Full & Default Power Mode_Main PA

GSM850 Ant0 Default

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.51	33.28	33.61	34.00	24.51	24.28	24.61	25.00
GPRS 1 Tx slot	33.61	33.38	33.69	34.00	24.61	24.38	24.69	25.00
GPRS 2 Tx slots	30.48	30.49	30.39	31.00	24.48	24.49	24.39	25.00
GPRS 3 Tx slots	28.60	28.67	28.81	29.20	24.34	24.41	24.55	24.94
GPRS 4 Tx slots	26.88	26.89	26.81	28.00	23.88	23.89	23.81	25.00
EDGE 1 Tx slot	26.75	27.23	27.04	28.00	17.75	18.23	18.04	19.00
EDGE 2 Tx slots	23.94	24.39	24.22	25.00	17.94	18.39	18.22	19.00
EDGE 3 Tx slots	22.15	22.45	22.34	23.20	17.89	18.19	18.08	18.94
EDGE 4 Tx slots	20.31	20.81	20.34	22.00	17.31	17.81	17.34	19.00

WCDMA V Ant0 Default

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.31	24.40	24.26	25.00
3GPP Rel 99	RMC 12.2Kbps	24.41	24.43	24.37	25.00
3GPP Rel 6	HSDPA Subtest-1	23.47	23.43	23.43	24.00
3GPP Rel 6	HSDPA Subtest-2	23.42	23.48	23.43	24.00
3GPP Rel 6	HSDPA Subtest-3	22.90	22.96	22.92	23.50
3GPP Rel 6	HSDPA Subtest-4	22.89	22.99	22.89	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.46	23.40	23.37	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.38	23.40	23.36	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.87	22.93	22.92	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.92	22.92	22.88	23.50
3GPP Rel 6	HSUPA Subtest-1	23.39	23.43	23.36	24.00
3GPP Rel 6	HSUPA Subtest-2	21.46	21.45	21.33	22.00
3GPP Rel 6	HSUPA Subtest-3	22.38	22.39	22.38	23.00
3GPP Rel 6	HSUPA Subtest-4	21.44	21.47	21.39	22.00
3GPP Rel 6	HSUPA Subtest-5	23.42	23.41	23.36	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.94	20.98	20.91	21.50

Band 5 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	25.17	25.25	25.18	25.7	0
10	QPSK	1	25	25.04	25.20	25.08		
10	QPSK	1	49	25.04	25.17	25.14		
10	QPSK	25	0	24.13	24.28	24.12	24.7	1
10	QPSK	25	12	24.06	24.24	24.13		
10	QPSK	25	25	24.03	24.14	24.10		
10	QPSK	50	0	24.22	24.27	24.21		
10	16QAM	1	0	24.12	24.26	24.23	24.7	1
10	16QAM	1	25	24.05	24.14	24.09		
10	16QAM	1	49	24.00	24.18	24.18		
10	16QAM	25	0	23.18	23.27	23.18	23.7	2
10	16QAM	25	12	23.08	23.30	23.12		
10	16QAM	25	25	22.99	23.10	23.14		
10	16QAM	50	0	23.28	23.21	23.24		
10	64QAM	1	0	23.08	23.27	23.27	23.7	2
10	64QAM	1	25	22.99	23.09	23.06		
10	64QAM	1	49	23.01	23.22	23.21		
10	64QAM	25	0	22.13	22.22	22.08	22.7	3
10	64QAM	25	12	22.00	22.25	22.11		
10	64QAM	25	25	22.06	22.11	22.14		
10	64QAM	50	0	22.16	22.23	22.18		
10	256QAM	1	0	20.16	20.33	20.15	20.7	5
10	256QAM	1	25	20.05	20.20	20.08		
10	256QAM	1	49	20.07	20.10	20.05		
10	256QAM	25	0	20.26	20.32	20.21	20.7	5
10	256QAM	25	12	20.09	20.24	20.18		
10	256QAM	25	25	20.01	20.13	20.05		
10	256QAM	50	0	20.03	20.17	20.18		
Channel				20425	20525	20625	Tune-up limit	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	25.08	25.14	25.10	25.7	0
5	QPSK	1	12	24.98	25.09	25.04		
5	QPSK	1	24	24.95	25.04	25.06		
5	QPSK	12	0	24.10	24.23	24.05	24.7	1
5	QPSK	12	7	23.95	24.17	24.09		
5	QPSK	12	13	23.98	24.03	24.00		
5	QPSK	25	0	24.18	24.17	24.09		
5	16QAM	1	0	24.01	24.14	24.15	24.7	1
5	16QAM	1	12	24.01	24.10	24.04		
5	16QAM	1	24	23.91	24.07	24.14		
5	16QAM	12	0	23.10	23.20	23.05	23.7	2
5	16QAM	12	7	23.05	23.17	23.02		
5	16QAM	12	13	22.95	23.04	23.03		
5	16QAM	25	0	23.21	23.09	23.22		
5	64QAM	1	0	23.02	23.23	23.16	23.7	2
5	64QAM	1	12	22.96	22.96	22.93		
5	64QAM	1	24	22.97	23.12	23.13		
5	64QAM	12	0	22.10	22.17	22.05	22.7	3
5	64QAM	12	7	21.95	22.13	22.04		
5	64QAM	12	13	22.00	22.06	22.11		
5	64QAM	25	0	22.03	22.10	22.13		
5	256QAM	1	0	20.06	20.25	20.04	20.7	5
5	256QAM	1	12	19.94	20.15	20.05		
5	256QAM	1	24	19.96	20.01	20.00		
5	256QAM	12	0	20.14	20.19	20.19	20.7	5
5	256QAM	12	7	20.05	20.13	20.14		
5	256QAM	12	13	19.98	20.03	19.95		
5	256QAM	25	0	19.99	20.08	20.14		
Channel				20415	20525	20635	Tune-up limit	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	25.08	25.20	25.15	25.7	0
3	QPSK	1	8	24.93	25.14	25.01		
3	QPSK	1	14	24.95	25.08	25.01		
3	QPSK	8	0	24.09	24.19	24.05	24.7	1
3	QPSK	8	4	24.04	24.14	24.02		
3	QPSK	8	7	24.00	24.01	23.97		
3	QPSK	15	0	24.18	24.14	24.15		
3	16QAM	1	0	24.02	24.20	24.14	24.7	1
3	16QAM	1	8	23.94	24.05	24.00		
3	16QAM	1	14	23.86	24.10	24.12		
3	16QAM	8	0	23.09	23.21	23.11	23.7	2
3	16QAM	8	4	22.96	23.19	23.03		
3	16QAM	8	7	22.89	23.04	23.08		
3	16QAM	15	0	23.14	23.16	23.12		
3	64QAM	1	0	22.96	23.13	23.22	23.7	2
3	64QAM	1	8	22.97	23.01	23.00		
3	64QAM	1	14	22.92	23.17	23.11		
3	64QAM	8	0	22.01	22.11	21.96	22.7	3
3	64QAM	8	4	21.88	22.19	22.02		
3	64QAM	8	7	22.00	22.05	22.12		
3	64QAM	15	0	22.07	22.20	22.13		
3	256QAM	1	0	20.08	20.29	20.08	20.7	5
3	256QAM	1	8	20.02	20.16	20.02		
3	256QAM	1	14	20.05	19.98	19.92		
3	256QAM	8	0	20.24	20.26	20.16	20.7	5
3	256QAM	8	4	20.06	20.18	20.14		
3	256QAM	8	7	19.95	20.06	19.96		
3	256QAM	15	0	19.96	20.12	20.04		
Channel				20407	20525	20643	Tune-up limit	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	25.05	25.12	25.04	25.7	0
1.4	QPSK	1	3	24.98	25.09	24.99		
1.4	QPSK	1	5	24.95	25.07	25.03		
1.4	QPSK	3	0	24.98	25.00	24.94		
1.4	QPSK	3	1	24.94	25.05	24.91		
1.4	QPSK	3	3	24.89	24.94	24.94		
1.4	QPSK	6	0	24.09	24.14	24.16	24.7	1
1.4	16QAM	1	0	24.01	24.22	24.12	24.7	1
1.4	16QAM	1	3	23.92	24.10	24.05		
1.4	16QAM	1	5	23.94	24.16	24.15		
1.4	16QAM	3	0	24.00	24.03	24.14		
1.4	16QAM	3	1	23.89	24.10	24.04		
1.4	16QAM	3	3	23.86	24.07	23.92		
1.4	16QAM	6	0	23.23	23.12	23.18	23.7	2
1.4	64QAM	1	0	22.97	23.18	23.15	23.7	2
1.4	64QAM	1	3	22.96	22.95	23.04		
1.4	64QAM	1	5	22.97	23.18	23.17		
1.4	64QAM	3	0	23.16	23.09	23.07		
1.4	64QAM	3	1	22.93	23.09	23.01		
1.4	64QAM	3	3	22.91	22.88	22.99		
1.4	64QAM	6	0	22.04	22.10	22.09	22.7	3
1.4	256QAM	1	0	20.08	20.29	20.07	20.7	5
1.4	256QAM	1	3	20.00	20.15	19.99		
1.4	256QAM	1	5	19.99	20.05	19.99		
1.4	256QAM	3	0	20.14	20.20	20.19		
1.4	256QAM	3	1	19.99	20.19	20.13		
1.4	256QAM	3	3	19.97	20.05	19.98		
1.4	256QAM	6	0	19.90	20.14	20.05	20.7	5

Band 12 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	25.10	25.16	25.14	25.7	0
10	QPSK	1	25	24.96	25.10	25.12		
10	QPSK	1	49	25.04	25.08	25.01		
10	QPSK	25	0	24.16	24.18	24.16	24.7	1
10	QPSK	25	12	24.00	24.15	24.13		
10	QPSK	25	25	24.01	24.08	24.02		
10	QPSK	50	0	24.15	24.16	24.09		
10	16QAM	1	0	24.09	24.14	24.12	24.7	1
10	16QAM	1	25	23.92	24.13	24.08		
10	16QAM	1	49	24.02	24.06	24.05		
10	16QAM	25	0	23.12	23.20	23.19	23.7	2
10	16QAM	25	12	22.95	23.09	23.11		
10	16QAM	25	25	22.99	23.02	23.02		
10	16QAM	50	0	23.11	23.16	23.14		
10	64QAM	1	0	23.12	23.20	23.10	23.7	2
10	64QAM	1	25	22.96	23.17	23.06		
10	64QAM	1	49	23.03	23.09	23.02		
10	64QAM	25	0	22.18	22.18	22.16	22.7	3
10	64QAM	25	12	21.96	22.15	22.17		
10	64QAM	25	25	21.99	22.10	22.01		
10	64QAM	50	0	22.19	22.19	22.04		
10	256QAM	1	0	20.13	20.14	20.14	20.7	5
10	256QAM	1	25	20.03	20.13	20.18		
10	256QAM	1	49	20.00	20.12	19.99		
10	256QAM	25	0	20.13	20.13	20.08	20.7	5
10	256QAM	25	12	20.13	20.20	20.13		
10	256QAM	25	25	19.86	20.08	20.03		
10	256QAM	50	0	20.06	20.05	20.10		
Channel				23035	23095	23155	Tune-up limit	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	25.07	25.07	25.07	25.7	0
5	QPSK	1	12	24.89	25.03	24.99		
5	QPSK	1	24	24.94	25.02	24.91		
5	QPSK	12	0	24.13	24.04	24.04	24.7	1
5	QPSK	12	7	23.96	24.02	24.04		
5	QPSK	12	13	23.97	23.99	23.92		
5	QPSK	25	0	24.02	24.04	23.95		
5	16QAM	1	0	24.03	24.09	24.07	24.7	1
5	16QAM	1	12	23.82	24.11	24.05		
5	16QAM	1	24	24.00	23.95	24.02		
5	16QAM	12	0	23.05	23.10	23.16	23.7	2
5	16QAM	12	7	22.90	23.06	23.06		
5	16QAM	12	13	22.86	22.89	22.92		
5	16QAM	25	0	23.06	23.09	23.03		
5	64QAM	1	0	23.09	23.18	23.08	23.7	2
5	64QAM	1	12	22.90	23.11	22.95		
5	64QAM	1	24	22.95	23.06	22.99		
5	64QAM	12	0	22.07	22.12	22.12	22.7	3
5	64QAM	12	7	21.93	22.11	22.09		
5	64QAM	12	13	21.93	22.02	21.87		
5	64QAM	25	0	22.09	22.16	22.01		
5	256QAM	1	0	20.01	20.07	20.06	20.7	5
5	256QAM	1	12	19.95	20.02	20.15		
5	256QAM	1	24	19.90	20.08	19.92		
5	256QAM	12	0	20.04	20.10	20.01	20.7	5
5	256QAM	12	7	20.02	20.16	20.07		
5	256QAM	12	13	19.76	19.95	19.92		
5	256QAM	25	0	19.97	19.91	19.99		
Channel				23025	23095	23165	Tune-up limit	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	25.06	25.07	25.12	25.7	0
3	QPSK	1	8	24.88	25.03	25.00		
3	QPSK	1	14	25.01	25.03	24.99		
3	QPSK	8	0	24.02	24.05	24.02	24.7	1
3	QPSK	8	4	23.94	24.05	24.04		
3	QPSK	8	7	23.96	24.05	23.96		
3	QPSK	15	0	24.11	24.13	24.06		
3	16QAM	1	0	24.01	24.00	24.08	24.7	1
3	16QAM	1	8	23.88	24.05	23.97		
3	16QAM	1	14	24.00	23.95	23.96		
3	16QAM	8	0	23.00	23.16	23.06	23.7	2
3	16QAM	8	4	22.83	22.99	23.04		
3	16QAM	8	7	22.89	22.99	22.98		
3	16QAM	15	0	22.97	23.11	23.04		
3	64QAM	1	0	23.05	23.17	22.99	23.7	2
3	64QAM	1	8	22.87	23.11	22.92		
3	64QAM	1	14	22.99	23.07	22.89		
3	64QAM	8	0	22.05	22.13	22.03	22.7	3
3	64QAM	8	4	21.85	22.05	22.12		
3	64QAM	8	7	21.86	21.99	21.96		
3	64QAM	15	0	22.08	22.07	21.94		
3	256QAM	1	0	20.01	20.09	20.04	20.7	5
3	256QAM	1	8	19.98	20.00	20.10		
3	256QAM	1	14	19.96	20.10	19.95		
3	256QAM	8	0	20.08	20.05	19.95	20.7	5
3	256QAM	8	4	20.00	20.12	20.08		
3	256QAM	8	7	19.76	19.96	19.95		
3	256QAM	15	0	20.03	19.92	20.07		
Channel				23017	23095	23173	Tune-up limit	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	25.00	25.08	25.06	25.7	0
1.4	QPSK	1	3	24.93	24.97	25.06		
1.4	QPSK	1	5	24.95	24.97	24.93		
1.4	QPSK	3	0	24.95	25.00	24.96		
1.4	QPSK	3	1	24.82	24.84	25.00		
1.4	QPSK	3	3	24.82	24.90	24.89		
1.4	QPSK	6	0	24.01	24.05	23.95	24.7	1
1.4	16QAM	1	0	24.01	24.05	24.03	24.7	1
1.4	16QAM	1	3	23.87	24.08	24.04		
1.4	16QAM	1	5	23.94	24.02	24.03		
1.4	16QAM	3	0	23.98	23.99	23.85		
1.4	16QAM	3	1	23.99	23.92	23.97		
1.4	16QAM	3	3	23.76	24.06	23.92		
1.4	16QAM	6	0	23.01	23.10	23.10	23.7	2
1.4	64QAM	1	0	23.03	23.13	23.03	23.7	2
1.4	64QAM	1	3	22.93	23.12	23.03		
1.4	64QAM	1	5	22.92	23.07	22.94		
1.4	64QAM	3	0	22.95	22.99	23.07		
1.4	64QAM	3	1	22.91	23.01	23.00		
1.4	64QAM	3	3	22.81	22.99	22.90		
1.4	64QAM	6	0	22.06	22.16	21.93	22.7	3
1.4	256QAM	1	0	20.03	20.05	20.08	20.7	5
1.4	256QAM	1	3	19.91	20.01	20.10		
1.4	256QAM	1	5	19.86	20.02	19.96		
1.4	256QAM	3	0	20.10	20.05	19.99		
1.4	256QAM	3	1	20.08	20.10	20.00		
1.4	256QAM	3	3	19.77	19.98	19.94		
1.4	256QAM	6	0	19.99	19.93	20.01	20.7	5

Band 13 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					23230			
Frequency (MHz)					782			
10	QPSK	1	0		25.14		25.7	0
10	QPSK	1	25		25.07			
10	QPSK	1	49		25.04			
10	QPSK	25	0		24.16		24.7	1
10	QPSK	25	12		24.14			
10	QPSK	25	25		24.01			
10	QPSK	50	0		24.15			
10	16QAM	1	0		24.06		24.7	1
10	16QAM	1	25		24.13			
10	16QAM	1	49		24.07			
10	16QAM	25	0		23.17		23.7	2
10	16QAM	25	12		23.04			
10	16QAM	25	25		23.02			
10	16QAM	50	0		23.18			
10	64QAM	1	0		23.20		23.7	2
10	64QAM	1	25		23.13			
10	64QAM	1	49		23.02			
10	64QAM	25	0		22.20		22.7	3
10	64QAM	25	12		22.10			
10	64QAM	25	25		22.04			
10	64QAM	50	0		22.16			
10	256QAM	1	0		20.15		20.7	5
10	256QAM	1	25		20.08			
10	256QAM	1	49		20.16			
10	256QAM	25	0		20.16		20.7	5
10	256QAM	25	12		20.24			
10	256QAM	25	25		20.04			
10	256QAM	50	0		20.02			
Channel				23205	23230	23255	Tune-up limit	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	25.09	25.10	25.06	25.7	0
5	QPSK	1	12	24.97	24.98	24.99		
5	QPSK	1	24	24.96	25.02	24.94		
5	QPSK	12	0	24.13	24.12	24.14	24.7	1
5	QPSK	12	7	24.10	24.04	24.14		
5	QPSK	12	13	23.93	23.93	23.92		
5	QPSK	25	0	24.09	24.05	24.13		
5	16QAM	1	0	23.94	23.95	24.03	24.7	1
5	16QAM	1	12	24.04	24.12	24.07		
5	16QAM	1	24	24.03	23.95	24.00		
5	16QAM	12	0	23.14	23.16	23.17	23.7	2
5	16QAM	12	7	22.95	23.00	23.04		
5	16QAM	12	13	23.00	22.95	23.01		
5	16QAM	25	0	23.17	23.07	23.06		
5	64QAM	1	0	23.18	23.10	23.10	23.7	2
5	64QAM	1	12	23.04	23.11	23.12		
5	64QAM	1	24	22.97	22.91	22.93		
5	64QAM	12	0	22.18	22.14	22.10	22.7	3
5	64QAM	12	7	22.03	22.01	22.03		
5	64QAM	12	13	22.00	22.01	21.93		
5	64QAM	25	0	22.10	22.11	22.12		
5	256QAM	1	0	20.09	20.13	20.10	20.7	5
5	256QAM	1	12	20.06	20.00	20.04		
5	256QAM	1	24	20.08	20.05	20.10		
5	256QAM	12	0	20.11	20.16	20.11	20.7	5
5	256QAM	12	7	20.17	20.16	20.20		
5	256QAM	12	13	19.99	20.02	19.97		
5	256QAM	25	0	19.96	20.00	19.91		

Band 17 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	25.19	25.27	25.22	25.7	0
10	QPSK	1	25	25.07	25.15	25.20		
10	QPSK	1	49	25.14	25.13	25.12		
10	QPSK	25	0	24.24	24.28	24.22	24.7	1
10	QPSK	25	12	24.07	24.22	24.19		
10	QPSK	25	25	24.04	24.13	24.14		
10	QPSK	50	0	24.18	24.25	24.16		
10	16QAM	1	0	24.22	24.16	24.25	24.7	1
10	16QAM	1	25	24.00	24.18	24.14		
10	16QAM	1	49	24.06	24.09	24.13		
10	16QAM	25	0	23.15	23.28	23.28	23.7	2
10	16QAM	25	12	23.02	23.19	23.19		
10	16QAM	25	25	23.08	23.07	23.13		
10	16QAM	50	0	23.23	23.28	23.18		
10	64QAM	1	0	23.24	23.25	23.21	23.7	2
10	64QAM	1	25	23.08	23.19	23.13		
10	64QAM	1	49	23.16	23.19	23.08		
10	64QAM	25	0	22.23	22.21	22.21	22.7	3
10	64QAM	25	12	22.00	22.19	22.30		
10	64QAM	25	25	22.03	22.17	22.13		
10	64QAM	50	0	22.32	22.30	22.07		
10	256QAM	1	0	20.24	20.18	20.20	20.7	5
10	256QAM	1	25	20.12	20.17	20.28		
10	256QAM	1	49	20.09	20.20	20.07		
10	256QAM	25	0	20.16	20.26	20.18	20.7	5
10	256QAM	25	12	20.20	20.31	20.27		
10	256QAM	25	25	19.92	20.19	20.14		
10	256QAM	50	0	20.19	20.13	20.17		
Channel				23755	23790	23825	Tune-up limit	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	25.07	25.14	25.13	25.7	0
5	QPSK	1	12	25.05	25.07	25.07		
5	QPSK	1	24	25.11	25.08	25.03		
5	QPSK	12	0	24.14	24.17	24.08	24.7	1
5	QPSK	12	7	23.93	24.20	24.11		
5	QPSK	12	13	23.97	24.03	24.05		
5	QPSK	25	0	24.07	24.18	24.14		
5	16QAM	1	0	24.14	24.12	24.19	24.7	1
5	16QAM	1	12	23.95	24.14	24.00		
5	16QAM	1	24	23.94	24.00	24.06		
5	16QAM	12	0	23.03	23.23	23.25	23.7	2
5	16QAM	12	7	22.89	23.15	23.11		
5	16QAM	12	13	23.01	23.05	23.02		
5	16QAM	25	0	23.13	23.25	23.15		
5	64QAM	1	0	23.19	23.17	23.15	23.7	2
5	64QAM	1	12	22.98	23.14	23.07		
5	64QAM	1	24	23.08	23.07	22.94		
5	64QAM	12	0	22.13	22.11	22.16	22.7	3
5	64QAM	12	7	21.94	22.12	22.26		
5	64QAM	12	13	21.97	22.14	22.03		
5	64QAM	25	0	22.26	22.28	21.95		
5	256QAM	1	0	20.13	20.10	20.16	20.7	5
5	256QAM	1	12	20.08	20.10	20.20		
5	256QAM	1	24	20.00	20.10	19.96		
5	256QAM	12	0	20.10	20.21	20.07	20.7	5
5	256QAM	12	7	20.12	20.26	20.17		
5	256QAM	12	13	19.83	20.16	20.02		
5	256QAM	25	0	20.15	20.06	20.03		

Band 26 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	24.95	25.04	25.01	25.7	0
15	QPSK	1	37	24.82	24.94	24.97		
15	QPSK	1	74	24.89	24.90	24.89		
15	QPSK	36	0	24.07	24.12	23.96	24.7	1
15	QPSK	36	20	23.84	24.04	23.99		
15	QPSK	36	39	23.84	23.95	23.99		
15	QPSK	75	0	23.98	24.05	23.94		
15	16QAM	1	0	24.08	24.00	24.11	24.7	1
15	16QAM	1	37	23.74	24.03	23.95		
15	16QAM	1	74	23.87	23.85	23.91		
15	16QAM	36	0	22.93	23.10	23.12	23.7	2
15	16QAM	36	20	22.87	22.98	22.99		
15	16QAM	36	39	22.86	22.92	22.98		
15	16QAM	75	0	23.04	23.04	22.93		
15	64QAM	1	0	23.02	23.00	23.00	23.7	2
15	64QAM	1	37	22.87	23.00	22.91		
15	64QAM	1	74	22.92	22.96	22.91		
15	64QAM	36	0	22.05	21.99	22.03	22.7	3
15	64QAM	36	20	21.78	22.04	22.14		
15	64QAM	36	39	21.85	21.97	21.92		
15	64QAM	75	0	22.13	22.12	21.84		
15	256QAM	1	0	20.05	19.97	20.05	20.7	5
15	256QAM	1	37	19.91	19.97	20.05		
15	256QAM	1	74	19.92	19.96	19.89		
15	256QAM	36	0	19.92	20.12	20.00	20.7	5
15	256QAM	36	20	19.97	20.08	20.01		
15	256QAM	36	39	19.66	20.00	19.92		
15	256QAM	75	0	19.94	19.88	19.94		
Channel				26740	26865	26990	Tune-up limit	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	24.83	24.92	24.97	25.7	0
10	QPSK	1	25	24.72	24.90	24.86		
10	QPSK	1	49	24.80	24.85	24.82		
10	QPSK	25	0	24.05	24.10	23.87	24.7	1
10	QPSK	25	12	23.81	23.96	23.95		
10	QPSK	25	25	23.76	23.89	23.96		
10	QPSK	50	0	23.93	24.00	23.94		
10	16QAM	1	0	24.01	23.92	24.10	24.7	1
10	16QAM	1	25	23.64	23.94	23.87		
10	16QAM	1	49	23.84	23.83	23.91		
10	16QAM	25	0	22.89	22.99	23.09	23.7	2
10	16QAM	25	12	22.81	22.87	22.97		
10	16QAM	25	25	22.77	22.89	22.86		
10	16QAM	50	0	22.98	23.01	22.88		
10	64QAM	1	0	22.96	22.89	23.00	23.7	2
10	64QAM	1	25	22.78	22.93	22.80		
10	64QAM	1	49	22.86	22.87	22.90		
10	64QAM	25	0	21.94	21.88	21.95	22.7	3
10	64QAM	25	12	21.70	21.99	22.04		
10	64QAM	25	25	21.76	21.96	21.81		
10	64QAM	50	0	22.12	22.11	21.73		
10	256QAM	1	0	19.95	19.90	20.00	20.7	5
10	256QAM	1	25	19.89	19.97	20.02		
10	256QAM	1	49	19.85	19.88	19.79		
10	256QAM	25	0	19.80	20.00	19.97	20.7	5
10	256QAM	25	12	19.92	20.04	19.98		
10	256QAM	25	25	19.60	19.92	19.85		
10	256QAM	50	0	19.83	19.85	19.82		
Channel				26715	26865	27015	Tune-up limit	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	24.91	24.93	24.97	25.7	0
5	QPSK	1	12	24.80	24.89	24.87		
5	QPSK	1	24	24.77	24.81	24.78		
5	QPSK	12	0	24.03	24.12	23.93	24.7	1
5	QPSK	12	7	23.84	24.02	23.87		
5	QPSK	12	13	23.83	23.95	23.88		
5	QPSK	25	0	23.91	24.04	23.94		
5	16QAM	1	0	24.01	23.95	24.02	24.7	1
5	16QAM	1	12	23.73	23.92	23.87		
5	16QAM	1	24	23.82	23.79	23.86		
5	16QAM	12	0	22.91	23.00	23.07	23.7	2
5	16QAM	12	7	22.83	22.92	22.97		
5	16QAM	12	13	22.85	22.87	22.88		
5	16QAM	25	0	23.00	22.96	22.90		
5	64QAM	1	0	22.98	22.88	22.98	23.7	2
5	64QAM	1	12	22.85	22.93	22.88		
5	64QAM	1	24	22.84	22.95	22.87		
5	64QAM	12	0	22.03	21.87	21.92	22.7	3
5	64QAM	12	7	21.72	21.92	22.02		
5	64QAM	12	13	21.73	21.92	21.80		
5	64QAM	25	0	22.05	22.01	21.74		
5	256QAM	1	0	19.94	19.92	20.05	20.7	5
5	256QAM	1	12	19.88	19.92	20.04		
5	256QAM	1	24	19.80	19.87	19.86		
5	256QAM	12	0	19.85	20.07	19.98	20.7	5
5	256QAM	12	7	19.88	19.97	19.91		
5	256QAM	12	13	19.62	19.91	19.92		
5	256QAM	25	0	19.90	19.85	19.89		
Channel				26705	26865	27025	Tune-up limit	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	24.84	24.99	24.89	25.7	0
3	QPSK	1	8	24.75	24.90	24.95		
3	QPSK	1	14	24.85	24.86	24.79		
3	QPSK	8	0	24.03	24.11	23.87	24.7	1
3	QPSK	8	4	23.76	23.98	23.97		
3	QPSK	8	7	23.72	23.94	23.91		
3	QPSK	15	0	23.93	23.99	23.91		
3	16QAM	1	0	23.98	23.90	24.06	24.7	1
3	16QAM	1	8	23.68	23.97	23.89		
3	16QAM	1	14	23.83	23.81	23.88		
3	16QAM	8	0	22.83	23.10	23.04	23.7	2
3	16QAM	8	4	22.84	22.95	22.98		
3	16QAM	8	7	22.80	22.81	22.97		
3	16QAM	15	0	23.03	22.93	22.82		
3	64QAM	1	0	22.96	22.90	22.91	23.7	2
3	64QAM	1	8	22.84	22.90	22.86		
3	64QAM	1	14	22.81	22.96	22.80		
3	64QAM	8	0	22.00	21.92	21.95	22.7	3
3	64QAM	8	4	21.66	21.99	22.05		
3	64QAM	8	7	21.74	21.86	21.83		
3	64QAM	15	0	22.08	22.02	21.72		
3	256QAM	1	0	19.97	19.91	20.02	20.7	5
3	256QAM	1	8	19.85	19.88	19.98		
3	256QAM	1	14	19.89	19.85	19.77		
3	256QAM	8	0	19.83	20.03	19.95	20.7	5
3	256QAM	8	4	19.96	19.99	19.96		
3	256QAM	8	7	19.62	19.88	19.87		
3	256QAM	15	0	19.84	19.86	19.84		
Channel				26697	26865	27033	Tune-up limit	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	24.87	25.02	25.00	25.7	0
1.4	QPSK	1	3	24.72	24.88	24.89		
1.4	QPSK	1	5	24.84	24.84	24.81		
1.4	QPSK	3	0	24.83	24.99	24.94		
1.4	QPSK	3	1	24.64	24.87	24.79		
1.4	QPSK	3	3	24.77	24.73	24.73		
1.4	QPSK	6	0	23.94	24.04	23.88	24.7	1
1.4	16QAM	1	0	24.04	23.95	23.99	24.7	1
1.4	16QAM	1	3	23.66	24.00	23.89		
1.4	16QAM	1	5	23.85	23.76	23.82		
1.4	16QAM	3	0	23.90	23.97	23.78		
1.4	16QAM	3	1	23.93	23.88	23.96		
1.4	16QAM	3	3	23.63	23.92	23.80		
1.4	16QAM	6	0	22.99	22.99	22.90	23.7	2
1.4	64QAM	1	0	22.97	22.96	22.93	23.7	2
1.4	64QAM	1	3	22.83	22.97	22.81		
1.4	64QAM	1	5	22.90	22.89	22.89		
1.4	64QAM	3	0	22.88	22.93	22.87		
1.4	64QAM	3	1	22.96	22.85	22.91		
1.4	64QAM	3	3	22.76	22.96	22.76		
1.4	64QAM	6	0	22.09	22.01	21.80	22.7	3
1.4	256QAM	1	0	20.02	19.89	20.01	20.7	5
1.4	256QAM	1	3	19.86	19.94	20.03		
1.4	256QAM	1	5	19.90	19.85	19.79		
1.4	256QAM	3	0	19.89	20.08	19.92		
1.4	256QAM	3	1	19.86	20.05	19.94		
1.4	256QAM	3	3	19.58	19.89	19.84		
1.4	256QAM	6	0	19.88	19.80	19.94	20.7	5

Band 71 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				133222	133322	133372		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	25.13	25.14	25.08	25.7	0
20	QPSK	1	49	25.06	25.11	25.00		
20	QPSK	1	99	25.12	25.07	24.98		
20	QPSK	50	0	24.17	24.19	24.11	24.7	1
20	QPSK	50	24	24.01	24.16	24.02		
20	QPSK	50	50	24.12	24.11	24.02		
20	QPSK	100	0	24.12	24.16	24.10		
20	16QAM	1	0	24.07	24.13	24.14	24.7	1
20	16QAM	1	49	24.07	24.14	23.99		
20	16QAM	1	99	24.08	24.12	23.97		
20	16QAM	50	0	23.19	23.13	23.06	23.7	2
20	16QAM	50	24	23.06	23.13	23.00		
20	16QAM	50	50	23.16	23.15	22.98		
20	16QAM	100	0	23.11	23.17	23.15		
20	64QAM	1	0	23.09	23.12	23.18	23.7	2
20	64QAM	1	49	23.12	23.14	23.02		
20	64QAM	1	99	23.06	23.13	22.99		
20	64QAM	50	0	22.20	22.18	22.08	22.7	3
20	64QAM	50	24	22.00	22.10	22.01		
20	64QAM	50	50	22.08	22.16	22.06		
20	64QAM	100	0	22.17	22.13	22.07		
20	256QAM	1	0	20.13	20.24	20.13	20.7	5
20	256QAM	1	49	20.07	20.17	20.07		
20	256QAM	1	99	20.13	20.12	20.01		
20	256QAM	50	0	20.12	20.12	20.13	20.7	5
20	256QAM	50	24	20.06	20.10	20.17		
20	256QAM	50	50	20.10	20.15	19.96		
20	256QAM	100	0	20.04	20.08	19.99		
Channel				133197	133297	133397	Tune-up limit	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	25.01	25.04	24.97	25.7	0
15	QPSK	1	37	24.96	25.01	24.91		
15	QPSK	1	74	25.03	25.04	24.94		
15	QPSK	36	0	24.07	24.13	24.03	24.7	1
15	QPSK	36	20	23.93	24.11	23.97		
15	QPSK	36	39	24.05	23.98	23.95		
15	QPSK	75	0	24.00	24.09	24.07		
15	16QAM	1	0	24.00	24.02	24.00	24.7	1
15	16QAM	1	37	23.95	24.08	23.88		
15	16QAM	1	74	23.97	24.07	23.84		
15	16QAM	36	0	23.12	23.07	23.04	23.7	2
15	16QAM	36	20	23.01	23.03	22.87		
15	16QAM	36	39	23.12	23.05	22.94		
15	16QAM	75	0	23.04	23.10	23.05		
15	64QAM	1	0	23.03	23.08	23.14	23.7	2
15	64QAM	1	37	22.99	23.10	22.93		
15	64QAM	1	74	22.95	23.00	22.89		
15	64QAM	36	0	22.16	22.06	22.05	22.7	3
15	64QAM	36	20	21.88	21.96	21.95		
15	64QAM	36	39	22.05	22.13	21.92		
15	64QAM	75	0	22.11	22.08	21.99		
15	256QAM	1	0	20.09	20.14	20.11	20.7	5
15	256QAM	1	37	19.96	20.14	20.00		
15	256QAM	1	74	19.99	20.05	19.90		
15	256QAM	36	0	20.01	20.02	20.05	20.7	5
15	256QAM	36	20	20.01	19.97	20.09		
15	256QAM	36	39	20.06	20.10	19.83		
15	256QAM	75	0	19.94	20.04	19.93		
Channel				133172	133272	133422	Tune-up limit	MPR (dB)
Frequency (MHz)				668	678	693		
10	QPSK	1	0	25.04	25.04	24.95	25.7	0
10	QPSK	1	25	25.00	25.01	24.94		
10	QPSK	1	49	25.09	24.99	24.84		
10	QPSK	25	0	24.12	24.15	24.07	24.7	1
10	QPSK	25	12	23.98	24.04	23.98		
10	QPSK	25	25	24.00	23.99	23.94		
10	QPSK	50	0	24.03	24.05	24.04		
10	16QAM	1	0	24.01	24.02	24.01	24.7	1
10	16QAM	1	25	23.95	24.02	23.88		
10	16QAM	1	49	23.96	24.06	23.83		
10	16QAM	25	0	23.15	22.99	22.96	23.7	2
10	16QAM	25	12	22.93	23.03	22.89		
10	16QAM	25	25	23.03	23.03	22.87		
10	16QAM	50	0	23.00	23.10	23.12		
10	64QAM	1	0	22.99	22.99	23.08	23.7	2
10	64QAM	1	25	23.00	23.10	22.95		
10	64QAM	1	49	22.99	22.99	22.88		
10	64QAM	25	0	22.14	22.08	21.99	22.7	3
10	64QAM	25	12	21.95	21.98	21.90		
10	64QAM	25	25	21.99	22.03	22.02		
10	64QAM	50	0	22.06	22.04	21.96		
10	256QAM	1	0	20.06	20.15	20.01	20.7	5
10	256QAM	1	25	20.02	20.12	20.03		
10	256QAM	1	49	20.03	20.00	19.91		
10	256QAM	25	0	20.05	20.07	20.05	20.7	5
10	256QAM	25	12	20.00	20.06	20.06		
10	256QAM	25	25	20.00	20.04	19.91		
10	256QAM	50	0	19.95	20.01	19.91		
Channel				133147	133247	133447	Tune-up limit	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	25.08	25.03	25.01	25.7	0
5	QPSK	1	12	24.96	25.04	24.96		
5	QPSK	1	24	25.00	24.96	24.85		
5	QPSK	12	0	24.14	24.13	23.97	24.7	1
5	QPSK	12	7	23.92	24.06	23.88		
5	QPSK	12	13	24.04	24.09	23.99		
5	QPSK	25	0	24.08	24.05	24.03		
5	16QAM	1	0	24.00	24.01	24.11	24.7	1
5	16QAM	1	12	23.97	24.05	23.88		
5	16QAM	1	24	23.99	24.00	23.92		
5	16QAM	12	0	23.11	23.06	23.01	23.7	2
5	16QAM	12	7	23.02	23.09	22.98		
5	16QAM	12	13	23.12	23.05	22.94		
5	16QAM	25	0	23.04	23.14	23.05		
5	64QAM	1	0	23.03	23.10	23.15	23.7	2
5	64QAM	1	12	23.03	23.07	22.91		
5	64QAM	1	24	23.01	23.11	22.91		
5	64QAM	12	0	22.07	22.14	22.02	22.7	3
5	64QAM	12	7	21.96	22.02	21.93		
5	64QAM	12	13	21.96	22.09	21.95		
5	64QAM	25	0	22.12	22.04	22.01		
5	256QAM	1	0	19.99	20.15	20.06	20.7	5
5	256QAM	1	12	19.94	20.08	20.04		
5	256QAM	1	24	20.09	20.03	19.96		
5	256QAM	12	0	20.07	20.04	20.05	20.7	5
5	256QAM	12	7	19.93	20.07	20.14		
5	256QAM	12	13	19.99	20.03	19.92		
5	256QAM	25	0	19.98	20.06	19.94		

GSM850 Ant1 Default

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.05	33.20	33.12	34.60	24.05	24.20	24.12	25.60
GPRS 1 Tx slot	33.12	33.25	33.18	34.60	24.12	24.25	24.18	25.60
GPRS 2 Tx slots	30.28	30.37	30.31	31.60	24.28	24.37	24.31	25.60
GPRS 3 Tx slots	28.23	28.47	28.52	29.80	23.97	24.21	24.26	25.54
GPRS 4 Tx slots	26.77	27.09	26.79	28.60	23.77	24.09	23.79	25.60
EDGE 1 Tx slot	27.12	27.23	27.16	28.90	18.12	18.23	18.16	19.90
EDGE 2 Tx slots	23.79	24.01	23.70	25.50	17.79	18.01	17.70	19.50
EDGE 3 Tx slots	21.91	22.11	21.88	23.50	17.65	17.85	17.62	19.24
EDGE 4 Tx slots	19.91	20.12	20.19	21.50	16.91	17.12	17.19	18.50

WCDMA V Ant1 Default

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.62	24.67	24.54	25.50
3GPP Rel 99	RMC 12.2Kbps	24.69	24.71	24.65	25.50
3GPP Rel 6	HSDPA Subtest-1	23.73	23.74	23.63	24.50
3GPP Rel 6	HSDPA Subtest-2	23.70	23.67	23.64	24.50
3GPP Rel 6	HSDPA Subtest-3	23.21	23.24	23.15	24.00
3GPP Rel 6	HSDPA Subtest-4	23.21	23.27	23.18	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	23.65	23.71	23.61	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	23.69	23.68	23.63	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	23.18	23.15	23.18	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	23.19	23.22	23.18	24.00
3GPP Rel 6	HSUPA Subtest-1	23.74	23.71	23.59	24.50
3GPP Rel 6	HSUPA Subtest-2	21.68	21.65	21.63	22.50
3GPP Rel 6	HSUPA Subtest-3	22.66	22.71	22.71	23.50
3GPP Rel 6	HSUPA Subtest-4	21.65	21.66	21.64	22.50
3GPP Rel 6	HSUPA Subtest-5	23.73	23.77	23.71	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.19	21.17	21.19	22.00

Band 5 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	25.49	25.54	25.44	25.7	0
10	QPSK	1	25	25.41	25.49	25.36		
10	QPSK	1	49	25.39	25.46	25.33		
10	QPSK	25	0	24.49	24.60	24.46	24.7	1
10	QPSK	25	12	24.38	24.54	24.37		
10	QPSK	25	25	24.39	24.49	24.36		
10	QPSK	50	0	24.52	24.58	24.46		
10	16QAM	1	0	24.46	24.55	24.49	24.7	1
10	16QAM	1	25	24.36	24.47	24.33		
10	16QAM	1	49	24.33	24.46	24.28		
10	16QAM	25	0	23.44	23.63	23.52	23.7	2
10	16QAM	25	12	23.43	23.56	23.35		
10	16QAM	25	25	23.44	23.43	23.38		
10	16QAM	50	0	23.50	23.63	23.49		
10	64QAM	1	0	23.49	23.56	23.50	23.7	2
10	64QAM	1	25	23.30	23.41	23.29		
10	64QAM	1	49	23.34	23.51	23.26		
10	64QAM	25	0	22.51	22.59	22.43	22.7	3
10	64QAM	25	12	22.32	22.48	22.32		
10	64QAM	25	25	22.43	22.44	22.36		
10	64QAM	50	0	22.51	22.63	22.41		
10	256QAM	1	0	20.50	20.62	20.43	20.7	5
10	256QAM	1	25	20.38	20.51	20.40		
10	256QAM	1	49	20.37	20.44	20.39		
10	256QAM	25	0	20.56	20.61	20.42	20.7	5
10	256QAM	25	12	20.49	20.52	20.53		
10	256QAM	25	25	20.30	20.44	20.28		
10	256QAM	50	0	20.30	20.41	20.30		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	25.46	25.52	25.40	25.7	0
5	QPSK	1	12	25.33	25.46	25.27		
5	QPSK	1	24	25.32	25.40	25.30		
5	QPSK	12	0	24.40	24.55	24.40	24.7	1
5	QPSK	12	7	24.32	24.47	24.30		
5	QPSK	12	13	24.35	24.47	24.23		
5	QPSK	25	0	24.41	24.56	24.35		
5	16QAM	1	0	24.36	24.46	24.43	24.7	1
5	16QAM	1	12	24.29	24.34	24.26		
5	16QAM	1	24	24.29	24.42	24.23		
5	16QAM	12	0	23.40	23.51	23.47	23.7	2
5	16QAM	12	7	23.30	23.45	23.33		
5	16QAM	12	13	23.38	23.41	23.33		
5	16QAM	25	0	23.44	23.59	23.39		
5	64QAM	1	0	23.44	23.51	23.42	23.7	2
5	64QAM	1	12	23.24	23.36	23.18		
5	64QAM	1	24	23.22	23.46	23.18		
5	64QAM	12	0	22.48	22.53	22.33	22.7	3
5	64QAM	12	7	22.25	22.38	22.24		
5	64QAM	12	13	22.40	22.39	22.29		
5	64QAM	25	0	22.38	22.50	22.33		
5	256QAM	1	0	20.36	20.53	20.39	20.7	5
5	256QAM	1	12	20.30	20.42	20.34		
5	256QAM	1	24	20.30	20.31	20.33		
5	256QAM	12	0	20.44	20.58	20.28	20.7	5
5	256QAM	12	7	20.40	20.38	20.48		
5	256QAM	12	13	20.18	20.34	20.23		
5	256QAM	25	0	20.23	20.31	20.20		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	25.47	25.46	25.40	25.7	0
3	QPSK	1	8	25.37	25.36	25.27		
3	QPSK	1	14	25.31	25.35	25.28		
3	QPSK	8	0	24.45	24.54	24.44	24.7	1
3	QPSK	8	4	24.25	24.41	24.33		
3	QPSK	8	7	24.32	24.42	24.29		
3	QPSK	15	0	24.45	24.49	24.37		
3	16QAM	1	0	24.44	24.41	24.40	24.7	1
3	16QAM	1	8	24.25	24.39	24.29		
3	16QAM	1	14	24.30	24.42	24.25		
3	16QAM	8	0	23.34	23.59	23.46	23.7	2
3	16QAM	8	4	23.30	23.42	23.31		
3	16QAM	8	7	23.41	23.39	23.33		
3	16QAM	15	0	23.41	23.51	23.45		
3	64QAM	1	0	23.40	23.53	23.48	23.7	2
3	64QAM	1	8	23.18	23.37	23.26		
3	64QAM	1	14	23.27	23.48	23.21		
3	64QAM	8	0	22.42	22.51	22.34	22.7	3
3	64QAM	8	4	22.19	22.44	22.23		
3	64QAM	8	7	22.36	22.38	22.25		
3	64QAM	15	0	22.40	22.58	22.36		
3	256QAM	1	0	20.43	20.56	20.38	20.7	5
3	256QAM	1	8	20.31	20.44	20.32		
3	256QAM	1	14	20.35	20.42	20.31		
3	256QAM	8	0	20.53	20.52	20.34	20.7	5
3	256QAM	8	4	20.41	20.42	20.44		
3	256QAM	8	7	20.20	20.30	20.16		
3	256QAM	15	0	20.27	20.29	20.21		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	25.39	25.44	25.40	25.7	0
1.4	QPSK	1	3	25.32	25.43	25.26		
1.4	QPSK	1	5	25.31	25.33	25.27		
1.4	QPSK	3	0	25.30	25.35	25.31		
1.4	QPSK	3	1	25.28	25.33	25.22		
1.4	QPSK	3	3	25.27	25.26	25.16		
1.4	QPSK	6	0	24.47	24.49	24.33	24.7	1
1.4	16QAM	1	0	24.38	24.45	24.40	24.7	1
1.4	16QAM	1	3	24.26	24.39	24.27		
1.4	16QAM	1	5	24.23	24.41	24.17		
1.4	16QAM	3	0	24.42	24.35	24.24		
1.4	16QAM	3	1	24.25	24.42	24.28		
1.4	16QAM	3	3	24.23	24.32	24.18		
1.4	16QAM	6	0	23.43	23.55	23.35	23.7	2
1.4	64QAM	1	0	23.42	23.53	23.38	23.7	2
1.4	64QAM	1	3	23.20	23.32	23.23		
1.4	64QAM	1	5	23.32	23.42	23.19		
1.4	64QAM	3	0	23.39	23.44	23.33		
1.4	64QAM	3	1	23.32	23.48	23.25		
1.4	64QAM	3	3	23.18	23.26	23.12		
1.4	64QAM	6	0	22.49	22.49	22.30	22.7	3
1.4	256QAM	1	0	20.43	20.52	20.39	20.7	5
1.4	256QAM	1	3	20.29	20.38	20.28		
1.4	256QAM	1	5	20.26	20.42	20.34		
1.4	256QAM	3	0	20.49	20.52	20.31		
1.4	256QAM	3	1	20.38	20.41	20.51		
1.4	256QAM	3	3	20.28	20.33	20.24		
1.4	256QAM	6	0	20.19	20.34	20.17	20.7	5

Band 12 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	25.35	25.41	25.28	25.7	0
10	QPSK	1	25	25.22	25.37	25.15		
10	QPSK	1	49	25.25	25.35	25.19		
10	QPSK	25	0	24.32	24.45	24.29	24.7	1
10	QPSK	25	12	24.23	24.39	24.20		
10	QPSK	25	25	24.25	24.38	24.19		
10	QPSK	50	0	24.32	24.42	24.32		
10	16QAM	1	0	24.32	24.40	24.25	24.7	1
10	16QAM	1	25	24.17	24.42	24.12		
10	16QAM	1	49	24.24	24.34	24.22		
10	16QAM	25	0	23.27	23.42	23.32	23.7	2
10	16QAM	25	12	23.26	23.39	23.14		
10	16QAM	25	25	23.21	23.35	23.25		
10	16QAM	50	0	23.32	23.41	23.30		
10	64QAM	1	0	23.36	23.45	23.19	23.7	2
10	64QAM	1	25	23.18	23.38	23.06		
10	64QAM	1	49	23.22	23.37	23.18		
10	64QAM	25	0	22.35	22.45	22.32	22.7	3
10	64QAM	25	12	22.18	22.40	22.26		
10	64QAM	25	25	22.30	22.40	22.24		
10	64QAM	50	0	22.33	22.38	22.27		
10	256QAM	1	0	20.35	20.46	20.25	20.7	5
10	256QAM	1	25	20.28	20.45	20.17		
10	256QAM	1	49	20.29	20.40	20.17		
10	256QAM	25	0	20.33	20.43	20.35	20.7	5
10	256QAM	25	12	20.26	20.45	20.27		
10	256QAM	25	25	20.21	20.40	20.08		
10	256QAM	50	0	20.21	20.36	20.23		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	25.29	25.32	25.18	25.7	0
5	QPSK	1	12	25.13	25.31	25.06		
5	QPSK	1	24	25.11	25.28	25.14		
5	QPSK	12	0	24.28	24.42	24.16	24.7	1
5	QPSK	12	7	24.14	24.29	24.10		
5	QPSK	12	13	24.13	24.34	24.15		
5	QPSK	25	0	24.21	24.35	24.21		
5	16QAM	1	0	24.19	24.35	24.19	24.7	1
5	16QAM	1	12	24.05	24.35	24.06		
5	16QAM	1	24	24.15	24.31	24.14		
5	16QAM	12	0	23.15	23.34	23.24	23.7	2
5	16QAM	12	7	23.22	23.35	23.03		
5	16QAM	12	13	23.13	23.23	23.20		
5	16QAM	25	0	23.26	23.34	23.25		
5	64QAM	1	0	23.32	23.34	23.15	23.7	2
5	64QAM	1	12	23.13	23.34	23.03		
5	64QAM	1	24	23.15	23.33	23.07		
5	64QAM	12	0	22.25	22.36	22.23	22.7	3
5	64QAM	12	7	22.12	22.29	22.24		
5	64QAM	12	13	22.22	22.32	22.14		
5	64QAM	25	0	22.28	22.24	22.15		
5	256QAM	1	0	20.25	20.41	20.20	20.7	5
5	256QAM	1	12	20.17	20.41	20.05		
5	256QAM	1	24	20.26	20.29	20.08		
5	256QAM	12	0	20.19	20.37	20.32	20.7	5
5	256QAM	12	7	20.24	20.38	20.19		
5	256QAM	12	13	20.09	20.30	20.06		
5	256QAM	25	0	20.17	20.33	20.15		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	25.27	25.36	25.22	25.7	0
3	QPSK	1	8	25.10	25.24	25.01		
3	QPSK	1	14	25.18	25.21	25.17		
3	QPSK	8	0	24.25	24.33	24.21	24.7	1
3	QPSK	8	4	24.09	24.29	24.10		
3	QPSK	8	7	24.16	24.33	24.17		
3	QPSK	15	0	24.22	24.38	24.25		
3	16QAM	1	0	24.19	24.29	24.22	24.7	1
3	16QAM	1	8	24.10	24.37	24.03		
3	16QAM	1	14	24.16	24.29	24.19		
3	16QAM	8	0	23.21	23.29	23.25	23.7	2
3	16QAM	8	4	23.19	23.35	23.05		
3	16QAM	8	7	23.15	23.30	23.20		
3	16QAM	15	0	23.19	23.31	23.27		
3	64QAM	1	0	23.26	23.39	23.12	23.7	2
3	64QAM	1	8	23.06	23.35	22.95		
3	64QAM	1	14	23.18	23.33	23.11		
3	64QAM	8	0	22.24	22.35	22.23	22.7	3
3	64QAM	8	4	22.14	22.28	22.18		
3	64QAM	8	7	22.21	22.32	22.16		
3	64QAM	15	0	22.27	22.35	22.23		
3	256QAM	1	0	20.28	20.40	20.19	20.7	5
3	256QAM	1	8	20.19	20.35	20.15		
3	256QAM	1	14	20.27	20.29	20.10		
3	256QAM	8	0	20.20	20.36	20.28	20.7	5
3	256QAM	8	4	20.15	20.43	20.25		
3	256QAM	8	7	20.14	20.34	20.01		
3	256QAM	15	0	20.08	20.32	20.10		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	25.24	25.35	25.22	25.7	0
1.4	QPSK	1	3	25.12	25.32	25.07		
1.4	QPSK	1	5	25.12	25.31	25.12		
1.4	QPSK	3	0	25.14	25.25	25.18		
1.4	QPSK	3	1	25.05	25.23	24.95		
1.4	QPSK	3	3	24.99	25.19	25.01		
1.4	QPSK	6	0	24.20	24.32	24.28	24.7	1
1.4	16QAM	1	0	24.28	24.29	24.21	24.7	1
1.4	16QAM	1	3	24.06	24.37	24.01		
1.4	16QAM	1	5	24.10	24.20	24.17		
1.4	16QAM	3	0	24.07	24.24	24.18		
1.4	16QAM	3	1	24.18	24.24	24.07		
1.4	16QAM	3	3	24.04	24.33	23.92		
1.4	16QAM	6	0	23.26	23.30	23.20	23.7	2
1.4	64QAM	1	0	23.31	23.32	23.05	23.7	2
1.4	64QAM	1	3	23.06	23.32	22.99		
1.4	64QAM	1	5	23.19	23.33	23.08		
1.4	64QAM	3	0	23.16	23.23	23.06		
1.4	64QAM	3	1	23.28	23.19	22.94		
1.4	64QAM	3	3	22.96	23.25	22.91		
1.4	64QAM	6	0	22.20	22.31	22.21	22.7	3
1.4	256QAM	1	0	20.28	20.34	20.13	20.7	5
1.4	256QAM	1	3	20.15	20.42	20.09		
1.4	256QAM	1	5	20.23	20.35	20.03		
1.4	256QAM	3	0	20.25	20.37	20.32		
1.4	256QAM	3	1	20.16	20.38	20.18		
1.4	256QAM	3	3	20.11	20.38	19.97		
1.4	256QAM	6	0	20.12	20.32	20.11	20.7	5

Band 13 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					23230			
Frequency (MHz)					782			
10	QPSK	1	0		25.54		25.7	0
10	QPSK	1	25		25.52			
10	QPSK	1	49		25.40			
10	QPSK	25	0		24.55		24.7	1
10	QPSK	25	12		24.49			
10	QPSK	25	25		24.51			
10	QPSK	50	0		24.51			
10	16QAM	1	0		24.54		24.7	1
10	16QAM	1	25		24.58			
10	16QAM	1	49		24.48			
10	16QAM	25	0		23.54		23.7	2
10	16QAM	25	12		23.45			
10	16QAM	25	25		23.50			
10	16QAM	50	0		23.49			
10	64QAM	1	0		23.51		23.7	2
10	64QAM	1	25		23.44			
10	64QAM	1	49		23.43			
10	64QAM	25	0		22.55		22.7	3
10	64QAM	25	12		22.51			
10	64QAM	25	25		22.51			
10	64QAM	50	0		22.52			
10	256QAM	1	0		20.53		20.7	5
10	256QAM	1	25		20.53			
10	256QAM	1	49		20.56			
10	256QAM	25	0		20.56		20.7	5
10	256QAM	25	12		20.58			
10	256QAM	25	25		20.44			
10	256QAM	50	0		20.48			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	25.49	25.51	25.47	25.7	0
5	QPSK	1	12	25.45	25.48	25.42		
5	QPSK	1	24	25.27	25.35	25.37		
5	QPSK	12	0	24.47	24.46	24.49	24.7	1
5	QPSK	12	7	24.36	24.41	24.39		
5	QPSK	12	13	24.42	24.45	24.38		
5	QPSK	25	0	24.46	24.40	24.47		
5	16QAM	1	0	24.46	24.48	24.45	24.7	1
5	16QAM	1	12	24.47	24.44	24.53		
5	16QAM	1	24	24.36	24.35	24.41		
5	16QAM	12	0	23.44	23.46	23.47	23.7	2
5	16QAM	12	7	23.40	23.36	23.34		
5	16QAM	12	13	23.41	23.47	23.40		
5	16QAM	25	0	23.38	23.46	23.39		
5	64QAM	1	0	23.47	23.46	23.46	23.7	2
5	64QAM	1	12	23.41	23.33	23.41		
5	64QAM	1	24	23.37	23.37	23.36		
5	64QAM	12	0	22.51	22.45	22.47	22.7	3
5	64QAM	12	7	22.47	22.48	22.43		
5	64QAM	12	13	22.46	22.47	22.48		
5	64QAM	25	0	22.48	22.47	22.48		
5	256QAM	1	0	20.50	20.44	20.50	20.7	5
5	256QAM	1	12	20.51	20.45	20.45		
5	256QAM	1	24	20.47	20.46	20.50		
5	256QAM	12	0	20.53	20.51	20.52	20.7	5
5	256QAM	12	7	20.51	20.52	20.51		
5	256QAM	12	13	20.34	20.37	20.35		
5	256QAM	25	0	20.40	20.46	20.40		

Band 17 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	25.26	25.30	25.24	25.7	0
10	QPSK	1	25	25.20	25.23	25.18		
10	QPSK	1	49	25.15	25.20	25.15		
10	QPSK	25	0	24.23	24.35	24.25	24.7	1
10	QPSK	25	12	24.24	24.27	24.22		
10	QPSK	25	25	24.19	24.25	24.21		
10	QPSK	50	0	24.24	24.31	24.29		
10	16QAM	1	0	24.22	24.30	24.26	24.7	1
10	16QAM	1	25	24.22	24.28	24.19		
10	16QAM	1	49	24.13	24.17	24.15		
10	16QAM	25	0	23.21	23.33	23.22	23.7	2
10	16QAM	25	12	23.21	23.33	23.21		
10	16QAM	25	25	23.24	23.24	23.19		
10	16QAM	50	0	23.27	23.26	23.25		
10	64QAM	1	0	23.28	23.31	23.29	23.7	2
10	64QAM	1	25	23.17	23.25	23.18		
10	64QAM	1	49	23.16	23.18	23.18		
10	64QAM	25	0	22.23	22.35	22.29	22.7	3
10	64QAM	25	12	22.21	22.28	22.21		
10	64QAM	25	25	22.20	22.29	22.24		
10	64QAM	50	0	22.19	22.35	22.30		
10	256QAM	1	0	20.20	20.31	20.29	20.7	5
10	256QAM	1	25	20.20	20.24	20.23		
10	256QAM	1	49	20.18	20.27	20.22		
10	256QAM	25	0	20.27	20.30	20.27	20.7	5
10	256QAM	25	12	20.26	20.27	20.27		
10	256QAM	25	25	20.19	20.27	20.13		
10	256QAM	50	0	20.15	20.20	20.11		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	25.20	25.19	25.11	25.7	0
5	QPSK	1	12	25.12	25.17	25.10		
5	QPSK	1	24	25.12	25.11	25.06		
5	QPSK	12	0	24.21	24.33	24.13	24.7	1
5	QPSK	12	7	24.20	24.16	24.13		
5	QPSK	12	13	24.12	24.17	24.08		
5	QPSK	25	0	24.11	24.23	24.24		
5	16QAM	1	0	24.10	24.19	24.19	24.7	1
5	16QAM	1	12	24.18	24.19	24.06		
5	16QAM	1	24	24.07	24.04	24.06		
5	16QAM	12	0	23.12	23.24	23.13	23.7	2
5	16QAM	12	7	23.13	23.31	23.08		
5	16QAM	12	13	23.16	23.14	23.08		
5	16QAM	25	0	23.24	23.20	23.16		
5	64QAM	1	0	23.17	23.24	23.17	23.7	2
5	64QAM	1	12	23.05	23.21	23.09		
5	64QAM	1	24	23.09	23.07	23.04		
5	64QAM	12	0	22.12	22.26	22.17	22.7	3
5	64QAM	12	7	22.17	22.21	22.08		
5	64QAM	12	13	22.11	22.20	22.16		
5	64QAM	25	0	22.13	22.24	22.27		
5	256QAM	1	0	20.13	20.26	20.22	20.7	5
5	256QAM	1	12	20.08	20.17	20.11		
5	256QAM	1	24	20.06	20.19	20.20		
5	256QAM	12	0	20.14	20.25	20.25	20.7	5
5	256QAM	12	7	20.18	20.16	20.19		
5	256QAM	12	13	20.10	20.16	20.03		
5	256QAM	25	0	20.04	20.07	20.05		

Band 26 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	25.53	25.59	25.50	25.7	0
15	QPSK	1	37	25.46	25.56	25.38		
15	QPSK	1	74	25.45	25.54	25.38		
15	QPSK	36	0	24.54	24.65	24.46	24.7	1
15	QPSK	36	20	24.44	24.61	24.35		
15	QPSK	36	39	24.43	24.55	24.32		
15	QPSK	75	0	24.56	24.60	24.46		
15	16QAM	1	0	24.58	24.58	24.44	24.7	1
15	16QAM	1	37	24.46	24.54	24.40		
15	16QAM	1	74	24.45	24.53	24.41		
15	16QAM	36	0	23.56	23.65	23.48	23.7	2
15	16QAM	36	20	23.49	23.58	23.36		
15	16QAM	36	39	23.46	23.60	23.31		
15	16QAM	75	0	23.50	23.61	23.51		
15	64QAM	1	0	23.54	23.62	23.43	23.7	2
15	64QAM	1	37	23.41	23.60	23.41		
15	64QAM	1	74	23.44	23.59	23.37		
15	64QAM	36	0	22.58	22.70	22.46	22.7	3
15	64QAM	36	20	22.46	22.56	22.30		
15	64QAM	36	39	22.39	22.52	22.29		
15	64QAM	75	0	22.51	22.61	22.46		
15	256QAM	1	0	20.51	20.64	20.47	20.7	5
15	256QAM	1	37	20.44	20.60	20.34		
15	256QAM	1	74	20.37	20.61	20.32		
15	256QAM	36	0	20.59	20.60	20.50	20.7	5
15	256QAM	36	20	20.55	20.64	20.43		
15	256QAM	36	39	20.50	20.56	20.45		
15	256QAM	75	0	20.44	20.54	20.42		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	25.51	25.50	25.48	25.7	0
10	QPSK	1	25	25.36	25.51	25.28		
10	QPSK	1	49	25.39	25.41	25.26		
10	QPSK	25	0	24.48	24.61	24.42	24.7	1
10	QPSK	25	12	24.38	24.57	24.25		
10	QPSK	25	25	24.30	24.45	24.20		
10	QPSK	50	0	24.44	24.52	24.37		
10	16QAM	1	0	24.46	24.51	24.38	24.7	1
10	16QAM	1	25	24.39	24.43	24.28		
10	16QAM	1	49	24.41	24.47	24.31		
10	16QAM	25	0	23.43	23.57	23.38	23.7	2
10	16QAM	25	12	23.44	23.52	23.30		
10	16QAM	25	25	23.40	23.49	23.19		
10	16QAM	50	0	23.45	23.55	23.39		
10	64QAM	1	0	23.49	23.59	23.31	23.7	2
10	64QAM	1	25	23.35	23.54	23.28		
10	64QAM	1	49	23.35	23.51	23.28		
10	64QAM	25	0	22.47	22.65	22.35	22.7	3
10	64QAM	25	12	22.42	22.49	22.19		
10	64QAM	25	25	22.32	22.47	22.26		
10	64QAM	50	0	22.47	22.59	22.33		
10	256QAM	1	0	20.48	20.50	20.39	20.7	5
10	256QAM	1	25	20.35	20.51	20.20		
10	256QAM	1	49	20.24	20.57	20.23		
10	256QAM	25	0	20.56	20.50	20.42	20.7	5
10	256QAM	25	12	20.45	20.55	20.38		
10	256QAM	25	25	20.47	20.46	20.37		
10	256QAM	50	0	20.36	20.49	20.37		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	25.44	25.46	25.38	25.7	0
5	QPSK	1	12	25.35	25.46	25.36		
5	QPSK	1	24	25.42	25.49	25.30		
5	QPSK	12	0	24.43	24.52	24.43	24.7	1
5	QPSK	12	7	24.38	24.49	24.33		
5	QPSK	12	13	24.30	24.51	24.26		
5	QPSK	25	0	24.45	24.50	24.36		
5	16QAM	1	0	24.55	24.56	24.31	24.7	1
5	16QAM	1	12	24.41	24.52	24.35		
5	16QAM	1	24	24.34	24.47	24.31		
5	16QAM	12	0	23.44	23.58	23.35	23.7	2
5	16QAM	12	7	23.46	23.52	23.27		
5	16QAM	12	13	23.35	23.47	23.25		
5	16QAM	25	0	23.48	23.47	23.48		
5	64QAM	1	0	23.42	23.60	23.32	23.7	2
5	64QAM	1	12	23.34	23.57	23.36		
5	64QAM	1	24	23.30	23.53	23.33		
5	64QAM	12	0	22.56	22.58	22.38	22.7	3
5	64QAM	12	7	22.37	22.52	22.24		
5	64QAM	12	13	22.26	22.46	22.18		
5	64QAM	25	0	22.45	22.49	22.42		
5	256QAM	1	0	20.39	20.61	20.35	20.7	5
5	256QAM	1	12	20.36	20.54	20.21		
5	256QAM	1	24	20.33	20.59	20.23		
5	256QAM	12	0	20.50	20.51	20.38	20.7	5
5	256QAM	12	7	20.42	20.52	20.39		
5	256QAM	12	13	20.38	20.48	20.38		
5	256QAM	25	0	20.39	20.46	20.32		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	25.40	25.49	25.42	25.7	0
3	QPSK	1	8	25.40	25.45	25.35		
3	QPSK	1	14	25.35	25.47	25.32		
3	QPSK	8	0	24.44	24.55	24.34	24.7	1
3	QPSK	8	4	24.37	24.48	24.33		
3	QPSK	8	7	24.32	24.51	24.27		
3	QPSK	15	0	24.51	24.52	24.38		
3	16QAM	1	0	24.45	24.44	24.38	24.7	1
3	16QAM	1	8	24.37	24.48	24.27		
3	16QAM	1	14	24.41	24.43	24.27		
3	16QAM	8	0	23.51	23.58	23.37	23.7	2
3	16QAM	8	4	23.39	23.47	23.23		
3	16QAM	8	7	23.40	23.57	23.27		
3	16QAM	15	0	23.39	23.47	23.45		
3	64QAM	1	0	23.42	23.53	23.41	23.7	2
3	64QAM	1	8	23.31	23.58	23.39		
3	64QAM	1	14	23.39	23.53	23.26		
3	64QAM	8	0	22.50	22.61	22.42	22.7	3
3	64QAM	8	4	22.39	22.53	22.26		
3	64QAM	8	7	22.32	22.44	22.16		
3	64QAM	15	0	22.44	22.54	22.42		
3	256QAM	1	0	20.46	20.53	20.38	20.7	5
3	256QAM	1	8	20.40	20.52	20.21		
3	256QAM	1	14	20.25	20.58	20.27		
3	256QAM	8	0	20.54	20.50	20.36	20.7	5
3	256QAM	8	4	20.46	20.59	20.40		
3	256QAM	8	7	20.43	20.54	20.38		
3	256QAM	15	0	20.40	20.42	20.34		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	25.46	25.51	25.40	25.7	0
1.4	QPSK	1	3	25.39	25.52	25.34		
1.4	QPSK	1	5	25.38	25.51	25.30		
1.4	QPSK	3	0	25.44	25.41	25.31		
1.4	QPSK	3	1	25.28	25.38	25.24		
1.4	QPSK	3	3	25.28	25.48	25.16		
1.4	QPSK	6	0	24.42	24.53	24.41	24.7	1
1.4	16QAM	1	0	24.49	24.54	24.37	24.7	1
1.4	16QAM	1	3	24.42	24.49	24.30		
1.4	16QAM	1	5	24.34	24.42	24.34		
1.4	16QAM	3	0	24.39	24.40	24.30		
1.4	16QAM	3	1	24.44	24.47	24.28		
1.4	16QAM	3	3	24.29	24.36	24.20		
1.4	16QAM	6	0	23.42	23.50	23.38	23.7	2
1.4	64QAM	1	0	23.44	23.56	23.32	23.7	2
1.4	64QAM	1	3	23.30	23.53	23.37		
1.4	64QAM	1	5	23.37	23.50	23.25		
1.4	64QAM	3	0	23.29	23.39	23.34		
1.4	64QAM	3	1	23.37	23.52	23.19		
1.4	64QAM	3	3	23.19	23.46	23.33		
1.4	64QAM	6	0	22.42	22.54	22.41	22.7	3
1.4	256QAM	1	0	20.37	20.52	20.42	20.7	5
1.4	256QAM	1	3	20.34	20.47	20.23		
1.4	256QAM	1	5	20.31	20.50	20.29		
1.4	256QAM	3	0	20.54	20.52	20.40		
1.4	256QAM	3	1	20.46	20.56	20.29		
1.4	256QAM	3	3	20.47	20.45	20.33		
1.4	256QAM	6	0	20.35	20.50	20.36	20.7	5

Band 71 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				133222	133322	133372		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	25.28	25.35	25.32	25.4	0
20	QPSK	1	49	25.24	25.30	25.29		
20	QPSK	1	99	25.14	25.29	25.20		
20	QPSK	50	0	24.28	24.40	24.32	24.4	1
20	QPSK	50	24	24.29	24.32	24.31		
20	QPSK	50	50	24.16	24.25	24.20		
20	QPSK	100	0	24.30	24.38	24.28		
20	16QAM	1	0	24.30	24.37	24.26	24.4	1
20	16QAM	1	49	24.24	24.30	24.24		
20	16QAM	1	99	24.16	24.26	24.22		
20	16QAM	50	0	23.27	23.35	23.31	23.4	2
20	16QAM	50	24	23.34	23.31	23.26		
20	16QAM	50	50	23.16	23.23	23.16		
20	16QAM	100	0	23.34	23.37	23.33		
20	64QAM	1	0	23.29	23.22	23.26	23.4	2
20	64QAM	1	49	23.20	23.34	23.27		
20	64QAM	1	99	23.17	23.22	23.23		
20	64QAM	50	0	22.25	22.40	22.35	22.4	3
20	64QAM	50	24	22.32	22.34	22.34		
20	64QAM	50	50	22.12	22.24	22.22		
20	64QAM	100	0	22.32	22.38	22.24		
20	256QAM	1	0	20.30	20.38	20.29	20.4	5
20	256QAM	1	49	20.33	20.37	20.30		
20	256QAM	1	99	20.15	20.30	20.19		
20	256QAM	50	0	20.30	20.31	20.27	20.4	5
20	256QAM	50	24	20.35	20.22	20.23		
20	256QAM	50	50	20.21	20.31	20.24		
20	256QAM	100	0	20.18	20.29	20.17		
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	25.24	25.30	25.19	25.4	0
15	QPSK	1	37	25.18	25.26	25.22		
15	QPSK	1	74	25.10	25.17	25.17		
15	QPSK	36	0	24.17	24.36	24.18	24.4	1
15	QPSK	36	20	24.23	24.19	24.27		
15	QPSK	36	39	24.11	24.23	24.08		
15	QPSK	75	0	24.23	24.24	24.24		
15	16QAM	1	0	24.22	24.35	24.14	24.4	1
15	16QAM	1	37	24.19	24.18	24.20		
15	16QAM	1	74	24.03	24.23	24.15		
15	16QAM	36	0	23.14	23.25	23.25	23.4	2
15	16QAM	36	20	23.25	23.21	23.18		
15	16QAM	36	39	23.13	23.19	23.14		
15	16QAM	75	0	23.27	23.33	23.27		
15	64QAM	1	0	23.25	23.29	23.16	23.4	2
15	64QAM	1	37	23.12	23.26	23.18		
15	64QAM	1	74	23.07	23.14	23.14		
15	64QAM	36	0	22.14	22.37	22.25	22.4	3
15	64QAM	36	20	22.27	22.30	22.22		
15	64QAM	36	39	22.09	22.20	22.09		
15	64QAM	75	0	22.25	22.33	22.12		
15	256QAM	1	0	20.25	20.30	20.19	20.4	5
15	256QAM	1	37	20.25	20.25	20.18		
15	256QAM	1	74	20.13	20.20	20.09		
15	256QAM	36	0	20.27	20.29	20.20	20.4	5
15	256QAM	36	20	20.22	20.29	20.13		
15	256QAM	36	39	20.16	20.21	20.14		
15	256QAM	75	0	20.07	20.20	20.09		
Channel				133172	133272	133422	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	678	693		
10	QPSK	1	0	25.14	25.27	25.27	25.4	0
10	QPSK	1	25	25.17	25.28	25.24		
10	QPSK	1	49	25.10	25.18	25.09		
10	QPSK	25	0	24.24	24.27	24.28	24.4	1
10	QPSK	25	12	24.25	24.25	24.18		
10	QPSK	25	25	24.02	24.17	24.10		
10	QPSK	50	0	24.25	24.30	24.20		
10	16QAM	1	0	24.26	24.28	24.23	24.4	1
10	16QAM	1	25	24.13	24.17	24.19		
10	16QAM	1	49	24.11	24.13	24.17		
10	16QAM	25	0	23.21	23.26	23.22	23.4	2
10	16QAM	25	12	23.29	23.27	23.21		
10	16QAM	25	25	23.10	23.18	23.02		
10	16QAM	50	0	23.28	23.29	23.26		
10	64QAM	1	0	23.20	23.38	23.14	23.4	2
10	64QAM	1	25	23.08	23.22	23.15		
10	64QAM	1	49	23.13	23.11	23.18		
10	64QAM	25	0	22.18	22.35	22.31	22.4	3
10	64QAM	25	12	22.26	22.30	22.20		
10	64QAM	25	25	22.03	22.17	22.13		
10	64QAM	50	0	22.29	22.34	22.13		
10	256QAM	1	0	20.17	20.36	20.17	20.4	5
10	256QAM	1	25	20.21	20.31	20.19		
10	256QAM	1	49	20.12	20.26	20.05		
10	256QAM	25	0	20.18	20.28	20.15	20.4	5
10	256QAM	25	12	20.24	20.32	20.17		
10	256QAM	25	25	20.17	20.18	20.15		
10	256QAM	50	0	20.10	20.24	20.13		
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	25.25	25.23	25.26	25.4	0
5	QPSK	1	12	25.15	25.27	25.22		
5	QPSK	1	24	25.09	25.15	25.14		
5	QPSK	12	0	24.20	24.29	24.18	24.4	1
5	QPSK	12	7	24.16	24.26	24.27		
5	QPSK	12	13	24.07	24.20	24.06		
5	QPSK	25	0	24.27	24.26	24.17		
5	16QAM	1	0	24.17	24.28	24.17	24.4	1
5	16QAM	1	12	24.20	24.21	24.18		
5	16QAM	1	24	24.06	24.15	24.13		
5	16QAM	12	0	23.21	23.29	23.20	23.4	2
5	16QAM	12	7	23.25	23.21	23.14		
5	16QAM	12	13	23.14	23.21	23.04		
5	16QAM	25	0	23.29	23.26	23.23		
5	64QAM	1	0	23.19	23.38	23.19	23.4	2
5	64QAM	1	12	23.11	23.22	23.16		
5	64QAM	1	24	23.07	23.16	23.11		
5	64QAM	12	0	22.21	22.31	22.31	22.4	3
5	64QAM	12	7	22.25	22.25	22.29		
5	64QAM	12	13	22.05	22.16	22.19		
5	64QAM	25	0	22.26	22.26	22.14		
5	256QAM	1	0	20.19	20.29	20.25	20.4	5
5	256QAM	1	12	20.21	20.34	20.21		
5	256QAM	1	24	20.11	20.27	20.15		
5	256QAM	12	0	20.22	20.38	20.15	20.4	5
5	256QAM	12	7	20.22	20.40	20.17		
5	256QAM	12	13	20.13	20.19	20.16		
5	256QAM	25	0	20.09	20.20	20.05		

GSM1900 Ant5 Default

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.65	29.84	29.79	31.00	20.65	20.84	20.79	22.00
GPRS 1 Tx slot	29.68	30.01	30.13	31.00	20.68	21.01	21.13	22.00
GPRS 2 Tx slots	26.32	26.73	26.75	28.00	20.32	20.73	20.75	22.00
GPRS 3 Tx slots	25.44	25.72	25.34	26.20	21.18	21.46	21.08	21.94
GPRS 4 Tx slots	23.40	23.90	23.65	25.00	20.40	20.90	20.65	22.00
EDGE 1 Tx slot	25.51	26.01	25.93	27.00	16.51	17.01	16.93	18.00
EDGE 2 Tx slots	22.65	22.81	23.05	24.00	16.65	16.81	17.05	18.00
EDGE 3 Tx slots	21.55	21.54	21.54	22.20	17.29	17.28	17.28	17.94
EDGE 4 Tx slots	19.81	19.87	19.76	21.00	16.81	16.87	16.78	18.00

WCDMA II Ant5 Default

WCDMA IV Ant5 Default

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	24.23	24.25	24.14	25.00	24.05	24.16	24.18	25.00
3GPP Rel 99	RMC 12.2Kbps	24.28	24.35	24.22	25.00	24.17	24.27	24.26	25.00
3GPP Rel 6	HSDPA Subtest-1	23.28	23.30	23.27	24.00	23.15	23.25	23.31	24.00
3GPP Rel 6	HSDPA Subtest-2	23.33	23.37	23.17	24.00	23.18	23.23	23.28	24.00
3GPP Rel 6	HSDPA Subtest-3	22.81	22.83	22.77	23.50	22.64	22.80	22.82	23.50
3GPP Rel 6	HSDPA Subtest-4	22.74	22.80	22.71	23.50	22.70	22.79	22.75	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.28	23.35	23.26	24.00	23.16	23.27	23.25	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.25	23.37	23.17	24.00	23.13	23.30	23.21	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.75	22.83	22.72	23.50	22.69	22.73	22.72	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.83	22.89	22.66	23.50	22.72	22.76	22.75	23.50
3GPP Rel 6	HSUPA Subtest-1	23.31	23.34	23.21	24.00	23.16	23.22	23.27	24.00
3GPP Rel 6	HSUPA Subtest-2	21.26	21.30	21.24	22.00	21.14	21.21	21.25	22.00
3GPP Rel 6	HSUPA Subtest-3	22.22	22.35	22.19	23.00	22.20	22.29	22.29	23.00
3GPP Rel 6	HSUPA Subtest-4	21.27	21.39	21.22	22.00	21.18	21.27	21.28	22.00
3GPP Rel 6	HSUPA Subtest-5	23.24	23.41	23.21	24.00	23.14	23.33	23.30	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.75	20.88	20.73	21.50	20.70	20.77	20.72	21.50

Band 2 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	23.94	24.11	23.95		
20	QPSK	1	49	23.86	24.01	23.81	25	0
20	QPSK	50	0	23.84	24.06	23.82		
20	QPSK	50	0	22.92	23.17	22.98		
20	QPSK	50	24	22.98	23.08	22.96	24	1
20	QPSK	50	50	22.89	23.11	22.97		
20	QPSK	100	0	22.95	23.15	22.90		
20	16QAM	1	0	22.89	23.13	22.93		
20	16QAM	1	49	23.00	23.05	22.94	24	1
20	16QAM	1	99	22.92	23.08	22.96		
20	16QAM	50	0	21.88	22.09	21.90		
20	16QAM	50	24	21.92	22.11	21.96	23	2
20	16QAM	50	50	21.96	22.13	21.97		
20	16QAM	100	0	21.90	22.08	21.94		
20	64QAM	1	0	21.88	22.06	22.00		
20	64QAM	1	49	21.93	22.15	21.94	23	2
20	64QAM	1	99	21.91	22.13	21.93		
20	64QAM	50	0	20.94	21.14	20.97		
20	64QAM	50	24	21.00	21.09	20.91	22	3
20	64QAM	50	50	20.96	21.16	20.98		
20	64QAM	100	0	20.99	21.12	21.00		
20	256QAM	1	0	18.92	19.08	18.93		
20	256QAM	1	49	18.97	19.08	18.98	20	5
20	256QAM	1	99	18.90	19.16	18.92		
20	256QAM	50	0	18.93	19.16	18.89		
20	256QAM	50	24	18.92	19.10	19.01	20	5
20	256QAM	50	50	18.92	19.12	18.90		
20	256QAM	100	0	18.98	19.12	18.99		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.88	24.03	23.82		
15	QPSK	1	37	23.77	23.87	23.70	25	0
15	QPSK	1	74	23.72	23.92	23.73		
15	QPSK	36	0	22.77	23.03	22.86		
15	QPSK	36	20	22.90	22.93	22.84	24	1
15	QPSK	36	39	22.76	22.97	22.81		
15	QPSK	75	0	22.79	22.99	22.85		
15	16QAM	1	0	22.85	23.00	22.81		
15	16QAM	1	37	22.94	22.99	22.84	24	1
15	16QAM	1	74	22.80	22.93	22.82		
15	16QAM	36	0	21.80	21.98	21.74		
15	16QAM	36	20	21.83	22.07	21.85	23	2
15	16QAM	36	39	21.88	22.03	21.81		
15	16QAM	75	0	21.80	21.96	21.84		
15	64QAM	1	0	21.74	21.92	21.95		
15	64QAM	1	37	21.79	22.06	21.80	23	2
15	64QAM	1	74	21.78	21.99	21.81		
15	64QAM	36	0	20.83	21.09	20.89		
15	64QAM	36	20	20.90	20.99	20.78	22	3
15	64QAM	36	39	20.86	21.00	20.88		
15	64QAM	75	0	20.94	21.00	20.95		
15	256QAM	1	0	18.77	18.94	18.88		
15	256QAM	1	37	18.88	19.03	18.87	20	5
15	256QAM	1	74	18.81	19.00	18.78		
15	256QAM	36	0	18.86	19.07	18.77		
15	256QAM	36	20	18.80	18.97	18.88	20	5
15	256QAM	36	39	18.80	19.04	18.80		
15	256QAM	75	0	18.91	18.98	18.84		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.83	24.06	23.87		
10	QPSK	1	25	23.79	23.91	23.75	25	0
10	QPSK	1	49	23.79	23.93	23.69		
10	QPSK	25	0	22.78	23.05	22.84		
10	QPSK	25	12	22.85	22.93	22.85	24	1
10	QPSK	25	25	22.81	22.97	22.85		
10	QPSK	50	0	22.83	23.10	22.81		
10	16QAM	1	0	22.73	23.07	22.78		
10	16QAM	1	25	22.84	22.93	22.79	24	1
10	16QAM	1	49	22.84	22.99	22.90		
10	16QAM	25	0	21.77	22.03	21.80		
10	16QAM	25	12	21.86	21.96	21.85	23	2
10	16QAM	25	25	21.83	22.06	21.91		
10	16QAM	50	0	21.82	21.97	21.89		
10	64QAM	1	0	21.82	21.98	21.90		
10	64QAM	1	25	21.82	22.01	21.82	23	2
10	64QAM	1	49	21.80	22.07	21.86		
10	64QAM	25	0	20.82	21.03	20.89		
10	64QAM	25	12	20.85	20.94	20.76	22	3
10	64QAM	25	25	20.87	21.11	20.84		
10	64QAM	50	0	20.87	21.04	20.90		
10	256QAM	1	0	18.87	18.98	18.83		
10	256QAM	1	25	18.89	19.03	18.89	20	5
10	256QAM	1	49	18.81	19.01	18.85		
10	256QAM	25	0	18.88	19.06	18.85		
10	256QAM	25	12	18.79	19.04	18.96	20	5
10	256QAM	25	25	18.86	19.03	18.74		
10	256QAM	50	0	18.88	18.98	18.86		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.78	23.98	23.81		
5	QPSK	1	12	23.81	23.95	23.68	25	0
5	QPSK	1	24	23.69	24.01	23.69		
5	QPSK	12	0	22.76	23.09	22.85		
5	QPSK	12	7	22.93	23.02	22.88	24	1
5	QPSK	12	13	22.83	22.98	22.89		
5	QPSK	25	0	22.86	23.04	22.81		
5	16QAM	1	0	23.01	23.05	22.86		
5	16QAM	1	12	22.86	22.91	22.84	24	1
5	16QAM	1	24	22.82	22.98	22.88		
5	16QAM	12	0	21.75	21.97	21.85		
5	16QAM	12	7	21.80	22.06	21.92	23	2
5	16QAM	12	13	21.88	22.05	21.89		
5	16QAM	25	0	21.78	21.93	21.80		
5	64QAM	1	0	21.83	21.98	21.85		
5	64QAM	1	12	21.84	22.06	21.87	23	2
5	64QAM	1	24	21.75	22.05	21.86		
5	64QAM	12	0	20.85	21.03	20.89		
5	64QAM	12	7	20.95	21.03	20.80	22	3
5	64QAM	12	13	20.88	21.05	20.94		
5	64QAM	25	0	20.91	20.96	20.85		
5	256QAM	1	0	18.80	19.00	18.88		
5	256QAM	1	12	18.88	18.99	18.90	20	5
5	256QAM	1	24	18.75	19.03	18.86		
5	256QAM	12	0	18.82	19.06	18.79		
5	256QAM	12	7	18.83	19.03	18.87	20	5
5	256QAM	12	13	18.83	19.00	18.79		
5	256QAM	25	0	18.88	19.02	18.93		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.84	24.04	23.81		
3	QPSK	1	8	23.72	23.86	23.76	25	0
3	QPSK	1	14	23.69	23.96	23.69		
3	QPSK	8	0	22.84	23.05	22.86		
3	QPSK	8	4	22.93	23.00	22.86	24	1
3	QPSK	8	7	22.81	23.04	22.90		
3	QPSK	15	0	22.89	23.04	22.77		
3	16QAM	1	0	22.77	22.99	22.81		
3	16QAM	1	8	22.92	23.00	22.87	24	1
3	16QAM	1	14	22.87	22.98	22.92		
3	16QAM	8	0	21.81	22.03	21.86		
3	16QAM	8	4	21.78	21.96	21.89	23	2
3	16QAM	8	7	21.88	22.05	21.85		
3	16QAM	15	0	21.80	21.97	21.84		
3	64QAM	1	0	21.83	21.94	21.86		
3	64QAM	1	8	21.89	22.06	21.90	23	2
3	64QAM	1	14	21.83	22.07	21.80		
3	64QAM	8	0	20.87	20.99	20.84		
3	64QAM	8	4	20.95	20.94	20.77	22	3
3	64QAM	8	7	20.82	21.08	20.93		
3	64QAM	15	0	20.93	20.99	20.95		
3	256QAM	1	0	18.79	18.93	18.84		
3	256QAM	1	8	18.89	18.96	18.83	20	5
3	256QAM	1	14	18.85	19.07	18.83		
3	256QAM	8	0	18.78	19.04	18.79		
3	256QAM	8	4	18.86	18.97	18.91	20	5
3	256QAM	8	7	18.80	19.02	18.78		
3	256QAM	15	0	18.93	19.01	18.86		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.83	23.99	23.86		
1.4	QPSK	1	3	23.71	23.96	23.70		
1.4	QPSK	1	5	23.75	24.02	23.75	25	0
1.4	QPSK	3	0	23.67	23.91	23.74		
1.4	QPSK	3	1	23.73	23.94	23.78		
1.4	QPSK	3	3	23.69	23.92	23.73		
1.4	QPSK	6	0	22.83	22.95	22.87	24	1
1.4	16QAM	1	0	22.85	22.99	22.83		
1.4	16QAM	1	3	22.85	22.95	22.90		
1.4	16QAM	1	5	22.77	23.05	22.91	24	1
1.4	16QAM	3	0	22.83	23.05	22.87		
1.4	16QAM	3	1	22.88	22.96	22.90		
1.4	16QAM	3	3	22.87	23.05	22.82		
1.4	16QAM	6	0	21.85	22.04	21.89	23	2
1.4	64QAM	1	0	21.85	22.00	21.85		
1.4	64QAM	1	3	21.82	22.04	21.84		
1.4	64QAM	1	5	21.80	22.04	21.81	23	2
1.4	64QAM	3	0	21.83	21.99	21.80		
1.4	64QAM	3	1	21.89	21.95	21.84		
1.4	64QAM	3	3	21.82	21.94	21.82		
1.4	64QAM	6	0	20.79	20.97	20.86	22	3
1.4	256QAM	1	0	18.80	19.02	18.90		
1.4	256QAM	1	3	18.81	19.02	18.81		
1.4	256QAM	1	5	18.88	19.02	18.92	20	5
1.4	256QAM	3	0	18.79	18.97	18.91		
1.4	256QAM	3	1	18.84	19.04	18.90		
1.4	256QAM	3	3	18.88	19.02	18.86		
1.4	256QAM	6	0	18.86	19.03	18.83	20	5

Band 4 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	24.77	24.89	24.65		
20	QPSK	1	49	24.78	24.83	24.65	25.7	0
20	QPSK	50	0	24.77	24.87	24.72		
20	QPSK	50	0	23.83	24.02	23.74		
20	QPSK	50	24	23.88	23.96	23.79	24.7	1
20	QPSK	50	50	23.86	24.01	23.83		
20	QPSK	100	0	23.84	23.93	23.76		
20	16QAM	1	0	23.95	23.97	23.76		
20	16QAM	1	49	23.93	23.98	23.78	24.7	1
20	16QAM	1	99	23.94	24.01	23.74		
20	16QAM	50	0	22.86	22.99	22.79		
20	16QAM	50	24	22.92	23.01	22.74	23.7	2
20	16QAM	50	50	22.84	23.02	22.80		
20	16QAM	100	0	22.91	22.99	22.84		
20	64QAM	1	0	22.84	23.01	22.74		
20	64QAM	1	49	22.85	23.04	22.80	23.7	2
20	64QAM	1	99	22.94	23.04	22.76		
20	64QAM	50	0	21.85	22.00	21.76		
20	64QAM	50	24	21.93	22.02	21.79	22.7	3
20	64QAM	50	50	21.87	21.96	21.84		
20	64QAM	100	0	21.83	21.99	21.82		
20	256QAM	1	0	19.87	19.97	19.76		
20	256QAM	1	49	19.90	19.99	19.85	20.7	5
20	256QAM	1	99	19.92	19.98	19.84		
20	256QAM	50	0	19.89	20.01	19.80		
20	256QAM	50	24	19.91	20.00	19.84	20.7	5
20	256QAM	50	50	19.93	20.00	19.79		
20	256QAM	100	0	19.89	20.01	19.77		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	24.72	24.80	24.50		
15	QPSK	1	37	24.78	24.76	24.53	25.7	0
15	QPSK	1	74	24.65	24.72	24.53		
15	QPSK	36	0	23.69	23.97	23.65		
15	QPSK	36	20	23.73	23.87	23.70	24.7	1
15	QPSK	36	39	23.75	23.93	23.71		
15	QPSK	75	0	23.80	23.86	23.70		
15	16QAM	1	0	23.84	23.84	23.72		
15	16QAM	1	37	23.87	23.83	23.72	24.7	1
15	16QAM	1	74	23.79	23.91	23.63		
15	16QAM	36	0	22.80	22.86	22.66		
15	16QAM	36	20	22.84	22.90	22.70	23.7	2
15	16QAM	36	39	22.72	22.93	22.75		
15	16QAM	75	0	22.84	22.82	22.72		
15	64QAM	1	0	22.73	22.89	22.63		
15	64QAM	1	37	22.76	22.89	22.65	23.7	2
15	64QAM	1	74	22.83	22.93	22.65		
15	64QAM	36	0	21.75	21.89	21.63		
15	64QAM	36	20	21.82	21.91	21.71	22.7	3
15	64QAM	36	39	21.78	21.92	21.73		
15	64QAM	75	0	21.74	21.92	21.69		
15	256QAM	1	0	19.72	19.87	19.67		
15	256QAM	1	37	19.83	19.84	19.77	20.7	5
15	256QAM	1	74	19.86	19.88	19.78		
15	256QAM	36	0	19.73	19.95	19.72		
15	256QAM	36	20	19.80	19.93	19.74	20.7	5
15	256QAM	36	39	19.89	19.94	19.73		
15	256QAM	75	0	19.78	19.97	19.71		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.73	24.77	24.60		
10	QPSK	1	25	24.65	24.70	24.52	25.7	0
10	QPSK	1	49	24.64	24.80	24.54		
10	QPSK	25	0	23.71	23.91	23.61		
10	QPSK	25	12	23.77	23.90	23.66	24.7	1
10	QPSK	25	25	23.74	23.94	23.68		
10	QPSK	50	0	23.77	23.79	23.62		
10	16QAM	1	0	23.86	23.85	23.62		
10	16QAM	1	25	23.81	23.89	23.73	24.7	1
10	16QAM	1	49	23.90	23.88	23.60		
10	16QAM	25	0	22.81	22.89	22.66		
10	16QAM	25	12	22.85	22.93	22.62	23.7	2
10	16QAM	25	25	22.75	22.92	22.75		
10	16QAM	50	0	22.76	22.93	22.70		
10	64QAM	1	0	22.68	22.87	22.61		
10	64QAM	1	25	22.71	22.97	22.71	23.7	2
10	64QAM	1	49	22.87	22.89	22.68		
10	64QAM	25	0	21.70	21.86	21.72		
10	64QAM	25	12	21.82	21.96	21.63	22.7	3
10	64QAM	25	25	21.71	21.82	21.80		
10	64QAM	50	0	21.79	21.93	21.68		
10	256QAM	1	0	19.78	19.86	19.71		
10	256QAM	1	25	19.81	19.88	19.70	20.7	5
10	256QAM	1	49	19.81	19.90	19.71		
10	256QAM	25	0	19.75	19.90	19.71		
10	256QAM	25	12	19.78	19.86	19.77	20.7	5
10	256QAM	25	25	19.79	19.92	19.75		
10	256QAM	50	0	19.79	19.90	19.71		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	24.65	24.77	24.60		
5	QPSK	1	12	24.63	24.74	24.53	25.7	0
5	QPSK	1	24	24.68	24.73	24.55		
5	QPSK	12	0	23.71	23.88	23.61		
5	QPSK	12	7	23.75	23.92	23.66	24.7	1
5	QPSK	12	13	23.76	23.96	23.75		
5	QPSK	25	0	23.70	23.84	23.62		
5	16QAM	1	0	23.82	23.84	23.61		
5	16QAM	1	12	24.83	23.83	23.73	24.7	1
5	16QAM	1	24	23.88	23.94	23.62		
5	16QAM	12	0	22.75	22.90	22.71		
5	16QAM	12	7	22.83	22.89	22.65	23.7	2
5	16QAM	12	13	22.77	22.97	22.68		
5	16QAM	25	0	22.78	22.85	22.79		
5	64QAM	1	0	22.70	22.91	22.60		
5	64QAM	1	12	22.80	22.89	22.74	23.7	2
5	64QAM	1	24	22.83	22.94	22.64		
5	64QAM	12	0	21.80	21.89	21.69		
5	64QAM	12	7	21.77	21.96	21.70	22.7	3
5	64QAM	12	13	21.78	21.84	21.77		
5	64QAM	25	0	21.69	21.78	21.70		
5	256QAM	1	0	19.77	19.84	19.68		
5	256QAM	1	12	19.77	19.91	19.75	20.7	5
5	256QAM	1	24	19.86	19.94	19.71		
5	256QAM	12	0	19.82	19.92	19.72		
5	256QAM	12	7	19.84	19.90	19.70	20.7	5
5	256QAM	12	13	19.83	19.90	19.67		
5	256QAM	25	0	19.73	19.96	19.62		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	24.65	24.78	24.57		
3	QPSK	1	8	24.63	24.68	24.57	25.7	0
3	QPSK	1	14	24.72	24.74	24.54		
3	QPSK	8	0	23.71	23.95	23.67		
3	QPSK	8	4	23.83	23.92	23.74	24.7	1
3	QPSK	8	7	23.79	23.86	23.67		
3	QPSK	15	0	23.72	23.83	23.62		
3	16QAM	1	0	23.87	23.85	23.63		
3	16QAM	1	8	23.85	23.86	23.74	24.7	1
3	16QAM	1	14	23.84	23.90	23.64		
3	16QAM	8	0	22.70	22.93	22.67		
3	16QAM	8	4	22.82	22.97	22.81	23.7	2
3	16QAM	8	7	22.72	22.95	22.66		
3	16QAM	15	0	22.78	22.85	22.73		
3	64QAM	1	0	22.76	22.91	22.66		
3	64QAM	1	8	22.89	22.95	22.74	23.7	2
3	64QAM	1	14	22.84	22.90	22.69		
3	64QAM	8	0	21.71	21.85	21.63		
3	64QAM	8	4	21.82	21.87	21.75	22.7	3
3	64QAM	8	7	21.78	21.84	21.68		
3	64QAM	15	0	21.70	21.87	21.71		
3	256QAM	1	0	19.72	19.89	19.62		
3	256QAM	1	8	19.80	19.91	19.77	20.7	5
3	256QAM	1	14	19.80	19.91	19.68		
3	256QAM	8	0	19.78	19.92	19.66		
3	256QAM	8	4	19.79	19.92	19.78	20.7	5
3	256QAM	8	7	19.80	19.87	19.70		
3	256QAM	15	0	19.74	19.95	19.64		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.69	24.79	24.63		
1.4	QPSK	1	3	24.53	24.76	24.50		
1.4	QPSK	1	5	24.50	24.77	24.55	25.7	0
1.4	QPSK	3	0	24.46	24.65	24.55		
1.4	QPSK	3	1	24.55	24.72	24.57		
1.4	QPSK	3	3	24.53	24.74	24.57		
1.4	QPSK	6	0	23.66	23.70	23.72	24.7	1
1.4	16QAM	1	0	23.68	23.74	23.66		
1.4	16QAM	1	3	23.60	23.77	23.73		
1.4	16QAM	1	5	23.52	23.82	23.76	24.7	1
1.4	16QAM	3	0	23.58	23.81	23.66		
1.4	16QAM	3	1	23.67	23.73	23.66		
1.4	16QAM	3	3	23.62	23.83	23.59		
1.4	16QAM	6	0	22.64	22.85	22.72	23.7	2
1.4	64QAM	1	0	22.70	22.80	22.61		
1.4	64QAM	1	3	22.67	22.81	22.69		
1.4	64QAM	1	5	22.60	22.84	22.66	23.7	2
1.4	64QAM	3	0	22.60	22.79	22.63		
1.4	64QAM	3	1	22.69	22.75	22.62		
1.4	64QAM	3	3	22.56	22.72	22.64		
1.4	64QAM	6	0	21.57	21.82	21.63	22.7	3
1.4	256QAM	1	0	19.56	19.83	19.73		
1.4	256QAM	1	3	19.55	19.76	19.60		
1.4	256QAM	1	5	19.65	19.79	19.77	20.7	5
1.4	256QAM	3	0	19.64	19.77	19.69		
1.4	256QAM	3	1	19.65	19.81	19.71		
1.4	256QAM	3	3	19.74	19.87	19.71		
1.4	256QAM	6	0	19.63	19.86	19.69	20.7	5

Band 7 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.63	24.78	24.51		
20	QPSK	1	49	24.57	24.57	24.56	25.5	0
20	QPSK	1	99	24.63	24.67	24.61		
20	QPSK	50	0	23.64	23.73	23.57		
20	QPSK	50	24	23.71	23.70	23.66	24.5	1
20	QPSK	50	50	23.68	23.67	23.68		
20	QPSK	100	0	23.63	23.69	23.68		
20	16QAM	1	0	23.70	23.78	23.68		
20	16QAM	1	49	23.63	23.71	23.69	24.5	1
20	16QAM	1	99	23.72	23.76	23.68		
20	16QAM	50	0	22.73	22.69	22.

Band 66 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	25.20	25.35	25.13		
20	QPSK	1	49	25.09	25.30	24.98	25.7	0
20	QPSK	1	99	25.11	25.28	25.06		
20	QPSK	50	0	24.23	24.32	24.14		
20	QPSK	50	24	24.23	24.30	24.13	24.7	1
20	QPSK	50	50	24.25	24.31	24.13		
20	QPSK	100	0	24.16	24.29	24.08		
20	16QAM	1	0	24.25	24.31	24.17		
20	16QAM	1	49	24.21	24.34	24.13	24.7	1
20	16QAM	1	99	24.14	24.32	24.10		
20	16QAM	50	0	23.17	23.37	23.07		
20	16QAM	50	24	23.20	23.32	23.12	23.7	2
20	16QAM	50	50	23.18	23.34	23.11		
20	16QAM	100	0	23.15	23.32	23.09		
20	64QAM	1	0	23.15	23.37	23.18		
20	64QAM	1	49	23.17	23.31	23.14	23.7	2
20	64QAM	1	99	23.25	23.39	23.16		
20	64QAM	50	0	22.25	22.31	22.11		
20	64QAM	50	24	22.21	22.35	22.19	22.7	3
20	64QAM	50	50	22.16	22.30	22.14		
20	64QAM	100	0	22.22	22.31	22.10		
20	256QAM	1	0	20.23	20.36	20.16		
20	256QAM	1	49	20.21	20.39	20.12	20.7	5
20	256QAM	1	99	20.19	20.29	20.14		
20	256QAM	50	0	20.23	20.36	20.08		
20	256QAM	50	24	20.18	20.40	20.15	20.7	5
20	256QAM	50	50	20.20	20.38	20.07		
20	256QAM	100	0	20.14	20.32	20.12		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	25.11	25.24	25.06		
15	QPSK	1	37	25.03	25.19	24.83	25.7	0
15	QPSK	1	74	25.00	25.15	24.99		
15	QPSK	36	0	24.10	24.25	24.02		
15	QPSK	36	20	24.16	24.18	23.98	24.7	1
15	QPSK	36	39	24.10	24.22	23.98		
15	QPSK	75	0	24.07	24.14	24.01		
15	16QAM	1	0	24.19	24.25	24.01		
15	16QAM	1	37	24.10	24.20	24.01	24.7	1
15	16QAM	1	74	23.99	24.22	23.94		
15	16QAM	36	0	23.03	23.25	23.00		
15	16QAM	36	20	23.04	23.27	22.99	23.7	2
15	16QAM	36	39	23.07	23.28	23.00		
15	16QAM	75	0	23.08	23.21	23.00		
15	64QAM	1	0	23.06	23.26	23.11		
15	64QAM	1	37	23.02	23.20	23.07	23.7	2
15	64QAM	1	74	23.18	23.30	23.03		
15	64QAM	36	0	22.14	22.26	22.02		
15	64QAM	36	20	22.13	22.22	22.05	22.7	3
15	64QAM	36	39	22.01	22.26	22.02		
15	64QAM	75	0	22.14	22.24	22.00		
15	256QAM	1	0	20.08	20.25	20.09		
15	256QAM	1	37	20.09	20.34	20.05	20.7	5
15	256QAM	1	74	20.06	20.20	20.04		
15	256QAM	36	0	20.08	20.21	19.92		
15	256QAM	36	20	20.12	20.28	20.05	20.7	5
15	256QAM	36	39	20.04	20.26	19.92		
15	256QAM	75	0	20.00	20.16	19.96		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	25.11	25.28	24.99		
10	QPSK	1	25	25.05	25.19	24.85	25.7	0
10	QPSK	1	49	25.04	25.18	24.93		
10	QPSK	25	0	24.17	24.21	24.04		
10	QPSK	25	12	24.12	24.18	23.99	24.7	1
10	QPSK	25	25	24.15	24.18	23.99		
10	QPSK	50	0	24.01	24.14	23.95		
10	16QAM	1	0	24.14	24.21	24.06		
10	16QAM	1	25	24.07	24.23	23.96	24.7	1
10	16QAM	1	49	23.99	24.18	24.04		
10	16QAM	25	0	23.04	23.30	22.98		
10	16QAM	25	12	23.14	23.19	22.98	23.7	2
10	16QAM	25	25	23.04	23.29	23.06		
10	16QAM	50	0	23.11	23.28	23.02		
10	64QAM	1	0	23.00	23.28	23.13		
10	64QAM	1	25	23.04	23.27	23.08	23.7	2
10	64QAM	1	49	23.12	23.26	23.02		
10	64QAM	25	0	22.11	22.22	22.05		
10	64QAM	25	12	22.11	22.27	22.07	22.7	3
10	64QAM	25	25	22.05	22.23	22.00		
10	64QAM	50	0	22.09	22.22	21.98		
10	256QAM	1	0	20.10	20.29	20.04		
10	256QAM	1	25	20.12	20.32	20.01	20.7	5
10	256QAM	1	49	20.12	20.19	20.05		
10	256QAM	25	0	20.11	20.20	19.93		
10	256QAM	25	12	20.13	20.29	20.07	20.7	5
10	256QAM	25	25	20.13	20.25	19.93		
10	256QAM	50	0	20.01	20.22	19.96		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	25.13	25.30	25.04		
5	QPSK	1	12	24.97	25.19	24.83	25.7	0
5	QPSK	1	24	25.03	25.12	24.91		
5	QPSK	12	0	24.12	24.18	24.03		
5	QPSK	12	7	24.15	24.15	23.98	24.7	1
5	QPSK	12	13	24.18	24.19	24.02		
5	QPSK	25	0	24.06	24.14	24.02		
5	16QAM	1	0	24.17	24.25	24.03		
5	16QAM	1	12	24.14	24.28	23.98	24.7	1
5	16QAM	1	24	24.10	24.20	23.97		
5	16QAM	12	0	23.09	23.33	23.02		
5	16QAM	12	7	23.13	23.21	22.99	23.7	2
5	16QAM	12	13	23.13	23.25	22.99		
5	16QAM	25	0	23.08	23.19	23.02		
5	64QAM	1	0	23.07	23.28	23.08		
5	64QAM	1	12	23.05	23.16	23.10	23.7	2
5	64QAM	1	24	23.17	23.26	23.07		
5	64QAM	12	0	22.12	22.21	21.97		
5	64QAM	12	7	22.09	22.22	22.07	22.7	3
5	64QAM	12	13	22.07	22.18	22.08		
5	64QAM	25	0	22.09	22.24	21.96		
5	256QAM	1	0	20.17	20.28	20.03		
5	256QAM	1	12	20.11	20.32	19.97	20.7	5
5	256QAM	1	24	20.13	20.17	20.07		
5	256QAM	12	0	20.16	20.23	20.03		
5	256QAM	12	7	20.10	20.29	20.10	20.7	5
5	256QAM	12	13	20.09	20.28	20.03		
5	256QAM	25	0	20.03	20.18	20.06		
Channel				131967	132322	132677	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	25.16	25.26	25.00		
3	QPSK	1	8	25.04	25.21	24.89	25.7	0
3	QPSK	1	14	24.99	25.13	24.93		
3	QPSK	8	0	24.09	24.19	24.09		
3	QPSK	8	4	24.14	24.17	24.00	24.7	1
3	QPSK	8	7	24.20	24.15	24.07		
3	QPSK	15	0	24.01	24.22	23.93		
3	16QAM	1	0	24.14	24.20	24.10		
3	16QAM	1	8	24.12	24.20	24.01	24.7	1
3	16QAM	1	14	24.10	24.24	23.99		
3	16QAM	8	0	23.01	23.33	22.94		
3	16QAM	8	4	23.15	23.20	22.99	23.7	2
3	16QAM	8	7	23.13	23.19	22.98		
3	16QAM	15	0	23.09	23.21	22.99		
3	64QAM	1	0	23.05	23.33	23.04		
3	64QAM	1	8	23.08	23.26	23.04	23.7	2
3	64QAM	1	14	23.11	23.33	23.05		
3	64QAM	8	0	22.14	22.18	22.04		
3	64QAM	8	4	22.15	22.27	22.07	22.7	3
3	64QAM	8	7	22.07	22.14	22.01		
3	64QAM	15	0	22.12	22.24	22.00		
3	256QAM	1	0	20.09	20.31	20.04		
3	256QAM	1	8	20.11	20.23	20.08	20.7	5
3	256QAM	1	14	20.07	20.15	20.03		
3	256QAM	8	0	20.18	20.28	20.02		
3	256QAM	8	4	20.12	20.35	20.10	20.7	5
3	256QAM	8	7	20.10	20.24	20.03		
3	256QAM	15	0	20.01	20.27	19.97		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	24.93	24.99	24.83		
1.4	QPSK	1	3	24.74	24.99	24.76		
1.4	QPSK	1	5	24.72	24.96	24.79	25.7	0
1.4	QPSK	3	0	24.71	24.89	24.82		
1.4	QPSK	3	1	24.81	24.84	24.78		
1.4	QPSK	3	3	24.75	24.91	24.71		
1.4	QPSK	6	0	23.85	23.84	23.94	24.7	1
1.4	16QAM	1	0	23.89	23.90	23.85		
1.4	16QAM	1	3	23.81	23.97	23.91		
1.4	16QAM	1	5	23.64	24.05	23.99	24.7	1
1.4	16QAM	3	0	23.86	24.00	23.91		
1.4	16QAM	3	1	23.88	23.99	23.87		
1.4	16QAM	3	3	23.72	24.04	23.77		
1.4	16QAM	6	0	22.78	23.14	22.81	23.7	2
1.4	64QAM	1	0	22.87	23.07	22.92		
1.4	64QAM	1	3	22.86	23.03	22.84		
1.4	64QAM	1	5	22.86	23.03	22.79	23.7	2
1.4	64QAM	3	0	22.76	22.97	22.83		
1.4	64QAM	3	1	22.88	23.03	22.80		
1.4	64QAM	3	3	22.73	22.94	22.78		
1.4	64QAM	6	0	21.77	21.93	21.88	22.7	3
1.4	256QAM	1	0	19.68	20.07	19.91		
1.4	256QAM	1	3	19.75	20.00	19.71		
1.4	256QAM	1	5	19.88	20.03	19.99	20.7	5
1.4	256QAM	3	0	19.89	19.98	19.82		
1.4	256QAM	3	1	19.90	20.02	19.85		
1.4	256QAM	3	3	19.98	20.12	19.88		
1.4	256QAM	6	0	19.75	20.05	19.94	20.7	5

Band 38 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	25.16	25.35	25.11	25.7	0
20	QPSK	1	49	25.15	25.28	25.15		
20	QPSK	1	99	25.09	25.30	25.12		
20	QPSK	50	0	24.22	24.37	24.21	24.7	1
20	QPSK	50	24	24.18	24.33	24.23		
20	QPSK	50	50	24.18	24.30	24.19		
20	QPSK	100	0	24.22	24.31	24.30		
20	16QAM	1	0	24.20	24.36	24.25	24.7	1
20	16QAM	1	49	24.24	24.33	24.21		
20	16QAM	1	99	24.22	24.36	24.24		
20	16QAM	50	0	23.25	23.35	23.22	23.7	2
20	16QAM	50	24	23.23	23.35	23.28		
20	16QAM	50	50	23.21	23.38	23.28		
20	16QAM	100	0	23.27	23.39	23.20		
20	64QAM	1	0	23.23	23.30	23.23	23.7	2
20	64QAM	1	49	23.21	23.35	23.26		
20	64QAM	1	99	23.24	23.31	23.24		
20	64QAM	50	0	22.27	22.30	22.27	22.7	3
20	64QAM	50	24	22.21	22.38	22.27		
20	64QAM	50	50	22.18	22.35	22.29		
20	64QAM	100	0	22.29	22.33	22.21		
20	256QAM	1	0	20.28	20.32	20.27	20.7	5
20	256QAM	1	49	20.19	20.40	20.27		
20	256QAM	1	99	20.22	20.40	20.27		
20	256QAM	50	0	20.18	20.35	20.27	20.7	5
20	256QAM	50	24	20.28	20.32	20.27		
20	256QAM	50	50	20.26	20.34	20.30		
20	256QAM	100	0	20.26	20.37	20.23		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	25.03	25.28	24.96	25.7	0
15	QPSK	1	37	25.11	25.21	25.09		
15	QPSK	1	74	25.02	25.14	24.97		
15	QPSK	36	0	24.11	24.27	24.07	24.7	1
15	QPSK	36	20	24.04	24.24	24.12		
15	QPSK	36	39	24.04	24.22	24.13		
15	QPSK	75	0	24.11	24.25	24.24		
15	16QAM	1	0	24.06	24.23	24.12	24.7	1
15	16QAM	1	37	24.14	24.26	24.13		
15	16QAM	1	74	24.09	24.24	24.13		
15	16QAM	36	0	23.12	23.28	23.07	23.7	2
15	16QAM	36	20	23.18	23.28	23.13		
15	16QAM	36	39	23.15	23.25	23.15		
15	16QAM	75	0	23.20	23.29	23.06		
15	64QAM	1	0	23.15	23.25	23.19	23.7	2
15	64QAM	1	37	23.11	23.24	23.13		
15	64QAM	1	74	23.12	23.23	23.16		
15	64QAM	36	0	22.21	22.16	22.20	22.7	3
15	64QAM	36	20	22.13	22.32	22.18		
15	64QAM	36	39	22.09	22.21	22.25		
15	64QAM	75	0	22.20	22.27	22.14		
15	256QAM	1	0	20.22	20.28	20.16	20.7	5
15	256QAM	1	37	20.13	20.35	20.16		
15	256QAM	1	74	20.11	20.27	20.22		
15	256QAM	36	0	20.10	20.25	20.16	20.7	5
15	256QAM	36	20	20.18	20.18	20.16		
15	256QAM	36	39	20.12	20.23	20.23		
15	256QAM	75	0	20.15	20.29	20.11		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2570	2595	2615		
10	QPSK	1	0	25.02	25.21	24.97	25.7	0
10	QPSK	1	25	25.07	25.17	25.11		
10	QPSK	1	49	25.00	25.22	25.00		
10	QPSK	25	0	24.12	24.30	24.09	24.7	1
10	QPSK	25	12	24.06	24.21	24.16		
10	QPSK	25	25	24.06	24.17	24.14		
10	QPSK	50	0	24.10	24.23	24.17		
10	16QAM	1	0	24.13	24.24	24.19	24.7	1
10	16QAM	1	25	24.08	24.25	24.10		
10	16QAM	1	49	24.14	24.29	24.13		
10	16QAM	25	0	23.11	23.28	23.16	23.7	2
10	16QAM	25	12	23.13	23.19	23.14		
10	16QAM	25	25	23.08	23.26	23.19		
10	16QAM	50	0	23.17	23.25	23.08		
10	64QAM	1	0	23.14	23.15	23.12	23.7	2
10	64QAM	1	25	23.11	23.26	23.21		
10	64QAM	1	49	23.16	23.22	23.10		
10	64QAM	25	0	22.20	22.22	22.20	22.7	3
10	64QAM	25	12	22.10	22.25	22.17		
10	64QAM	25	25	22.06	22.21	22.24		
10	64QAM	50	0	22.17	22.23	22.09		
10	256QAM	1	0	20.15	20.27	20.19	20.7	5
10	256QAM	1	25	20.14	20.31	20.15		
10	256QAM	1	49	20.16	20.36	20.23		
10	256QAM	25	0	20.10	20.19	20.22	20.7	5
10	256QAM	25	12	20.21	20.22	20.20		
10	256QAM	25	25	20.10	20.30	20.21		
10	256QAM	50	0	20.19	20.29	20.08		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	25.09	25.29	25.03	25.7	0
5	QPSK	1	12	25.06	25.13	25.00		
5	QPSK	1	24	25.04	25.17	25.01		
5	QPSK	12	0	24.11	24.23	24.08	24.7	1
5	QPSK	12	7	24.13	24.28	24.14		
5	QPSK	12	13	24.13	24.24	24.08		
5	QPSK	25	0	24.11	24.25	24.16		
5	16QAM	1	0	24.08	24.22	24.20	24.7	1
5	16QAM	1	12	24.14	24.26	24.07		
5	16QAM	1	24	24.17	24.27	24.16		
5	16QAM	12	0	23.18	23.27	23.11	23.7	2
5	16QAM	12	7	23.10	23.25	23.12		
5	16QAM	12	13	23.07	23.22	23.24		
5	16QAM	25	0	23.18	23.26	23.10		
5	64QAM	1	0	23.16	23.18	23.15	23.7	2
5	64QAM	1	12	23.16	23.22	23.14		
5	64QAM	1	24	23.17	23.16	23.13		
5	64QAM	12	0	22.20	22.24	22.20	22.7	3
5	64QAM	12	7	22.14	22.26	22.14		
5	64QAM	12	13	22.04	22.24	22.15		
5	64QAM	25	0	22.16	22.26	22.16		
5	256QAM	1	0	20.23	20.26	20.12	20.7	5
5	256QAM	1	12	20.08	20.29	20.22		
5	256QAM	1	24	20.10	20.30	20.23		
5	256QAM	12	0	20.10	20.20	20.20	20.7	5
5	256QAM	12	7	20.15	20.25	20.23		
5	256QAM	12	13	20.18	20.22	20.15		
5	256QAM	25	0	20.17	20.28	20.17		

Band 41 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.95	25.07	25.10	24.93	24.95	25.7	0
20	QPSK	1	49	25.05	25.07	25.01	24.93	24.95		
20	QPSK	1	99	25.01	24.98	25.09	24.97	24.93		
20	QPSK	50	0	24.16	24.13	24.19	24.05	23.97	24.7	1
20	QPSK	50	24	24.05	24.13	24.18	23.99	23.98		
20	QPSK	50	50	24.05	24.11	24.13	24.03	24.05		
20	QPSK	100	0	24.13	24.09	24.16	23.96	23.95		
20	16QAM	1	0	24.10	24.15	24.17	24.03	24.06	24.7	1
20	16QAM	1	49	24.10	24.12	24.16	23.99	24.00		
20	16QAM	1	99	24.15	24.18	24.14	24.03	24.06		
20	16QAM	50	0	23.16	23.07	23.08	23.07	23.01	23.7	2
20	16QAM	50	24	23.11	23.15	23.09	23.05	23.06		
20	16QAM	50	50	23.14	23.13	23.19	23.06	22.97		
20	16QAM	100	0	23.16	23.09	23.20	23.02	23.02		
20	64QAM	1	0	23.10	23.16	23.13	23.02	23.03	23.7	2
20	64QAM	1	49	23.15	23.08	23.19	23.01	23.00		
20	64QAM	1	99	23.13	23.17	23.14	23.02	23.06		
20	64QAM	50	0	22.12	22.18	22.08	21.96	22.06	22.7	3
20	64QAM	50	24	22.17	22.13	22.19	22.06	21.99		
20	64QAM	50	50	22.13	22.18	22.19	22.04	22.04		
20	64QAM	100	0	22.13	22.11	22.08	21.97	22.05		
20	256QAM	1	0	20.09	20.13	20.13	19.96	20.03	20.7	5
20	256QAM	1	49	20.14	20.18	20.12	20.00	20.05		
20	256QAM	1	99	20.16	20.15	20.18	20.00	20.00		
20	256QAM	50	0	20.14	20.11	20.11	19.96	19.98	20.7	5
20	256QAM	50	24	20.14	20.07	20.14	20.07	19.98		
20	256QAM	50	50	20.17	20.13	20.12	20.01	19.98		
20	256QAM	100	0	20.16	20.15	20.13	20.07	20.00		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.90	24.97	25.04	24.85	24.84	26	0
15	QPSK	1	37	24.94	24.92	24.92	24.82	24.87		
15	QPSK	1	74	24.86	24.93	24.95	24.92	24.79		
15	QPSK	36	0	24.06	24.01	24.04	23.93	23.90	24.7	1
15	QPSK	36	20	23.98	24.06	24.10	23.95	23.88		
15	QPSK	36	39	23.99	24.02	24.05	23.95	23.90		
15	QPSK	75	0	24.07	24.05	24.05	23.83	23.83		
15	16QAM	1	0	24.00	24.03	24.07	23.91	23.97	24.7	1
15	16QAM	1	37	23.96	23.96	24.06	23.95	23.90		
15	16QAM	1	74	24.07	24.05	24.04	23.95	23.97		
15	16QAM	36	0	23.01	22.91	23.03	23.02	22.95	23.7	2
15	16QAM	36	20	23.02	23.02	22.95	22.98	22.98		
15	16QAM	36	39	23.04	23.07	23.06	22.98	22.92		
15	16QAM	75	0	23.02	23.04	23.04	22.86	22.91		
15	64QAM	1	0	23.05	23.04	23.01	22.91	22.88	23.7	2
15	64QAM	1	37	23.00	23.01	23.04	22.94	22.90		
15	64QAM	1	74	22.99	23.03	23.06	22.93	22.99		
15	64QAM	36	0	21.97	22.05	22.03	21.81	21.93	22.7	3
15	64QAM	36	20	22.05	21.98	22.11	21.94	21.94		
15	64QAM	36	39	22.02	22.03	22.14	21.92	21.93		
15	64QAM	75	0	22.07	22.01	21.98	21.85	21.94		
15	256QAM	1	0	20.04	20.06	20.02	19.86	19.95	20.7	5
15	256QAM	1	37	20.01	20.10	19.98	19.89	19.98		
15	256QAM	1	74	20.00	20.03	20.11	19.90	19.88		
15	256QAM	36	0	20.02	20.04	20.05	19.90	19.89	20.7	5
15	256QAM	36	20	20.07	19.93	20.05	19.98	19.91		
15	256QAM	36	39	20.05	19.98	19.99	19.93	19.90		
15	256QAM	75	0	20.06	20.07	20.01	20.02	19.89		
Channel				39700	40150	40600	41050	41500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.86	25.03	24.97	24.86	24.83	26	0
10	QPSK	1	25	24.99	24.94	24.93	24.80	24.84		
10	QPSK	1	49	24.87	24.89	24.94	24.85	24.88		
10	QPSK	25	0	24.04	24.02	24.09	23.94	23.85	24.7	1
10	QPSK	25	12	23.90	23.97	24.07	23.86	23.85		
10	QPSK	25	25	23.99	24.02	24.02	23.88	23.96		
10	QPSK	50	0	24.05	23.94	24.02	23.91	23.82		
10	16QAM	1	0	24.00	24.07	24.03	23.98	23.94	24.7	1
10	16QAM	1	25	24.02	24.08	24.09	23.83	23.91		
10	16QAM	1	49	24.01	24.04	24.10	23.96	23.99		
10	16QAM	25	0	23.11	23.02	23.03	22.99	22.93	23.7	2
10	16QAM	25	12	23.03	23.01	22.96	22.96	22.95		
10	16QAM	25	25	22.99	23.00	23.12	22.97	22.85		
10	16QAM	50	0	23.02	23.03	23.07	22.89	22.91		
10	64QAM	1	0	23.02	23.07	23.00	22.92	22.89	23.7	2
10	64QAM	1	25	23.10	22.97	23.06	22.90	22.93		
10	64QAM	1	49	23.09	23.08	23.05	22.91	22.99		
10	64QAM	25	0	21.97	22.11	22.02	21.91	21.96	22.7	3
10	64QAM	25	12	22.12	21.98	22.17	22.00	21.92		
10	64QAM	25	25	22.05	22.09	22.09	21.98	21.91		
10	64QAM	50	0	22.03	22.03	22.04	21.85	21.92		
10	256QAM	1	0	20.00	20.09	20.05	19.82	19.93	20.7	5
10	256QAM	1	25	20.07	20.10	20.00	19.87	19.94		
10	256QAM	1	49	20.08	19.99	20.08	19.91	19.91		
10	256QAM	25	0	20.02	20.03	19.98	19.84	19.93	20.7	5
10	256QAM	25	12	20.10	19.98	20.06	19.98	19.84		
10	256QAM	25	25	20.11	20.05	20.04	19.93	19.84		
10	256QAM	50	0	20.11	20.01	19.98	19.94	19.96		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.83	24.94	25.05	24.80	24.91	26	0
5	QPSK	1	12	24.98	24.92	24.91	24.79	24.80		
5	QPSK	1	24	24.88	24.89	24.98	24.91	24.86		
5	QPSK	12	0	24.07	24.00	24.10	23.97	23.84	24.7	1
5	QPSK	12	7	23.92	24.02	24.13	23.87	23.88		
5	QPSK	12	13	24.00	24.04	24.08	23.98	23.92		
5	QPSK	25	0	24.05	23.98	24.04	23.91	23.85		
5	16QAM	1	0	23.98	24.03	24.09	23.98	24.00	24.7	1
5	16QAM	1	12	23.95	23.96	24.01	23.93	23.93		
5	16QAM	1	24	24.07	24.09	24.09	23.92	24.00		
5	16QAM	12	0	23.06	22.93	22.97	22.95	22.89	23.7	2
5	16QAM	12	7	23.03	23.08	22.96	22.92	22.98		
5	16QAM	12	13	23.10	23.02	23.12	23.00	22.86		
5	16QAM	25	0	23.07	23.04	23.10	22.95	22.92		
5	64QAM	1	0	22.94	23.06	22.99	22.96	22.94	23.7	2
5	64QAM	1	12	23.07	23.01	23.09	22.97	22.85		
5	64QAM	1	24	23.08	23.05	23.01	22.97	23.01		
5	64QAM	12	0	22.01	22.07	21.96	21.90	22.00	22.7	3
5	64QAM	12	7	22.13	22.03	22.04	22.01	21.85		
5	64QAM	12	13	22.08	22.04	22.14	21.89	21.98		
5	64QAM	25	0	21.97	22.06	21.93	21.87	21.92		
5	256QAM	1	0	20.00	20.00	19.97	19.83	19.98	20.7	5
5	256QAM	1	12	20.05	20.03	20.03	19.86	19.98		
5	256QAM	1	24	20.06	20.03	20.13	19.89	19.85		
5	256QAM	12	0	20.06	20.00	20.02	19.83	19.83	20.7	5
5	256QAM	12	7	20.09	20.02	19.99	19.97	19.92		
5	256QAM	12	13	20.08	19.98	19.98	19.92	19.84		
5	256QAM	25	0	20.08	20.04	19.98	20.01	19.91		

Band 42 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	24.92	25.12	24.89	26	0
20	QPSK	1	49	24.95	25.10	24.87		
20	QPSK	1	99	24.95	25.04	24.90		
20	QPSK	50	0	24.07	24.19	24.08	25	1
20	QPSK	50	24	24.07	24.15	24.08		
20	QPSK	50	50	24.02	24.18	23.97		
20	QPSK	100	0	24.08	24.14	24.05		
20	16QAM	1	0	24.05	24.21	24.06	25	1
20	16QAM	1	49	24.00	24.17	24.08		
20	16QAM	1	99	24.10	24.16	24.01		
20	16QAM	50	0	23.05	23.15	23.05	24	2
20	16QAM	50	24	23.00	23.12	22.99		
20	16QAM	50	50	22.99	23.18	23.04		
20	16QAM	100	0	23.09	23.22	23.03		
20	64QAM	1	0	22.99	23.19	23.03	24	2
20	64QAM	1	49	23.08	23.14	22.98		
20	64QAM	1	99	23.10	23.17	23.06		
20	64QAM	50	0	22.09	22.16	21.98	23	3
20	64QAM	50	24	22.03	22.10	22.04		
20	64QAM	50	50	22.00	22.14	22.04		
20	64QAM	100	0	22.02	22.17	22.02		
20	256QAM	1	0	20.05	20.15	20.02	21	5
20	256QAM	1	49	20.04	20.14	20.08		
20	256QAM	1	99	20.06	20.15	20.09		
20	256QAM	50	0	20.08	20.18	19.97	21	5
20	256QAM	50	24	20.02	20.14	20.01		
20	256QAM	50	50	20.06	20.16	20.08		
20	256QAM	100	0	20.03	20.21	20.00		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	24.76	25.03	24.80	26	0
15	QPSK	1	37	24.87	25.01	24.80		
15	QPSK	1	74	24.90	24.91	24.75		
15	QPSK	36	0	23.93	24.06	23.95	25	1
15	QPSK	36	20	23.92	24.00	23.93		
15	QPSK	36	39	23.98	24.12	23.87		
15	QPSK	75	0	23.97	24.10	23.89		
15	16QAM	1	0	23.92	24.05	23.99	25	1
15	16QAM	1	37	23.85	24.05	23.93		
15	16QAM	1	74	23.95	24.02	23.88		
15	16QAM	36	0	22.96	23.10	22.96	24	2
15	16QAM	36	20	22.93	22.98	22.95		
15	16QAM	36	39	22.93	23.08	22.94		
15	16QAM	75	0	23.00	23.15	22.92		
15	64QAM	1	0	22.85	23.07	22.96	24	2
15	64QAM	1	37	22.97	23.04	22.87		
15	64QAM	1	74	23.02	23.06	22.91		
15	64QAM	36	0	21.93	22.06	21.91	23	3
15	64QAM	36	20	21.92	22.00	21.92		
15	64QAM	36	39	21.91	22.09	21.98		
15	64QAM	75	0	21.89	22.03	21.96		
15	256QAM	1	0	19.90	20.02	19.88	21	5
15	256QAM	1	37	19.94	20.07	20.02		
15	256QAM	1	74	19.92	20.00	20.04		
15	256QAM	36	0	19.94	20.12	19.84	21	5
15	256QAM	36	20	19.92	20.05	19.95		
15	256QAM	36	39	19.92	20.04	19.93		
15	256QAM	75	0	19.89	20.12	19.96		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	24.85	25.07	24.73	26	0
10	QPSK	1	25	24.82	24.96	24.78		
10	QPSK	1	49	24.80	24.99	24.82		
10	QPSK	25	0	23.92	24.04	24.01	25	1
10	QPSK	25	12	24.01	24.01	23.86		
10	QPSK	25	25	23.89	24.13	23.83		
10	QPSK	50	0	24.04	24.03	23.90		
10	16QAM	1	0	23.96	24.12	24.00	25	1
10	16QAM	1	25	23.85	24.11	23.99		
10	16QAM	1	49	24.02	24.10	23.91		
10	16QAM	25	0	22.92	23.04	22.92	24	2
10	16QAM	25	12	22.92	23.07	22.94		
10	16QAM	25	25	22.89	23.05	22.93		
10	16QAM	50	0	22.95	23.12	22.97		
10	64QAM	1	0	22.84	23.04	22.88	24	2
10	64QAM	1	25	23.00	23.02	22.85		
10	64QAM	1	49	23.06	23.11	22.91		
10	64QAM	25	0	21.96	22.00	21.86	23	3
10	64QAM	25	12	21.91	21.98	21.90		
10	64QAM	25	25	21.86	22.08	21.96		
10	64QAM	50	0	21.93	22.11	21.95		
10	256QAM	1	0	19.91	20.09	19.89	21	5
10	256QAM	1	25	19.94	20.00	20.02		
10	256QAM	1	49	19.96	20.10	20.02		
10	256QAM	25	0	19.96	20.04	19.87	21	5
10	256QAM	25	12	19.97	20.08	19.87		
10	256QAM	25	25	19.95	20.04	19.93		
10	256QAM	50	0	19.96	20.13	19.85		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	24.85	25.04	24.84	26	0
5	QPSK	1	12	24.83	24.94	24.74		
5	QPSK	1	24	24.81	24.98	24.83		
5	QPSK	12	0	24.02	24.09	23.92	25	1
5	QPSK	12	7	24.03	24.04	23.87		
5	QPSK	12	13	23.90	24.09	23.85		
5	QPSK	25	0	24.00	24.03	23.96		
5	16QAM	1	0	23.97	24.17	24.01

GSM1900 Ant4 Default

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.08	26.92	27.01	28.50	18.08	17.92	18.01	19.50
GPRS 1 Tx slot	27.11	27.00	27.08	28.50	18.11	18.00	18.08	19.50
GPRS 2 Tx slots	23.89	24.10	23.75	25.50	17.89	18.10	17.75	19.50
GPRS 3 Tx slots	22.10	22.17	21.87	23.70	17.84	17.91	17.61	19.44
GPRS 4 Tx slots	20.63	20.74	20.58	22.50	17.63	17.74	17.58	19.50
EDGE 1 Tx slot	23.25	23.23	23.27	25.20	14.25	14.23	14.27	16.20
EDGE 2 Tx slots	20.57	20.52	20.35	22.20	14.57	14.52	14.35	16.20
EDGE 3 Tx slots	18.78	18.97	18.74	20.40	14.52	14.71	14.48	16.14
EDGE 4 Tx slots	17.25	17.31	17.22	19.20	14.25	14.31	14.22	16.20

WCDMA II Ant4 Default

WCDMA IV Ant4 Default

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.53	20.80	20.76	22.20	20.00	20.29	20.27	21.90
3GPP Rel 99	RMC 12.2Kbps	20.66	20.88	20.85	22.20	20.17	20.38	20.33	21.90
3GPP Rel 6	HSDPA Subtest-1	19.67	19.86	19.84	21.20	19.18	19.39	19.37	20.90
3GPP Rel 6	HSDPA Subtest-2	19.66	19.91	19.83	21.20	19.14	19.40	19.36	20.90
3GPP Rel 6	HSDPA Subtest-3	19.17	19.40	19.35	20.70	18.68	18.91	18.84	20.40
3GPP Rel 6	HSDPA Subtest-4	19.16	19.40	19.33	20.70	18.67	18.93	18.84	20.40
3GPP Rel 8	DC-HSDPA Subtest-1	19.68	19.89	19.84	21.20	19.15	19.41	19.35	20.90
3GPP Rel 8	DC-HSDPA Subtest-2	19.65	19.90	19.87	21.20	19.12	19.41	19.39	20.90
3GPP Rel 8	DC-HSDPA Subtest-3	19.16	19.38	19.35	20.70	18.68	18.90	18.85	20.40
3GPP Rel 8	DC-HSDPA Subtest-4	19.15	19.37	19.35	20.70	18.67	18.84	18.87	20.40
3GPP Rel 6	HSUPA Subtest-1	19.66	19.88	19.87	21.20	19.18	19.38	19.38	20.90
3GPP Rel 6	HSUPA Subtest-2	17.68	17.88	17.83	19.20	17.20	17.36	17.32	18.90
3GPP Rel 6	HSUPA Subtest-3	18.66	18.89	18.88	20.20	18.15	18.42	18.39	19.90
3GPP Rel 6	HSUPA Subtest-4	17.67	17.91	17.82	19.20	17.14	17.41	17.32	18.90
3GPP Rel 6	HSUPA Subtest-5	19.65	19.91	19.87	21.20	19.13	19.39	19.38	20.90
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.19	17.35	17.38	18.70	16.70	16.84	16.91	18.40

Band 2 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	21.08	21.17	21.07	22.7	0
20	QPSK	1	49	21.05	21.13	21.06		
20	QPSK	50	0	21.06	21.25	21.04		
20	QPSK	50	0	20.13	20.31	20.15		
20	QPSK	50	24	20.16	20.23	20.13	21.7	1
20	QPSK	50	50	20.16	20.27	20.15		
20	QPSK	100	0	20.14	20.27	20.16		
20	16QAM	1	0	20.16	20.21	20.14		
20	16QAM	1	49	20.13	20.23	20.17	21.7	1
20	16QAM	1	99	20.13	20.25	20.15		
20	16QAM	50	0	19.15	19.25	19.18		
20	16QAM	50	24	19.19	19.23	19.17	20.7	2
20	16QAM	50	50	19.15	19.22	19.14		
20	16QAM	100	0	19.18	19.24	19.15		
20	64QAM	1	0	19.14	19.23	19.16		
20	64QAM	1	49	19.14	19.26	19.17	20.7	2
20	64QAM	1	99	19.16	19.22	19.18		
20	64QAM	50	0	18.18	18.25	18.16		
20	64QAM	50	24	18.14	18.25	18.14	19.7	3
20	64QAM	50	50	18.14	18.26	18.16		
20	64QAM	100	0	18.16	18.24	18.12		
20	256QAM	1	0	16.17	16.26	16.17		
20	256QAM	1	49	16.17	16.21	16.14	17.7	5
20	256QAM	1	99	16.14	16.26	16.13		
20	256QAM	50	0	16.19	16.22	16.13		
20	256QAM	50	24	16.19	16.22	16.18	17.7	5
20	256QAM	50	50	16.16	16.26	16.16		
20	256QAM	100	0	16.15	16.24	16.17		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	21.00	21.02	20.97	22.7	0
15	QPSK	1	37	20.91	21.08	20.95		
15	QPSK	1	74	20.95	21.01	20.97		
15	QPSK	36	0	20.09	20.18	20.02	21.7	1
15	QPSK	36	20	20.03	20.17	20.08		
15	QPSK	36	39	20.06	20.14	20.00		
15	QPSK	75	0	20.08	20.15	20.01		
15	16QAM	1	0	20.11	20.12	20.04	21.7	1
15	16QAM	1	37	20.07	20.18	20.03		
15	16QAM	1	74	20.06	20.16	20.09		
15	16QAM	36	0	19.05	19.15	19.14		
15	16QAM	36	20	19.14	19.07	19.02	20.7	2
15	16QAM	36	39	19.06	19.09	19.02		
15	16QAM	75	0	19.06	19.19	19.01		
15	64QAM	1	0	19.06	19.17	19.09		
15	64QAM	1	37	19.01	19.15	19.13	20.7	2
15	64QAM	1	74	19.11	19.17	19.04		
15	64QAM	36	0	18.06	18.16	18.03		
15	64QAM	36	20	18.02	18.11	18.05	19.7	3
15	64QAM	36	39	18.07	18.16	18.03		
15	64QAM	75	0	18.03	18.14	17.97		
15	256QAM	1	0	16.07	16.10	16.02		
15	256QAM	1	37	16.10	16.07	16.10	17.7	5
15	256QAM	1	74	16.05	16.19	16.04		
15	256QAM	36	0	16.07	16.13	16.09		
15	256QAM	36	20	16.12	16.16	16.09	17.7	5
15	256QAM	36	39	16.02	16.14	16.04		
15	256QAM	75	0	16.02	16.18	16.06		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	20.94	21.02	21.00	22.7	0
10	QPSK	1	25	20.96	20.98	20.98		
10	QPSK	1	49	20.95	21.06	20.92		
10	QPSK	25	0	20.07	20.09	20.08	21.7	1
10	QPSK	25	12	20.11	20.08	20.09		
10	QPSK	25	25	20.01	20.21	20.05		
10	QPSK	50	0	20.07	20.17	20.10		
10	16QAM	1	0	20.06	20.07	19.99		
10	16QAM	1	25	19.99	20.16	20.07	21.7	1
10	16QAM	1	49	20.06	20.17	20.06		
10	16QAM	25	0	19.00	19.13	19.05		
10	16QAM	25	12	19.10	19.11	19.02	20.7	2
10	16QAM	25	25	19.09	19.08	19.04		
10	16QAM	50	0	19.10	19.14	19.06		
10	64QAM	1	0	19.04	19.11	19.12		
10	64QAM	1	25	18.98	19.18	19.03	20.7	2
10	64QAM	1	49	19.04	19.09	19.06		
10	64QAM	25	0	18.13	18.14	18.02		
10	64QAM	25	12	18.07	18.12	18.05	19.7	3
10	64QAM	25	25	18.00	18.13	18.06		
10	64QAM	50	0	18.10	18.18	18.00		
10	256QAM	1	0	16.06	16.19	16.06		
10	256QAM	1	25	16.03	16.13	16.09	17.7	5
10	256QAM	1	49	16.01	16.12	15.97		
10	256QAM	25	0	16.13	16.13	15.97		
10	256QAM	25	12	16.09	16.07	16.06	17.7	5
10	256QAM	25	25	16.04	16.21	16.00		
10	256QAM	50	0	16.02	16.10	16.08		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	20.95	21.05	20.99	22.7	0
5	QPSK	1	12	20.90	21.09	20.93		
5	QPSK	1	24	20.94	21.04	20.88		
5	QPSK	12	0	20.06	20.11	20.08	21.7	1
5	QPSK	12	7	20.04	20.18	20.02		
5	QPSK	12	13	20.04	20.21	20.01		
5	QPSK	25	0	20.08	20.12	20.04		
5	16QAM	1	0	20.04	20.08	19.99	21.7	1
5	16QAM	1	12	20.01	20.14	20.10		
5	16QAM	1	24	20.00	20.16	20.07		
5	16QAM	12	0	19.11	19.14	19.05	20.7	2
5	16QAM	12	7	19.07	19.15	19.02		
5	16QAM	12	13	19.10	19.17	19.08		
5	16QAM	25	0	19.07	19.18	19.03		
5	64QAM	1	0	19.00	19.18	19.08	20.7	2
5	64QAM	1	12	19.00	19.12	19.08		
5	64QAM	1	24	19.03	19.14	19.04		
5	64QAM	12	0	18.07	18.12	18.06	19.7	3
5	64QAM	12	7	18.03	18.19	17.99		
5	64QAM	12	13	18.01	18.13	18.05		
5	64QAM	25	0	18.08	18.10	18.02		
5	256QAM	1	0	16.11	16.11	16.12	17.7	5
5	256QAM	1	12	16.06	16.10	16.07		
5	256QAM	1	24	16.05	16.12	16.01		
5	256QAM	12	0	16.05	16.18	16.05	17.7	5
5	256QAM	12	7	16.14	16.18	16.13		
5	256QAM	12	13	16.06	16.13	16.10		
5	256QAM	25	0	15.99	16.13	16.07		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	20.99	21.11	20.97	22.7	0
3	QPSK	1	8	20.92	21.08	20.99		
3	QPSK	1	14	20.95	20.99	20.91		
3	QPSK	8	0	20.03	20.17	20.00	21.7	1
3	QPSK	8	4	20.08	20.15	20.01		
3	QPSK	8	7	20.07	20.11	20.07		
3	QPSK	15	0	20.00	20.15	20.02		
3	16QAM	1	0	20.02	20.17	20.00	21.7	1
3	16QAM	1	8	20.07	20.07	20.03		
3	16QAM	1	14	20.01	20.21	20.04		
3	16QAM	8	0	19.10	19.18	19.07	20.7	2
3	16QAM	8	4	19.09	19.13	19.11		
3	16QAM	8	7	19.08	19.15	19.03		
3	16QAM	15	0	19.06	19.11	19.00		
3	64QAM	1	0	19.01	19.09	19.07	20.7	2
3	64QAM	1	8	19.05	19.17	19.05		
3	64QAM	1	14	19.02	19.13	19.09		
3	64QAM	8	0	18.07	18.16	18.08	19.7	3
3	64QAM	8	4	18.05	18.20	17.99		
3	64QAM	8	7	18.06	18.20	18.10		
3	64QAM	15	0	18.05	18.17	18.01		
3	256QAM	1	0	16.03	16.13	16.12	17.7	5
3	256QAM	1	8	16.05	16.11	16.02		
3	256QAM	1	14	16.01	16.13	15.98		
3	256QAM	8	0	16.09	16.11	16.09	17.7	5
3	256QAM	8	4	16.04	16.15	16.06		
3	256QAM	8	7	16.11	16.16	16.06		
3	256QAM	15	0	16.07	16.09	16.10		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.85	20.93	20.96	22.7	0
1.4	QPSK	1	3	20.92	20.88	20.88		
1.4	QPSK	1	5	20.85	20.89	20.87		
1.4	QPSK	3	0	20.87	20.89	20.87		
1.4	QPSK	3	1	20.92	20.97	20.88		
1.4	QPSK	3	3	20.89	20.94	20.92		
1.4	QPSK	6	0	19.98	20.07	20.03	21.7	1
1.4	16QAM	1	0	19.95	20.08	20.03	21.7	1
1.4	16QAM	1	3	19.97	19.97	20.05		
1.4	16QAM	1	5	19.96	19.99	20.04		
1.4	16QAM	3	0	19.99	20.03	19.97		
1.4	16QAM	3	1	19.96	20.03	20.07		
1.4	16QAM	3	3	20.04	20.03	20.08		
1.4	16QAM	6	0	19.02	19.07	19.06	20.7	2
1.4	64QAM	1	0	19.01	19.06	19.02	20.7	2
1.4	64QAM	1	3	19.01	19.05	19.06		
1.4	64QAM	1	5	19.05	18.97	19.02		
1.4	64QAM	3	0	19.00	18.99	18.98		
1.4	64QAM	3	1	18.97	19.02	19.08		
1.4	64QAM	3	3	18.95	19.01	19.08		
1.4	64QAM	6	0	17.97	18.01	18.03	19.7	3
1.4	256QAM	1	0	15.99	16.05	16.00	17.7	5
1.4	256QAM	1	3	16.04	15.98	15.99		
1.4	256QAM	1	5	15.96	16.01	16.02		
1.4	256QAM	3	0	16.04	16.05	16.07		
1.4	256QAM	3	1	16.05	16.09	16.06		
1.4	256QAM	3	3	15.99	16.06	16.08		
1.4	256QAM	6	0	16.05	15.97	16.02	17.7	5

Band 4 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.76	21.79	21.72	22.9	0
20	QPSK	1	49	21.63	21.74	21.67		
20	QPSK	50	0	21.63	21.76	21.61		
20	QPSK	50	0	20.78	20.81	20.67		
20	QPSK	50	24	20.59	20.76	20.68	21.9	1
20	QPSK	50	50	20.61	20.68	20.65		
20	QPSK	100	0	20.75	20.78	20.73		
20	16QAM	1	0	20.81	20.75	20.75		
20	16QAM	1	49	20.69	20.72	20.67	21.9	1
20	16QAM	1	99	20.68	20.73	20.58		
20	16QAM	50	0	19.78	19.75	19.64		
20	16QAM	50	24	19.63	19.74	19.70	20.9	2
20	16QAM	50	50	19.66	19.69	19.67		
20	16QAM	100	0	19.72	19.73	19.68		
20	64QAM	1	0	19.78	19.73	19.72		
20	64QAM	1	49	19.64	19.77	19.62	20.9	2
20	64QAM	1	99	19.73	19.73	19.55		
20	64QAM	50	0	18.82	18.85	18.70		
20	64QAM	50	24	18.64	18.72	18.70	19.9	3
20	64QAM	50	50	18.65	18.69	18.63		
20	64QAM	100	0	18.74	18.82	18.77		
20	256QAM	1	0	16.78	16.76	16.71		
20	256QAM	1	49	16.57	16.80	16.72	17.9	5
20	256QAM	1	99	16.67	16.69	16.66		
20	256QAM	50	0	16.71	16.75	16.67		
20	256QAM	50	24	16.76	16.76	16.73	17.9	5
20	256QAM	50	50	16.64	16.66	16.67		
20	256QAM	100	0	16.70	16.75	16.59		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.71	21.70	21.69	22.9	0
15	QPSK	1	37	21.66	21.65	21.72		
15	QPSK	1	74	21.60	21.59	21.58		
15	QPSK	36	0	20.68	20.79	20.64	21.9	1
15	QPSK	36	20	20.52	20.66	20.65		
15	QPSK	36	39	20.52	20.54	20.58		
15	QPSK	75	0	20.62	20.74	20.65		
15	16QAM	1	0	20.79	20.65	20.63	21.9	1
15	16QAM	1	37	20.61	20.59	20.56		
15	16QAM	1	74	20.56	20.61	20.46		
15	16QAM	36	0	19.66	19.71	19.61		
15	16QAM	36	20	19.51	19.62	19.63	20.9	2
15	16QAM	36	39	19.61	19.60	19.62		
15	16QAM	75	0	19.67	19.65	19.56		
15	64QAM	1	0	19.74	19.69	19.59		
15	64QAM	1	37	19.51	19.66	19.58	20.9	2
15	64QAM	1	74	19.65	19.61	19.44		
15	64QAM	36	0	18.73	18.76	18.64		
15	64QAM	36	20	18.56	18.58	18.63	19.9	3
15	64QAM	36	39	18.51	18.60	18.57		
15	64QAM	75	0	18.64	18.73	18.66		
15	256QAM	1	0	16.67	16.74	16.60		
15	256QAM	1	37	16.59	16.60	16.62	17.9	5
15	256QAM	1	74	16.60	16.62	16.62		
15	256QAM	36	0	16.63	16.69	16.55		
15	256QAM	36	20	16.64	16.65	16.66	17.9	5
15	256QAM	36	39	16.58	16.56	16.59		
15	256QAM	75	0	16.56	16.63	16.51		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.72	21.75	21.61	22.9	0
10	QPSK	1	25	21.57	21.72	21.62		
10	QPSK	1	49	21.52	21.59	21.53		
10	QPSK	25	0	20.70	20.69	20.63	21.9	1
10	QPSK	25	12	20.51	20.71	20.61		
10	QPSK	25	25	20.59	20.64	20.60		
10	QPSK	50	0	20.70	20.64	20.65		
10	16QAM	1	0	20.69	20.69	20.73		
10	16QAM	1	25	20.62	20.63	20.54	21.9	1
10	16QAM	1	49	20.63	20.73	20.54		
10	16QAM	25	0	19.68	19.64	19.54		
10	16QAM	25	12	19.54	19.72	19.63	20.9	2
10	16QAM	25	25	19.57	19.57	19.62		
10	16QAM	50	0	19.67	19.67	19.63		
10	64QAM	1	0	19.75	19.69	19.66		
10	64QAM	1	25	19.57	19.64	19.50	20.9	2
10	64QAM	1	49	19.62	19.64	19.48		
10	64QAM	25	0	18.69	18.77	18.58		
10	64QAM	25	12	18.57	18.64	18.62	19.9	3
10	64QAM	25	25	18.58	18.63	18.57		
10	64QAM	50	0	18.62	18.70	18.64		
10	256QAM	1	0	16.70	16.67	16.65		
10	256QAM	1	25	16.53	16.71	16.69	17.9	5
10	256QAM	1	49	16.57	16.64	16.59		
10	256QAM	25	0	16.65	16.73	16.54		
10	256QAM	25	12	16.66	16.71	16.67	17.9	5
10	256QAM	25	25	16.56	16.59	16.55		
10	256QAM	50	0	16.61	16.66	16.54		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	21.71	21.73	21.59	22.9	0
5	QPSK	1	12	21.52	21.63	21.55		
5	QPSK	1	24	21.56	21.64	21.50		
5	QPSK	12	0	20.73	20.73	20.58	21.9	1
5	QPSK	12	7	20.50	20.66	20.56		
5	QPSK	12	13	20.49	20.57	20.63		
5	QPSK	25	0	20.70	20.69	20.64		
5	16QAM	1	0	20.67	20.70	20.61	21.9	1
5	16QAM	1	12	20.58	20.67	20.59		
5	16QAM	1	24	20.55	20.69	20.52		
5	16QAM	12	0	19.66	19.63	19.59	20.9	2
5	16QAM	12	7	19.52	19.69	19.64		
5	16QAM	12	13	19.59	19.65	19.58		
5	16QAM	25	0	19.62	19.70	19.61		
5	64QAM	1	0	19.74	19.65	19.63	20.9	2
5	64QAM	1	12	19.62	19.68	19.50		
5	64QAM	1	24	19.68	19.62	19.44		
5	64QAM	12	0	18.72	18.79	18.68	19.9	3
5	64QAM	12	7	18.50	18.67	18.66		
5	64QAM	12	13	18.53	18.60	18.54		
5	64QAM	25	0	18.68	18.69	18.70		
5	256QAM	1	0	16.75	16.68	16.59	17.9	5
5	256QAM	1	12	16.52	16.71	16.60		
5	256QAM	1	24	16.63	16.55	16.53		
5	256QAM	12	0	16.64	16.61	16.62	17.9	5
5	256QAM	12	7	16.69	16.69	16.67		
5	256QAM	12	13	16.51	16.58	16.62		
5	256QAM	25	0	16.62	16.64	16.52		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.72	21.72	21.67	22.9	0
3	QPSK	1	8	21.55	21.64	21.54		
3	QPSK	1	14	21.59	21.68	21.58		
3	QPSK	8	0	20.68	20.77	20.59	21.9	1
3	QPSK	8	4	20.51	20.72	20.60		
3	QPSK	8	7	20.54	20.60	20.52		
3	QPSK	15	0	20.71	20.72	20.62		
3	16QAM	1	0	20.77	20.72	20.68		
3	16QAM	1	8	20.62	20.62	20.60	21.9	1
3	16QAM	1	14	20.57	20.70	20.55		
3	16QAM	8	0	19.75	19.65	19.58		
3	16QAM	8	4	19.61	19.69	19.57	20.9	2
3	16QAM	8	7	19.53	19.63	19.60		
3	16QAM	15	0	19.61	19.69	19.65		
3	64QAM	1	0	19.66	19.69	19.62		
3	64QAM	1	8	19.57	19.68	19.53	20.9	2
3	64QAM	1	14	19.61	19.71	19.50		
3	64QAM	8	0	18.80	18.78	18.57		
3	64QAM	8	4	18.53	18.61	18.62	19.9	3
3	64QAM	8	7	18.61	18.56	18.56		
3	64QAM	15	0	18.62	18.68	18.68		
3	256QAM	1	0	16.66	16.69	16.67	17.9	5
3	256QAM	1	8	16.47	16.67	16.67		
3	256QAM	1	14	16.54	16.58	16.53		
3	256QAM	8	0	16.62	16.64	16.61		
3	256QAM	8	4	16.67	16.66	16.67	17.9	5
3	256QAM	8	7	16.52	16.64	16.63		
3	256QAM	15	0	16.66	16.66	16.45		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.72	21.76	21.66	22.9	0
1.4	QPSK	1	3	21.52	21.64	21.54		
1.4	QPSK	1	5	21.61	21.66	21.59		
1.4	QPSK	3	0	21.61	21.70	21.53		
1.4	QPSK	3	1	21.43	21.54	21.43		
1.4	QPSK	3	3	21.50	21.62	21.56		
1.4	QPSK	6	0	20.72	20.69	20.61	21.9	1
1.4	16QAM	1	0	20.76	20.63	20.72	21.9	1
1.4	16QAM	1	3	20.66	20.63	20.60		
1.4	16QAM	1	5	20.62	20.60	20.47		
1.4	16QAM	3	0	20.68	20.63	20.55		
1.4	16QAM	3	1	20.72	20.57	20.65		
1.4	16QAM	3	3	20.61	20.55	20.53		
1.4	16QAM	6	0	19.63	19.62	19.60	20.9	2
1.4	64QAM	1	0	19.67	19.68	19.64	20.9	2
1.4	64QAM	1	3	19.56	19.75	19.51		
1.4	64QAM	1	5	19.63	19.68	19.43		
1.4	64QAM	3	0	19.55	19.52	19.47		
1.4	64QAM	3	1	19.53	19.60	19.61		
1.4	64QAM	3	3	19.48	19.72	19.48		
1.4	64QAM	6	0	18.60	18.72	18.66	19.9	3
1.4	256QAM	1	0	16.67	16.70	16.59	17.9	5
1.4	256QAM	1	3	16.50	16.67	16.61		
1.4	256QAM	1	5	16.61	16.62	16.55		
1.4	256QAM	3	0	16.57	16.63	16.56		
1.4	256QAM	3	1	16.70	16.70	16.70		
1.4	256QAM	3	3	16.53	16.52	16.62		
1.4	256QAM	6	0	16.67	16.66	16.50	17.9	5

Band 7 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.11	23.17	23.09	24.4	0
20	QPSK	1	49	22.99	23.13	22.98		
20	QPSK	50	0	23.03	23.09	23.04		
20	QPSK	50	0	22.17	22.23	22.09		
20	QPSK	50	24	21.99	22.07	21.93	23.4	1
20	QPSK	50	50	22.04	22.12	22.02		
20	QPSK	100	0	22.12	22.22	22.11		
20	16QAM	1	0	22.06	22.19	22.03		
20	16QAM	1	49	21.99

Band 66 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	21.80	21.87	21.83		
20	QPSK	1	49	21.72	21.83	21.79	23	0
20	QPSK	1	99	21.76	21.81	21.79		
20	QPSK	50	0	20.81	20.89	20.86		
20	QPSK	50	24	20.74	20.88	20.80	22	1
20	QPSK	50	50	20.72	20.83	20.84		
20	QPSK	100	0	20.83	20.87	20.81		
20	16QAM	1	0	20.78	20.84	20.88		
20	16QAM	1	49	20.72	20.77	20.81	22	1
20	16QAM	1	99	20.75	20.81	20.84		
20	16QAM	50	0	19.80	19.86	19.91		
20	16QAM	50	24	19.71	19.89	19.75	21	2
20	16QAM	50	50	19.74	19.79	19.80		
20	16QAM	100	0	19.78	19.89	19.83		
20	64QAM	1	0	19.77	19.85	19.93		
20	64QAM	1	49	19.72	19.72	19.84	21	2
20	64QAM	1	99	19.69	19.77	19.87		
20	64QAM	50	0	18.86	18.91	18.80		
20	64QAM	50	24	18.70	18.85	18.79	20	3
20	64QAM	50	50	18.74	18.81	18.79		
20	64QAM	100	0	18.84	18.88	18.81		
20	256QAM	1	0	16.77	16.88	16.83		
20	256QAM	1	49	16.79	16.85	16.78	18	5
20	256QAM	1	99	16.70	16.83	16.88		
20	256QAM	50	0	16.80	16.85	16.82		
20	256QAM	50	24	16.77	16.79	16.82	18	5
20	256QAM	50	50	16.72	16.82	16.77		
20	256QAM	100	0	16.75	16.83	16.83		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.72	21.83	21.77		
15	QPSK	1	37	21.63	21.77	21.70	23	0
15	QPSK	1	74	21.71	21.76	21.74		
15	QPSK	36	0	20.76	20.79	20.83		
15	QPSK	36	20	20.64	20.85	20.77	22	1
15	QPSK	36	39	20.66	20.73	20.73		
15	QPSK	75	0	20.70	20.84	20.75		
15	16QAM	1	0	20.70	20.75	20.78		
15	16QAM	1	37	20.58	20.64	20.78	22	1
15	16QAM	1	74	20.63	20.70	20.72		
15	16QAM	36	0	19.71	19.75	19.83		
15	16QAM	36	20	19.68	19.86	19.67	21	2
15	16QAM	36	39	19.62	19.72	19.72		
15	16QAM	75	0	19.76	19.76	19.78		
15	64QAM	1	0	19.67	19.82	19.83		
15	64QAM	1	37	19.69	19.70	19.74	21	2
15	64QAM	1	74	19.61	19.63	19.78		
15	64QAM	36	0	18.75	18.86	18.69		
15	64QAM	36	20	18.62	18.77	18.74	20	3
15	64QAM	36	39	18.65	18.68	18.75		
15	64QAM	75	0	18.77	18.75	18.76		
15	256QAM	1	0	16.74	16.77	16.69		
15	256QAM	1	37	16.70	16.75	16.68	18	5
15	256QAM	1	74	16.61	16.77	16.76		
15	256QAM	36	0	16.76	16.73	16.78		
15	256QAM	36	20	16.63	16.69	16.77	18	5
15	256QAM	36	39	16.60	16.75	16.74		
15	256QAM	75	0	16.68	16.73	16.75		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	21.68	21.79	21.71		
10	QPSK	1	25	21.68	21.76	21.77	23	0
10	QPSK	1	49	21.73	21.74	21.68		
10	QPSK	25	0	20.76	20.83	20.77		
10	QPSK	25	12	20.60	20.85	20.68	22	1
10	QPSK	25	25	20.63	20.75	20.71		
10	QPSK	50	0	20.71	20.75	20.72		
10	16QAM	1	0	20.65	20.73	20.76		
10	16QAM	1	25	20.63	20.72	20.69	22	1
10	16QAM	1	49	20.62	20.67	20.72		
10	16QAM	25	0	19.75	19.79	19.88		
10	16QAM	25	12	19.67	19.79	19.68	21	2
10	16QAM	25	25	19.71	19.73	19.73		
10	16QAM	50	0	19.70	19.86	19.74		
10	64QAM	1	0	19.73	19.78	19.85		
10	64QAM	1	25	19.63	19.67	19.70	21	2
10	64QAM	1	49	19.65	19.71	19.75		
10	64QAM	25	0	18.80	18.88	18.74		
10	64QAM	25	12	18.65	18.79	18.67	20	3
10	64QAM	25	25	18.69	18.76	18.72		
10	64QAM	50	0	18.81	18.77	18.75		
10	256QAM	1	0	16.64	16.75	16.81		
10	256QAM	1	25	16.71	16.81	16.74	18	5
10	256QAM	1	49	16.68	16.71	16.76		
10	256QAM	25	0	16.74	16.75	16.68		
10	256QAM	25	12	16.64	16.72	16.70	18	5
10	256QAM	25	25	16.65	16.76	16.71		
10	256QAM	50	0	16.62	16.79	16.78		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	21.72	21.84	21.69		
5	QPSK	1	12	21.69	21.72	21.65	23	0
5	QPSK	1	24	21.73	21.73	21.74		
5	QPSK	12	0	20.68	20.84	20.75		
5	QPSK	12	7	20.64	20.77	20.71	22	1
5	QPSK	12	13	20.67	20.78	20.71		
5	QPSK	25	0	20.79	20.74	20.78		
5	16QAM	1	0	20.72	20.81	20.75		
5	16QAM	1	12	20.70	20.64	20.75	22	1
5	16QAM	1	24	20.63	20.78	20.78		
5	16QAM	12	0	19.72	19.79	19.85		
5	16QAM	12	7	19.60	19.83	19.69	21	2
5	16QAM	12	13	19.68	19.74	19.67		
5	16QAM	25	0	19.64	19.83	19.78		
5	64QAM	1	0	19.67	19.72	19.83		
5	64QAM	1	12	19.69	19.58	19.70	21	2
5	64QAM	1	24	19.62	19.65	19.75		
5	64QAM	12	0	18.78	18.77	18.70		
5	64QAM	12	7	18.60	18.78	18.74	20	3
5	64QAM	12	13	18.62	18.76	18.69		
5	64QAM	25	0	18.73	18.83	18.75		
5	256QAM	1	0	16.72	16.74	16.72		
5	256QAM	1	12	16.74	16.79	16.68	18	5
5	256QAM	1	24	16.58	16.78	16.82		
5	256QAM	12	0	16.74	16.73	16.74		
5	256QAM	12	7	16.68	16.68	16.78	18	5
5	256QAM	12	13	16.63	16.72	16.73		
5	256QAM	25	0	16.69	16.72	16.79		
Channel				131972	132322	132672	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	21.72	21.84	21.71		
3	QPSK	1	8	21.64	21.71	21.74	23	0
3	QPSK	1	14	21.71	21.75	21.73		
3	QPSK	8	0	20.71	20.78	20.74		
3	QPSK	8	4	20.68	20.83	20.70	22	1
3	QPSK	8	7	20.64	20.70	20.71		
3	QPSK	15	0	20.69	20.84	20.73		
3	16QAM	1	0	20.70	20.80	20.85		
3	16QAM	1	8	20.60	20.73	20.77	22	1
3	16QAM	1	14	20.66	20.77	20.81		
3	16QAM	8	0	19.68	19.82	19.86		
3	16QAM	8	4	19.62	19.83	19.64	21	2
3	16QAM	8	7	19.72	19.71	19.66		
3	16QAM	15	0	19.64	19.87	19.72		
3	64QAM	1	0	19.69	19.72	19.90		
3	64QAM	1	8	19.61	19.59	19.74	21	2
3	64QAM	1	14	19.58	19.70	19.77		
3	64QAM	8	0	18.81	18.79	18.70		
3	64QAM	8	4	18.61	18.82	18.72	20	3
3	64QAM	8	7	18.68	18.70	18.77		
3	64QAM	15	0	18.75	18.74	18.68		
3	256QAM	1	0	16.75	16.85	16.76		
3	256QAM	1	8	16.76	16.76	16.71	18	5
3	256QAM	1	14	16.65	16.77	16.77		
3	256QAM	8	0	16.68	16.77	16.78		
3	256QAM	8	4	16.65	16.77	16.77	18	5
3	256QAM	8	7	16.68	16.76	16.68		
3	256QAM	15	0	16.69	16.70	16.70		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.68	21.79	21.79		
1.4	QPSK	1	3	21.60	21.73	21.73		
1.4	QPSK	1	5	21.74	21.73	21.66	23	0
1.4	QPSK	3	0	21.56	21.65	21.74		
1.4	QPSK	3	1	21.50	21.62	21.60		
1.4	QPSK	3	3	21.69	21.63	21.54		
1.4	QPSK	6	0	20.71	20.78	20.70	22	1
1.4	16QAM	1	0	20.65	20.74	20.78		
1.4	16QAM	1	3	20.64	20.70	20.78		
1.4	16QAM	1	5	20.69	20.76	20.76	22	1
1.4	16QAM	3	0	20.67	20.65	20.67		
1.4	16QAM	3	1	20.57	20.70	20.72		
1.4	16QAM	3	3	20.54	20.62	20.76		
1.4	16QAM	6	0	19.69	19.87	19.78	21	2
1.4	64QAM	1	0	19.63	19.79	19.89		
1.4	64QAM	1	3	19.63	19.69	19.75		
1.4	64QAM	1	5	19.59	19.75	19.79	21	2
1.4	64QAM	3	0	19.66	19.82	19.69		
1.4	64QAM	3	1	19.55	19.75	19.85		
1.4	64QAM	3	3	19.60	19.62	19.73		
1.4	64QAM	6	0	18.71	18.85	18.69	20	3
1.4	256QAM	1	0	16.71	16.80	16.79		
1.4	256QAM	1	3	16.70	16.74	16.68		
1.4	256QAM	1	5	16.63	16.71	16.81	18	5
1.4	256QAM	3	0	16.73	16.82	16.74		
1.4	256QAM	3	1	16.70	16.75	16.74		
1.4	256QAM	3	3	16.69	16.72	16.75		
1.4	256QAM	6	0	16.61	16.80	16.74	18	5

Band 38 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.39	23.40	23.37	24.7	0
20	QPSK	1	49	23.29	23.37	23.33		
20	QPSK	1	99	23.27	23.35	23.29		
20	QPSK	50	0	22.43	22.46	22.40	23.7	1
20	QPSK	50	24	22.33	22.41	22.29		
20	QPSK	50	50	22.32	22.31	22.25		
20	QPSK	100	0	22.35	22.43	22.40		
20	16QAM	1	0	22.37	22.40	22.36	23.7	1
20	16QAM	1	49	22.29	22.31	22.29		
20	16QAM	1	99	22.32	22.38	22.34		
20	16QAM	50	0	21.40	21.43	21.39	22.7	2
20	16QAM	50	24	21.35	21.36	21.32		
20	16QAM	50	50	21.33	21.33	21.24		
20	16QAM	100	0	21.38	21.46	21.43		
20	64QAM	1	0	21.38	21.35	21.30	22.7	2
20	64QAM	1	49	21.25	21.35	21.30		
20	64QAM	1	99	21.34	21.42	21.32		
20	64QAM	50	0	20.39	20.41	20.37	21.7	3
20	64QAM	50	24	20.27	20.39	20.30		
20	64QAM	50	50	20.31	20.28	20.24		
20	64QAM	100	0	20.32	20.44	20.39		
20	256QAM	1	0	18.48	18.46	18.43	19.7	5
20	256QAM	1	49	18.30	18.43	18.29		
20	256QAM	1	99	18.33	18.36	18.19		
20	256QAM	50	0	18.32	18.46	18.36	19.7	5
20	256QAM	50	24	18.39	18.37	18.36		
20	256QAM	50	50	18.31	18.34	18.25		
20	256QAM	100	0	18.34	18.41	18.36		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.36	23.31	23.23	24.7	0
15	QPSK	1	37	23.17	23.27	23.23		
15	QPSK	1	74	23.25	23.31	23.15		
15	QPSK	36	0	22.31	22.38	22.34	23.7	1
15	QPSK	36	20	22.20	22.37	22.21		
15	QPSK	36	39	22.26	22.25	22.11		
15	QPSK	75	0	22.30	22.36	22.37		
15	16QAM	1	0	22.34	22.37	22.29	23.7	1
15	16QAM	1	37	22.18	22.19	22.23		
15	16QAM	1	74	22.27	22.25	22.32		
15	16QAM	36	0	21.38	21.30	21.34	22.7	2
15	16QAM	36	20	21.25	21.25	21.21		
15	16QAM	36	39	21.30	21.23	21.19		
15	16QAM	75	0	21.30	21.42	21.41		
15	64QAM	1	0	21.25	21.25	21.20	22.7	2
15	64QAM	1	37	21.12	21.29	21.21		
15	64QAM	1	74	21.30	21.29	21.28		
15	64QAM	36	0	20.28	20.35	20.23	21.7	3
15	64QAM	36	20	20.20	20.32	20.18		
15	64QAM	36	39	20.24	20.22	20.21		
15	64QAM	75	0	20.24	20.37	20.29		
15	256QAM	1	0	18.44	18.36	18.36	19.7	5
15	256QAM	1	37	18.19	18.38	18.22		
15	256QAM	1	74	18.19	18.31	18.12		
15	256QAM	36	0	18.29	18.37	18.26	19.7	5
15	256QAM	36	20	18.31	18.23	18.24		
15	256QAM	36	39	18.24	18.20	18.12		
15	256QAM	75	0	18.27	18.31	18.34		
Channel				37800	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.35	23.37	23.35	24.7	0
10	QPSK	1	25	23.16	23.33	23.29		
10	QPSK	1	49	23.20	23.33	23.17		
10	QPSK	25	0	22.31	22.34	22.34	23.7	1
10	QPSK	25	12	22.30	22.34	22.25		
10	QPSK	25	25	22.24	22.26	22.17		
10	QPSK	50	0	22.27	22.39	22.29		
10	16QAM	1	0	22.31	22.37	22.29	23.7	1
10	16QAM	1	25	22.23	22.20	22.21		
10	16QAM	1	49	22.29	22.34	22.31		
10	16QAM	25	0	21.27	21.34	21.26	22.7	2
10	16QAM	25	12	21.27	21.24	21.26		
10	16QAM	25	25	21.20	21.22	21.19		
10	16QAM	50	0	21.33	21.38	21.38		
10	64QAM	1	0	21.24	21.29	21.23	22.7	2
10	64QAM	1	25	21.12	21.27	21.23		
10	64QAM	1	49	21.27	21.31	21.24		
10	64QAM	25	0	20.35	20.33	20.29	21.7	3
10	64QAM	25	12	20.22	20.27	20.24		
10	64QAM	25	25	20.24	20.23	20.17		
10	64QAM	50	0	20.24	20.41	20.29		
10	256QAM	1	0	18.35	18.34	18.33	19.7	5
10	256QAM	1	25	18.23	18.35	18.22		
10	256QAM	1	49	18.29	18.31	18.14		
10	256QAM	25	0	18.20	18.37	18.26	19.7	5
10	256QAM	25	12	18.29	18.25	18.30		
10	256QAM	25	25	18.28	18.27	18.20		
10	256QAM	50	0	18.31	18.37	18.29		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.29	23.36	23.33	24.7	0
5	QPSK	1	12	23.18	23.29	23.26		
5	QPSK	1	24	23.16	23.22	23.21		
5	QPSK	12	0	22.33	22.35	22.35	23.7	1
5	QPSK	12	7	22.25	22.36	22.19		
5	QPSK	12	13	22.30	22.25	22.21		
5	QPSK	25	0	22.21	22.31	22.31		
5	16QAM	1	0	22.31	22.33	22.30	23.7	1
5	16QAM	1	12	22.24	22.28	22.26		
5	16QAM	1	24	22.24	22.36	22.24		
5	16QAM	12	0	21.33	21.32	21.33	22.7	2
5	16QAM	12	7	21.22	21.28	21.21		
5	16QAM	12	13	21.28	21.21	21.13		
5	16QAM	25	0	21.29	21.40	21.29		
5	64QAM	1	0	21.26	21.28	21.27	22.7	2
5	64QAM	1	12	21.20	21.22	21.18		
5	64QAM	1	24	21.26	21.37	21.18		
5	64QAM	12	0	20.27	20.33	20.28	21.7	3
5	64QAM	12	7	20.21	20.37	20.18		
5	64QAM	12	13	20.19	20.14	20.17		
5	64QAM	25	0	20.23	20.34	20.34		
5	256QAM	1	0	18.39	18.39	18.29	19.7	5
5	256QAM	1	12	18.27	18.38	18.22		
5	256QAM	1	24	18.25	18.23	18.09		
5	256QAM	12	0	18.25	18.37	18.31	19.7	5
5	256QAM	12	7	18.28	18.24	18.32		
5	256QAM	12	13	18.24	18.25	18.22		
5	256QAM	25	0	18.29	18.33	18.27		

Band 41 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.42	23.39	23.43	23.27	23.32	24.7	0
20	QPSK	1	49	23.37	23.37	23.40	23.16	23.21		
20	QPSK	1	99	23.38	23.36	23.37	23.20	23.20		
20	QPSK	50	0	22.38	22.44	22.46	22.23	22.31	23.7	1
20	QPSK	50	24	22.41	22.39	22.36	22.18	22.19		
20	QPSK	50	50	22.43	22.40	22.32	22.22	22.14		
20	QPSK	100	0	22.41	22.34	22.42	22.32	22.34		
20	16QAM	1	0	22.38	22.43	22.39	22.27	22.30	23.7	1
20	16QAM	1	49	22.40	22.41	22.40	22.13	22.25		
20	16QAM	1	99	22.43	22.40	22.32	22.19	22.25		
20	16QAM	50	0	21.35	21.44	21.51	21.17	21.36	22.7	2
20	16QAM	50	24	21.46	21.34	21.33	21.12	21.21		
20	16QAM	50	50	21.48	21.44	21.31	21.23	21.10		
20	16QAM	100	0	21.47	21.33	21.42	21.34	21.32		
20	64QAM	1	0	21.42	21.41	21.36	21.21	21.33	22.7	2
20	64QAM	1	49	21.44	21.42	21.40	21.12	21.21		
20	64QAM	1	99	21.37	21.35	21.30	21.18	21.22		
20	64QAM	50	0	20.42	20.43	20.43	20.24	20.27	21.7	3
20	64QAM	50	24	20.40	20.34	20.37	20.15	20.16		
20	64QAM	50	50	20.43	20.41	20.27	20.17	20.16		
20	64QAM	100	0	20.40	20.31	20.39	20.32	20.37		
20	256QAM	1	0	18.36	18.50	18.46	18.21	18.36	19.7	5
20	256QAM	1	49	18.45	18.44	18.31	18.23	18.14		
20	256QAM	1	99	18.38	18.36	18.37	18.23	18.09		
20	256QAM	50	0	18.43	18.39	18.37	18.29	18.30	19.7	5
20	256QAM	50	24	18.34	18.47	18.42	18.33	18.36		
20	256QAM	50	50	18.40	18.47	18.34	18.18	18.19		
20	256QAM	100	0	18.48	18.42	18.33	18.19	18.21		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.32	23.33	23.41	23.24	23.22	25	0
15	QPSK	1	37	23.32	23.26	23.38	23.03	23.19		
15	QPSK	1	74	23.26	23.27	23.34	23.12	23.07		
15	QPSK	36	0	22.33	22.37	22.43	22.14	22.18	23.7	1
15	QPSK	36	20	22.37	22.32	22.23	22.07	22.17		
15	QPSK	36	39	22.30	22.27	22.29	22.18	22.02		
15	QPSK	75	0	22.36	22.22	22.32	22.21	22.26		
15	16QAM	1	0	22.28	22.32	22.34	22.13	22.25	23.7	1
15	16QAM	1	37	22.37	22.39	22.37	22.02	22.20		
15	16QAM	1	74	22.30	22.37	22.19	22.10	22.19		
15	16QAM	36	0	21.21	21.31	21.45	21.06	21.22	22.7	2
15	16QAM	36	20	21.40	21.27	21.25	21.04	21.07		
15	16QAM	36	39	21.41	21.32	21.20	21.12	20.99		
15	16QAM	75	0	21.37	21.23	21.32	21.31	21.24		
15	64QAM	1	0	21.33	21.31	21.27	21.11	21.24	22.7	2
15	64QAM	1	37	21.35	21.37	21.36	21.05	21.13		
15	64QAM	1	74	21.32	21.25	21.19	21.14	21.09		
15	64QAM	36	0	20.40	20.32	20.36	20.19	20.23	21.7	3
15	64QAM	36	20	20.29	20.21	20.27	20.02	20.13		
15	64QAM	36	39	20.37	20.28	20.18	20.13	20.03		
15	64QAM	75	0	20.34	20.25	20.27	20.25	20.35		
15	256QAM	1	0	18.28	18.41	18.38	18.14	18.24	19.7	5
15	256QAM	1	37	18.41	18.38	18.21	18.18	18.06		
15	256QAM	1	74	18.28	18.29	18.29	18.10	17.95		
15	256QAM	36	0	18.33	18.33	18.28	18.21	18.26	19.7	5
15	256QAM	36	20	18.32	18.42	18.37	18.20	18.23		
15	256QAM	36	39	18.31	18.36	18.23	18.10	18.09		
15	256QAM	75	0	18.41	18.38	18.26	18.16	18.13		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.36	23.34	23.32	23.15	23.24	25	0
10	QPSK	1	25	23.32	23.31	23.33	23.11	23.11		
10	QPSK	1	49	23.31	23.30	23.31	23.12	23.14		
10	QPSK	25	0	22.30	22.30	22.33	22.16	22.26	23.7	1
10	QPSK	25	12	22.29	22.26	22.23	22.06	22.12		
10	QPSK	25	25	22.35	22.36	22.19	22.10	22.04		
10	QPSK	50	0	22.29	22.26	22.31	22.23	22.24		
10	16QAM	1	0	22.27	22.37	22.27	22.18	22.25	23.7	1
10	16QAM	1	25	22.29	22.31	22.32	22.01	22.19		
10	16QAM	1	49	22.40	22.31	22.28	22.15	22.19		
10	16QAM	25	0	21.29	21.35	21.37	21.09	21.30	22.7	2
10	16QAM	25	12	21.41	21.30	21.30	21.04	21.08		
10	16QAM	25	25	21.44	21.38	21.29	21.13	21.04		
10	16QAM	50	0	21.35	21.19	21.33	21.31	21.30		
10	64QAM	1	0	21.38	21.28	21.23	21.15	21.21	22.7	2
10	64QAM	1	25	21.39	21.38	21.36	21.03	21.15		
10	64QAM	1	49	21.33	21.26	21.16	21.04	21.11		
10	64QAM	25	0	20.29	20.39	20.35	20.11	20.13	21.7	3
10	64QAM	25	12	20.29	20.25	20.32	20.01	20.07		
10	64QAM	25	25	20.36	20.35	20.15	20.09	20.09		
10	64QAM	50	0	20.29	20.18	20.33	20.20	20.26		
10	256QAM	1	0	18.34	18.37	18.44	18.17	18.33	19.7	5
10	256QAM	1	25	18.32	18.33	18.23	18.15	18.00		
10	256QAM	1	49	18.29	18.28	18.24	18.11	18.06		
10	256QAM	25	0	18.39	18.34	18.28	18.26	18.19	19.7	5
10	256QAM	25	12	18.26	18.34	18.28	18.22	18.24		
10	256QAM	25	25	18.36	18.35	18.32	18.10	18.11		
10	256QAM	50	0	18.44	18.34	18.22	18.14	18.16		
Channel				39675	40140	40620	41083	41565	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.38	23.28	23.37	23.24	23.26	25	0
5	QPSK	1	12	23.33	23.24	23.37	23.07	23.09		
5	QPSK	1	24	23.25	23.29	23.26	23.17	23.06		
5	QPSK	12	0	22.29	22.41	22.33	22.14	22.24	23.7	1
5	QPSK	12	7	22.31	22.26	22.32	22.13	22.08		
5	QPSK	12	13	22.30	22.27	22.27	22.09	22.03		
5	QPSK	25	0	22.35	22.23	22.38	22.25	22.24		
5	16QAM	1	0	22.35	22.41	22.30	22.22	22.24	23.7	1
5	16QAM	1	12	22.28	22.33	22.38	22.01	22.16		
5	16QAM	1	24	22.38	22.36	22.18	22.15	22.22		
5	16QAM	12	0	21.26	21.33	21.41	21.13	21.32	22.7	2
5	16QAM	12	7	21.39	21.30	21.20	21.04	21.14		
5	16QAM	12	13	21.44	21.32	21.24	21.13	20.97		
5	16QAM	25	0	21.35	21.25	21.38	21.31	21.26		
5	64QAM	1	0	21.38	21.33	21.32	21.12	21.19	22.7	2
5	64QAM	1	12	21.33	21.30	21.26	21.01	21.19		
5	64QAM	1	24	21.27	21.30	21.24	21.05	21.14		
5	64QAM	12	0	20.34	20.40	20.41	20.17	20.18	21.7	3
5	64QAM	12	7	20.27	20.24	20.23	20.01	20.12		
5	64QAM	12	13	20.34	20.29	20.18	20.14	20.08		
5	64QAM	25	0	20.33	20.23	20.33	20.28	20.33		
5	256QAM	1	0	18.26	18.40	18.42	18.12	18.28	19.7	5
5	256QAM	1	12	18.39	18.38	18.26	18.10	18.04		
5	256QAM	1	24	18.29	18.34	18.26	18.20	17.97		
5	256QAM	12	0	18.30	18.31	18.30	18.17	18.17	19.7	5
5	256QAM	12	7	18.25	18.44	18.29	18.22	18.26		
5	256QAM	12	13	18.33	18.42	18.26	18.10	18.10		
5	256QAM	25	0	18.41	18.28	18.22	18.14	18.17		

Band 42 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	24.21	24.27	24.19	25.2	0
20	QPSK	1	49	24.07	24.24	24.16		
20	QPSK	1	99	24.13	24.22	24.06		
20	QPSK	50	0	23.24	23.28	23.19	24.2	1
20	QPSK	50	24	23.05	23.21	23.21		
20	QPSK	50	50	23.10	23.27	23.05		
20	QPSK	100	0	23.18	23.26	23.23		
20	16QAM	1	0	23.27	23.25	23.22	24.2	1
20	16QAM	1	49	23.08	23.28	23.16		
20	16QAM	1	99	23.18	23.28	23.10		
20	16QAM	50	0	22.26	22.34	22.19	23.2	2
20	16QAM	50	24	22.06	22.26	22.18		
20	16QAM	50	50	22.15	22.28	22.00		
20	16QAM	100	0	22.20	22.27	22.19		
20	64QAM	1	0	22.23	22.22	22.17	23.2	2
20	64QAM	1	49	22.14	22.24	22.17		
20	64QAM	1	99	22.17	22.23	22.12		
20	64QAM	50	0	21.20	21.32	21.15	22.2	3
20	64QAM	50	24	21.11	21.24	21.19		
20	64QAM	50	50	21.15	21.28	21.02		
20	64QAM	100	0	21.23	21.26	21.22		
20	256QAM	1	0	19.20	19.24	19.18	20.2	5
20	256QAM	1	49	19.05	19.17	19.18		
20	256QAM	1	99	19.16	19.27	19.00		
20	256QAM	50	0	19.15	19.31	19.19	20.2	5
20	256QAM	50	24	19.26	19.26	19.25		
20	256QAM	50	50	19.09	19.30	19.19		
20	256QAM	100	0	19.23	19.27	19.10		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	24.07	24.13	23.98	25.2	0
15	QPSK	1	37	23.86	24.10	23.97		
15	QPSK	1	74	23.91	24.01	23.88		
15	QPSK	36	0	23.02	23.09	23.05	24.2	1
15	QPSK	36	20	22.91	23.00	23.00		
15	QPSK	36	39	22.91	23.08	22.90		
15	QPSK	75	0	23.05	23.02	23.05		
15	16QAM	1	0	23.14	23.04	23.02	24.2	1
15	16QAM	1	37	22.90	23.14	22.94		
15	16QAM	1	74	23.05	23.08	22.90		
15	16QAM	36	0	22.12	22.20	22.01	23.2	2
15	16QAM	36	20	21.88	22.07	22.01		
15	16QAM	36	39	21.96	22.09	21.79		
15	16QAM	75	0	21.98	22.14	22.07		
15	64QAM	1	0	22.08	21.99	21.94	23.2	2
15	64QAM	1	37	21.96	22.01	21.98		
15	64QAM	1	74	22.00	22.07	21.98		
15	64QAM	36	0	21.07	21.16	20.96	22.2	3
15	64QAM	36	20	20.95	21.09	21.04		
15	64QAM	36	39	20.99	21.13	20.83		
15	64QAM	75	0	21.10	21.12	21.10		
15	256QAM	1	0	18.97	19.04	19.06	20.2	5
15	256QAM	1	37	18.81	18.97	19.04		
15	256QAM	1	74	19.03	19.06	18.79		
15	256QAM	36	0	18.97	19.17	18.97	20.2	5
15	256QAM	36	20	19.03	19.14	19.05		
15	256QAM	36	39	18.91	19.08	19.03		
15	256QAM	75	0	19.04	19.12	18.87		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	24.03	24.06	23.99	25.2	0
10	QPSK	1	25	23.91	24.00	24.10		
10	QPSK	1	49	23.94	24.03	23.92		
10	QPSK	25	0	23.02	23.05	22.95	24.2	1
10	QPSK	25	12	22.83	23.09	23.03		
10	QPSK	25	25	22.91	23.12	22.90		
10	QPSK	50	0	23.00	23.02	23.11		
10	16QAM	1	0	23.06	23.09	23.01	24.2	1
10	16QAM	1	25	22.90	23.16	23.04		
10	16QAM	1	49	22.98	23.10	22.89		
10	16QAM	25	0	22.12	22.12	22.03	23.2	2
10	16QAM	25	12	21.84	22.06	21.96		
10	16QAM	25	25	21.98	22.05	21.86		
10	16QAM	50	0	22.00	22.03	22.00		
10	64QAM	1	0	22.09	22.06	21.99	23.2	2
10	64QAM	1	25	22.00	22.03	21.94		
10	64QAM	1	49	22.00	22.10	21.95		
10	64QAM	25	0	20.99	21.16	20.99	22.2	3
10	64QAM	25	12	20.97	21.05	20.96		
10	64QAM	25	25	20.93	21.07	20.86		
10	64QAM	50	0	21.09	21.12	21.00		
10	256QAM	1	0	19.06	19.01	19.02	20.2	5
10	256QAM	1	25	18.89	19.01	19.02		
10	256QAM	1	49	19.03	19.13	18.80		
10	256QAM	25	0	19.02	19.17	18.97	20.2	5
10	256QAM	25	12	19.03	19.07	19.02		
10	256QAM	25	25	18.92	19.18	19.03		
10	256QAM	50	0	19.07	19.04	18.90		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	24.01	24.15	23.98	25.2	0
5	QPSK	1	12	23.87	24.02	24.02		
5	QPSK	1	24	23.96	24.00	23.89		
5	QPSK	12	0	23.10	23.14	22.99	24.2	1
5	QPSK	12	7	22.89	22.98	23.03		
5	QPSK	12	13	22.95	23.07	22.82		
5	QPSK	25	0	23.05	23.06	23.04		
5	16QAM	1	0	23.09	23.04

		WCDMA II Anti5 Default				WCDMA IV Anti5 Default			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.00	22.11	22.01	23.30	21.34	21.44	21.34	22.90
3GPP Rel 99	RMC 12.2Kbps	22.13	22.16	22.02	23.30	21.44	21.54	21.47	22.90
3GPP Rel 6	HSDPA Subtest-1	21.23	21.08	21.11	22.30	20.54	20.47	20.52	21.90
3GPP Rel 6	HSDPA Subtest-2	21.09	21.16	21.10	22.30	20.43	20.54	20.45	21.90
3GPP Rel 6	HSDPA Subtest-3	20.59	20.66	20.58	21.80	19.99	19.98	19.92	21.40
3GPP Rel 6	HSDPA Subtest-4	20.57	20.66	20.56	21.80	19.89	20.06	19.89	21.40
3GPP Rel 8	DC-HSDPA Subtest-1	21.18	21.15	21.07	22.30	20.48	20.50	20.40	21.90
3GPP Rel 8	DC-HSDPA Subtest-2	21.12	21.10	21.10	22.30	20.50	20.49	20.46	21.90
3GPP Rel 8	DC-HSDPA Subtest-3	20.51	20.69	20.67	21.80	19.82	20.02	19.97	21.40
3GPP Rel 8	DC-HSDPA Subtest-4	20.64	20.61	20.52	21.80	19.93	19.96	19.82	21.40
3GPP Rel 6	HSUPA Subtest-1	21.13	21.07	21.05	22.30	20.49	20.42	20.46	21.90
3GPP Rel 6	HSUPA Subtest-2	19.21	19.16	19.09	20.30	18.51	18.55	18.39	19.90
3GPP Rel 6	HSUPA Subtest-3	20.11	20.07	20.05	21.30	19.49	19.46	19.35	20.90
3GPP Rel 6	HSUPA Subtest-4	19.16	19.21	19.09	20.30	18.49	18.53	18.42	19.90
3GPP Rel 6	HSUPA Subtest-5	21.06	21.05	21.03	22.30	20.41	20.43	20.34	21.90
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.67	18.69	18.57	19.80	17.97	18.04	17.92	19.40

Band 2 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	22.27	22.41	22.30		
20	QPSK	1	49	22.15	22.34	22.20	23.8	0
20	QPSK	1	99	22.16	22.26	22.17		
20	QPSK	50	0	21.25	21.38	21.29		
20	QPSK	50	24	21.23	21.35	21.32	22.8	1
20	QPSK	50	50	21.24	21.30	21.24		
20	QPSK	100	0	21.31	21.39	21.29		
20	16QAM	1	0	21.24	21.41	21.30		
20	16QAM	1	49	21.26	21.43	21.24	22.8	1
20	16QAM	1	99	21.31	21.37	21.27		
20	16QAM	50	0	20.29	20.37	20.29		
20	16QAM	50	24	20.31	20.40	20.33	21.8	2
20	16QAM	50	50	20.26	20.38	20.31		
20	16QAM	100	0	20.29	20.42	20.28		
20	64QAM	1	0	20.26	20.46	20.30		
20	64QAM	1	49	20.23	20.46	20.25	21.8	2
20	64QAM	1	99	20.28	20.44	20.27		
20	64QAM	50	0	19.25	19.37	19.30		
20	64QAM	50	24	19.32	19.41	19.31	20.8	3
20	64QAM	50	50	19.29	19.41	19.28		
20	64QAM	100	0	19.23	19.39	19.27		
20	256QAM	1	0	17.28	17.39	17.36		
20	256QAM	1	49	17.21	17.38	17.29	18.8	5
20	256QAM	1	99	17.30	17.37	17.28		
20	256QAM	50	0	17.23	17.41	17.29		
20	256QAM	50	24	17.25	17.45	17.32	18.8	5
20	256QAM	50	50	17.25	17.44	17.25		
20	256QAM	100	0	17.22	17.36	17.31		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	22.20	22.26	22.16		
15	QPSK	1	37	22.07	22.24	22.07	23.8	0
15	QPSK	1	74	22.07	22.19	22.02		
15	QPSK	36	0	21.09	21.24	21.22		
15	QPSK	36	20	21.16	21.27	21.18	22.8	1
15	QPSK	36	39	21.19	21.24	21.09		
15	QPSK	75	0	21.19	21.23	21.23		
15	16QAM	1	0	21.11	21.26	21.19		
15	16QAM	1	37	21.15	21.32	21.09	22.8	1
15	16QAM	1	74	21.24	21.24	21.15		
15	16QAM	36	0	20.17	20.24	20.20		
15	16QAM	36	20	20.20	20.27	20.25	21.8	2
15	16QAM	36	39	20.19	20.26	20.22		
15	16QAM	75	0	20.17	20.37	20.22		
15	64QAM	1	0	20.16	20.35	20.15		
15	64QAM	1	37	20.10	20.36	20.18	21.8	2
15	64QAM	1	74	20.23	20.31	20.14		
15	64QAM	36	0	19.14	19.30	19.20		
15	64QAM	36	20	19.20	19.26	19.27	20.8	3
15	64QAM	36	39	19.15	19.29	19.19		
15	64QAM	75	0	19.16	19.31	19.21		
15	256QAM	1	0	17.23	17.29	17.32		
15	256QAM	1	37	17.14	17.34	17.20	18.8	5
15	256QAM	1	74	17.20	17.25	17.20		
15	256QAM	36	0	17.09	17.26	17.16		
15	256QAM	36	20	17.15	17.41	17.26	18.8	5
15	256QAM	36	39	17.15	17.29	17.12		
15	256QAM	75	0	17.07	17.21	17.21		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	22.12	22.36	22.25		
10	QPSK	1	25	22.06	22.24	22.15	23.8	0
10	QPSK	1	49	22.03	22.21	22.06		
10	QPSK	25	0	21.18	21.26	21.18		
10	QPSK	25	12	21.07	21.27	21.22	22.8	1
10	QPSK	25	25	21.19	21.25	21.12		
10	QPSK	50	0	21.21	21.31	21.15		
10	16QAM	1	0	21.14	21.25	21.21		
10	16QAM	1	25	21.16	21.37	21.10	22.8	1
10	16QAM	1	49	21.19	21.26	21.16		
10	16QAM	25	0	20.15	20.27	20.16		
10	16QAM	25	12	20.21	20.31	20.17	21.8	2
10	16QAM	25	25	20.21	20.33	20.22		
10	16QAM	50	0	20.16	20.31	20.21		
10	64QAM	1	0	20.11	20.41	20.20		
10	64QAM	1	25	20.10	20.34	20.12	21.8	2
10	64QAM	1	49	20.17	20.30	20.13		
10	64QAM	25	0	19.19	19.26	19.17		
10	64QAM	25	12	19.24	19.31	19.21	20.8	3
10	64QAM	25	25	19.14	19.30	19.13		
10	64QAM	50	0	19.09	19.24	19.20		
10	256QAM	1	0	17.16	17.28	17.22		
10	256QAM	1	25	17.11	17.33	17.19	18.8	5
10	256QAM	1	49	17.23	17.27	17.19		
10	256QAM	25	0	17.10	17.33	17.16		
10	256QAM	25	12	17.13	17.29	17.25	18.8	5
10	256QAM	25	25	17.18	17.40	17.12		
10	256QAM	50	0	17.18	17.27	17.21		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	22.17	22.37	22.24		
5	QPSK	1	12	22.03	22.18	22.09	23.8	0
5	QPSK	1	24	22.04	22.16	22.12		
5	QPSK	12	0	21.21	21.23	21.13		
5	QPSK	12	7	21.08	21.29	21.22	22.8	1
5	QPSK	12	13	21.18	21.20	21.18		
5	QPSK	25	0	21.22	21.25	21.17		
5	16QAM	1	0	21.09	21.33	21.20		
5	16QAM	1	12	21.13	21.30	21.15	22.8	1
5	16QAM	1	24	21.21	21.33	21.22		
5	16QAM	12	0	20.14	20.28	20.22		
5	16QAM	12	7	20.26	20.35	20.28	21.8	2
5	16QAM	12	13	20.15	20.23	20.22		
5	16QAM	25	0	20.22	20.38	20.20		
5	64QAM	1	0	20.18	20.39	20.26		
5	64QAM	1	12	20.11	20.36	20.10	21.8	2
5	64QAM	1	24	20.17	20.38	20.13		
5	64QAM	12	0	19.18	19.28	19.24		
5	64QAM	12	7	19.24	19.26	19.24	20.8	3
5	64QAM	12	13	19.14	19.26	19.15		
5	64QAM	25	0	19.10	19.27	19.11		
5	256QAM	1	0	17.16	17.27	17.27		
5	256QAM	1	12	17.11	17.25	17.19	18.8	5
5	256QAM	1	24	17.19	17.21	17.14		
5	256QAM	12	0	17.10	17.30	17.22		
5	256QAM	12	7	17.16	17.34	17.22	18.8	5
5	256QAM	12	13	17.21	17.39	17.21		
5	256QAM	25	0	17.09	17.24	17.21		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	22.12	22.27	22.19		
3	QPSK	1	8	22.07	22.26	22.14	23.8	0
3	QPSK	1	14	22.03	22.14	22.12		
3	QPSK	8	0	21.16	21.30	21.16		
3	QPSK	8	4	21.08	21.27	21.19	22.8	1
3	QPSK	8	7	21.13	21.19	21.18		
3	QPSK	15	0	21.20	21.30	21.17		
3	16QAM	1	0	21.10	21.31	21.20		
3	16QAM	1	8	21.18	21.38	21.14	22.8	1
3	16QAM	1	14	21.25	21.24	21.15		
3	16QAM	8	0	20.17	20.25	20.21		
3	16QAM	8	4	20.17	20.25	20.23	21.8	2
3	16QAM	8	7	20.11	20.27	20.24		
3	16QAM	15	0	20.22	20.33	20.20		
3	64QAM	1	0	20.13	20.35	20.21		
3	64QAM	1	8	20.09	20.37	20.18	21.8	2
3	64QAM	1	14	20.20	20.32	20.23		
3	64QAM	8	0	19.18	19.23	19.25		
3	64QAM	8	4	19.16	19.36	19.16	20.8	3
3	64QAM	8	7	19.20	19.37	19.17		
3	64QAM	15	0	19.13	19.28	19.12		
3	256QAM	1	0	17.18	17.24	17.32		
3	256QAM	1	8	17.14	17.23	17.16	18.8	5
3	256QAM	1	14	17.15	17.33	17.15		
3	256QAM	8	0	17.08	17.28	17.19		
3	256QAM	8	4	17.17	17.35	17.26	18.8	5
3	256QAM	8	7	17.18	17.37	17.12		
3	256QAM	15	0	17.13	17.22	17.16		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	22.11	22.34	22.15		
1.4	QPSK	1	3	22.22	22.26	22.21		
1.4	QPSK	1	5	22.16	22.25	22.15		
1.4	QPSK	3	0	22.15	22.28	22.25		
1.4	QPSK	3	1	22.22	22.25	22.15		
1.4	QPSK	3	3	22.13	22.36	22.25		
1.4	QPSK	6	0	21.28	21.46	21.33	22.8	1
1.4	16QAM	1	0	21.27	21.42	21.33		
1.4	16QAM	1	3	21.31	21.43	21.28		
1.4	16QAM	1	5	21.23	21.42	21.28	22.8	1
1.4	16QAM	3	0	21.29	21.38	21.30		
1.4	16QAM	3	1	21.25	21.47	21.26		
1.4	16QAM	3	3	21.23	21.45	21.30		
1.4	16QAM	6	0	20.26	20.41	20.25	21.8	2
1.4	64QAM	1	0	20.28	20.36	20.29		
1.4	64QAM	1	3	20.21	20.41	20.35		
1.4	64QAM	1	5	20.31	20.39	20.30	21.8	2
1.4	64QAM	3	0	20.26	20.43	20.35		
1.4	64QAM	3	1	20.30	20.39	20.32		
1.4	64QAM	3	3	20.24	20.43	20.32		
1.4	64QAM	6	0	19.27	19.44	19.34	20.8	3
1.4	256QAM	1	0	17.28	17.42	17.26		
1.4	256QAM	1	3	17.30	17.47	17.36		
1.4	256QAM	1	5	17.22	17.40	17.34	18.8	5
1.4	256QAM	3	0	17.31	17.36	17.35		
1.4	256QAM	3	1	17.29	17.43	17.33		
1.4	256QAM	3	3	17.31	17.41	17.33		
1.4	256QAM	6	0	17.22	17.45	17.32	18.8	5

Band 4 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	22.54	22.62	22.59		
20	QPSK	1	49	22.46	22.59	22.55	23.9	0
20	QPSK	1	99	22.40	22.58	22.53		
20	QPSK	50	0	21.52	21.67	21.64		
20	QPSK	50	24	21.45	21.59	21.53	22.9	1
20	QPSK	50	50	21.40	21.56	21.51		
20	QPSK	100	0	21.53	21.64	21.61		
20	16QAM	1	0	21.50	21.63	21.56		
20	16QAM	1	49	21.43	21.62	21.56	22.9	1
20	16QAM	1	99	21.45	21.63	21.52		
20	16QAM	50	0	20.49	20.70	20.69		
20	16QAM	50	24	20.47	20.59	20.51	21.9	2
20	16QAM	50	50	20.36	20.62	20.51		
20	16QAM	100	0	20.48	20.69	20.56		
20	64QAM	1	0	20.53	20.63	20.57		
20	64QAM	1	49	20.42	20.57	20.58	21.9	2
20	64QAM	1	99	20.44	20.61	20.54		
20	64QAM	50	0	19.53	19.69	19.61		
20	64QAM	50	24	19.42	19.63	19.47	20.9	3
20	64QAM	50	50	19.43	19.59	19.52		
20	64QAM	100	0	19.54	19.58	19.66		
20	256QAM	1	0	17.50	17.72	17.68		
20	256QAM	1	49	17.49	17.54	17.58	18.9	5
20	256QAM	1	99	17.41	17.61	17.48		
20	256QAM	50	0	17.58	17.61	17.60		
20	256QAM	50	24	17.48	17.69	17.53	18.9	5
20	256QAM	50	50	17.44	17.57	17.53		
20	256QAM	100	0	17.50	17.66	17.47		
Channel				20025	20175		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	22.49	22.59	22.54		
15	QPSK	1	37	22.35	22.54	22.52	23.9	0
15	QPSK	1	74	22.35	22.53	22.44		
15	QPSK	36	0	21.41	21.62	21.60		
15	QPSK	36	20	21.41	21.50	21.42	22.9	1
15	QPSK	36	39	21.36	21.49	21.44		
15	QPSK	75	0	21.41	21.53	21.57		
15	16QAM	1	0	21.36	21.57	21.42		
15	16QAM	1	37	21.39	21.51	21.48	22.9	1
15	16QAM	1	74	21.36	21.60	21.48		
15	16QAM	36	0	20.40	20.56	20.63		
15	16QAM	36	20	20.41	20.46	20.38	21.9	2
15	16QAM	36	39	20.32	20.58	20.47		
15	16QAM	75	0	20.46	20.66	20.51		
15	64QAM	1	0	20.46	20.49	20.46		
15	64QAM	1	37	20.38	20.53	20.44	21.9	2
15	64QAM	1	74	20.37	20.53	20.43		
15	64QAM	36	0	19.42	19.57	19.55		
15	64QAM	36	20	19.31	19.54	19.44	20.9	3
15	64QAM	36	39	19.39	19.56	19.41		
15	64QAM	75	0	19.42	19.52	19.59		
15	256QAM	1	0	17.41	17.60	17.64		
15	256QAM	1	37	17.37	17.48	17.53	18.9	5
15	256QAM	1	74	17.36	17.57	17.38		
15	256QAM	36	0	17.51	17.57	17.47		
15	256QAM	36	20	17.37	17.56	17.49	18.9	5
15	256QAM	36	39	17.39	17.53	17.40		
15	256QAM	75	0	17.39	17.59	17.41		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	22.49	22.59	22.50		
10	QPSK	1	25	22.35	22.56	22.53	23.9	0
10	QPSK	1	49	22.37	22.46	22.39		
10	QPSK	25	0	21.38	21.60	21.62		
10	QPSK	25	12	21.43	21.46	21.43	22.9	1
10	QPSK	25	25	21.31	21.48	21.46		
10	QPSK	50	0	21.40	21.57	21.54		
10	16QAM	1	0	21.38	21.52	21.45		
10	16QAM	1	25	21.31	21.59	21.46	22.9	1
10	16QAM	1	49	21.33	21.57	21.45		
10	16QAM	25	0	20.44	20.68	20.59		
10	16QAM	25	12	20.41	20.52	20.38	21.9	2
10	16QAM	25	25	20.31	20.60	20.46		
10	16QAM	50	0	20.38	20.62	20.50		
10	64QAM	1	0	20.51	20.51	20.52		
10	64QAM	1	25	20.30	20.44	20.48	21.9	2
10	64QAM	1	49	20.41	20.51	20.41		
10	64QAM	25	0	19.50	19.63	19.58		
10	64QAM	25	12	19.29	19.55	19.43	20.9	3
10	64QAM	25	25	19.32	19.56	19.40		
10	64QAM	50	0	19.46	19.45	19.62		
10	256QAM	1	0	17.43	17.69	17.56		
10	256QAM	1	25	17.39	17.48	17.51	18.9	5
10	256QAM	1	49	17.28	17.58	17.44		
10	256QAM	25	0	17.55	17.52	17.50		
10	256QAM	25	12	17.38	17.56	17.41	18.9	5
10	256QAM	25	25	17.33	17.49	17.40		
10	256QAM	50	0	17.41	17.56	17.37		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	22.44	22.57	22.48		
5	QPSK	1	12	22.43	22.53	22.52	23.9	0
5	QPSK	1	24	22.28	22.53	22.43		
5	QPSK	12	0	21.48	21.62	21.60		
5	QPSK	12	7	21.32	21.50	21.49	22.9	1
5	QPSK	12	13	21.28	21.54	21.46		
5	QPSK	25	0	21.45	21.60	21.55		
5	16QAM	1	0	21.44	21.60	21.52		
5	16QAM	1	12	21.40	21.56	21.43	22.9	1
5	16QAM	1	24	21.41	21.56	21.42		
5	16QAM	12	0	20.44	20.65	20.61		
5	16QAM	12	7	20.44	20.48	20.40	21.9	2
5	16QAM	12	13	20.27	20.49	20.40		
5	16QAM	25	0	20.43	20.57	20.44		
5	64QAM	1	0	20.40	20.59	20.47		
5	64QAM	1	12	20.35	20.47	20.47	21.9	2
5	64QAM	1	24	20.42	20.53	20.50		
5	64QAM	12	0	19.41	19.62	19.53		
5	64QAM	12	7	19.38	19.54	19.38	20.9	3
5	64QAM	12	13	19.34	19.52	19.40		
5	64QAM	25	0	19.48	19.50	19.56		
5	256QAM	1	0	17.39	17.60	17.62		
5	256QAM	1	12	17.39	17.48	17.50	18.9	5
5	256QAM	1	24	17.27	17.50	17.35		
5	256QAM	12	0	17.56	17.51	17.47		
5	256QAM	12	7	17.34	17.65	17.46	18.9	5
5	256QAM	12	13	17.32	17.53	17.44		
5	256QAM	25	0	17.43	17.57	17.45		
Channel				19950	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	22.52	22.60	22.56		
3	QPSK	1	8	22.33	22.48	22.42	23.9	0
3	QPSK	1	14	22.31	22.52	22.39		
3	QPSK	8	0	21.49	21.61	21.62		
3	QPSK	8	4	21.33	21.57	21.44	22.9	1
3	QPSK	8	7	21.33	21.43	21.48		
3	QPSK	15	0	21.49	21.52	21.50		
3	16QAM	1	0	21.44	21.51	21.48		
3	16QAM	1	8	21.32	21.52	21.51	22.9	1
3	16QAM	1	14	21.32	21.59	21.46		
3	16QAM	8	0	20.39	20.65	20.64		
3	16QAM	8	4	20.35	20.55	20.38	21.9	2
3	16QAM	8	7	20.28	20.57	20.47		
3	16QAM	15	0	20.35	20.58	20.45		
3	64QAM	1	0	20.49	20.56	20.51		
3	64QAM	1	8	20.34	20.46	20.47	21.9	2
3	64QAM	1	14	20.40	20.56	20.45		
3	64QAM	8	0	19.43	19.57	19.59		
3	64QAM	8	4	19.37	19.56	19.35	20.9	3
3	64QAM	8	7	19.37	19.57	19.42		
3	64QAM	15	0	19.41	19.49	19.58		
3	256QAM	1	0	17.36	17.59	17.60		
3	256QAM	1	8	17.44	17.42	17.48	18.9	5
3	256QAM	1	14	17.32	17.56	17.44		
3	256QAM	8	0	17.45	17.49	17.51		
3	256QAM	8	4	17.42	17.63	17.47	18.9	5
3	256QAM	8	7	17.35	17.45	17.45		
3	256QAM	15	0	17.46	17.57	17.39		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	22.51	22.60	22.46		
1.4	QPSK	1	3	22.34	22.51	22.49		
1.4	QPSK	1	5	22.32	22.55	22.41	23.9	0
1.4	QPSK	3	0	22.39	22.56	22.40		
1.4	QPSK	3	1	22.31	22.41	22.44		
1.4	QPSK	3	3	22.23	22.50	22.30		
1.4	QPSK	6	0	21.51	21.54	21.53	22.9	1
1.4	16QAM	1	0	21.42	21.56	21.45		
1.4	16QAM	1	3	21.30	21.56	21.52		
1.4	16QAM	1	5	21.36	21.57	21.45	22.9	1
1.4	16QAM	3	0	21.39	21.52	21.44		
1.4	16QAM	3	1	21.32	21.46	21.39		
1.4	16QAM	3	3	21.16	21.49	21.43		
1.4	16QAM	6	0	20.39	20.55	20.49	21.9	2
1.4	64QAM	1	0	20.50	20.60	20.50		
1.4	64QAM	1	3	20.31	20.54	20.51		
1.4	64QAM	1	5	20.32	20.49	20.50	21.9	2
1.4	64QAM	3	0	20.28	20.44	20.42		
1.4	64QAM	3	1	20.45	20.52	20.47		
1.4	64QAM	3	3	20.22	20.50	20.46		
1.4	64QAM	6	0	19.51	19.48	19.61	20.9	3
1.4	256QAM	1	0	17.44	17.68	17.56		
1.4	256QAM	1	3	17.35	17.43	17.53		
1.4	256QAM	1	5	17.38	17.58	17.38	18.9	5
1.4	256QAM	3	0	17.53	17.58	17.55		
1.4	256QAM	3	1	17.42	17.60	17.50		
1.4	256QAM	3	3	17.40	17.45	17.49		
1.4	256QAM	6	0	17.41	17.54	17.44	18.9	5

Band 7 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.17	24.24	24.20		
20	QPSK	1	49	24.06	24.18	24.18	25.5	0
20	QPSK	1	99	24.08	24.16	24.11		
20	QPSK	50	0	23.12	23.27	23.15		
20	QPSK	50	24	23.04	23.21	23.15		
20	QPSK	50	50	23.08	23.20	23.10	24.5	1
20	QPSK	100	0	23.15	23.26	23.16		
20	16QAM	1	0	23.15	23.22	23.15		
20	16QAM	1	49	23.05	23.14	23.17

Band 25 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	21.71	21.84	21.68	23.3	0
20	QPSK	1	49	21.60	21.73	21.55		
20	QPSK	1	99	21.50	21.61	21.59		
20	QPSK	50	0	20.61	20.77	20.69	22.3	1
20	QPSK	50	24	20.58	20.72	20.72		
20	QPSK	50	50	20.63	20.73	20.64		
20	QPSK	100	0	20.72	20.75	20.64		
20	16QAM	1	0	20.69	20.76	20.71	22.3	1
20	16QAM	1	49	20.71	20.81	20.63		
20	16QAM	1	99	20.69	20.79	20.71		
20	16QAM	50	0	19.74	19.73	19.66	21.3	2
20	16QAM	50	24	19.71	19.75	19.68		
20	16QAM	50	50	19.66	19.83	19.73		
20	16QAM	100	0	19.66	19.80	19.66		
20	64QAM	1	0	19.65	19.86	19.67	21.3	2
20	64QAM	1	49	19.64	19.81	19.70		
20	64QAM	1	99	19.72	19.78	19.68		
20	64QAM	50	0	18.59	18.73	18.69	20.3	3
20	64QAM	50	24	18.71	18.79	18.67		
20	64QAM	50	50	18.73	18.81	18.67		
20	64QAM	100	0	18.59	18.74	18.71		
20	256QAM	1	0	16.68	16.84	16.80	18.3	5
20	256QAM	1	49	16.65	16.73	16.66		
20	256QAM	1	99	16.68	16.80	16.68		
20	256QAM	50	0	16.68	16.78	16.73	18.3	5
20	256QAM	50	24	16.63	16.81	16.75		
20	256QAM	50	50	16.65	16.82	16.65		
20	256QAM	100	0	16.60	16.71	16.67		
Channel				26115	0.19	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	21.64	21.73	21.53	23.3	0
15	QPSK	1	37	21.46	21.65	21.45		
15	QPSK	1	74	21.39	21.47	21.53		
15	QPSK	36	0	20.48	20.71	20.56	22.3	1
15	QPSK	36	20	20.43	20.64	20.60		
15	QPSK	36	39	20.49	20.63	20.50		
15	QPSK	75	0	20.66	20.69	20.55		
15	16QAM	1	0	20.64	20.67	20.57	22.3	1
15	16QAM	1	37	20.64	20.66	20.56		
15	16QAM	1	74	20.60	20.72	20.64		
15	16QAM	36	0	19.58	19.61	19.57	21.3	2
15	16QAM	36	20	19.56	19.62	19.52		
15	16QAM	36	39	19.55	19.71	19.67		
15	16QAM	75	0	19.59	19.70	19.62		
15	64QAM	1	0	19.50	19.81	19.54	21.3	2
15	64QAM	1	37	19.55	19.74	19.59		
15	64QAM	1	74	19.60	19.66	19.63		
15	64QAM	36	0	18.48	18.62	18.55	20.3	3
15	64QAM	36	20	18.55	18.66	18.58		
15	64QAM	36	39	18.61	18.66	18.59		
15	64QAM	75	0	18.50	18.67	18.58		
15	256QAM	1	0	16.60	16.75	16.64	18.3	5
15	256QAM	1	37	16.58	16.64	16.56		
15	256QAM	1	74	16.59	16.74	16.54		
15	256QAM	36	0	16.60	16.66	16.65	18.3	5
15	256QAM	36	20	16.59	16.70	16.68		
15	256QAM	36	39	16.56	16.77	16.58		
15	256QAM	75	0	16.48	16.60	16.51		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	21.66	21.75	21.63	23.3	0
10	QPSK	1	25	21.44	21.65	21.50		
10	QPSK	1	49	21.35	21.47	21.47		
10	QPSK	25	0	20.49	20.71	20.63	22.3	1
10	QPSK	25	12	20.44	20.59	20.59		
10	QPSK	25	25	20.52	20.66	20.54		
10	QPSK	50	0	20.61	20.63	20.60		
10	16QAM	1	0	20.53	20.63	20.66	22.3	1
10	16QAM	1	25	20.63	20.72	20.50		
10	16QAM	1	49	20.55	20.63	20.60		
10	16QAM	25	0	19.62	19.64	19.54	21.3	2
10	16QAM	25	12	19.63	19.69	19.63		
10	16QAM	25	25	19.51	19.77	19.61		
10	16QAM	50	0	19.61	19.75	19.52		
10	64QAM	1	0	19.52	19.82	19.61	21.3	2
10	64QAM	1	25	19.53	19.65	19.59		
10	64QAM	1	49	19.64	19.66	19.64		
10	64QAM	25	0	18.48	18.69	18.55	20.3	3
10	64QAM	25	12	18.59	18.68	18.62		
10	64QAM	25	25	18.63	18.74	18.62		
10	64QAM	50	0	18.52	18.63	18.62		
10	256QAM	1	0	16.61	16.75	16.75	18.3	5
10	256QAM	1	25	16.51	16.63	16.50		
10	256QAM	1	49	16.60	16.73	16.63		
10	256QAM	25	0	16.56	16.71	16.62	18.3	5
10	256QAM	25	12	16.49	16.76	16.70		
10	256QAM	25	25	16.50	16.71	16.59		
10	256QAM	50	0	16.46	16.67	16.62		
Channel				26065	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	21.66	21.72	21.52	23.3	0
5	QPSK	1	12	21.53	21.57	21.45		
5	QPSK	1	24	21.42	21.48	21.50		
5	QPSK	12	0	20.51	20.72	20.65	22.3	1
5	QPSK	12	7	20.44	20.66	20.67		
5	QPSK	12	13	20.58	20.65	20.53		
5	QPSK	25	0	20.56	20.69	20.51		
5	16QAM	1	0	20.56	20.67	20.57	22.3	1
5	16QAM	1	12	20.61	20.74	20.56		
5	16QAM	1	24	20.57	20.73	20.60		
5	16QAM	12	0	19.60	19.67	19.59	21.3	2
5	16QAM	12	7	19.66	19.66	19.58		
5	16QAM	12	13	19.57	19.77	19.62		
5	16QAM	25	0	19.55	19.69	19.54		
5	64QAM	1	0	19.61	19.71	19.52	21.3	2
5	64QAM	1	12	19.56	19.72	19.60		
5	64QAM	1	24	19.60	19.64	19.54		
5	64QAM	12	0	18.44	18.57	18.61	20.3	3
5	64QAM	12	7	18.62	18.67	18.56		
5	64QAM	12	13	18.68	18.69	18.58		
5	64QAM	25	0	18.44	18.61	18.59		
5	256QAM	1	0	16.54	16.72	16.76	18.3	5
5	256QAM	1	12	16.56	16.69	16.55		
5	256QAM	1	24	16.62	16.67	16.54		
5	256QAM	12	0	16.52	16.65	16.60	18.3	5
5	256QAM	12	7	16.51	16.70	16.64		
5	256QAM	12	13	16.53	16.68	16.50		
5	256QAM	25	0	16.47	16.57	16.54		
Channel				26050	26340	26630	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	21.67	21.69	21.62	23.3	0
3	QPSK	1	8	21.55	21.67	21.39		
3	QPSK	1	14	21.42	21.54	21.51		
3	QPSK	8	0	20.45	20.61	20.61	22.3	1
3	QPSK	8	4	20.53	20.62	20.63		
3	QPSK	8	7	20.57	20.68	20.53		
3	QPSK	15	0	20.59	20.66	20.48		
3	16QAM	1	0	20.55	20.70	20.57	22.3	1
3	16QAM	1	8	20.63	20.73	20.59		
3	16QAM	1	14	20.56	20.71	20.66		
3	16QAM	8	0	19.63	19.60	19.52	21.3	2
3	16QAM	8	4	19.67	19.66	19.61		
3	16QAM	8	7	19.59	19.76	19.67		
3	16QAM	15	0	19.51	19.70	19.54		
3	64QAM	1	0	19.50	19.78	19.53	21.3	2
3	64QAM	1	8	19.48	19.75	19.60		
3	64QAM	1	14	19.67	19.65	19.57		
3	64QAM	8	0	18.48	18.67	18.57	20.3	3
3	64QAM	8	4	18.64	18.64	18.57		
3	64QAM	8	7	18.65	18.67	18.55		
3	64QAM	15	0	18.47	18.64	18.63		
3	256QAM	1	0	16.59	16.77	16.65	18.3	5
3	256QAM	1	8	16.57	16.65	16.50		
3	256QAM	1	14	16.59	16.67	16.53		
3	256QAM	8	0	16.60	16.70	16.61	18.3	5
3	256QAM	8	4	16.53	16.77	16.59		
3	256QAM	8	7	16.58	16.74	16.59		
3	256QAM	15	0	16.46	16.60	16.59		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	21.59	21.71	21.55	23.3	0
1.4	QPSK	1	3	21.60	21.73	21.52		
1.4	QPSK	1	5	21.65	21.77	21.53		
1.4	QPSK	3	0	21.63	21.77	21.58		
1.4	QPSK	3	1	21.56	21.72	21.59		
1.4	QPSK	3	3	21.59	21.71	21.58		
1.4	QPSK	6	0	20.68	20.81	20.68	22.3	1
1.4	16QAM	1	0	20.76	20.78	20.67	22.3	1
1.4	16QAM	1	3	20.71	20.88	20.72		
1.4	16QAM	1	5	20.75	20.90	20.67		
1.4	16QAM	3	0	20.74	20.80	20.69		
1.4	16QAM	3	1	20.69	20.82	20.67		
1.4	16QAM	3	3	20.70	20.84	20.70		
1.4	16QAM	6	0	19.66	19.84	19.73	21.3	2
1.4	64QAM	1	0	19.66	19.84	19.71	21.3	2
1.4	64QAM	1	3	19.71	19.86	19.73		
1.4	64QAM	1	5	19.66	19.87	19.70		
1.4	64QAM	3	0	19.75	19.81	19.73		
1.4	64QAM	3	1	19.68	19.81	19.66		
1.4	64QAM	3	3	19.77	19.83	19.67		
1.4	64QAM	6	0	18.72	18.87	18.66	20.3	3
1.4	256QAM	1	0	16.71	16.82	16.63	18.3	5
1.4	256QAM	1	3	16.74	16.80	16.74		
1.4	256QAM	1	5	16.68	16.88	16.74		
1.4	256QAM	3	0	16.65	16.80	16.70		
1.4	256QAM	3	1	16.76	16.79	16.71		
1.4	256QAM	3	3	16.69	16.83	16.67		
1.4	256QAM	6	0	16.71	16.83	16.67	18.3	5

Band 66 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	22.61	22.64	22.60	24.1	0
20	QPSK	1	49	22.54	22.59	22.53		
20	QPSK	1	99	22.51	22.57	22.46		
20	QPSK	50	0	21.62	21.68	21.64	23.1	1
20	QPSK	50	24	21.50	21.57	21.58		
20	QPSK	50	50	21.52	21.56	21.48		
20	QPSK	100	0	21.65	21.67	21.59		
20	16QAM	1	0	21.62	21.64	21.65	23.1	1
20	16QAM	1	49	21.51	21.56	21.47		
20	16QAM	1	99	21.55	21.57	21.42		
20	16QAM	50	0	20.60	20.69	20.66	22.1	2
20	16QAM	50	24	20.48	20.51	20.56		
20	16QAM	50	50	20.57	20.52	20.52		
20	16QAM	100	0	20.70	20.67	20.62		
20	64QAM	1	0	20.66	20.63	20.68	22.1	2
20	64QAM	1	49	20.47	20.59	20.46		
20	64QAM	1	99	20.60	20.60	20.47		
20	64QAM	50	0	19.61	19.72	19.62	21.1	3
20	64QAM	50	24	19.46	19.54	19.60		
20	64QAM	50	50	19.49	19.59	19.54		
20	64QAM	100	0	19.70	19.62	19.64		
20	256QAM	1	0	17.57	17.64	17.69	19.1	5
20	256QAM	1	49	17.51	17.60	17.57		
20	256QAM	1	99	17.47	17.61	17.45		
20	256QAM	50	0	17.63	17.62	17.57	19.1	5
20	256QAM	50	24	17.65	17.59	17.69		
20	256QAM	50	50	17.47	17.55	17.46		
20	256QAM	100	0	17.54	17.58	17.42		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	22.53	22.53	22.50	24.1	0
15	QPSK	1	37	22.50	22.53	22.45		
15	QPSK	1	74	22.39	22.46	22.37		
15	QPSK	36	0	21.54	21.59	21.51	23.1	1
15	QPSK	36	20	21.40	21.50	21.50		
15	QPSK	36	39	21.38	21.53	21.36		
15	QPSK	75	0	21.61	21.58	21.46		
15	16QAM	1	0	21.52	21.61	21.60	23.1	1
15	16QAM	1	37	21.47	21.43	21.44		
15	16QAM	1	74	21.41	21.45	21.31		
15	16QAM	36	0	20.50	20.61	20.58	22.1	2
15	16QAM	36	20	20.45	20.43	20.50		
15	16QAM	36	39	20.51	20.40	20.42		
15	16QAM	75	0	20.67	20.56	20.52		
15	64QAM	1	0	20.62	20.57	20.63	22.1	2
15	64QAM	1	37	20.39	20.45	20.44		
15	64QAM	1	74	20.53	20.55	20.37		
15	64QAM	36	0	19.51	19.60	19.57	21.1	3
15	64QAM	36	20	19.36	19.42	19.57		
15	64QAM	36	39	19.39	19.47	19.43		
15	64QAM	75	0	19.59	19.59	19.51		
15	256QAM	1	0	17.45	17.52	17.59	19.1	5
15	256QAM	1	37	17.45	17.50	17.51		
15	256QAM	1	74	17.45	17.58	17.38		
15	256QAM	36	0	17.54	17.52	17.48	19.1	5
15	256QAM	36	20	17.53	17.51	17.60		
15	256QAM	36	39	17.37	17.52	17.44		
15	256QAM	75	0	17.45	17.45	17.33		
Channel				132090	132322	132022	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	22.48	22.60	22.52	24.1	0
10	QPSK	1	25	22.41	22.54	22.39		
10	QPSK	1	49	22.47	22.43	22.43		
10	QPSK	25	0	21.48	21.66	21.53	23.1	1
10	QPSK	25	12	21.46	21.51	21.50		
10	QPSK	25	25	21.42	21.49	21.44		
10	QPSK	50	0	21.62	21.58	21.48		
10	16QAM	1	0	21.53	21.60	21.55	23.1	1
10	16QAM	1	25	21.41	21.49	21.36		
10	16QAM	1	49	21.51	21.44	21.30		
10	16QAM	25	0	20.47	20.58	20.61	22.1	2
10	16QAM	25	12	20.37	20.42	20.45		
10	16QAM	25	25	20.48	20.43	20.44		
10	16QAM	50	0	20.66	20.58	20.49		
10	64QAM	1	0	20.58	20.57	20.63	22.1	2
10	64QAM	1	25	20.44	20.54	20.36		
10	64QAM	1	49	20.51	20.50	20.37		
10	64QAM	25	0	19.55	19.64	19.55	21.1	3
10	64QAM	25	12	19.33	19.48	19.48		
10	64QAM	25	25	19.37	19.56	19.45		
10	64QAM	50	0	19.60	19.57	19.53	19.1	5
10	256QAM	1	0	17.49	17.50	17.65		
10	256QAM	1	25	17.38	17.57	17.53		
10	256QAM	1	49	17.44	17.54	17.34		
10	256QAM	25	0	17.56	17.50	17.51	19.1	5
10	256QAM	25	12	17.54	17.52	17.58		
10	256QAM	25	25	17.42	17.41	17.35		
10	256QAM	50	0	17.47	17.49	17.31		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	22.49	22.61	22.53	24.1	0
5	QPSK	1	12	22.43	22.56	22.50		
5	QPSK	1	24	22.38	22.43	22.41		
5	QPSK	12	0	21.51	21.55	21.59	23.1	1
5	QPSK	12	7	21.44	21.50	21.52		
5	QPSK	12	13	21.42	21.42	21.45		
5	QPSK	25	0	21.58	21.62	21.51		
5	16QAM	1	0	21.59	21.51	21.58	23.1	1
5	16QAM	1	12	21.40	21.44	21.38		
5	16QAM	1	24	21.52	21.45	21.30		
5	16QAM	12	0	20.47	20.58	20.63	22.1	2
5	16QAM	12	7	20.41	20.43	20.43		
5	16QAM	12	13	20.54	20.48	20.42		
5	16QAM	25	0	20.63	20.65	20.50		
5	64QAM	1	0	20.56	20.56	20.56	22.1	2
5	64QAM	1	12	20.41	20.48	20.44		
5	64QAM	1	24	20.57	20.48	20.33		
5	64QAM	12	0	19.48	19.64	19.49	21.1	3
5	64QAM	12	7	19.42	19.41	19.54		
5	64QAM	12	13	19.40	19.54	19.46		
5	64QAM	25	0	19.58	19.53	19.51		
5	256QAM	1	0	17.53	17.50	17.57	19.1	5
5	256QAM	1	12	17.45	17.56	17.53		
5	256QAM	1	24	17.37	17.51	17.36		
5	256QAM	12	0	17.51	17.57	17.51	19.1	5
5	256QAM	12	7	17.57	17.56	17.59		
5	256QAM	12	13	17.45	17.48	17.35		
5	256QAM	25	0	17.41	17.55	17.33		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	22.55	22.52	22.46	24.1	0
3	QPSK	1	8	22.45	22.51	22.41		
3	QPSK	1	14	22.48	22.49	22.34		
3	QPSK	8	0	21.57	21.56	21.56	23.1	1
3	QPSK	8	4	21.41	21.47	21.48		
3	QPSK	8	7	21.42	21.47	21.46		
3	QPSK	15	0	21.62	21.63	21.48		
3	16QAM	1	0	21.50	21.54	21.58	23.1	1
3	16QAM	1	8	21.48	21.48	21.37		
3	16QAM	1	14	21.50	21.47	21.34		
3	16QAM	8	0	20.49	20.65	20.62	22.1	2
3	16QAM	8	4	20.39	20.42	20.48		
3	16QAM	8	7	20.54	20.41	20.46		
3	16QAM	15	0	20.57	20.63	20.57		
3	64QAM	1	0	20.53	20.59	20.65	22.1	2
3	64QAM	1	8	20.41	20.46	20.35		
3	64QAM	1	14	20.51	20.48	20.40		
3	64QAM	8	0	19.50	19.64	19.51	21.1	3
3	64QAM	8	4	19.38	19.48	19.58		
3	64QAM	8	7	19.40	19.52	19.49		
3	64QAM	15	0	19.64	19.56	19.53		
3	256QAM	1	0	17.51	17.59	17.62	19.1	5
3	256QAM	1	8	17.41	17.58	17.49		
3	256QAM	1	14	17.43	17.59	17.36		
3	256QAM	8	0	17.55	17.51	17.52	19.1	5
3	256QAM	8	4	17.60	17.56	17.63		
3	256QAM	8	7	17.40	17.52	17.39		
3	256QAM	15	0	17.42	17.48	17.31		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	22.51	22.60	22.51	24.1	0
1.4	QPSK	1	3	22.48	22.54	22.42		
1.4	QPSK	1	5	22.41	22.53	22.43		
1.4	QPSK	3	0	22.45	22.57	22.44		
1.4	QPSK	3	1	22.43	22.48	22.39		
1.4	QPSK	3	3	22.36	22.46	22.31		
1.4	QPSK	6	0	21.53	21.63	21.56	23.1	1
1.4	16QAM	1	0	21.51	21.54	21.59	23.1	1
1.4	16QAM	1	3	21.46	21.43	21.43		
1.4	16QAM	1	5	21.52	21.45	21.34		
1.4	16QAM	3	0	21.43	21.53	21.44		
1.4	16QAM	3	1	21.47	21.48	21.46		
1.4	16QAM	3	3	21.34	21.33	21.41		
1.4	16QAM	6	0	20.66	20.57	20.54	22.1	2
1.4	64QAM	1	0	20.54	20.58	20.64	22.1	2
1.4	64QAM	1	3	20.41	20.49	20.34		
1.4	64QAM	1	5	20.47	20.48	20.36		
1.4	64QAM	3	0	20.57	20.51	20.48		
1.4	64QAM	3	1	20.47	20.54	20.56		
1.4	64QAM	3	3	20.31	20.44	20.30		
1.4	64QAM	6	0	19.68	19.54	19.52	21.1	3
1.4	256QAM	1	0	17.45	17.57	17.63	19.1	5
1.4	256QAM	1	3	17.43	17.52	17.45		
1.4	256QAM	1	5	17.41	17.49	17.40		
1.4	256QAM	3	0	17.52	17.54	17.45		
1.4	256QAM	3	1	17.60	17.46	17.57		
1.4	256QAM	3	3	17.43	17.49	17.40		
1.4	256QAM	6	0	17.40	17.50	17.40	19.1	5

Band 38 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.98	24.04	24.00	25.5	0
20	QPSK	1	49	23.95	24.01	23.96		
20	QPSK	1	99	23.94	24.00	23.95		
20	QPSK	50	0	22.99	23.09	22.97	24.5	1
20	QPSK	50	24	23.01	23.03	22.94		
20	QPSK	50	50	22.97	23.05	22.93		
20	QPSK	100	0	22.98	23.04	22.99		
20	16QAM	1	0	23.02	23.03	23.05	24.5	1
20	16QAM	1	49	23.01	22.96	22.99		
20	16QAM	1	99	22.95	23.01	22.94		
20	16QAM	50	0	22.04	22.08	21.92	23.5	2
20	16QAM	50	24	21.95	22.01	21.97		
20	16QAM	50	50	21.95	22.02	21.90		
20	16QAM	100	0	21.95	22.07	21.97		
20	64QAM	1	0	22.00	21.98	22.11	23.5	2
20	64QAM	1	49	21.98	21.94	22.03		
20	64QAM	1	99	21.90	21.98	21.92		
20	64QAM	50	0	20.97	21.04	20.93	22.5	3
20	64QAM	50	24	21.04	21.02	20.99		
20	64QAM	50	50	20.99	21.06	20.90		
20	64QAM	100	0	21.02	21.03	21.00		
20	256QAM	1	0	19.01	19.10	19.02	20.5	5
20	256QAM	1	49	19.01	18.98	18.94		
20	256QAM	1	99	18.99	19.11	18.96		
20	256QAM	50	0	19.02	19.02	18.96	20.5	5
20	256QAM	50	24	19.07	19.09	19.01		
20	256QAM	50	50	18.96	18.95	18.98		
20	256QAM	100	0	18.92	19.06	18.88		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.91	23.90	23.90	25.5	0
15	QPSK	1	37	23.85	23.91	23.89		
15	QPSK	1	74	23.89	23.94	23.91		
15	QPSK	36	0	22.96	22.97	22.91	24.5	1
15	QPSK	36	20	22.93	22.94	22.85		
15	QPSK	36	39	22.87	23.02	22.80		
15	QPSK	75	0	22.92	22.97	22.88		
15	16QAM	1	0	22.91	22.99	22.95	24.5	1
15	16QAM	1	37	22.92	22.90	22.93		
15	16QAM	1	74	22.82	22.88	22.81		
15	16QAM	36	0	21.92	22.02	21.87	23.5	2
15	16QAM	36	20	21.86	21.89	21.88		
15	16QAM	36	39	21.81	21.96	21.82		
15	16QAM	75	0	21.89	21.94	21.93		
15	64QAM	1	0	21.89	21.92	22.02	23.5	2
15	64QAM	1	37	21.95	21.85	21.96		
15	64QAM	1	74	21.84	21.87	21.84		
15	64QAM	36	0	20.85	20.99	20.80	22.5	3
15	64QAM	36	20	20.93	20.89	20.94		
15	64QAM	36	39	20.85	20.98	20.82		
15	64QAM	75	0	20.98	20.89	20.88		
15	256QAM	1	0	18.98	18.97	18.97	20.5	5
15	256QAM	1	37	18.95	18.93	18.90		
15	256QAM	1	74	18.96	19.04	18.93		
15	256QAM	36	0	18.96	18.92	18.87	20.5	5
15	256QAM	36	20	19.05	18.97	18.89		
15	256QAM	36	39	18.83	18.92	18.94		
15	256QAM	75	0	18.89	19.04	18.79		
Channel				37800	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.89	24.01	23.88	25.5	0
10	QPSK	1	25	23.87	23.94	23.92		
10	QPSK	1	49	23.87	23.92	23.87		
10	QPSK	25	0	22.95	22.98	22.90	24.5	1
10	QPSK	25	12	22.93	22.95	22.81		
10	QPSK	25	25	22.89	22.95	22.79		
10	QPSK	50	0	22.90	22.91	22.91	24.5	1
10	16QAM	1	0	22.93	22.97	22.91		
10	16QAM	1	25	22.91	22.90	22.89		
10	16QAM	1	49	22.87	22.95	22.88		
10	16QAM	25	0	21.97	22.04	21.87	23.5	2
10	16QAM	25	12	21.82	21.94	21.88		
10	16QAM	25	25	21.91	21.95	21.78		
10	16QAM	50	0	21.88	22.01	21.93		
10	64QAM	1	0	21.97	21.93	22.03	23.5	2
10	64QAM	1	25	21.94	21.87	22.00		
10	64QAM	1	49	21.76	21.92	21.87		
10	64QAM	25	0	20.94	20.95	20.84	22.5	3
10	64QAM	25	12	20.94	20.94	20.86		
10	64QAM	25	25	20.86	21.00	20.85		
10	64QAM	50	0	20.90	20.94	20.96		
10	256QAM	1	0	18.98	19.04	19.00	20.5	5
10	256QAM	1	25	18.92	18.85	18.88		
10	256QAM	1	49	18.96	18.98	18.91		
10	256QAM	25	0	18.89	18.95	18.85	20.5	5
10	256QAM	25	12	18.93	19.03	18.91		
10	256QAM	25	25	18.88	18.87	18.94		
10	256QAM	50	0	18.81	18.93	18.83		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.95	23.97	23.86	25.5	0
5	QPSK	1	12	23.90	23.95	23.88		
5	QPSK	1	24	23.84	23.95	23.84		
5	QPSK	12	0	22.87	23.03	22.86	24.5	1
5	QPSK	12	7	22.87	23.00	22.84		
5	QPSK	12	13	22.91	22.98	22.87		
5	QPSK	25	0	22.91	22.94	22.95		
5	16QAM	1	0	22.93	22.97	22.99	24.5	1
5	16QAM	1	12	22.96	22.91	22.89		
5	16QAM	1	24	22.83	22.88	22.85		
5	16QAM	12	0	21.92	21.97	21.88	23.5	2
5	16QAM	12	7	21.88	21.90	21.92		
5	16QAM	12	13	21.81	21.95	21.78		
5	16QAM	25	0	21.89	22.00	21.87		
5	64QAM	1	0	21.90	21.94	22.07	23.5	2
5	64QAM	1	12	21.87	21.86	21.95		
5	64QAM	1	24	21.82	21.88	21.86		
5	64QAM	12	0	20.93	20.91	20.86	22.5	3
5	64QAM	12	7	20.95	20.96	20.88		
5	64QAM	12	13	20.88	20.93	20.83		
5	64QAM	25	0	20.99	20.99	20.87		
5	256QAM	1	0	18.93	19.06	18.94	20.5	5
5	256QAM	1	12	18.94	18.93	18.83		
5	256QAM	1	24	18.90	18.97	18.89		
5	256QAM	12	0	18.92	18.88	18.85	20.5	5
5	256QAM	12	7	18.99	19.06	18.97		
5	256QAM	12	13	18.88	18.88	18.94		
5	256QAM	25	0	18.78	18.95	18.84		

Band 41 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.09	23.98	24.11	24.02	24.07	25.5	0
20	QPSK	1	49	24.00	23.90	24.08	23.90	24.00		
20	QPSK	1	99	23.98	23.90	24.07	23.97	23.99		
20	QPSK	50	0	23.05	22.96	23.13	23.06	23.12	24.5	1
20	QPSK	50	24	23.05	22.88	23.02	22.89	23.02		
20	QPSK	50	50	22.93	22.85	23.06	22.95	23.02		
20	QPSK	100	0	23.08	23.03	23.12	22.98	23.05		
20	16QAM	1	0	23.07	22.95	23.09	23.02	23.04	24.5	1
20	16QAM	1	49	22.95	22.93	23.10	22.86	23.00		
20	16QAM	1	99	22.94	22.90	23.02	22.98	23.03		
20	16QAM	50	0	22.00	21.97	22.10	22.08	22.14	23.5	2
20	16QAM	50	24	22.05	21.87	22.06	21.91	21.98		
20	16QAM	50	50	21.91	21.86	22.05	21.92	22.03		
20	16QAM	100	0	22.08	22.02	22.17	22.04	22.10		
20	64QAM	1	0	22.07	21.93	22.09	22.07	22.05	23.5	2
20	64QAM	1	49	21.96	21.94	22.09	21.89	21.99		
20	64QAM	1	99	21.94	21.91	22.04	21.93	22.00		
20	64QAM	50	0	21.01	20.91	21.08	21.04	21.13	22.5	3
20	64QAM	50	24	21.05	20.85	20.99	20.95	21.05		
20	64QAM	50	50	20.94	20.89	21.12	20.97	21.03		
20	64QAM	100	0	21.14	21.07	21.09	20.96	21.09		
20	256QAM	1	0	19.05	18.95	19.19	19.08	19.14	20.5	5
20	256QAM	1	49	19.08	18.86	19.01	18.92	19.08		
20	256QAM	1	99	18.92	18.85	19.10	18.93	19.06		
20	256QAM	50	0	19.06	19.07	19.15	19.03	19.04	20.5	5
20	256QAM	50	24	19.04	18.91	19.13	18.98	19.02		
20	256QAM	50	50	18.93	18.92	19.05	18.82	19.03		
20	256QAM	100	0	18.95	18.86	18.99	19.03	18.97		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.00	23.93	24.02	23.95	23.99	26	0
15	QPSK	1	37	23.97	23.85	23.97	23.86	23.88		
15	QPSK	1	74	23.92	23.80	23.99	23.90	23.90		
15	QPSK	36	0	22.92	22.90	23.05	23.03	22.99	24.5	1
15	QPSK	36	20	22.95	22.79	22.98	22.79	22.92		
15	QPSK	36	39	22.84	22.73	23.00	22.92	22.89		
15	QPSK	75	0	23.06	22.92	23.05	22.86	23.01		
15	16QAM	1	0	23.03	22.81	23.01	22.99	23.00	24.5	1
15	16QAM	1	37	22.91	22.86	23.00	22.83	22.91		
15	16QAM	1	74	22.84	22.81	22.93	22.85	22.92		
15	16QAM	36	0	21.96	21.95	22.04	21.99	22.07	23.5	2
15	16QAM	36	20	21.99	21.75	22.03	21.89	21.89		
15	16QAM	36	39	21.87	21.77	21.94	21.79	21.96		
15	16QAM	75	0	21.99	21.99	22.08	21.96	22.01		
15	64QAM	1	0	22.01	21.87	22.02	21.97	21.94	23.5	2
15	64QAM	1	37	21.89	21.81	21.99	21.80	21.93		
15	64QAM	1	74	21.89	21.81	21.93	21.87	21.88		
15	64QAM	36	0	20.92	20.80	21.03	20.96	21.09	22.5	3
15	64QAM	36	20	20.93	20.74	20.87	20.90	20.92		
15	64QAM	36	39	20.83	20.79	21.03	20.94	20.95		
15	64QAM	75	0	21.09	21.02	21.05	20.88	21.01		
15	256QAM	1	0	19.01	18.91	19.10	19.05	19.04	20.5	5
15	256QAM	1	37	19.05	18.82	18.91	18.88	19.02		
15	256QAM	1	74	18.84	18.82	19.03	18.81	19.00		
15	256QAM	36	0	18.94	18.95	19.03	18.96	18.94	20.5	5
15	256QAM	36	20	19.02	18.81	19.04	18.96	18.94		
15	256QAM	36	39	18.88	18.89	18.93	18.75	18.90		
15	256QAM	75	0	18.86	18.83	18.91	18.97	18.85		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.05	23.90	24.05	23.93	23.95	26	0
10	QPSK	1	25	23.92	23.84	23.98	23.86	23.87		
10	QPSK	1	49	23.92	23.85	24.04	23.85	23.91		
10	QPSK	25	0	22.95	22.91	23.00	22.93	23.08	24.5	1
10	QPSK	25	12	22.95	22.81	22.94	22.87	22.91		
10	QPSK	25	25	22.91	22.71	23.04	22.86	22.93		
10	QPSK	50	0	22.99	22.91	23.01	22.90	23.03	24.5	1
10	16QAM	1	0	22.99	22.86	23.07	23.00	23.02		
10	16QAM	1	25	22.83	22.84	23.04	22.77	22.92		
10	16QAM	1	49	22.86	22.88	22.88	22.96	22.94	23.5	2
10	16QAM	25	0	21.90	21.91	22.00	22.02	22.01		
10	16QAM	25	12	21.95	21.73	22.03	21.79	21.85		
10	16QAM	25	25	21.79	21.73	21.99	21.89	21.92		
10	16QAM	50	0	22.06	21.97	22.15	21.95	22.07		
10	64QAM	1	0	21.99	21.90	22.04	21.96	22.00	23.5	2
10	64QAM	1	25	21.89	21.83	21.97	21.83	21.88		
10	64QAM	1	49	21.86	21.88	21.93	21.81	21.96		
10	64QAM	25	0	20.94	20.86	20.94	20.99	21.00	22.5	3
10	64QAM	25	12	20.94	20.72	20.96	20.85	20.93		
10	64QAM	25	25	20.86	20.76	21.10	20.85	20.90		
10	64QAM	50	0	21.01	21.01	21.01	20.94	20.97		
10	256QAM	1	0	18.94	18.88	19.10	19.00	19.06	20.5	5
10	256QAM	1	25	18.99	18.72	18.94	18.81	18.96		
10	256QAM	1	49	18.83	18.75	18.98	18.82	18.95		
10	256QAM	25	0	18.98	18.99	19.13	18.89	18.92	20.5	5
10	256QAM	25	12	18.94	18.86	19.00	18.89	18.89		
10	256QAM	25	25	18.88	18.83	19.03	18.74	18.99		
10	256QAM	50	0	18.86	18.79	18.89	18.92	18.92		
Channel				39675	40140	40620	41093	41565	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.96	23.92	24.04	23.96	23.94	26	0
5	QPSK	1	12	23.93	23.79	24.02	23.80	23.91		
5	QPSK	1	24	23.89	23.84	24.03	23.92	23.96		
5	QPSK	12	0	22.98	22.89	23.11	22.94	23.05	24.5	1
5	QPSK	12	7	22.99	22.81	22.96	22.83	22.95		
5	QPSK	12	13	22.82	22.73	23.02	22.87	22.97		
5	QPSK	25	0	22.94	22.89	23.03	22.84	22.91		
5	16QAM	1	0	23.04	22.92	22.96	22.90	22.99	24.5	1
5	16QAM	1	12	22.89	22.89	23.06	22.73	22.87		
5	16QAM	1	24	22.89	22.77	22.98	22.94	22.95		
5	16QAM	12	0	21.91	21.95	22.02	21.97	22.09	23.5	2
5	16QAM	12	7	21.94	21.80	21.99	21.78	21.88		
5	16QAM	12	13	21.84	21.75	21.94	21.88	21.92		
5	16QAM	25	0	21.94	21.93	22.15	21.94	22.07		
5	64QAM	1	0	22.01	21.82	22.06	21.96	21.93	23.5	2
5	64QAM	1	12	21.92	21.81	22.05	21.76	21.96		
5	64QAM	1	24	21.83	21.86	21.97	21.87	21.88		
5	64QAM	12	0	20.94	20.88	21.04	20.91	20.99	22.5	3
5	64QAM	12	7	20.93	20.81	20.89	20.86	20.93		
5	64QAM	12	13	20.84	20.87	21.01	20.94	20.94		
5	64QAM	25	0	21.08	21.03	21.05	20.92	20.95		
5	256QAM	1	0	19.00	18.93	19.14	19.00	19.12	20.5	5
5	256QAM	1	12	18.98	18.83	18.89	18.87	19.01		
5	256QAM	1	24	18.78	18.81	19.03	18.88	19.04		
5	256QAM	12	0	18.92	19.01	19.05	18.91	19.00	20.5	5
5	256QAM	12	7	18.99	18.82	19.10	18.91	18.99		
5	256QAM	12	13	18.82	18.82	19.02	18.69	18.95		
5	256QAM	25	0	18.81	18.81	18.96	18.99	18.93		

Band 42 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	21.79	21.87	21.83	23.3	0
20	QPSK	1	49	21.72	21.84	21.74		
20	QPSK	1	99	21.68	21.81	21.70		
20	QPSK	50	0	20.76	20.93	20.84	22.3	1
20	QPSK	50	24	20.69	20.82	20.79		
20	QPSK	50	50	20.63	20.82	20.67		
20	QPSK	100	0	20.79	20.92	20.78		
20	16QAM	1	0	20.80	20.90	20.83	22.3	1
20	16QAM	1	49	20.78	20.90	20.70		
20	16QAM	1	99	20.63	20.86	20.65		
20	16QAM	50	0	19.77	19.92	19.85	21.3	2
20	16QAM	50	24	19.74	19.80	19.77		
20	16QAM	50	50	19.67	19.82	19.69		
20	16QAM	100	0	19.73	19.94	19.80		
20	64QAM	1	0	19.83	19.95	19.82	21.3	2
20	64QAM	1	49	19.80	19.88	19.64		
20	64QAM	1	99	19.60	19.84	19.66		
20	64QAM	50	0	18.76	18.98	18.78	20.3	3
20	64QAM	50	24	18.71	18.79	18.82		
20	64QAM	50	50	18.57	18.77	18.68		
20	64QAM	100	0	18.76	18.93	18.80		
20	256QAM	1	0	16.73	16.97	16.88	18.3	5
20	256QAM	1	49	16.68	16.85	16.80		
20	256QAM	1	99	16.59	16.80	16.70		
20	256QAM	50	0	16.73	16.87	16.74	18.3	5
20	256QAM	50	24	16.76	16.94	16.84		
20	256QAM	50	50	16.79	16.87	16.72		
20	256QAM	100	0	16.68	16.84	16.65		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	21.67	21.78	21.79	23.3	0
15	QPSK	1	37	21.58	21.74	21.64		
15	QPSK	1	74	21.61	21.69	21.65		
15	QPSK	36	0	20.63	20.85	20.82	22.3	1
15	QPSK	36	20	20.66	20.75	20.71		
15	QPSK	36	39	20.50	20.78	20.64		
15	QPSK	75	0	20.76	20.85	20.69		
15	16QAM	1	0	20.71	20.76	20.79	22.3	1
15	16QAM	1	37	20.65	20.81	20.59		
15	16QAM	1	74	20.56	20.83	20.56		
15	16QAM	36	0	19.70	19.80	19.76	21.3	2
15	16QAM	36	20	19.66	19.74	19.68		
15	16QAM	36	39	19.62	19.71	19.60		
15	16QAM	75	0	19.63	19.87	19.68		
15	64QAM	1	0	19.76	19.85	19.78	21.3	2
15	64QAM	1	37	19.69	19.82	19.57		
15	64QAM	1	74	19.53	19.72	19.54		
15	64QAM	36	0	18.74	18.89	18.66	20.3	3
15	64QAM	36	20	18.65	18.70	18.76		
15	64QAM	36	39	18.52	18.64	18.61		
15	64QAM	75	0	18.72	18.91	18.67		
15	256QAM	1	0	16.63	16.83	16.76	18.3	5
15	256QAM	1	37	16.63	16.79	16.76		
15	256QAM	1	74	16.49	16.67	16.67		
15	256QAM	36	0	16.63	16.75	16.63	18.3	5
15	256QAM	36	20	16.67	16.89	16.75		
15	256QAM	36	39	16.69	16.83	16.64		
15	256QAM	75	0	16.55	16.80	16.51		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	21.69	21.74	21.74	23.3	0
10	QPSK	1	25	21.69	21.72	21.61		
10	QPSK	1	49	21.65	21.68	21.66		
10	QPSK	25	0	20.70	20.79	20.82	22.3	1
10	QPSK	25	12	20.59	20.79	20.75		
10	QPSK	25	25	20.54	20.77	20.56		
10	QPSK	50	0	20.76	20.80	20.70	22.3	1
10	16QAM	1	0	20.72	20.77	20.75		
10	16QAM	1	25	20.67	20.87	20.59		
10	16QAM	1	49	20.51	20.74	20.63		
10	16QAM	25	0	19.75	19.89	19.74	21.3	2
10	16QAM	25	12	19.69	19.70	19.69		
10	16QAM	25	25	19.58	19.70	19.56		
10	16QAM	50	0	19.68	19.82	19.69	21.3	2
10	64QAM	1	0	19.73	19.87	19.78		
10	64QAM	1	25	19.77	19.77	19.55		
10	64QAM	1	49	19.51	19.74	19.60		
10	64QAM	25	0	18.68	18.91	18.69	20.3	3
10	64QAM	25	12	18.68	18.66	18.72		
10	64QAM	25	25	18.44	18.70	18.57		
10	64QAM	50	0	18.68	18.91	18.75		
10	256QAM	1	0	16.67	16.91	16.83	18.3	5
10	256QAM	1	25	16.63	16.78	16.75		
10	256QAM	1	49	16.52	16.77	16.64		
10	256QAM	25	0	16.68	16.75	16.61	18.3	5
10	256QAM	25	12	16.73	16.81	16.79		
10	256QAM	25	25	16.70	16.77	16.59		
10	256QAM	50	0	16.65	16.74	16.61		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	21.68	21.79	21.70	23.3	0
5	QPSK	1	12	21.70	21.74	21.70		
5	QPSK	1	24	21.63	21.76	21.61		
5	QPSK	12	0	20.71	20.89	20.77	22.3	1
5	QPSK	12	7	20.63	20.74	20.76		
5	QPSK	12	13	20.55	20.75	20.55		
5	QPSK	25	0	20.75	20.83	20.65		
5	16QAM	1	0	20.76	20.85

		WCDMA II Ant7 Default				WCDMA IV Ant7 Default			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.81	19.94	19.81	21.30	19.44	19.52	19.38	21.00
3GPP Rel 99	RMC 12.2Kbps	19.94	19.96	19.85	21.30	19.48	19.58	19.42	21.00
3GPP Rel 6	HSDPA Subtest-1	18.93	18.98	18.88	20.30	18.50	18.58	18.50	20.00
3GPP Rel 6	HSDPA Subtest-2	18.88	18.92	18.97	20.30	18.50	18.51	18.55	20.00
3GPP Rel 6	HSDPA Subtest-3	18.35	18.44	18.45	19.80	17.98	18.04	18.01	19.50
3GPP Rel 6	HSDPA Subtest-4	18.39	18.54	18.43	19.80	18.04	18.17	17.98	19.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.94	18.94	18.92	20.30	18.58	18.48	18.55	20.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.88	18.90	18.80	20.30	18.44	18.47	18.37	20.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.37	18.41	18.41	19.80	17.92	18.04	18.03	19.50
3GPP Rel 8	DC-HSDPA Subtest-4	18.38	18.41	18.33	19.80	18.00	17.99	17.92	19.50
3GPP Rel 6	HSUPA Subtest-1	18.87	18.96	18.88	20.30	18.53	18.60	18.46	20.00
3GPP Rel 6	HSUPA Subtest-2	16.96	16.95	16.84	18.30	16.57	16.52	16.47	18.00
3GPP Rel 6	HSUPA Subtest-3	17.93	17.94	17.84	19.30	17.55	17.52	17.38	19.00
3GPP Rel 6	HSUPA Subtest-4	16.99	17.00	16.93	18.30	16.62	16.64	16.58	18.00
3GPP Rel 6	HSUPA Subtest-5	18.91	18.92	18.92	20.30	18.56	18.54	18.47	20.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.46	16.46	16.42	17.80	16.04	16.09	16.07	17.50

Band 2 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	20.10	20.21	20.09		
20	QPSK	1	49	19.92	20.16	19.99	21.6	0
20	QPSK	1	99	19.94	20.04	19.91		
20	QPSK	50	0	18.99	19.15	19.12		
20	QPSK	50	24	19.01	19.08	19.14	20.6	1
20	QPSK	50	50	19.02	19.08	19.06		
20	QPSK	100	0	19.12	19.23	19.04		
20	16QAM	1	0	19.06	19.15	19.09		
20	16QAM	1	49	19.01	19.26	19.06	20.6	1
20	16QAM	1	99	19.12	19.14	19.10		
20	16QAM	50	0	18.14	18.14	18.09		
20	16QAM	50	24	18.15	18.15	18.17	19.6	2
20	16QAM	50	50	18.10	18.20	18.15		
20	16QAM	100	0	18.14	18.23	18.07		
20	64QAM	1	0	18.01	18.27	18.04		
20	64QAM	1	49	17.99	18.27	18.03	19.6	2
20	64QAM	1	99	18.05	18.26	18.11		
20	64QAM	50	0	17.00	17.17	17.05		
20	64QAM	50	24	17.16	17.15	17.05	18.6	3
20	64QAM	50	50	17.05	17.21	17.10		
20	64QAM	100	0	17.00	17.22	17.10		
20	256QAM	1	0	15.18	15.29	15.30		
20	256QAM	1	49	15.19	15.33	15.25	16.6	5
20	256QAM	1	99	15.22	15.29	15.28		
20	256QAM	50	0	15.40	15.40	15.13		
20	256QAM	50	24	15.21	15.46	15.21	16.6	5
20	256QAM	50	50	15.22	15.36	15.19		
20	256QAM	100	0	15.28	15.33	15.26		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.95	20.09	20.03		
15	QPSK	1	37	19.80	20.01	19.92	21.6	0
15	QPSK	1	74	19.87	19.99	19.85		
15	QPSK	36	0	18.89	19.10	18.97		
15	QPSK	36	20	18.92	19.04	19.10	20.6	1
15	QPSK	36	39	18.86	18.94	18.97		
15	QPSK	75	0	19.06	19.15	18.96		
15	16QAM	1	0	19.01	19.06	18.99		
15	16QAM	1	37	18.95	19.13	19.01	20.6	1
15	16QAM	1	74	18.96	18.99	19.03		
15	16QAM	36	0	18.07	18.04	17.96		
15	16QAM	36	20	18.01	18.02	18.05	19.6	2
15	16QAM	36	39	17.96	18.15	18.02		
15	16QAM	75	0	18.04	18.11	17.94		
15	64QAM	1	0	17.86	18.22	17.88		
15	64QAM	1	37	17.86	18.11	17.96	19.6	2
15	64QAM	1	74	17.99	18.15	17.97		
15	64QAM	36	0	16.92	17.13	16.89		
15	64QAM	36	20	17.11	17.02	17.00	18.6	3
15	64QAM	36	39	16.94	17.10	16.95		
15	64QAM	75	0	16.89	17.11	16.94		
15	256QAM	1	0	15.23	15.26	15.26		
15	256QAM	1	37	15.19	15.29	15.21	16.6	5
15	256QAM	1	74	15.26	15.32	15.32		
15	256QAM	36	0	15.39	15.45	15.19		
15	256QAM	36	20	15.19	15.41	15.22	16.6	5
15	256QAM	36	39	15.21	15.43	15.23		
15	256QAM	75	0	15.27	15.31	15.28		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.97	20.16	20.02		
10	QPSK	1	25	19.88	20.04	19.84	21.6	0
10	QPSK	1	49	19.89	19.90	19.82		
10	QPSK	25	0	18.90	19.04	19.07		
10	QPSK	25	12	18.87	18.98	19.05	20.6	1
10	QPSK	25	25	18.98	19.03	19.01		
10	QPSK	50	0	19.04	19.13	18.96		
10	16QAM	1	0	18.96	19.05	19.02		
10	16QAM	1	25	18.94	19.18	18.90	20.6	1
10	16QAM	1	49	19.02	19.10	18.98		
10	16QAM	25	0	18.04	17.99	17.99		
10	16QAM	25	12	18.00	18.10	18.03	19.6	2
10	16QAM	25	25	17.97	18.06	18.07		
10	16QAM	50	0	18.05	18.10	18.00		
10	64QAM	1	0	17.95	18.21	18.00		
10	64QAM	1	25	17.91	18.15	17.87	19.6	2
10	64QAM	1	49	17.90	18.22	18.01		
10	64QAM	25	0	16.95	17.06	16.90		
10	64QAM	25	12	17.02	17.07	17.00	18.6	3
10	64QAM	25	25	16.95	17.16	17.03		
10	64QAM	50	0	16.91	17.16	17.02		
10	256QAM	1	0	15.11	15.28	15.23		
10	256QAM	1	25	15.11	15.21	15.16	16.6	5
10	256QAM	1	49	15.19	15.21	15.26		
10	256QAM	25	0	15.33	15.39	15.18		
10	256QAM	25	12	15.11	15.41	15.20	16.6	5
10	256QAM	25	25	15.14	15.29	15.11		
10	256QAM	50	0	15.25	15.30	15.28		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	20.05	20.08	20.00		
5	QPSK	1	12	19.85	20.06	19.93	21.6	0
5	QPSK	1	24	19.89	19.91	19.87		
5	QPSK	12	0	18.95	19.05	19.07		
5	QPSK	12	7	18.96	18.97	19.05	20.6	1
5	QPSK	12	13	18.95	18.96	18.99		
5	QPSK	25	0	19.01	19.11	18.98		
5	16QAM	1	0	19.01	19.05	19.00		
5	16QAM	1	12	18.95	19.14	19.00	20.6	1
5	16QAM	1	24	19.06	19.09	18.97		
5	16QAM	12	0	18.06	18.00	17.96		
5	16QAM	12	7	18.03	18.09	18.09	19.6	2
5	16QAM	12	13	18.03	18.14	18.05		
5	16QAM	25	0	18.00	18.10	17.94		
5	64QAM	1	0	17.89	18.18	17.97		
5	64QAM	1	12	17.89	18.17	17.90	19.6	2
5	64QAM	1	24	17.90	18.15	17.98		
5	64QAM	12	0	16.86	17.02	16.98		
5	64QAM	12	7	17.04	17.02	16.99	18.6	3
5	64QAM	12	13	16.94	17.06	17.00		
5	64QAM	25	0	16.91	17.16	16.96		
5	256QAM	1	0	15.15	15.20	15.19		
5	256QAM	1	12	15.19	15.28	15.12	16.6	5
5	256QAM	1	24	15.29	15.21	15.22		
5	256QAM	12	0	15.32	15.39	15.09		
5	256QAM	12	7	15.11	15.36	15.21	16.6	5
5	256QAM	12	13	15.21	15.31	15.12		
5	256QAM	25	0	15.14	15.21	15.25		
Channel				18575	18900	19225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	20.03	20.09	19.98		
3	QPSK	1	8	19.79	20.11	19.86	21.6	0
3	QPSK	1	14	19.83	19.90	19.83		
3	QPSK	8	0	18.89	19.02	19.04		
3	QPSK	8	4	18.85	19.02	18.99	20.6	1
3	QPSK	8	7	18.95	19.01	18.92		
3	QPSK	15	0	19.06	19.11	18.95		
3	16QAM	1	0	18.96	19.10	18.93		
3	16QAM	1	8	18.86	19.22	18.91	20.6	1
3	16QAM	1	14	19.04	19.03	18.97		
3	16QAM	8	0	18.07	18.05	18.04		
3	16QAM	8	4	18.08	18.03	18.09	19.6	2
3	16QAM	8	7	17.98	18.05	18.01		
3	16QAM	15	0	17.98	18.17	18.01		
3	64QAM	1	0	17.96	18.18	17.90		
3	64QAM	1	8	17.88	18.17	17.95	19.6	2
3	64QAM	1	14	18.00	18.14	17.97		
3	64QAM	8	0	16.88	17.02	16.96		
3	64QAM	8	4	17.02	17.05	16.91	18.6	3
3	64QAM	8	7	16.95	17.06	17.01		
3	64QAM	15	0	16.94	17.13	16.99		
3	256QAM	1	0	15.15	15.25	15.22		
3	256QAM	1	8	15.10	15.33	15.23	16.6	5
3	256QAM	1	14	15.19	15.26	15.24		
3	256QAM	8	0	15.26	15.39	15.18		
3	256QAM	8	4	15.09	15.38	15.20	16.6	5
3	256QAM	8	7	15.11	15.34	15.17		
3	256QAM	15	0	15.23	15.27	15.27		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.01	20.08	20.02		
1.4	QPSK	1	3	19.99	20.13	19.95		
1.4	QPSK	1	5	19.99	20.11	20.05	21.6	0
1.4	QPSK	3	0	19.97	20.17	20.04		
1.4	QPSK	3	1	20.03	20.08	19.97		
1.4	QPSK	3	3	20.01	20.12	20.04		
1.4	QPSK	6	0	19.06	19.20	19.11	20.6	1
1.4	16QAM	1	0	19.15	19.25	19.04		
1.4	16QAM	1	3	19.10	19.16	19.06		
1.4	16QAM	1	5	19.09	19.25	19.10	20.6	1
1.4	16QAM	3	0	19.11	19.21	19.08		
1.4	16QAM	3	1	19.07	19.27	19.13		
1.4	16QAM	3	3	19.07	19.21	19.13		
1.4	16QAM	6	0	18.08	18.20	18.15	19.6	2
1.4	64QAM	1	0	18.11	18.24	18.05		
1.4	64QAM	1	3	18.11	18.22	18.14		
1.4	64QAM	1	5	18.06	18.20	18.07	19.6	2
1.4	64QAM	3	0	18.11	18.18	18.13		
1.4	64QAM	3	1	18.12	18.17	18.05		
1.4	64QAM	3	3	18.15	18.19	18.08		
1.4	64QAM	6	0	17.11	17.20	17.05	18.6	3
1.4	256QAM	1	0	15.08	15.26	15.12		
1.4	256QAM	1	3	15.12	15.25	15.12		
1.4	256QAM	1	5	15.15	15.23	15.07	16.6	5
1.4	256QAM	3	0	15.15	15.17	15.10		
1.4	256QAM	3	1	15.06	15.17	15.04		
1.4	256QAM	3	3	15.10	15.24	15.03		
1.4	256QAM	6	0	15.04	15.26	15.07	16.6	5

Band 4 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.50	20.55	20.39		
20	QPSK	1	49	20.27	20.47	20.32	22	0
20	QPSK	1	99	20.34	20.51	20.23		
20	QPSK	50	0	19.29	19.54	19.42		
20	QPSK	50	24	19.36	19.39	19.53	21	1
20	QPSK	50	50	19.31	19.45	19.47		
20	QPSK	100	0	19.53	19.62	19.36		
20	16QAM	1	0	19.44	19.44	19.47		
20	16QAM	1	49	19.31	19.62	19.38	21	1
20	16QAM	1	99	19.52	19.54	19.40		
20	16QAM	50	0	18.51	18.51	18.42		
20	16QAM	50	24	18.48	18.54	18.47	20	2
20	16QAM	50	50	18.40	18.53	18.44		
20	16QAM	100	0	18.44	18.61	18.47		
20	64QAM	1	0	18.41	18.55	18.43		
20	64QAM	1	49	18.30	18.63	18.34	20	2
20	64QAM	1	99	18.37	18.59	18.49		
20	64QAM	50	0	17.33	17.53	17.45		
20	64QAM	50	24	17.50	17.48	17.40	19	3
20	64QAM	50	50	17.44	17.60	17.49		
20	64QAM	100	0	17.35	17.57	17.41		
20	256QAM	1	0	15.59	15.59	15.63		
20	256QAM	1	49	15.64	15.73	15.64	17	5
20	256QAM	1	99	15.63	15.68	15.61		
20	256QAM	50	0	15.78	15.73	15.46		
20	256QAM	50	24	15.58	15.86	15.52	17	5
20	256QAM	50	50	15.59	15.76	15.55		
20	256QAM	100	0	15.64	15.66	15.66		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.42	20.41	20.24		
15	QPSK	1	37	20.31	20.35	20.24	22	0
15	QPSK	1	74	20.26	20.24	20.13		
15	QPSK	36	0	19.22	19.49	19.35		
15	QPSK	36	20	19.32	19.34	19.41	21	1
15	QPSK	36	39	19.24	19.32	19.34		
15	QPSK	75	0	19.46	19.47	19.26		
15	16QAM	1	0	19.32	19.30	19.33		
15	16QAM	1	37	19.24	19.53	19.33	21	1
15	16QAM	1	74	19.36	19.45	19.32		
15	16QAM	36	0	18.42	18.42	18.27		
15	16QAM	36	20	18.42	18.45	18.34	20	2
15	16QAM	36	39	18.24	18.47	18.34		
15	16QAM	75	0	18.29	18.46	18.34		
15	64QAM	1	0	18.26	18.54	18.38		
15	64QAM	1	37	18.16	18.55	18.29	20	2
15	64QAM	1	74	18.23	18.48	18.37		
15	64QAM	36	0	17.19	17.49	17.36		
15	64QAM	36	20	17.37	17.32	17.34	19	3
15	64QAM	36	39	17.37	17.47	17.38		
15	64QAM	75	0	17.28	17.48	17.31		
15	256QAM	1	0	15.50	15.45	15.48		
15	256QAM	1	37	15.42	15.54	15.44	17	5
15	256QAM	1	74	15.54	15.54	15.55		
15	256QAM	36	0	15.70	15.59	15.35		
15	256QAM	36	20	15.51	15.72	15.42	17	5
15	256QAM	36	39	15.64	15.76	15.48		
15	256QAM	75	0	15.49	15.57	15.59		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.47	20.47	20.25		
10	QPSK	1	25	20.14	20.38	20.20	22	0
10	QPSK	1	49	20.26	20.23	20.16		
10	QPSK	25	0	19.22	19.47	19.35		
10	QPSK	25	12	19.31	19.25	19.47	21	1
10	QPSK	25	25	19.31	19.33	19.37		
10	QPSK	50	0	19.43	19.52	19.27		
10	16QAM	1	0	19.29	19.38	19.35		
10	16QAM	1	25	19.21	19.50	19.27	21	1
10	16QAM	1	49	19.46	19.44	19.25		
10	16QAM	25	0	18.45	18.37	18.29		
10	16QAM	25	12	18.33	18.40	18.43	20	2
10	16QAM	25	25	18.33	18.47	18.33		
10	16QAM	50	0	18.38	18.46	18.41		
10	64QAM	1	0	18.31	18.52	18.32		
10	64QAM	1	25	18.24	18.57	18.21	20	2
10	64QAM	1	49	18.23	18.48	18.35		
10	64QAM	25	0	17.18	17.38	17.32		
10	64QAM	25	12	17.48	17.38	17.29	19	3
10	64QAM	25	25	17.39	17.55	17.34		
10	64QAM	50	0	17.24	17.47	17.34		
10	256QAM	1	0	15.33	15.52	15.56		
10	256QAM	1	25	15.50	15.62	15.58	17	5
10	256QAM	1	49	15.57	15.53	15.51		
10	256QAM	25	0	15.63	15.63	15.35		
10	256QAM	25	12	15.48	15.73	15.45	17	5
10	256QAM	25	25	15.48	15.62	15.51		
10	256QAM	50	0	15.58	15.61	15.58		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.36	20.39	20.32		
5	QPSK	1	12	20.21	20.32	20.26	22	0
5	QPSK	1	24	20.24	20.23	20.18		
5	QPSK	12	0	19.23	19.45	19.30		
5	QPSK	12	7	19.20	19.27	19.46	21	1
5	QPSK	12	13	19.19	19.37	19.40		
5	QPSK	25	0	19.41	19.50	19.32		
5	16QAM	1	0	19.30	19.29	19.35		
5	16QAM	1	12	19.22	19.55	19.32	21	1
5	16QAM	1	24	19.42	19.39	19.25		
5	16QAM	12	0	18.43	18.40	18.32		
5	16QAM	12	7	18.36	18.43	18.42	20	2
5	16QAM	12	13	18.34	18.43	18.34		
5	16QAM	25	0	18.35	18.53	18.41		
5	64QAM	1	0	18.30	18.50	18.39		
5	64QAM	1	12	18.22	18.51	18.27	20	2
5	64QAM	1	24	18.27	18.47	18.38		
5	64QAM	12	0	17.19	17.42	17.39		
5	64QAM	12	7	17.38	17.34	17.36	19	3
5	64QAM	12	13	17.30	17.53	17.44		
5	64QAM	25	0	17.22	17.45	17.29		
5	256QAM	1	0	15.50	15.52	15.52		
5	256QAM	1	12	15.49	15.59	15.50	17	5
5	256QAM	1	24	15.47	15.62	15.56		
5	256QAM	12	0	15.59	15.59	15.41		
5	256QAM	12	7	15.53	15.76	15.40	17	5
5	256QAM	12	13	15.49	15.56	15.46		
5	256QAM	25	0	15.60	15.58	15.61		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.44	20.50	20.28		
3	QPSK	1	8	20.16	20.33	20.23	22	0
3	QPSK	1	14	20.19	20.28	20.14		
3	QPSK	8	0	19.33	19.43	19.30		
3	QPSK	8	4	19.20	19.25	19.38	21	1
3	QPSK	8	7	19.19	19.30	19.34		
3	QPSK	15	0	19.46	19.51	19.21		
3	16QAM	1	0	19.33	19.41	19.41		
3	16QAM	1	8	19.27	19.54	19.30	21	1
3	16QAM	1	14	19.45	19.47	19.29		
3	16QAM	8	0	18.44	18.38	18.31		
3	16QAM	8	4	18.41	18.44	18.32	20	2
3	16QAM	8	7	18.35	18.37	18.36		
3	16QAM	15	0	18.37	18.48	18.34		
3	64QAM	1	0	18.36	18.52	18.28		
3	64QAM	1	8	18.32	18.50	18.27	20	2
3	64QAM	1	14	18.32	18.52	18.34		
3	64QAM	8	0	17.26	17.39	17.29		
3	64QAM	8	4	17.44	17.43	17.27	19	3
3	64QAM	8	7	17.35	17.45	17.36		
3	64QAM	15	0	17.23	17.46	17.31		
3	256QAM	1	0	15.53	15.47	15.52		
3	256QAM	1	8	15.52	15.58	15.53	17	5
3	256QAM	1	14	15.56	15.56	15.56		
3	256QAM	8	0	15.68	15.62	15.33		
3	256QAM	8	4	15.43	15.76	15.37	17	5
3	256QAM	8	7	15.50	15.62	15.44		
3	256QAM	15	0	15.54	15.54	15.58		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.41	20.45	20.32		
1.4	QPSK	1	3	20.29	20.51	20.33		
1.4	QPSK	1	5	20.34	20.45	20.46	22	0
1.4	QPSK	3	0	20.33	20.52	20.35		
1.4	QPSK	3	1	20.37	20.42	20.28		
1.4	QPSK	3	3	20.33	20.45	20.40		
1.4	QPSK	6	0	19.47	19.60	19.42	21	1
1.4	16QAM	1	0	19.49	19.56	19.35		
1.4	16QAM	1	3	19.42	19.53	19.44		
1.4	16QAM	1	5	19.49	19.56	19.45	21	1
1.4	16QAM	3	0	19.51	19.55	19.40		
1.4	16QAM	3	1	19.41	19.54	19.48		
1.4	16QAM	3	3	19.42	19.53	19.46		
1.4	16QAM	6	0	18.45	18.51	18.50	20	2
1.4	64QAM	1	0	18.44	18.60	18.39		
1.4	64QAM	1	3	18.43	18.56	18.49		
1.4	64QAM	1	5	18.39	18.54	18.37	20	2
1.4	64QAM	3	0	18.50	18.49	18.44		
1.4	64QAM	3	1	18.52	18.50	18.41		
1.4	64QAM	3	3	18.47	18.51	18.44		
1.4	64QAM	6	0	17.46	17.51	17.46	19	3
1.4	256QAM	1	0	15.46	15.55	15.45		
1.4	256QAM	1	3	15.48	15.65	15.42		
1.4	256QAM	1	5	15.47	15.61	15.39	17	5
1.4	256QAM	3	0	15.51	15.50	15.45		
1.4	256QAM	3	1	15.45	15.55	15.41		
1.4	256QAM	3	3	15.44	15.60	15.38		
1.4	256QAM	6	0	15.37	15.61	15.45	17	5

Band 7 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.74	21.82	21.59		
20	QPSK	1	49	21.50	21.76	21.62	23.2	0
20	QPSK	1	99	21.59	21.61	21.62		
20	QPSK	50	0	20.48	20.76	20.62		
20	QPSK	50	24	20.66	20.59	20.75	22.2	1
20	QPSK	50	50	20.56	20.71	20.70		
20	QPSK	100	0	20.62	20.88	20.60		
20	16QAM	1	0	20.65	20.63	20.69		
20	16QAM	1	49	20.52	20.85	20.63	22.2	1
20	16QAM	1	99	20.82	20.80	20.71		
20	16QAM	50	0	19.72	19.79	19.

Band 66 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	20.45	20.57	20.27	22.1	0
20	QPSK	1	49	20.20	20.43	20.28		
20	QPSK	1	99	20.29	20.28	20.19		
20	QPSK	50	0	19.18	19.54	19.31	21.1	1
20	QPSK	50	24	19.29	19.34	19.53		
20	QPSK	50	50	19.25	19.43	19.41		
20	QPSK	100	0	19.47	19.53	19.37		
20	16QAM	1	0	19.30	19.40	19.34	21.1	1
20	16QAM	1	49	19.21	19.65	19.37		
20	16QAM	1	99	19.52	19.52	19.38		
20	16QAM	50	0	18.50	18.57	18.33	20.1	2
20	16QAM	50	24	18.52	18.50	18.46		
20	16QAM	50	50	18.39	18.50	18.45		
20	16QAM	100	0	18.36	18.53	18.53		
20	64QAM	1	0	18.33	18.54	18.37	20.1	2
20	64QAM	1	49	18.24	18.60	18.27		
20	64QAM	1	99	18.22	18.56	18.39		
20	64QAM	50	0	17.34	17.54	17.41	19.1	3
20	64QAM	50	24	17.51	17.47	17.44		
20	64QAM	50	50	17.31	17.56	17.33		
20	64QAM	100	0	17.45	17.54	17.46		
20	256QAM	1	0	15.51	15.54	15.53	17.1	5
20	256QAM	1	49	15.45	15.75	15.61		
20	256QAM	1	99	15.59	15.66	15.47		
20	256QAM	50	0	15.67	15.75	15.42	17.1	5
20	256QAM	50	24	15.54	15.84	15.47		
20	256QAM	50	50	15.50	15.66	15.56		
20	256QAM	100	0	15.65	15.58	15.78		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.38	20.52	20.15	22.1	0
15	QPSK	1	37	20.20	20.30	20.20		
15	QPSK	1	74	20.15	20.20	20.10		
15	QPSK	36	0	19.13	19.42	19.26	21.1	1
15	QPSK	36	20	19.21	19.22	19.41		
15	QPSK	36	39	19.19	19.35	19.36		
15	QPSK	75	0	19.41	19.42	19.29		
15	16QAM	1	0	19.22	19.25	19.21	21.1	1
15	16QAM	1	37	19.13	19.59	19.24		
15	16QAM	1	74	19.47	19.45	19.23		
15	16QAM	36	0	18.41	18.46	18.18	20.1	2
15	16QAM	36	20	18.46	18.43	18.30		
15	16QAM	36	39	18.29	18.37	18.31		
15	16QAM	75	0	18.32	18.39	18.38		
15	64QAM	1	0	18.28	18.49	18.30	20.1	2
15	64QAM	1	37	18.20	18.48	18.19		
15	64QAM	1	74	18.21	18.47	18.26		
15	64QAM	36	0	17.22	17.40	17.37	19.1	3
15	64QAM	36	20	17.36	17.36	17.34		
15	64QAM	36	39	17.26	17.49	17.20		
15	64QAM	75	0	17.39	17.42	17.38		
15	256QAM	1	0	15.45	15.43	15.48	17.1	5
15	256QAM	1	37	15.39	15.59	15.46		
15	256QAM	1	74	15.48	15.52	15.38		
15	256QAM	36	0	15.58	15.66	15.38	17.1	5
15	256QAM	36	20	15.39	15.72	15.38		
15	256QAM	36	39	15.41	15.54	15.40		
15	256QAM	75	0	15.55	15.48	15.67		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.39	20.53	20.13	22.1	0
10	QPSK	1	25	20.15	20.31	20.23		
10	QPSK	1	49	20.17	20.16	20.10		
10	QPSK	25	0	19.51	19.45	19.17	21.1	1
10	QPSK	25	12	19.24	19.24	19.41		
10	QPSK	25	25	19.16	19.31	19.36		
10	QPSK	50	0	19.38	19.43	19.23		
10	16QAM	1	0	19.21	19.31	19.20	21.1	1
10	16QAM	1	25	19.52	19.53	19.24		
10	16QAM	1	49	19.39	19.38	19.25		
10	16QAM	25	0	18.39	18.45	18.19	20.1	2
10	16QAM	25	12	18.40	18.38	18.35		
10	16QAM	25	25	18.24	18.39	18.34		
10	16QAM	50	0	18.28	18.44	18.40		
10	64QAM	1	0	18.21	18.42	18.32	20.1	2
10	64QAM	1	25	18.16	18.54	18.15		
10	64QAM	1	49	18.11	18.50	18.25		
10	64QAM	25	0	17.22	17.42	17.35	19.1	3
10	64QAM	25	12	17.45	17.36	17.39		
10	64QAM	25	25	17.17	17.47	17.19		
10	64QAM	50	0	17.29	17.44	17.39		
10	256QAM	1	0	15.35	15.48	15.49	17.1	5
10	256QAM	1	25	15.35	15.60	15.52		
10	256QAM	1	49	15.49	15.62	15.32		
10	256QAM	25	0	15.62	15.61	15.37	17.1	5
10	256QAM	25	12	15.45	15.75	15.40		
10	256QAM	25	25	15.35	15.60	15.46		
10	256QAM	50	0	15.60	15.51	15.73		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	20.31	20.51	20.12	22.1	0
5	QPSK	1	12	20.13	20.28	20.18		
5	QPSK	1	24	20.24	20.18	20.11		
5	QPSK	12	0	19.13	19.35	19.16	21.1	1
5	QPSK	12	7	19.21	19.27	19.43		
5	QPSK	12	13	19.10	19.30	19.34		
5	QPSK	25	0	19.41	19.47	19.25		
5	16QAM	1	0	19.18	19.34	19.21	21.1	1
5	16QAM	1	12	19.10	19.51	19.28		
5	16QAM	1	24	19.40	19.45	19.31		
5	16QAM	12	0	18.34	18.52	18.20	20.1	2
5	16QAM	12	7	18.37	18.44	18.35		
5	16QAM	12	13	18.32	18.35	18.38		
5	16QAM	25	0	18.26	18.48	18.45		
5	64QAM	1	0	18.26	18.41	18.22	20.1	2
5	64QAM	1	12	18.18	18.55	18.18		
5	64QAM	1	24	18.14	18.48	18.27		
5	64QAM	12	0	17.27	17.45	17.28	19.1	3
5	64QAM	12	7	17.45	17.40	17.32		
5	64QAM	12	13	17.20	17.44	17.28		
5	64QAM	25	0	17.29	17.47	17.36		
5	256QAM	1	0	15.42	15.38	15.47	17.1	5
5	256QAM	1	12	15.36	15.68	15.52		
5	256QAM	1	24	15.49	15.52	15.42		
5	256QAM	12	0	15.63	15.65	15.36	17.1	5
5	256QAM	12	7	15.40	15.71	15.37		
5	256QAM	12	13	15.40	15.53	15.43		
5	256QAM	25	0	15.61	15.49	15.69		
Channel				131922	132322	132722	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	20.34	20.47	20.22	22.1	0
3	QPSK	1	8	20.21	20.27	20.23		
3	QPSK	1	14	20.13	20.20	20.18		
3	QPSK	8	0	19.11	19.36	19.19	21.1	1
3	QPSK	8	4	19.17	19.26	19.39		
3	QPSK	8	7	19.21	19.31	19.30		
3	QPSK	15	0	19.35	19.38	19.25		
3	16QAM	1	0	19.20	19.24	19.26	21.1	1
3	16QAM	1	8	19.13	19.56	19.26		
3	16QAM	1	14	19.40	19.44	19.29		
3	16QAM	8	0	18.43	18.48	18.27	20.1	2
3	16QAM	8	4	18.45	18.36	18.34		
3	16QAM	8	7	18.26	18.40	18.40		
3	16QAM	15	0	18.23	18.44	18.49		
3	64QAM	1	0	18.21	18.41	18.26	20.1	2
3	64QAM	1	8	18.12	18.48	18.14		
3	64QAM	1	14	18.11	18.46	18.29		
3	64QAM	8	0	17.23	17.44	17.32	19.1	3
3	64QAM	8	4	17.45	17.36	17.40		
3	64QAM	8	7	17.15	17.47	17.25		
3	64QAM	15	0	17.33	17.43	17.38		
3	256QAM	1	0	15.47	15.39	15.48	17.1	5
3	256QAM	1	8	15.38	15.66	15.56		
3	256QAM	1	14	15.52	15.54	15.42		
3	256QAM	8	0	15.52	15.70	15.31	17.1	5
3	256QAM	8	4	15.40	15.76	15.42		
3	256QAM	8	7	15.39	15.50	15.46		
3	256QAM	15	0	15.57	15.44	15.71		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	20.37	20.42	20.22	22.1	0
1.4	QPSK	1	3	20.30	20.49	20.35		
1.4	QPSK	1	5	20.36	20.46	20.43		
1.4	QPSK	3	0	20.34	20.51	20.37		
1.4	QPSK	3	1	20.31	20.35	20.32		
1.4	QPSK	3	3	20.33	20.41	20.42		
1.4	QPSK	6	0	19.50	19.61	19.38	21.1	1
1.4	16QAM	1	0	19.48	19.60	19.30	21.1	1
1.4	16QAM	1	3	19.34	19.58	19.55		
1.4	16QAM	1	5	19.49	19.56	19.50		
1.4	16QAM	3	0	19.49	19.65	19.33		
1.4	16QAM	3	1	19.46	19.57	19.50		
1.4	16QAM	3	3	19.47	19.53	19.42		
1.4	16QAM	6	0	18.37	18.46	18.55	20.1	2
1.4	64QAM	1	0	18.48	18.55	18.39	20.1	2
1.4	64QAM	1	3	18.56	18.53	18.39		
1.4	64QAM	1	5	18.36	18.54	18.35		
1.4	64QAM	3	0	18.55	18.58	18.45		
1.4	64QAM	3	1	18.42	18.53	18.38		
1.4	64QAM	3	3	18.45	18.49	18.40		
1.4	64QAM	6	0	17.39	17.50	17.39	19.1	3
1.4	256QAM	1	0	15.40	15.49	15.42	17.1	5
1.4	256QAM	1	3	15.57	15.58	15.36		
1.4	256QAM	1	5	15.52	15.67	15.32		
1.4	256QAM	3	0	15.48	15.47	15.46		
1.4	256QAM	3	1	15.38	15.60	15.42		
1.4	256QAM	3	3	15.44	15.56	15.41		
1.4	256QAM	6	0	15.30	15.63	15.49	17.1	5

Band 38 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.61	21.66	21.60	23.3	0
20	QPSK	1	49	21.48	21.64	21.57		
20	QPSK	1	99	21.57	21.62	21.55		
20	QPSK	50	0	20.65	20.71	20.57	22.3	1
20	QPSK	50	24	20.45	20.61	20.52		
20	QPSK	50	50	20.52	20.62	20.51		
20	QPSK	100	0	20.59	20.68	20.64		
20	16QAM	1	0	20.62	20.65	20.64	22.3	1
20	16QAM	1	49	20.49	20.68	20.51		
20	16QAM	1	99	20.57	20.61	20.51		
20	16QAM	50	0	19.59	19.69	19.62	21.3	2
20	16QAM	50	24	19.40	19.65	19.52		
20	16QAM	50	50	19.49	19.62	19.47		
20	16QAM	100	0	19.65	19.73	19.63		
20	64QAM	1	0	19.60	19.60	19.61	21.3	2
20	64QAM	1	49	19.45	19.73	19.51		
20	64QAM	1	99	19.61	19.55	19.48		
20	64QAM	50	0	18.63	18.68	18.55	20.3	3
20	64QAM	50	24	18.47	18.56	18.54		
20	64QAM	50	50	18.49	18.57	18.56		
20	64QAM	100	0	18.59	18.68	18.69		
20	256QAM	1	0	16.64	16.72	16.62	18.3	5
20	256QAM	1	49	16.41	16.68	16.50		
20	256QAM	1	99	16.48	16.64	16.46		
20	256QAM	50	0	16.53	16.66	16.65	18.3	5
20	256QAM	50	24	16.63	16.65	16.62		
20	256QAM	50	50	16.50	16.62	16.54		
20	256QAM	100	0	16.53	16.63	16.56		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.53	21.54	21.50	23.3	0
15	QPSK	1	37	21.46	21.54	21.45		
15	QPSK	1	74	21.54	21.52	21.44		
15	QPSK	36	0	20.54	20.59	20.54	22.3	1
15	QPSK	36	20	20.35	20.59	20.49		
15	QPSK	36	39	20.46	20.57	20.44		
15	QPSK	75	0	20.50	20.54	20.59		
15	16QAM	1	0	20.57	20.63	20.59	22.3	1
15	16QAM	1	37	20.43	20.56	20.47		
15	16QAM	1	74	20.44	20.54	20.39		
15	16QAM	36	0	19.46	19.56	19.50	21.3	2
15	16QAM	36	20	19.31	19.60	19.47		
15	16QAM	36	39	19.42	19.59	19.36		
15	16QAM	75	0	19.62	19.63	19.58		
15	64QAM	1	0	19.57	19.47	19.58	21.3	2
15	64QAM	1	37	19.42	19.65	19.45		
15	64QAM	1	74	19.57	19.50	19.34		
15	64QAM	36	0	18.54	18.61	18.47	20.3	3
15	64QAM	36	20	18.34	18.50	18.49		
15	64QAM	36	39	18.47	18.47	18.44		
15	64QAM	75	0	18.55	18.64	18.64		
15	256QAM	1	0	16.56	16.60	16.52	18.3	5
15	256QAM	1	37	16.38	16.52	16.45		
15	256QAM	1	74	16.43	16.62	16.37		
15	256QAM	36	0	16.43	16.57	16.53	18.3	5
15	256QAM	36	20	16.56	16.60	16.50		
15	256QAM	36	39	16.43	16.50	16.40		
15	256QAM	75	0	16.47	16.50	16.52		
Channel				37800	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.49	21.54	21.47	23.3	0
10	QPSK	1	25	21.40	21.58	21.52		
10	QPSK	1	49	21.48	21.51	21.53		
10	QPSK	25	0	20.58	20.69	20.49	22.3	1
10	QPSK	25	12	20.33	20.59	20.44		
10	QPSK	25	25	20.42	20.57	20.49		
10	QPSK	50	0	20.49	20.55	20.51		
10	16QAM	1	0	20.48	20.59	20.54	22.3	1
10	16QAM	1	25	20.43	20.56	20.38		
10	16QAM	1	49	20.47	20.52	20.41		
10	16QAM	25	0	19.54	19.65	19.60	21.3	2
10	16QAM	25	12	19.58	19.54	19.46		
10	16QAM	25	25	19.37	19.50	19.43		
10	16QAM	50	0	19.55	19.64	19.54		
10	64QAM	1	0	19.58	19.57	19.50	21.3	2
10	64QAM	1	25	19.40	19.67	19.46		
10	64QAM	1	49	19.54	19.44	19.46		
10	64QAM	25	0	18.56	18.60	18.51	20.3	3
10	64QAM	25	12	18.43	18.43	18.42		
10	64QAM	25	25	18.43	18.49	18.52		
10	64QAM	50	0	18.45	18.63	18.61		
10	256QAM	1	0	16.52	16.60	16.51	18.3	5
10	256QAM	1	25	16.36	16.63	16.37		
10	256QAM	1	49	16.44	16.60	16.33		
10	256QAM	25	0	16.50	16.60	16.57	18.3	5
10	256QAM	25	12	16.58	16.61	16.50		
10	256QAM	25	25	16.43	16.57	16.47		
10	256QAM	50	0	16.44	16.53	16.48		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.53	21.52	21.54	23.3	0
5	QPSK	1	12	21.44	21.60	21.51		
5	QPSK	1	24	21.46	21.58	21.45		
5	QPSK	12	0	20.59	20.63	20.43	22.3	1
5	QPSK	12	7	20.34	20.53	20.45		
5	QPSK	12	13	20.40	20.52	20.44		
5	QPSK	25	0	20.50	20.59	20.61		
5	16QAM	1	0	20.56	20.60	20.55	22.3	1
5	16QAM	1	12	20.43	20.59	20.42		
5	16QAM	1	24	20.44	20.57	20.38		
5	16QAM	12	0	19.50	19.59	19.50	21.3	2
5	16QAM	12	7	19.30	19.59	19.47		
5	16QAM	12	13	19.46	19.53	19.43		
5	16QAM	25	0	19.59	19.64	19.54		
5	64QAM	1	0	19.56	19.57	19.56	21.3	2
5	64QAM	1	12	19.36	19.70	19.44		
5	64QAM	1	24	19.49	19.44	19.42		
5	64QAM	12	0	18.59	18.55	18.46	20.3	3
5	64QAM	12	7	18.38	18.45	18.42		
5	64QAM	12	13	18.42	18.47	18.54		
5	64QAM	25	0	18.49	18.60	18.66		
5	256QAM	1	0	16.57	16.68	16.50	18.3	5
5	256QAM	1	12	16.35	16.52	16.36		
5	256QAM	1	24	16.42	16.57	16.34		
5	256QAM	12	0	16.39	16.61	16.63	18.3	5
5	256QAM	12	7	16.52	16.57	16.48		
5	256QAM	12	13	16.37	16.50	16.48		
5	256QAM	25	0	16.50	16.59	16.50		

Band 41 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.70	21.75	21.79	21.68	21.73	23.3	0
20	QPSK	1	49	21.67	21.72	21.76	21.60	21.69		
20	QPSK	1	99	21.64	21.61	21.74	21.64	21.59		
20	QPSK	50	0	20.73	20.71	20.80	20.64	20.69	22.3	1
20	QPSK	50	24	20.64	20.70	20.72	20.64	20.71		
20	QPSK	50	50	20.62	20.56	20.78	20.69	20.57		
20	QPSK	100	0	20.69	20.76	20.78	20.67	20.76		
20	16QAM	1	0	20.66	20.80	20.77	20.68	20.74	22.3	1
20	16QAM	1	49	20.64	20.77	20.78	20.55	20.72		
20	16QAM	1	99	20.62	20.65	20.80	20.61	20.59		
20	16QAM	50	0	19.71	19.75	19.76	19.65	19.67	21.3	2
20	16QAM	50	24	19.67	19.69	19.69	19.60	19.73		
20	16QAM	50	50	19.62	19.62	19.81	19.68	19.52		
20	16QAM	100	0	19.72	19.72	19.78	19.71	19.75		
20	64QAM	1	0	19.72	19.75	19.82	19.68	19.69	21.3	2
20	64QAM	1	49	19.60	19.77	19.80	19.52	19.66		
20	64QAM	1	99	19.58	19.66	19.75	19.66	19.62		
20	64QAM	50	0	18.71	18.71	18.80	18.67	18.67	20.3	3
20	64QAM	50	24	18.68	18.74	18.77	18.66	18.74		
20	64QAM	50	50	18.63	18.54	18.79	18.73	18.54		
20	64QAM	100	0	18.69	18.75	18.84	18.71	18.77		
20	256QAM	1	0	16.78	16.70	16.80	16.67	16.69	18.3	5
20	256QAM	1	49	16.67	16.66	16.77	16.62	16.75		
20	256QAM	1	99	16.67	16.54	16.76	16.68	16.54		
20	256QAM	50	0	16.66	16.79	16.79	16.62	16.78	18.3	5
20	256QAM	50	24	16.66	16.86	16.76	16.74	16.72		
20	256QAM	50	50	16.65	16.71	16.76	16.60	16.69		
20	256QAM	100	0	16.65	16.68	16.79	16.56	16.62		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.59	21.66	21.66	21.61	21.69	23	0
15	QPSK	1	37	21.61	21.68	21.71	21.48	21.58		
15	QPSK	1	74	21.60	21.58	21.62	21.54	21.48		
15	QPSK	36	0	20.68	20.59	20.73	20.61	20.64	22.3	1
15	QPSK	36	20	20.53	20.57	20.67	20.57	20.69		
15	QPSK	36	39	20.52	20.53	20.69	20.64	20.53		
15	QPSK	75	0	20.62	20.68	20.65	20.59	20.69		
15	16QAM	1	0	20.56	20.78	20.68	20.63	20.70	22.3	1
15	16QAM	1	37	20.55	20.68	20.73	20.52	20.65		
15	16QAM	1	74	20.54	20.62	20.66	20.58	20.49		
15	16QAM	36	0	19.67	19.62	19.69	19.53	19.64	21.3	2
15	16QAM	36	20	19.64	19.62	19.61	19.53	19.63		
15	16QAM	36	39	19.52	19.48	19.79	19.63	19.46		
15	16QAM	75	0	19.62	19.70	19.65	19.63	19.71		
15	64QAM	1	0	19.66	19.61	19.77	19.64	19.56	21.3	2
15	64QAM	1	37	19.48	19.66	19.69	19.46	19.57		
15	64QAM	1	74	19.53	19.64	19.61	19.63	19.58		
15	64QAM	36	0	18.68	18.62	18.77	18.57	18.57	20.3	3
15	64QAM	36	20	18.57	18.69	18.65	18.53	18.68		
15	64QAM	36	39	18.58	18.50	18.77	18.66	18.41		
15	64QAM	75	0	18.55	18.71	18.75	18.60	18.68		
15	256QAM	1	0	16.66	16.66	16.70	16.64	16.61	18.3	5
15	256QAM	1	37	16.59	16.57	16.71	16.56	16.63		
15	256QAM	1	74	16.54	16.49	16.73	16.56	16.50		
15	256QAM	36	0	16.58	16.66	16.66	16.53	16.66	18.3	5
15	256QAM	36	20	16.54	16.79	16.65	16.63	16.63		
15	256QAM	36	39	16.51	16.66	16.70	16.52	16.60		
15	256QAM	75	0	16.56	16.64	16.73	16.51	16.60		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.64	21.67	21.75	21.62	21.62	23	0
10	QPSK	1	25	21.54	21.64	21.73	21.52	21.58		
10	QPSK	1	49	21.50	21.58	21.61	21.54	21.49		
10	QPSK	25	0	20.66	20.66	20.70	20.52	20.58	22.3	1
10	QPSK	25	12	20.58	20.57	20.59	20.52	20.61		
10	QPSK	25	25	20.57	20.44	20.67	20.59	20.53		
10	QPSK	50	0	20.67	20.66	20.73	20.65	20.74		
10	16QAM	1	0	20.55	20.73	20.70	20.60	20.70	22.3	1
10	16QAM	1	25	20.58	20.70	20.71	20.45	20.61		
10	16QAM	1	49	20.55	20.57	20.70	20.47	20.52		
10	16QAM	25	0	19.65	19.65	19.66	19.61	19.61	21.3	2
10	16QAM	25	12	19.63	19.56	19.56	19.55	19.65		
10	16QAM	25	25	19.59	19.56	19.74	19.61	19.47		
10	16QAM	50	0	19.58	19.59	19.68	19.66	19.62		
10	64QAM	1	0	19.65	19.71	19.78	19.58	19.58	21.3	2
10	64QAM	1	25	19.47	19.75	19.73	19.38	19.59		
10	64QAM	1	49	19.54	19.53	19.68	19.58	19.55		
10	64QAM	25	0	18.61	18.63	18.69	18.82	18.63	20.3	3
10	64QAM	25	12	18.67	18.72	18.67	18.53	18.63		
10	64QAM	25	25	18.60	18.42	18.74	18.64	18.50		
10	64QAM	50	0	18.59	18.67	18.71	18.63	18.74		
10	256QAM	1	0	16.75	16.64	16.72	16.54	16.60	18.3	5
10	256QAM	1	25	16.63	16.54	16.67	16.54	16.65		
10	256QAM	1	49	16.59	16.40	16.70	16.56	16.47		
10	256QAM	25	0	16.58	16.67	16.74	16.49	16.67	18.3	5
10	256QAM	25	12	16.53	16.83	16.63	16.69	16.62		
10	256QAM	25	25	16.53	16.67	16.70	16.49	16.62		
10	256QAM	50	0	16.52	16.54	16.68	16.48	16.52		
Channel				39675	40148	40620	41093	41565	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.60	21.68	21.69	21.60	21.65	23	0
5	QPSK	1	12	21.60	21.69	21.69	21.51	21.58		
5	QPSK	1	24	21.61	21.56	21.61	21.55	21.47		
5	QPSK	12	0	20.62	20.65	20.69	20.56	20.61	22.3	1
5	QPSK	12	7	20.58	20.67	20.68	20.51	20.68		
5	QPSK	12	13	20.52	20.53	20.68	20.57	20.50		
5	QPSK	25	0	20.58	20.67	20.69	20.53	20.62		
5	16QAM	1	0	20.64	20.77	20.64	20.58	20.66	22.3	1
5	16QAM	1	12	20.59	20.75	20.67	20.44	20.67		
5	16QAM	1	24	20.49	20.52	20.70	20.48	20.52		
5	16QAM	12	0	19.66	19.69	19.65	19.61	19.63	21.3	2
5	16QAM	12	7	19.65	19.55	19.60	19.48	19.62		
5	16QAM	12	13	19.55	19.54	19.77	19.64	19.42		
5	16QAM	25	0	19.59	19.68	19.74	19.68	19.72		
5	64QAM	1	0	19.65	19.65	19.72	19.62	19.67	21.3	2
5	64QAM	1	12	19.56	19.65	19.69	19.42	19.56		
5	64QAM	1	24	19.51	19.53	19.66	19.57	19.52		
5	64QAM	12	0	18.57	18.67	18.70	18.60	18.63	20.3	3
5	64QAM	12	7	18.65	18.63	18.74	18.60	18.72		
5	64QAM	12	13	18.56	18.50	18.67	18.82	18.49		
5	64QAM	25	0	18.57	18.72	18.72	18.67	18.74		
5	256QAM	1	0	16.75	16.59	16.70	16.63	16.63	18.3	5
5	256QAM	1	12	16.64	16.59	16.71	16.48	16.63		
5	256QAM	1	24	16.57	16.52	16.64	16.55	16.48		
5	256QAM	12	0	16.56	16.68	16.68	16.51	16.68	18.3	5
5	256QAM	12	7	16.54	16.77	16.66	16.64	16.70		
5	256QAM	12	13	16.55	16.67	16.67	16.58	16.62		
5	256QAM	25	0	16.51	16.65	16.71	16.46	16.49		

Band 42 Ant10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	24.92	25.06	24.97	26	0
20	QPSK	1	49	24.91	25.02	24.88		
20	QPSK	1	99	24.88	24.97	24.87		
20	QPSK	50	0	23.94	24.15	23.97	25	1
20	QPSK	50	24	23.92	24.10	24.03		
20	QPSK	50	50	23.89	24.00	23.93		
20	QPSK	100	0	24.04	24.12	24.00		
20	16QAM	1	0	23.97	24.06	23.99	25	1
20	16QAM	1	49	23.97	24.07	23.99		
20	16QAM	1	99	24.00	24.11	23.94		
20	16QAM	50	0	22.99	23.03	22.96	24	2
20	16QAM	50	24	23.04	23.06	23.08		
20	16QAM	50	50	22.95	23.10	22.97		
20	16QAM	100	0	22.97	23.08	23.03		
20	64QAM	1	0	22.90	23.15	22.95	24	2
20	64QAM	1	49	22.93	23.18	22.97		
20	64QAM	1	99	22.98	23.14	23.02		
20	64QAM	50	0	21.89	22.12	22.03	23	3
20	64QAM	50	24	21.98	22.13	22.04		
20	64QAM	50	50	22.04	22.13	21.93		
20	64QAM	100	0	21.95	22.12	21.93		
20	256QAM	1	0	19.95	20.07	20.07	21	5
20	256QAM	1	49	19.94	20.13	19.97		
20	256QAM	1	99	19.95	20.02	19.96		
20	256QAM	50	0	19.88	20.08	20.00	21	5
20	256QAM	50	24	19.91	20.13	20.00		
20	256QAM	50	50	19.97	20.18	19.92		
20	256QAM	100	0	19.88	20.10	20.05		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	24.84	25.00	24.89	26	0
15	QPSK	1	37	24.76	24.93	24.76		
15	QPSK	1	74	24.83	24.88	24.73		
15	QPSK	36	0	23.90	23.97	23.86	25	1
15	QPSK	36	20	23.83	24.02	23.95		
15	QPSK	36	39	23.75	23.88	23.83		
15	QPSK	75	0	23.92	24.05	23.95		
15	16QAM	1	0	23.88	24.00	23.86	25	1
15	16QAM	1	37	23.86	23.93	23.85		
15	16QAM	1	74	23.95	24.03	23.81		
15	16QAM	36	0	22.83	22.88	22.84	24	2
15	16QAM	36	20	22.91	23.00	22.99		
15	16QAM	36	39	22.80	23.00	22.89		
15	16QAM	75	0	22.86	22.96	22.96		
15	64QAM	1	0	22.80	23.10	22.81	24	2
15	64QAM	1	37	22.78	23.07	22.89		
15	64QAM	1	74	22.91	23.00	22.98		
15	64QAM	36	0	21.85	22.06	21.88	23	3
15	64QAM	36	20	21.85	21.98	21.98		
15	64QAM	36	39	21.93	22.07	21.81		
15	64QAM	75	0	21.80	22.06	21.85		
15	256QAM	1	0	19.85	20.01	19.92	21	5
15	256QAM	1	37	19.79	20.06	19.90		
15	256QAM	1	74	19.80	19.96	19.89		
15	256QAM	36	0	19.75	19.97	19.90	21	5
15	256QAM	36	20	19.87	19.98	19.91		
15	256QAM	36	39	19.91	20.02	19.78		
15	256QAM	75	0	19.76	19.97	19.92		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	24.83	24.94	24.86	26	0
10	QPSK	1	25	24.78	24.86	24.74		
10	QPSK	1	49	24.79	24.90	24.76		
10	QPSK	25	0	23.82	23.93	23.93	25	1
10	QPSK	25	12	23.83	23.96	23.91		
10	QPSK	25	25	23.85	23.96	23.81		
10	QPSK	50	0	23.95	24.00	23.86		
10	16QAM	1	0	23.83	23.90	23.92	25	1
10	16QAM	1	25	23.90	23.94	23.91		
10	16QAM	1	49	23.85	24.02	23.86		
10	16QAM	25	0	22.83	22.94	22.92	24	2
10	16QAM	25	12	22.97	22.99	22.96		
10	16QAM	25	25	22.80	22.99	22.92		
10	16QAM	50	0	22.89	22.98	22.94		
10	64QAM	1	0	22.75	23.03	22.85	24	2
10	64QAM	1	25	22.79	23.07	22.85		
10	64QAM	1	49	22.90	23.03	22.89		
10	64QAM	25	0	21.80	22.04	21.88	23	3
10	64QAM	25	12	21.91	22.07	21.94		
10	64QAM	25	25	21.99	22.03	21.78		
10	64QAM	50	0	21.83	22.03	21.86		
10	256QAM	1	0	19.87	19.92	20.00	21	5
10	256QAM	1	25	19.81	20.02	19.87		
10	256QAM	1	49	19.86	19.97	19.85		
10	256QAM	25	0	19.76	20.04	19.94	21	5
10	256QAM	25	12	19.78	20.00	19.93		
10	256QAM	25	25	19.89	20.06	19.85		
10	256QAM	50	0	19.74	20.05	19.94		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	24.83	24.90	24.82	26	0
5	QPSK	1	12	24.76	24.89	24.81		
5	QPSK	1	24	24.75	24.92	24.79		
5	QPSK	12	0	23.90	23.92	23.81	25	1
5	QPSK	12	7	23.81	24.01	23.90		
5	QPSK	12	13	23.78	23.90	23.84		
5	QPSK	25	0	23.95	24.03	23.93		
5	16QAM	1	0	23.87	24.00	23.83	25	1
5	16QAM	1	12	23.85	23.97	23.94		
5	16QAM	1	24	23.95	24.00	23.82		
5	16QAM	12	0	22.83	22.96	22.91	24	2
5	16QAM	12	7	22.96	22.99	22.95		
5	16QAM	12	13	22.90	23.05	22.92		
5	16QAM	25	0	22.84	22.92	22.88		
5	64QAM	1	0	22.82	23.05	22.83	24	2
5	64QAM	1	12	22.89	23.09	22.90		
5	64QAM	1	24	22.83	23.07	22.93		
5	64QAM	12	0	21.83	22.02	21.90	23	3
5	64QAM	12	7	21.88	22.07	21.93		
5	64QAM	12	13	21.88	22.07	21.78		
5	64QAM	25	0	21.90	22.06	21.87		
5	256QAM	1	0	19.89	19.96	20.00	21	5
5	256QAM	1	12	19.88	20.06	19.89		
5	256QAM	1	24	19.87	19.90	19.87		
5	256QAM	12	0	19.82	20.03	19.94	21	5
5	256QAM	12	7	19.77	19.99	19.95		
5	256QAM	12	13	19.87	20.06	19.77		
5	256QAM	25	0	19.75	20.05	19.97		

Band 48 Ant10

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	23.29	23.57	23.31	23.36	25	0
20	QPSK	1	49	23.37	23.38	23.30	23.36		
20	QPSK	1	99	23.46	23.47	23.39	23.40		
20	QPSK	50	0	22.48	22.61	22.50	22.47	24	1
20	QPSK	50	24	22.47	22.51	22.49	22.54		
20	QPSK	50	50	22.33	22.59	22.45	22.48		
20	QPSK	100	0	22.32	22.57	22.38	22.51		
20	16QAM	1	0	22.43	22.56	22.40	22.47	24	1
20	16QAM	1	49	22.52	22.55	22.55	22.52		
20	16QAM	1	99	22.44	22.52	22.42	22.52		
20	16QAM	50	0	21.40	21.59	21.42	21.40	23	2
20	16QAM	50	24	21.46	21.59	21.47	21.54		
20	16QAM	50	50	21.42	21.49	21.48	21.41		
20	16QAM	100	0	21.42	21.59	21.38	21.45		
20	64QAM	1	0	21.41	21.54	21.41	21.51	23	2
20	64QAM	1	49	21.40	21.50	21.40	21.46		
20	64QAM	1	99	21.37	21.56	21.39	21.42		
20	64QAM	50	0	20.35	20.53	20.39	20.47	22	3
20	64QAM	50	24	20.38	20.60	20.39	20.50		
20	64QAM	50	50	20.48	20.66	20.47	20.41		
20	64QAM	100	0	20.46	20.58	20.43	20.41		
20	256QAM	1	0	18.37	18.52	18.51	18.36	20	5
20	256QAM	1	49	18.47	18.55	18.52	18.46		
20	256QAM	1	99	18.49	18.47	18.41	18.39		
20	256QAM	50	0	18.51	18.49	18.45	18.49	20	5
20	256QAM	50	24	18.42	18.55	18.40	18.39		
20	256QAM	50	50	18.52	18.59	18.49	18.47		
20	256QAM	100	0	18.43	18.51	18.48	18.51		
Channel				55315	55820	56160	56665	Tune-up limit	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	23.21	23.48	23.22	23.22	25	0
15	QPSK	1	37	23.30	23.31	23.22	23.26		
15	QPSK	1	74	23.40	23.33	23.33	23.25		
15	QPSK	36	0	22.36	22.48	22.42	22.32	24	1
15	QPSK	36	20	22.32	22.41	22.35	22.40		
15	QPSK	36	39	22.23	22.44	22.34	22.38		
15	QPSK	75	0	22.18	22.42	22.30	22.40		
15	16QAM	1	0	22.28	22.42	22.30	22.35	24	1
15	16QAM	1	37	22.44	22.48	22.42	22.40		
15	16QAM	1	74	22.31	22.38	22.35	22.38		
15	16QAM	36	0	21.35	21.54	21.36	21.35	23	2
15	16QAM	36	20	21.34	21.43	21.40	21.49		
15	16QAM	36	39	21.27	21.40	21.41	21.31		
15	16QAM	75	0	21.37	21.53	21.26	21.40		
15	64QAM	1	0	21.37	21.46	21.34	21.39	23	2
15	64QAM	1	37	21.28	21.37	21.26	21.33		
15	64QAM	1	74	21.23	21.42	21.23	21.35		
15	64QAM	36	0	20.29	20.37	20.29	20.33	22	3
15	64QAM	36	20	20.32	20.55	20.33	20.37		
15	64QAM	36	39	20.42	20.51	20.36	20.32		
15	64QAM	75	0	20.31	20.43	20.29	20.36		
15	256QAM	1	0	18.30	18.48	18.38	18.27	20	5
15	256QAM	1	37	18.31	18.46	18.41	18.36		
15	256QAM	1	74	18.35	18.38	18.36	18.24		
15	256QAM	36	0	18.38	18.41	18.40	18.45	20	5
15	256QAM	36	20	18.36	18.46	18.33	18.23		
15	256QAM	36	39	18.36	18.50	18.44	18.33		
15	256QAM	75	0	18.31	18.45	18.36	18.35		
Channel				55290	55815	56165	56690	Tune-up limit	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	23.23	23.44	23.18	23.24	25	0
10	QPSK	1	25	23.31	23.33	23.14	23.22		
10	QPSK	1	49	23.41	23.34	23.31	23.27		
10	QPSK	25	0	22.37	22.47	22.34	22.42	24	1
10	QPSK	25	12	22.37	22.39	22.36	22.40		
10	QPSK	25	25	22.23	22.49	22.37	22.38		
10	QPSK	50	0	22.22	22.41	22.25	22.38		
10	16QAM	1	0	22.34	22.44	22.25	22.32	24	1
10	16QAM	1	25	22.42	22.45	22.49	22.40		
10	16QAM	1	49	22.33	22.46	22.32	22.41		
10	16QAM	25	0	21.30	21.52	21.30	21.30	23	2
10	16QAM	25	12	21.36	21.47	21.31	21.49		
10	16QAM	25	25	21.38	21.39	21.43	21.28		
10	16QAM	50	0	21.36	21.47	21.25	21.37		
10	64QAM	1	0	21.36	21.40	21.34	21.44	23	2
10	64QAM	1	25	21.32	21.34	21.27	21.36		
10	64QAM	1	49	21.25	21.46	21.24	21.35		
10	64QAM	25	0	20.20	20.46	20.26	20.36	22	3
10	64QAM	25	12	20.31	20.44	20.32	20.39		
10	64QAM	25	25	20.34	20.55	20.41	20.37		
10	64QAM	50	0	20.30	20.43	20.33	20.25		
10	256QAM	1	0	18.30	18.46	18.43	18.22	20	5
10	256QAM	1	25	18.34	18.45	18.46	18.36		
10	256QAM	1	49	18.41	18.42	18.30	18.27		
10	256QAM	25	0	18.38	18.42	18.41	18.38	20	5
10	256QAM	25	12	18.35	18.40	18.32	18.32		
10	256QAM	25	25	18.41	18.48	18.36	18.41		
10	256QAM	50	0	18.29	18.47	18.41	18.44		
Channel				55265	55810	56170	56715	Tune-up limit	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	23.23	23.42	23.21	23.20	25	0
5	QPSK	1	12	23.22	23.33	23.25	23.24		
5	QPSK	1	24	23.41	23.33	23.24	23.25		
5	QPSK	12	0	22.32	22.50	22.36	22.41	24	1
5	QPSK	12	7	22.35	22.40	22.39	22.42		
5	QPSK	12	13	22.28	22.45	22.34	22.34		
5	QPSK	25	0	22.27	22.47	22.32	22.45		
5	16QAM	1	0	22.34	22.51	22.31	22.40	24	1
5	16QAM	1	12	22.39	22.47	22.50	22.41		
5	16QAM	1	24	22.28	22.42	22.32	22.47		
5	16QAM	12	0	21.28	21.48	21.33	21.31	23	2
5	16QAM	12	7	21.34	21.55	21.31	21.41		
5	16QAM	12	13	21.33	21.40	21.41	21.32		
5	16QAM	25	0	21.28	21.43	21.29	21.34		
5	64QAM	1	0	21.25	21.46	21.32	21.47	23	2
5	64QAM	1	12	21.30	21.43	21.31	21.34		
5	64QAM	1	24	21.31	21.52	21.30	21.31		
5	64QAM	12	0	20.24	20.43	20.26	20.39	22	3
5	64QAM	12	7	20.22	20.50	20.29	20.39		
5	64QAM	12	13	20.37	20.53	20.43	20.26		
5	64QAM	25	0	20.40	20.54	20.31	20.30		
5	256QAM	1	0	18.29	18.37	18.38	18.24	20	5
5	256QAM	1	12	18.32	18.44	18.38	18.38		
5	256QAM	1	24	18.36	18.38	18.32	18.25		
5	256QAM	12	0	18.40	18.41	18.35	18.34	20	5
5	256QAM	12	7	18.37	18.50	18.32	18.26		
5	256QAM	12	13	18.47	18.44	18.41	18.36		
5	256QAM	25	0	18.39	18.43	18.34	18.38		

Reduced Power Mode for DSI1_Main PA

GSM850 Ant0 DSI1

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.51	33.28	33.61	34.00	24.51	24.28	24.61	25.00
GPRS 1 Tx slot	33.61	33.38	33.69	34.00	24.61	24.38	24.69	25.00
GPRS 2 Tx slots	30.48	30.49	30.39	31.00	24.48	24.49	24.39	25.00
GPRS 3 Tx slots	28.60	28.67	28.81	29.20	24.34	24.41	24.55	24.94
GPRS 4 Tx slots	26.88	26.89	26.81	28.00	23.88	23.89	23.81	25.00
EDGE 1 Tx slot	26.75	27.23	27.04	28.00	17.75	18.23	18.04	19.00
EDGE 2 Tx slots	23.94	24.39	24.22	25.00	17.94	18.39	18.22	19.00
EDGE 3 Tx slots	22.15	22.45	22.34	23.20	17.89	18.19	18.08	18.94
EDGE 4 Tx slots	20.31	20.81	20.34	22.00	17.31	17.81	17.34	19.00

WCDMA V Ant0 DSI1

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.31	24.40	24.26	25.00
3GPP Rel 99	RMC 12.2Kbps	24.41	24.43	24.37	25.00
3GPP Rel 6	HSDPA Subtest-1	23.47	23.43	23.43	24.00
3GPP Rel 6	HSDPA Subtest-2	23.42	23.48	23.43	24.00
3GPP Rel 6	HSDPA Subtest-3	22.90	22.96	22.92	23.50
3GPP Rel 6	HSDPA Subtest-4	22.89	22.99	22.89	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.46	23.40	23.37	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.38	23.40	23.36	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.87	22.93	22.92	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.92	22.92	22.88	23.50
3GPP Rel 6	HSUPA Subtest-1	23.39	23.43	23.36	24.00
3GPP Rel 6	HSUPA Subtest-2	21.46	21.45	21.33	22.00
3GPP Rel 6	HSUPA Subtest-3	22.38	22.39	22.38	23.00
3GPP Rel 6	HSUPA Subtest-4	21.44	21.47	21.39	22.00
3GPP Rel 6	HSUPA Subtest-5	23.42	23.41	23.36	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.94	20.98	20.91	21.50

Band 5 Ant0 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	25.17	25.25	25.18	25.7	0
10	QPSK	1	25	25.04	25.20	25.08		
10	QPSK	1	49	25.04	25.17	25.14		
10	QPSK	25	0	24.13	24.28	24.12	24.7	1
10	QPSK	25	12	24.06	24.24	24.13		
10	QPSK	25	25	24.03	24.14	24.10		
10	QPSK	50	0	24.22	24.27	24.21		
10	16QAM	1	0	24.12	24.26	24.23	24.7	1
10	16QAM	1	25	24.05	24.14	24.09		
10	16QAM	1	49	24.00	24.18	24.18		
10	16QAM	25	0	23.18	23.27	23.18	23.7	2
10	16QAM	25	12	23.08	23.30	23.12		
10	16QAM	25	25	22.99	23.10	23.14		
10	16QAM	50	0	23.28	23.21	23.24		
10	64QAM	1	0	23.08	23.27	23.27	23.7	2
10	64QAM	1	25	22.99	23.09	23.06		
10	64QAM	1	49	23.01	23.22	23.21		
10	64QAM	25	0	22.13	22.22	22.08	22.7	3
10	64QAM	25	12	22.00	22.25	22.11		
10	64QAM	25	25	22.06	22.11	22.14		
10	64QAM	50	0	22.16	22.23	22.18		
10	256QAM	1	0	20.16	20.33	20.15	20.7	5
10	256QAM	1	25	20.05	20.20	20.08		
10	256QAM	1	49	20.07	20.10	20.05		
10	256QAM	25	0	20.26	20.32	20.21	20.7	5
10	256QAM	25	12	20.09	20.24	20.18		
10	256QAM	25	25	20.01	20.13	20.05		
10	256QAM	50	0	20.03	20.17	20.18		
Channel				20425	20525	20625	Tune-up limit	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	25.08	25.14	25.10	25.7	0
5	QPSK	1	12	24.98	25.09	25.04		
5	QPSK	1	24	24.95	25.04	25.06		
5	QPSK	12	0	24.10	24.23	24.05	24.7	1
5	QPSK	12	7	23.95	24.17	24.09		
5	QPSK	12	13	23.98	24.03	24.00		
5	QPSK	25	0	24.18	24.17	24.09		
5	16QAM	1	0	24.01	24.14	24.15	24.7	1
5	16QAM	1	12	24.01	24.10	24.04		
5	16QAM	1	24	23.91	24.07	24.14		
5	16QAM	12	0	23.10	23.20	23.05	23.7	2
5	16QAM	12	7	23.05	23.17	23.02		
5	16QAM	12	13	22.95	23.04	23.03		
5	16QAM	25	0	23.21	23.09	23.22		
5	64QAM	1	0	23.02	23.23	23.16	23.7	2
5	64QAM	1	12	22.96	22.96	22.93		
5	64QAM	1	24	22.97	23.12	23.13		
5	64QAM	12	0	22.10	22.17	22.05	22.7	3
5	64QAM	12	7	21.95	22.19	22.04		
5	64QAM	12	13	22.00	22.06	22.11		
5	64QAM	25	0	22.03	22.10	22.13		
5	256QAM	1	0	20.06	20.25	20.04	20.7	5
5	256QAM	1	12	19.94	20.15	20.05		
5	256QAM	1	24	19.96	20.01	20.00		
5	256QAM	12	0	20.14	20.19	20.19	20.7	5
5	256QAM	12	7	20.05	20.13	20.14		
5	256QAM	12	13	19.98	20.03	19.95		
5	256QAM	25	0	19.99	20.08	20.14		
Channel				20415	20525	20635	Tune-up limit	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	25.08	25.20	25.15	25.7	0
3	QPSK	1	8	24.93	25.14	25.01		
3	QPSK	1	14	24.95	25.08	25.01		
3	QPSK	8	0	24.09	24.19	24.05	24.7	1
3	QPSK	8	4	24.04	24.14	24.02		
3	QPSK	8	7	24.00	24.01	23.97		
3	QPSK	15	0	24.18	24.14	24.15		
3	16QAM	1	0	24.02	24.20	24.14	24.7	1
3	16QAM	1	8	23.94	24.05	24.00		
3	16QAM	1	14	23.86	24.10	24.12		
3	16QAM	8	0	23.09	23.21	23.11	23.7	2
3	16QAM	8	4	22.96	23.19	23.03		
3	16QAM	8	7	22.89	23.04	23.08		
3	16QAM	15	0	23.14	23.16	23.12		
3	64QAM	1	0	22.96	23.13	23.22	23.7	2
3	64QAM	1	8	22.97	23.01	23.00		
3	64QAM	1	14	22.92	23.17	23.11		
3	64QAM	8	0	22.01	22.11	21.96	22.7	3
3	64QAM	8	4	21.88	22.19	22.02		
3	64QAM	8	7	22.00	22.05	22.12		
3	64QAM	15	0	22.07	22.20	22.13		
3	256QAM	1	0	20.08	20.29	20.08	20.7	5
3	256QAM	1	8	20.02	20.16	20.02		
3	256QAM	1	14	20.05	19.98	19.92		
3	256QAM	8	0	20.24	20.26	20.16	20.7	5
3	256QAM	8	4	20.06	20.18	20.14		
3	256QAM	8	7	19.95	20.06	19.96		
3	256QAM	15	0	19.96	20.12	20.04		
Channel				20407	20525	20643	Tune-up limit	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	25.05	25.12	25.04	25.7	0
1.4	QPSK	1	3	24.98	25.09	24.99		
1.4	QPSK	1	5	24.95	25.07	25.03		
1.4	QPSK	3	0	24.98	25.00	24.94		
1.4	QPSK	3	1	24.94	25.05	24.91		
1.4	QPSK	3	3	24.89	24.94	24.94		
1.4	QPSK	6	0	24.09	24.14	24.16	24.7	1
1.4	16QAM	1	0	24.01	24.22	24.12	24.7	1
1.4	16QAM	1	3	23.92	24.10	24.05		
1.4	16QAM	1	5	23.94	24.16	24.15		
1.4	16QAM	3	0	24.00	24.03	24.14		
1.4	16QAM	3	1	23.89	24.10	24.04		
1.4	16QAM	3	3	23.86	24.07	23.92		
1.4	16QAM	6	0	23.23	23.12	23.18	23.7	2
1.4	64QAM	1	0	22.97	23.18	23.15	23.7	2
1.4	64QAM	1	3	22.96	22.95	23.04		
1.4	64QAM	1	5	22.97	23.18	23.17		
1.4	64QAM	3	0	23.16	23.09	23.07		
1.4	64QAM	3	1	22.93	23.09	23.01		
1.4	64QAM	3	3	22.91	22.88	22.99		
1.4	64QAM	6	0	22.04	22.10	22.09	22.7	3
1.4	256QAM	1	0	20.08	20.29	20.07	20.7	5
1.4	256QAM	1	3	20.00	20.15	19.99		
1.4	256QAM	1	5	19.99	20.05	19.99		
1.4	256QAM	3	0	20.14	20.20	20.19		
1.4	256QAM	3	1	19.99	20.19	20.13		
1.4	256QAM	3	3	19.97	20.05	19.98		
1.4	256QAM	6	0	19.90	20.14	20.05	20.7	5

Band 12 Ant0 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	25.10	25.16	25.14	25.7	0
10	QPSK	1	25	24.96	25.10	25.12		
10	QPSK	1	49	25.04	25.08	25.01		
10	QPSK	25	0	24.16	24.18	24.16	24.7	1
10	QPSK	25	12	24.00	24.15	24.13		
10	QPSK	25	25	24.01	24.08	24.02		
10	QPSK	50	0	24.15	24.16	24.09		
10	16QAM	1	0	24.09	24.14	24.12	24.7	1
10	16QAM	1	25	23.92	24.13	24.08		
10	16QAM	1	49	24.02	24.06	24.05		
10	16QAM	25	0	23.12	23.20	23.19	23.7	2
10	16QAM	25	12	22.95	23.09	23.11		
10	16QAM	25	25	22.99	23.02	23.02		
10	16QAM	50	0	23.11	23.16	23.14		
10	64QAM	1	0	23.12	23.20	23.10	23.7	2
10	64QAM	1	25	22.96	23.17	23.06		
10	64QAM	1	49	23.03	23.09	23.02		
10	64QAM	25	0	22.18	22.18	22.16	22.7	3
10	64QAM	25	12	21.96	22.15	22.17		
10	64QAM	25	25	21.99	22.10	22.01		
10	64QAM	50	0	22.19	22.19	22.04		
10	256QAM	1	0	20.13	20.14	20.14	20.7	5
10	256QAM	1	25	20.03	20.13	20.18		
10	256QAM	1	49	20.00	20.12	19.99		
10	256QAM	25	0	20.13	20.13	20.08	20.7	5
10	256QAM	25	12	20.13	20.20	20.13		
10	256QAM	25	25	19.86	20.08	20.03		
10	256QAM	50	0	20.06	20.05	20.10		
Channel				23035	23095	23155	Tune-up limit	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	25.07	25.07	25.07	25.7	0
5	QPSK	1	12	24.89	25.03	24.99		
5	QPSK	1	24	24.94	25.02	24.91		
5	QPSK	12	0	24.13	24.04	24.04	24.7	1
5	QPSK	12	7	23.96	24.02	24.04		
5	QPSK	12	13	23.97	23.99	23.92		
5	QPSK	25	0	24.02	24.04	23.95		
5	16QAM	1	0	24.03	24.09	24.07	24.7	1
5	16QAM	1	12	23.82	24.11	24.05		
5	16QAM	1	24	24.00	23.95	24.02		
5	16QAM	12	0	23.05	23.10	23.16	23.7	2
5	16QAM	12	7	22.90	23.06	23.06		
5	16QAM	12	13	22.86	22.89	22.92		
5	16QAM	25	0	23.06	23.09	23.03		
5	64QAM	1	0	23.09	23.18	23.08	23.7	2
5	64QAM	1	12	22.90	23.11	22.95		
5	64QAM	1	24	22.95	23.06	22.99		
5	64QAM	12	0	22.07	22.12	22.12	22.7	3
5	64QAM	12	7	21.93	22.11	22.09		
5	64QAM	12	13	21.93	22.02	21.87		
5	64QAM	25	0	22.09	22.16	22.01		
5	256QAM	1	0	20.01	20.07	20.06	20.7	5
5	256QAM	1	12	19.95	20.02	20.15		
5	256QAM	1	24	19.90	20.08	19.92		
5	256QAM	12	0	20.04	20.10	20.01	20.7	5
5	256QAM	12	7	20.02	20.16	20.07		
5	256QAM	12	13	19.76	19.95	19.92		
5	256QAM	25	0	19.97	19.91	19.99		
Channel				23025	23095	23165	Tune-up limit	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	25.06	25.07	25.12	25.7	0
3	QPSK	1	8	24.88	25.03	25.00		
3	QPSK	1	14	25.01	25.03	24.99		
3	QPSK	8	0	24.02	24.05	24.02	24.7	1
3	QPSK	8	4	23.94	24.05	24.04		
3	QPSK	8	7	23.96	24.05	23.96		
3	QPSK	15	0	24.11	24.13	24.06		
3	16QAM	1	0	24.01	24.00	24.08	24.7	1
3	16QAM	1	8	23.88	24.05	23.97		
3	16QAM	1	14	24.00	23.95	23.96		
3	16QAM	8	0	23.00	23.16	23.06	23.7	2
3	16QAM	8	4	22.83	22.99	23.04		
3	16QAM	8	7	22.89	22.99	22.98		
3	16QAM	15	0	22.97	23.11	23.04		
3	64QAM	1	0	23.05	23.17	22.99	23.7	2
3	64QAM	1	8	22.87	23.11	22.92		
3	64QAM	1	14	22.99	23.07	22.89		
3	64QAM	8	0	22.05	22.13	22.03	22.7	3
3	64QAM	8	4	21.85	22.05	22.12		
3	64QAM	8	7	21.86	21.99	21.96		
3	64QAM	15	0	22.08	22.07	21.94		
3	256QAM	1	0	20.01	20.09	20.04	20.7	5
3	256QAM	1	8	19.98	20.00	20.10		
3	256QAM	1	14	19.96	20.10	19.95		
3	256QAM	8	0	20.08	20.05	19.95	20.7	5
3	256QAM	8	4	20.00	20.12	20.08		
3	256QAM	8	7	19.76	19.96	19.95		
3	256QAM	15	0	20.03	19.92	20.07		
Channel				23017	23095	23173	Tune-up limit	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	25.00	25.08	25.06	25.7	0
1.4	QPSK	1	3	24.93	24.97	25.06		
1.4	QPSK	1	5	24.95	24.97	24.93		
1.4	QPSK	3	0	24.95	25.00	24.96		
1.4	QPSK	3	1	24.82	24.84	25.00		
1.4	QPSK	3	3	24.82	24.90	24.89		
1.4	QPSK	6	0	24.01	24.05	23.95	24.7	1
1.4	16QAM	1	0	24.01	24.05	24.03	24.7	1
1.4	16QAM	1	3	23.87	24.08	24.04		
1.4	16QAM	1	5	23.94	24.02	24.03		
1.4	16QAM	3	0	23.98	23.99	23.85		
1.4	16QAM	3	1	23.99	23.92	23.97		
1.4	16QAM	3	3	23.76	24.06	23.92		
1.4	16QAM	6	0	23.01	23.10	23.10	23.7	2
1.4	64QAM	1	0	23.03	23.13	23.03	23.7	2
1.4	64QAM	1	3	22.93	23.12	23.03		
1.4	64QAM	1	5	22.92	23.07	22.94		
1.4	64QAM	3	0	22.95	22.99	23.07		
1.4	64QAM	3	1	22.91	23.01	23.00		
1.4	64QAM	3	3	22.81	22.99	22.90		
1.4	64QAM	6	0	22.06	22.16	21.93	22.7	3
1.4	256QAM	1	0	20.03	20.05	20.08	20.7	5
1.4	256QAM	1	3	19.91	20.01	20.10		
1.4	256QAM	1	5	19.86	20.02	19.96		
1.4	256QAM	3	0	20.10	20.05	19.99		
1.4	256QAM	3	1	20.08	20.10	20.00		
1.4	256QAM	3	3	19.77	19.98	19.94		
1.4	256QAM	6	0	19.99	19.93	20.01	20.7	5

Band 13 Ant0 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					23230			
Frequency (MHz)					782			
10	QPSK	1	0		25.14		25.7	0
10	QPSK	1	25		25.07			
10	QPSK	1	49		25.04			
10	QPSK	25	0		24.16		24.7	1
10	QPSK	25	12		24.14			
10	QPSK	25	25		24.01			
10	QPSK	50	0		24.15			
10	16QAM	1	0		24.06		24.7	1
10	16QAM	1	25		24.13			
10	16QAM	1	49		24.07			
10	16QAM	25	0		23.17		23.7	2
10	16QAM	25	12		23.04			
10	16QAM	25	25		23.02			
10	16QAM	50	0		23.18			
10	64QAM	1	0		23.20		23.7	2
10	64QAM	1	25		23.13			
10	64QAM	1	49		23.02			
10	64QAM	25	0		22.20		22.7	3
10	64QAM	25	12		22.10			
10	64QAM	25	25		22.04			
10	64QAM	50	0		22.16			
10	256QAM	1	0		20.15		20.7	5
10	256QAM	1	25		20.08			
10	256QAM	1	49		20.16			
10	256QAM	25	0		20.16		20.7	5
10	256QAM	25	12		20.24			
10	256QAM	25	25		20.04			
10	256QAM	50	0		20.02			
Channel				23205	23230	23255	Tune-up limit	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	25.09	25.10	25.06	25.7	0
5	QPSK	1	12	24.97	24.98	24.99		
5	QPSK	1	24	24.96	25.02	24.94		
5	QPSK	12	0	24.13	24.12	24.14	24.7	1
5	QPSK	12	7	24.10	24.04	24.14		
5	QPSK	12	13	23.93	23.93	23.92		
5	QPSK	25	0	24.09	24.05	24.13		
5	16QAM	1	0	23.94	23.95	24.03	24.7	1
5	16QAM	1	12	24.04	24.12	24.07		
5	16QAM	1	24	24.03	23.95	24.00		
5	16QAM	12	0	23.14	23.16	23.17	23.7	2
5	16QAM	12	7	22.95	23.00	23.04		
5	16QAM	12	13	23.00	22.95	23.01		
5	16QAM	25	0	23.17	23.07	23.06		
5	64QAM	1	0	23.18	23.10	23.10	23.7	2
5	64QAM	1	12	23.04	23.11	23.12		
5	64QAM	1	24	22.97	22.91	22.93		
5	64QAM	12	0	22.18	22.14	22.10	22.7	3
5	64QAM	12	7	22.03	22.01	22.03		
5	64QAM	12	13	22.00	22.01	21.93		
5	64QAM	25	0	22.10	22.11	22.12		
5	256QAM	1	0	20.09	20.13	20.10	20.7	5
5	256QAM	1	12	20.06	20.00	20.04		
5	256QAM	1	24	20.08	20.05	20.10		
5	256QAM	12	0	20.11	20.16	20.11	20.7	5
5	256QAM	12	7	20.17	20.16	20.20		
5	256QAM	12	13	19.99	20.02	19.97		
5	256QAM	25	0	19.96	20.00	19.91		

Band 17 Ant0 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	25.19	25.27	25.22	25.7	0
10	QPSK	1	25	25.07	25.15	25.20		
10	QPSK	1	49	25.14	25.13	25.12		
10	QPSK	25	0	24.24	24.28	24.22	24.7	1
10	QPSK	25	12	24.07	24.22	24.19		
10	QPSK	25	25	24.04	24.13	24.14		
10	QPSK	50	0	24.18	24.25	24.16		
10	16QAM	1	0	24.22	24.16	24.25	24.7	1
10	16QAM	1	25	24.00	24.18	24.14		
10	16QAM	1	49	24.06	24.09	24.13		
10	16QAM	25	0	23.15	23.28	23.28	23.7	2
10	16QAM	25	12	23.02	23.19	23.19		
10	16QAM	25	25	23.08	23.07	23.13		
10	16QAM	50	0	23.23	23.28	23.18		
10	64QAM	1	0	23.24	23.25	23.21	23.7	2
10	64QAM	1	25	23.08	23.19	23.13		
10	64QAM	1	49	23.16	23.19	23.08		
10	64QAM	25	0	22.23	22.21	22.21	22.7	3
10	64QAM	25	12	22.00	22.19	22.30		
10	64QAM	25	25	22.03	22.17	22.13		
10	64QAM	50	0	22.32	22.30	22.07		
10	256QAM	1	0	20.24	20.18	20.20	20.7	5
10	256QAM	1	25	20.12	20.17	20.28		
10	256QAM	1	49	20.09	20.20	20.07		
10	256QAM	25	0	20.16	20.26	20.18	20.7	5
10	256QAM	25	12	20.20	20.31	20.27		
10	256QAM	25	25	19.92	20.19	20.14		
10	256QAM	50	0	20.19	20.13	20.17		
Channel				23755	23790	23825	Tune-up limit	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	25.07	25.14	25.13	25.7	0
5	QPSK	1	12	25.05	25.07	25.07		
5	QPSK	1	24	25.11	25.08	25.03		
5	QPSK	12	0	24.14	24.17	24.08	24.7	1
5	QPSK	12	7	23.93	24.20	24.11		
5	QPSK	12	13	23.97	24.03	24.05		
5	QPSK	25	0	24.07	24.18	24.14		
5	16QAM	1	0	24.14	24.12	24.19	24.7	1
5	16QAM	1	12	23.95	24.14	24.00		
5	16QAM	1	24	23.94	24.00	24.06		
5	16QAM	12	0	23.03	23.23	23.25	23.7	2
5	16QAM	12	7	22.89	23.15	23.11		
5	16QAM	12	13	23.01	23.05	23.02		
5	16QAM	25	0	23.13	23.25	23.15		
5	64QAM	1	0	23.19	23.17	23.15	23.7	2
5	64QAM	1	12	22.98	23.14	23.07		
5	64QAM	1	24	23.08	23.07	22.94		
5	64QAM	12	0	22.13	22.11	22.16	22.7	3
5	64QAM	12	7	21.94	22.12	22.26		
5	64QAM	12	13	21.97	22.14	22.03		
5	64QAM	25	0	22.26	22.28	21.95		
5	256QAM	1	0	20.13	20.10	20.16	20.7	5
5	256QAM	1	12	20.08	20.10	20.20		
5	256QAM	1	24	20.00	20.10	19.96		
5	256QAM	12	0	20.10	20.21	20.07	20.7	5
5	256QAM	12	7	20.12	20.26	20.17		
5	256QAM	12	13	19.83	20.16	20.02		
5	256QAM	25	0	20.15	20.06	20.03		

Band 26 Ant0 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	24.95	25.04	25.01	25.7	0
15	QPSK	1	37	24.82	24.94	24.97		
15	QPSK	1	74	24.89	24.90	24.89		
15	QPSK	36	0	24.07	24.12	23.96	24.7	1
15	QPSK	36	20	23.84	24.04	23.99		
15	QPSK	36	39	23.84	23.95	23.99		
15	QPSK	75	0	23.98	24.05	23.94		
15	16QAM	1	0	24.08	24.00	24.11	24.7	1
15	16QAM	1	37	23.74	24.03	23.95		
15	16QAM	1	74	23.87	23.85	23.91		
15	16QAM	36	0	22.93	23.10	23.12	23.7	2
15	16QAM	36	20	22.87	22.98	22.99		
15	16QAM	36	39	22.86	22.92	22.98		
15	16QAM	75	0	23.04	23.04	22.93		
15	64QAM	1	0	23.02	23.00	23.00	23.7	2
15	64QAM	1	37	22.87	23.00	22.91		
15	64QAM	1	74	22.92	22.96	22.91		
15	64QAM	36	0	22.05	21.99	22.03	22.7	3
15	64QAM	36	20	21.78	22.04	22.14		
15	64QAM	36	39	21.85	21.97	21.92		
15	64QAM	75	0	22.13	22.12	21.84		
15	256QAM	1	0	20.05	19.97	20.05	20.7	5
15	256QAM	1	37	19.91	19.97	20.05		
15	256QAM	1	74	19.92	19.96	19.89		
15	256QAM	36	0	19.92	20.12	20.00	20.7	5
15	256QAM	36	20	19.97	20.08	20.01		
15	256QAM	36	39	19.66	20.00	19.92		
15	256QAM	75	0	19.94	19.88	19.94		
Channel				26740	26865	26990	Tune-up limit	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	24.83	24.92	24.97	25.7	0
10	QPSK	1	25	24.72	24.90	24.86		
10	QPSK	1	49	24.80	24.85	24.82		
10	QPSK	25	0	24.05	24.10	23.87	24.7	1
10	QPSK	25	12	23.81	23.96	23.95		
10	QPSK	25	25	23.76	23.89	23.96		
10	QPSK	50	0	23.93	24.00	23.94		
10	16QAM	1	0	24.01	23.92	24.10	24.7	1
10	16QAM	1	25	23.64	23.94	23.87		
10	16QAM	1	49	23.84	23.83	23.91		
10	16QAM	25	0	22.89	22.99	23.09	23.7	2
10	16QAM	25	12	22.81	22.87	22.97		
10	16QAM	25	25	22.77	22.89	22.86		
10	16QAM	50	0	22.98	23.01	22.88		
10	64QAM	1	0	22.96	22.89	23.00	23.7	2
10	64QAM	1	25	22.78	22.93	22.80		
10	64QAM	1	49	22.86	22.87	22.90		
10	64QAM	25	0	21.94	21.88	21.95	22.7	3
10	64QAM	25	12	21.70	21.99	22.04		
10	64QAM	25	25	21.76	21.96	21.81		
10	64QAM	50	0	22.12	22.11	21.73		
10	256QAM	1	0	19.95	19.90	20.00	20.7	5
10	256QAM	1	25	19.89	19.97	20.02		
10	256QAM	1	49	19.85	19.88	19.79		
10	256QAM	25	0	19.80	20.00	19.97	20.7	5
10	256QAM	25	12	19.92	20.04	19.98		
10	256QAM	25	25	19.60	19.92	19.85		
10	256QAM	50	0	19.83	19.85	19.82		
Channel				26715	26865	27015	Tune-up limit	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	24.91	24.93	24.97	25.7	0
5	QPSK	1	12	24.80	24.89	24.87		
5	QPSK	1	24	24.77	24.81	24.78		
5	QPSK	12	0	24.03	24.12	23.93	24.7	1
5	QPSK	12	7	23.84	24.02	23.87		
5	QPSK	12	13	23.83	23.95	23.88		
5	QPSK	25	0	23.91	24.04	23.94		
5	16QAM	1	0	24.01	23.95	24.02	24.7	1
5	16QAM	1	12	23.73	23.92	23.87		
5	16QAM	1	24	23.82	23.79	23.86		
5	16QAM	12	0	22.91	23.00	23.07	23.7	2
5	16QAM	12	7	22.83	22.92	22.97		
5	16QAM	12	13	22.85	22.87	22.88		
5	16QAM	25	0	23.00	22.96	22.90		
5	64QAM	1	0	22.98	22.88	22.98	23.7	2
5	64QAM	1	12	22.85	22.93	22.88		
5	64QAM	1	24	22.84	22.95	22.87		
5	64QAM	12	0	22.03	21.87	21.92	22.7	3
5	64QAM	12	7	21.72	21.92	22.02		
5	64QAM	12	13	21.73	21.92	21.80		
5	64QAM	25	0	22.05	22.01	21.74		
5	256QAM	1	0	19.94	19.92	20.05	20.7	5
5	256QAM	1	12	19.88	19.92	20.04		
5	256QAM	1	24	19.80	19.87	19.86		
5	256QAM	12	0	19.85	20.07	19.98	20.7	5
5	256QAM	12	7	19.88	19.97	19.91		
5	256QAM	12	13	19.62	19.91	19.92		
5	256QAM	25	0	19.90	19.85	19.89		
Channel				26705	26865	27025	Tune-up limit	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	24.84	24.99	24.89	25.7	0
3	QPSK	1	8	24.75	24.90	24.95		
3	QPSK	1	14	24.85	24.86	24.79		
3	QPSK	8	0	24.03	24.11	23.87	24.7	1
3	QPSK	8	4	23.76	23.98	23.97		
3	QPSK	8	7	23.72	23.94	23.91		
3	QPSK	15	0	23.93	23.99	23.91		
3	16QAM	1	0	23.98	23.90	24.06	24.7	1
3	16QAM	1	8	23.68	23.97	23.89		
3	16QAM	1	14	23.83	23.81	23.88		
3	16QAM	8	0	22.83	23.10	23.04	23.7	2
3	16QAM	8	4	22.84	22.95	22.98		
3	16QAM	8	7	22.80	22.81	22.97		
3	16QAM	15	0	23.03	22.93	22.82		
3	64QAM	1	0	22.96	22.90	22.91	23.7	2
3	64QAM	1	8	22.84	22.90	22.86		
3	64QAM	1	14	22.81	22.96	22.80		
3	64QAM	8	0	22.00	21.92	21.95	22.7	3
3	64QAM	8	4	21.66	21.99	22.05		
3	64QAM	8	7	21.74	21.86	21.83		
3	64QAM	15	0	22.08	22.02	21.72		
3	256QAM	1	0	19.97	19.91	20.02	20.7	5
3	256QAM	1	8	19.85	19.88	19.98		
3	256QAM	1	14	19.89	19.85	19.77		
3	256QAM	8	0	19.83	20.03	19.95	20.7	5
3	256QAM	8	4	19.96	19.99	19.96		
3	256QAM	8	7	19.62	19.88	19.87		
3	256QAM	15	0	19.84	19.86	19.84		
Channel				26697	26865	27033	Tune-up limit	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	24.87	25.02	25.00	25.7	0
1.4	QPSK	1	3	24.72	24.88	24.89		
1.4	QPSK	1	5	24.84	24.84	24.81		
1.4	QPSK	3	0	24.83	24.99	24.94		
1.4	QPSK	3	1	24.64	24.87	24.79		
1.4	QPSK	3	3	24.77	24.73	24.73		
1.4	QPSK	6	0	23.94	24.04	23.88	24.7	1
1.4	16QAM	1	0	24.04	23.95	23.99	24.7	1
1.4	16QAM	1	3	23.66	24.00	23.89		
1.4	16QAM	1	5	23.85	23.76	23.82		
1.4	16QAM	3	0	23.90	23.97	23.78		
1.4	16QAM	3	1	23.93	23.88	23.96		
1.4	16QAM	3	3	23.63	23.92	23.80		
1.4	16QAM	6	0	22.99	22.99	22.90	23.7	2
1.4	64QAM	1	0	22.97	22.96	22.93	23.7	2
1.4	64QAM	1	3	22.83	22.97	22.81		
1.4	64QAM	1	5	22.90	22.89	22.89		
1.4	64QAM	3	0	22.88	22.93	22.87		
1.4	64QAM	3	1	22.96	22.85	22.91		
1.4	64QAM	3	3	22.76	22.96	22.76		
1.4	64QAM	6	0	22.09	22.01	21.80	22.7	3
1.4	256QAM	1	0	20.02	19.89	20.01	20.7	5
1.4	256QAM	1	3	19.86	19.94	20.03		
1.4	256QAM	1	5	19.90	19.85	19.79		
1.4	256QAM	3	0	19.89	20.08	19.92		
1.4	256QAM	3	1	19.86	20.05	19.94		
1.4	256QAM	3	3	19.58	19.89	19.84		
1.4	256QAM	6	0	19.88	19.80	19.94	20.7	5

Band 71 Ant0 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				133222	133322	133372		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	25.13	25.14	25.08	25.7	0
20	QPSK	1	49	25.06	25.11	25.00		
20	QPSK	1	99	25.12	25.07	24.98		
20	QPSK	50	0	24.17	24.19	24.11	24.7	1
20	QPSK	50	24	24.01	24.16	24.02		
20	QPSK	50	50	24.12	24.11	24.02		
20	QPSK	100	0	24.12	24.16	24.10		
20	16QAM	1	0	24.07	24.13	24.14	24.7	1
20	16QAM	1	49	24.07	24.14	23.99		
20	16QAM	1	99	24.08	24.12	23.97		
20	16QAM	50	0	23.19	23.13	23.06	23.7	2
20	16QAM	50	24	23.06	23.13	23.00		
20	16QAM	50	50	23.16	23.15	22.98		
20	16QAM	100	0	23.11	23.17	23.15		
20	64QAM	1	0	23.09	23.12	23.18	23.7	2
20	64QAM	1	49	23.12	23.14	23.02		
20	64QAM	1	99	23.06	23.13	22.99		
20	64QAM	50	0	22.20	22.18	22.08	22.7	3
20	64QAM	50	24	22.00	22.10	22.01		
20	64QAM	50	50	22.08	22.16	22.06		
20	64QAM	100	0	22.17	22.13	22.07		
20	256QAM	1	0	20.13	20.24	20.13	20.7	5
20	256QAM	1	49	20.07	20.17	20.07		
20	256QAM	1	99	20.13	20.12	20.01		
20	256QAM	50	0	20.12	20.12	20.13	20.7	5
20	256QAM	50	24	20.06	20.10	20.17		
20	256QAM	50	50	20.10	20.15	19.96		
20	256QAM	100	0	20.04	20.08	19.99		
Channel				133197	133297	133397	Tune-up limit	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	25.01	25.04	24.97	25.7	0
15	QPSK	1	37	24.96	25.01	24.91		
15	QPSK	1	74	25.03	25.04	24.94		
15	QPSK	36	0	24.07	24.13	24.03	24.7	1
15	QPSK	36	20	23.93	24.11	23.97		
15	QPSK	36	39	24.05	23.98	23.95		
15	QPSK	75	0	24.00	24.09	24.07		
15	16QAM	1	0	24.00	24.02	24.00	24.7	1
15	16QAM	1	37	23.95	24.08	23.88		
15	16QAM	1	74	23.97	24.07	23.84		
15	16QAM	36	0	23.12	23.07	23.04	23.7	2
15	16QAM	36	20	23.01	23.03	22.87		
15	16QAM	36	39	23.12	23.05	22.94		
15	16QAM	75	0	23.04	23.10	23.05		
15	64QAM	1	0	23.03	23.08	23.14	23.7	2
15	64QAM	1	37	22.99	23.10	22.93		
15	64QAM	1	74	22.95	23.00	22.89		
15	64QAM	36	0	22.16	22.06	22.05	22.7	3
15	64QAM	36	20	21.88	21.96	21.95		
15	64QAM	36	39	22.05	22.13	21.92		
15	64QAM	75	0	22.11	22.08	21.99		
15	256QAM	1	0	20.09	20.14	20.11	20.7	5
15	256QAM	1	37	19.96	20.14	20.00		
15	256QAM	1	74	19.99	20.05	19.90		
15	256QAM	36	0	20.01	20.02	20.05	20.7	5
15	256QAM	36	20	20.01	19.97	20.09		
15	256QAM	36	39	20.06	20.10	19.83		
15	256QAM	75	0	19.94	20.04	19.93		
Channel				133172	133272	133422	Tune-up limit	MPR (dB)
Frequency (MHz)				668	678	693		
10	QPSK	1	0	25.04	25.04	24.95	25.7	0
10	QPSK	1	25	25.00	25.01	24.94		
10	QPSK	1	49	25.09	24.99	24.84		
10	QPSK	25	0	24.12	24.15	24.07	24.7	1
10	QPSK	25	12	23.98	24.04	23.98		
10	QPSK	25	25	24.00	23.99	23.94		
10	QPSK	50	0	24.03	24.05	24.04		
10	16QAM	1	0	24.01	24.02	24.01	24.7	1
10	16QAM	1	25	23.95	24.02	23.88		
10	16QAM	1	49	23.96	24.06	23.83		
10	16QAM	25	0	23.15	22.99	22.96	23.7	2
10	16QAM	25	12	22.93	23.03	22.89		
10	16QAM	25	25	23.03	23.03	22.87		
10	16QAM	50	0	23.00	23.10	23.12		
10	64QAM	1	0	22.99	22.99	23.08	23.7	2
10	64QAM	1	25	23.00	23.10	22.95		
10	64QAM	1	49	22.99	22.99	22.88		
10	64QAM	25	0	22.14	22.08	21.99	22.7	3
10	64QAM	25	12	21.95	21.98	21.90		
10	64QAM	25	25	21.99	22.03	22.02		
10	64QAM	50	0	22.06	22.04	21.96		
10	256QAM	1	0	20.06	20.15	20.01	20.7	5
10	256QAM	1	25	20.02	20.12	20.03		
10	256QAM	1	49	20.03	20.00	19.91		
10	256QAM	25	0	20.05	20.07	20.05	20.7	5
10	256QAM	25	12	20.00	20.06	20.06		
10	256QAM	25	25	20.00	20.04	19.91		
10	256QAM	50	0	19.95	20.01	19.91		
Channel				133147	133247	133447	Tune-up limit	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	25.08	25.03	25.01	25.7	0
5	QPSK	1	12	24.96	25.04	24.96		
5	QPSK	1	24	25.00	24.96	24.85		
5	QPSK	12	0	24.14	24.13	23.97	24.7	1
5	QPSK	12	7	23.92	24.06	23.88		
5	QPSK	12	13	24.04	24.09	23.99		
5	QPSK	25	0	24.08	24.05	24.03		
5	16QAM	1	0	24.00	24.01	24.11	24.7	1
5	16QAM	1	12	23.97	24.05	23.88		
5	16QAM	1	24	23.99	24.00	23.92		
5	16QAM	12	0	23.11	23.06	23.01	23.7	2
5	16QAM	12	7	23.02	23.09	22.98		
5	16QAM	12	13	23.12	23.05	22.94		
5	16QAM	25	0	23.04	23.14	23.05		
5	64QAM	1	0	23.03	23.10	23.15	23.7	2
5	64QAM	1	12	23.03	23.07	22.91		
5	64QAM	1	24	23.01	23.11	22.91		
5	64QAM	12	0	22.07	22.14	22.02	22.7	3
5	64QAM	12	7	21.96	22.02	21.93		
5	64QAM	12	13	21.96	22.09	21.95		
5	64QAM	25	0	22.12	22.04	22.01		
5	256QAM	1	0	19.99	20.15	20.06	20.7	5
5	256QAM	1	12	19.94	20.08	20.04		
5	256QAM	1	24	20.09	20.03	19.96		
5	256QAM	12	0	20.07	20.04	20.05	20.7	5
5	256QAM	12	7	19.93	20.07	20.14		
5	256QAM	12	13	19.99	20.03	19.92		
5	256QAM	25	0	19.98	20.06	19.94		

GSM850 Ant1 DSI1

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	30.54	30.71	30.67	32.10	21.54	21.71	21.67	23.10
GPRS 1 Tx slot	30.60	30.69	30.70	32.10	21.60	21.69	21.70	23.10
GPRS 2 Tx slots	27.83	27.87	27.76	29.10	21.83	21.87	21.76	23.10
GPRS 3 Tx slots	25.75	25.96	26.00	27.30	21.49	21.70	21.74	23.04
GPRS 4 Tx slots	24.48	24.59	24.53	26.10	21.48	21.59	21.53	23.10
EDGE 1 Tx slot	27.12	27.23	27.16	28.90	18.12	18.23	18.16	19.90
EDGE 2 Tx slots	23.79	24.01	23.70	25.50	17.79	18.01	17.70	19.50
EDGE 3 Tx slots	21.91	22.11	21.88	23.50	17.65	17.85	17.62	19.24
EDGE 4 Tx slots	19.91	20.12	20.19	21.50	16.91	17.12	17.19	18.50

WCDMA V Ant1 DSI1

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.12	21.10	21.08	22.00
3GPP Rel 99	RMC 12.2Kbps	21.10	21.15	21.11	22.00
3GPP Rel 6	HSDPA Subtest-1	20.28	20.21	20.16	21.00
3GPP Rel 6	HSDPA Subtest-2	20.18	20.20	20.13	21.00
3GPP Rel 6	HSDPA Subtest-3	19.66	19.77	19.64	20.50
3GPP Rel 6	HSDPA Subtest-4	19.65	19.80	19.65	20.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.19	20.17	20.05	21.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.23	20.20	20.14	21.00
3GPP Rel 8	DC-HSDPA Subtest-3	19.71	19.63	19.71	20.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.74	19.66	19.67	20.50
3GPP Rel 6	HSUPA Subtest-1	20.28	20.23	20.09	21.00
3GPP Rel 6	HSUPA Subtest-2	18.20	18.15	18.11	19.00
3GPP Rel 6	HSUPA Subtest-3	19.20	19.19	19.22	20.00
3GPP Rel 6	HSUPA Subtest-4	18.11	18.12	18.13	19.00
3GPP Rel 6	HSUPA Subtest-5	20.26	20.23	20.19	21.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.71	17.63	17.67	18.50

Band 5 Ant1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	21.08	21.11	21.06		
10	QPSK	1	25	21.04	21.04	20.97	21.7	0
10	QPSK	1	49	20.99	21.00	21.00		
10	QPSK	25	0	20.97	21.08	21.00		
10	QPSK	25	12	21.04	21.01	21.02	21.7	0
10	QPSK	25	25	20.95	20.98	20.95		
10	QPSK	50	0	21.06	21.07	20.99		
10	16QAM	1	0	20.95	21.00	20.96		
10	16QAM	1	25	20.95	20.91	20.89	21.7	0
10	16QAM	1	49	20.89	20.89	20.95		
10	16QAM	25	0	20.94	20.95	20.92		
10	16QAM	25	12	21.00	20.96	20.91	21.7	0
10	16QAM	25	25	20.84	20.91	20.91		
10	16QAM	50	0	20.98	20.97	20.96		
10	64QAM	1	0	21.00	20.99	21.01		
10	64QAM	1	25	20.91	20.95	20.86	21.7	0
10	64QAM	1	49	20.94	20.93	20.89		
10	64QAM	25	0	20.92	20.94	20.94		
10	64QAM	25	12	21.02	20.91	20.88	21.7	0
10	64QAM	25	25	20.82	20.92	20.91		
10	64QAM	50	0	20.99	20.97	20.93		
10	256QAM	1	0	20.07	20.16	20.03		
10	256QAM	1	25	20.08	20.05	20.01	20.7	1
10	256QAM	1	49	19.97	19.94	19.96		
10	256QAM	25	0	20.00	20.10	19.96		
10	256QAM	25	12	20.01	20.01	19.98	20.7	1
10	256QAM	25	25	19.91	19.99	19.92		
10	256QAM	50	0	20.04	20.09	19.96		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	20.98	20.98	21.01		
5	QPSK	1	12	20.92	20.90	20.89	21.7	0
5	QPSK	1	24	20.94	20.95	20.89		
5	QPSK	12	0	20.93	20.98	20.94		
5	QPSK	12	7	21.01	20.92	20.99	21.7	0
5	QPSK	12	13	20.92	20.95	20.92		
5	QPSK	25	0	21.02	20.94	20.94		
5	16QAM	1	0	20.89	20.88	20.87		
5	16QAM	1	12	20.87	20.88	20.76	21.7	0
5	16QAM	1	24	20.84	20.84	20.92		
5	16QAM	12	0	20.87	20.84	20.85		
5	16QAM	12	7	20.94	20.86	20.86	21.7	0
5	16QAM	12	13	20.81	20.80	20.87		
5	16QAM	25	0	20.96	20.89	20.90		
5	64QAM	1	0	20.94	20.91	20.99		
5	64QAM	1	12	20.80	20.93	20.80	21.7	0
5	64QAM	1	24	20.89	20.89	20.83		
5	64QAM	12	0	20.87	20.86	20.91		
5	64QAM	12	7	20.97	20.87	20.84	21.7	0
5	64QAM	12	13	20.78	20.84	20.85		
5	64QAM	25	0	20.91	20.86	20.83		
5	256QAM	1	0	20.02	20.11	19.95		
5	256QAM	1	12	19.94	19.95	19.97	20.7	1
5	256QAM	1	24	19.94	19.87	19.85		
5	256QAM	12	0	19.88	20.07	19.93		
5	256QAM	12	7	19.95	19.97	19.95	20.7	1
5	256QAM	12	13	19.87	19.92	19.87		
5	256QAM	25	0	19.96	20.06	19.93		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.00	21.06	21.04		
3	QPSK	1	8	21.01	20.92	20.88	21.7	0
3	QPSK	1	14	20.89	20.97	20.87		
3	QPSK	8	0	20.88	20.99	20.88		
3	QPSK	8	4	20.91	20.93	20.89	21.7	0
3	QPSK	8	7	20.87	20.92	20.85		
3	QPSK	15	0	21.03	20.96	20.94		
3	16QAM	1	0	20.84	20.94	20.89		
3	16QAM	1	8	20.91	20.84	20.80	21.7	0
3	16QAM	1	14	20.79	20.75	20.87		
3	16QAM	8	0	20.90	20.82	20.85		
3	16QAM	8	4	20.97	20.87	20.84	21.7	0
3	16QAM	8	7	20.77	20.88	20.87		
3	16QAM	15	0	20.95	20.87	20.86		
3	64QAM	1	0	20.89	20.88	20.94		
3	64QAM	1	8	20.87	20.90	20.79	21.7	0
3	64QAM	1	14	20.86	20.80	20.82		
3	64QAM	8	0	20.87	20.81	20.84		
3	64QAM	8	4	20.88	20.86	20.75	21.7	0
3	64QAM	8	7	20.72	20.82	20.83		
3	64QAM	15	0	20.97	20.95	20.88		
3	256QAM	1	0	20.02	20.03	19.98		
3	256QAM	1	8	20.03	20.00	19.87	20.7	1
3	256QAM	1	14	19.94	19.84	19.92		
3	256QAM	8	0	19.90	20.05	19.92		
3	256QAM	8	4	19.89	19.91	19.90	20.7	1
3	256QAM	8	7	19.83	19.86	19.83		
3	256QAM	15	0	19.93	20.06	19.91		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.05	21.01	20.96		
1.4	QPSK	1	3	21.01	20.92	20.93		
1.4	QPSK	1	5	20.90	20.94	20.87	21.7	0
1.4	QPSK	3	0	20.89	21.06	20.91		
1.4	QPSK	3	1	21.02	20.97	20.92		
1.4	QPSK	3	3	20.87	20.87	20.82		
1.4	QPSK	6	0	20.96	20.97	20.86	21.7	0
1.4	16QAM	1	0	20.86	20.93	20.94		
1.4	16QAM	1	3	20.87	20.82	20.79		
1.4	16QAM	1	5	20.75	20.82	20.88	21.7	0
1.4	16QAM	3	0	20.83	20.90	20.79		
1.4	16QAM	3	1	20.89	20.83	20.87		
1.4	16QAM	3	3	20.76	20.79	20.81		
1.4	16QAM	6	0	20.96	20.94	20.93	21.7	0
1.4	64QAM	1	0	20.94	20.93	20.95		
1.4	64QAM	1	3	20.78	20.91	20.83		
1.4	64QAM	1	5	20.88	20.91	20.83	21.7	0
1.4	64QAM	3	0	20.88	20.92	20.84		
1.4	64QAM	3	1	20.92	20.88	20.82		
1.4	64QAM	3	3	20.70	20.84	20.88		
1.4	64QAM	6	0	20.89	20.87	20.80	21.7	0
1.4	256QAM	1	0	19.97	20.09	19.97		
1.4	256QAM	1	3	20.04	20.03	19.90		
1.4	256QAM	1	5	19.86	19.88	19.85	20.7	1
1.4	256QAM	3	0	19.89	20.04	19.87		
1.4	256QAM	3	1	19.95	19.93	19.86		
1.4	256QAM	3	3	19.86	19.87	19.80		
1.4	256QAM	6	0	19.98	19.98	19.85	20.7	1

Band 12 Ant1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	24.28	24.32	24.26		
10	QPSK	1	25	24.20	24.27	24.14	24.7	0
10	QPSK	1	49	24.22	24.26	24.18		
10	QPSK	25	0	24.25	24.30	24.14		
10	QPSK	25	12	24.20	24.19	24.21	24.7	0
10	QPSK	25	25	24.17	24.25	24.17		
10	QPSK	50	0	24.15	24.28	24.23		
10	16QAM	1	0	24.18	24.26	24.21		
10	16QAM	1	25	24.08	24.13	24.04	24.7	0
10	16QAM	1	49	24.20	24.22	24.15		
10	16QAM	25	0	23.31	23.37	23.27		
10	16QAM	25	12	23.19	23.28	23.11	23.7	1
10	16QAM	25	25	23.21	23.21	23.16		
10	16QAM	50	0	23.29	23.31	23.17		
10	64QAM	1	0	23.23	23.21	23.23		
10	64QAM	1	25	23.20	23.22	23.23	23.7	1
10	64QAM	1	49	23.17	23.34	23.26		
10	64QAM	25	0	22.26	22.37	22.29		
10	64QAM	25	12	22.17	22.27	22.20	22.7	2
10	64QAM	25	25	22.26	22.28	22.15		
10	64QAM	50	0	22.23	22.34	22.19		
10	256QAM	1	0	20.26	20.38	20.20		
10	256QAM	1	25	20.25	20.29	20.19	20.7	4
10	256QAM	1	49	20.23	20.23	20.16		
10	256QAM	25	0	20.24	20.26	20.16		
10	256QAM	25	12	20.22	20.20	20.22	20.7	4
10	256QAM	25	25	20.13	20.21	20.20		
10	256QAM	50	0	20.20	20.34	20.25		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	24.19	24.26	24.17		
5	QPSK	1	12	24.12	24.16	24.10	24.7	0
5	QPSK	1	24	24.18	24.24	24.06		
5	QPSK	12	0	24.16	24.22	24.02		
5	QPSK	12	7	24.13	24.15	24.14	24.7	0
5	QPSK	12	13	24.10	24.20	24.06		
5	QPSK	25	0	24.04	24.16	24.12		
5	16QAM	1	0	24.05	24.13	24.13		
5	16QAM	1	12	23.98	24.07	23.92	24.7	0
5	16QAM	1	24	24.10	24.19	24.07		
5	16QAM	12	0	23.25	23.33	23.22		
5	16QAM	12	7	23.06	23.23	23.08	23.7	1
5	16QAM	12	13	23.19	23.17	23.13		
5	16QAM	25	0	23.22	23.25	23.11		
5	64QAM	1	0	23.18	23.08	23.10		
5	64QAM	1	12	23.13	23.13	23.20	23.7	1
5	64QAM	1	24	23.04	23.20	23.12		
5	64QAM	12	0	22.15	22.31	22.27		
5	64QAM	12	7	22.11	22.15	22.18	22.7	2
5	64QAM	12	13	22.19	22.25	22.09		
5	64QAM	25	0	22.18	22.23	22.15		
5	256QAM	1	0	20.16	20.27	20.09		
5	256QAM	1	12	20.17	20.22	20.06	20.7	4
5	256QAM	1	24	20.15	20.18	20.14		
5	256QAM	12	0	20.14	20.19	20.04		
5	256QAM	12	7	20.18	20.16	20.20	20.7	4
5	256QAM	12	13	20.11	20.18	20.07		
5	256QAM	25	0	20.07	20.31	20.20		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	24.22	24.22	24.22		
3	QPSK	1	8	24.14	24.24	24.03	24.7	0
3	QPSK	1	14	24.08	24.17	24.11		
3	QPSK	8	0	24.19	24.26	24.01		
3	QPSK	8	4	24.08	24.07	24.13	24.7	0
3	QPSK	8	7	24.08	24.13	24.06		
3	QPSK	15	0	24.11	24.18	24.19		
3	16QAM	1	0	24.09	24.18	24.10		
3	16QAM	1	8	23.98	24.01	23.92	24.7	0
3	16QAM	1	14	24.11	24.18	24.04		
3	16QAM	8	0	23.18	23.27	23.23		
3	16QAM	8	4	23.11	23.25	23.00	23.7	1
3	16QAM	8	7	23.10	23.15	23.12		
3	16QAM	15	0	23.19	23.23	23.07		
3	64QAM	1	0	23.20	23.07	23.16		
3	64QAM	1	8	23.11	23.11	23.18	23.7	1
3	64QAM	1	14	23.09	23.26	23.13		
3	64QAM	8	0	22.17	22.25	22.15		
3	64QAM	8	4	22.11	22.20	22.14	22.7	2
3	64QAM	8	7	22.16	22.23	22.12		
3	64QAM	15	0	22.20	22.21	22.15		
3	256QAM	1	0	20.24	20.25	20.07		
3	256QAM	1	8	20.12	20.24	20.06	20.7	4
3	256QAM	1	14	20.17	20.14	20.14		
3	256QAM	8	0	20.18	20.16	20.10		
3	256QAM	8	4	20.11	20.12	20.12	20.7	4
3	256QAM	8	7	20.08	20.17	20.12		
3	256QAM	15	0	20.17	20.28	20.21		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	24.21	24.24	24.19		
1.4	QPSK	1	3	24.08	24.21	24.00		
1.4	QPSK	1	5	24.13	24.16	24.13	24.7	0
1.4	QPSK	3	0	24.20	24.19	24.07		
1.4	QPSK	3	1	24.17	24.09	24.17		
1.4	QPSK	3	3	24.11	24.23	24.12		
1.4	QPSK	6	0	24.05	24.18	24.09	24.7	0
1.4	16QAM	1	0	24.15	24.16	24.12		
1.4	16QAM	1	3	24.01	24.00	23.96		
1.4	16QAM	1	5	24.06	24.09	24.08	24.7	0
1.4	16QAM	3	0	24.13	24.08	24.06		
1.4	16QAM	3	1	23.89	23.90	23.85		
1.4	16QAM	3	3	24.01	23.99	24.03		
1.4	16QAM	6	0	23.21	23.29	23.14	23.7	1
1.4	64QAM	1	0	23.10	23.08	23.21		
1.4	64QAM	1	3	23.08	23.16	23.21		
1.4	64QAM	1	5	23.13	23.32	23.13	23.7	1
1.4	64QAM	3	0	23.16	23.18	23.10		
1.4	64QAM	3	1	23.02	22.98	23.18		
1.4	64QAM	3	3	22.99	23.06	23.17		
1.4	64QAM	6	0	22.10	22.27	22.05	22.7	2
1.4	256QAM	1	0	20.13	20.34	20.12		
1.4	256QAM	1	3	20.22	20.21	20.07		
1.4	256QAM	1	5	20.18	20.09	20.09	20.7	4
1.4	256QAM	3	0	20.15	20.14	20.13		
1.4	256QAM	3	1	20.13	20.17	20.09		
1.4	256QAM	3	3	20.07	20.17	20.14		
1.4	256QAM	6	0	20.12	20.25	20.18	20.7	4

Band 13 Ant1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					23230			
Frequency (MHz)					782			
10	QPSK	1	0		22.01			
10	QPSK	1	25		21.98		22.2	0
10	QPSK	1	49		21.95			
10	QPSK	25	0		21.97			
10	QPSK	25	12		21.87		22.2	0
10	QPSK	25	25		21.90			
10	QPSK	50	0		21.94			
10	16QAM	1	0		21.90			
10	16QAM	1	25		21.96		22.2	0
10	16QAM	1	49		21.91			
10	16QAM	25	0		21.90			
10	16QAM	25	12		21.80		22.2	0
10	16QAM	25	25		21.82			
10	16QAM	50	0		21.87			
10	64QAM	1	0		21.87			
10	64QAM	1	25		21.93		22.2	0
10	64QAM	1	49		21.91			
10	64QAM	25	0		21.93			
10	64QAM	25	12		21.77		22.2	0
10	64QAM	25	25		21.85			
10	64QAM	50	0		21.85			
10	256QAM	1	0		20.46			
10	256QAM	1	25		20.51		20.7	1.5
10	256QAM	1	49		20.41			
10	256QAM	25	0		20.50			
10	256QAM	25	12		20.34		20.7	1.5
10	256QAM	25	25		20.40			
10	256QAM	50	0		20.47			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	21.96	21.98	21.92		
5	QPSK	1	12	21.91	21.87	21.90	22.2	0
5	QPSK	1	24	21.81	21.85	21.87		
5	QPSK	12	0	21.88	21.94	21.94		
5	QPSK	12	7	21.81	21.84	21.75	22.2	0
5	QPSK	12	13	21.81	21.83	21.79		
5	QPSK	25	0	21.87	21.90	21.81		
5	16QAM	1	0	21.76	21.79	21.77		
5	16QAM	1	12	21.86	21.83	21.86	22.2	0
5	16QAM	1	24	21.89	21.83	21.86		
5	16QAM	12	0	21.80	21.79	21.78		
5	16QAM	12	7	21.67	21.78	21.67	22.2	0
5	16QAM	12	13	21.80	21.70	21.76		
5	16QAM	25	0	21.76	21.81	21.79		
5	64QAM	1	0	21.79	21.80	21.75		
5	64QAM	1	12	21.87	21.83	21.91	22.2	0
5	64QAM	1	24	21.86	21.80	21.78		
5	64QAM	12	0	21.85	21.90	21.82		
5	64QAM	12	7	21.69	21.68	21.72	22.2	0
5	64QAM	12	13	21.83	21.71	21.76		
5	64QAM	25	0	21.75	21.79	21.72		
5	256QAM	1	0	20.43	20.38	20.41		
5	256QAM	1	12	20.39	20.39	20.41	20.7	1.5
5	256QAM	1	24	20.34	20.36	20.34		
5	256QAM	12	0	20.42	20.39	20.44		
5	256QAM	12	7	20.28	20.30	20.21	20.7	1.5
5	256QAM	12	13	20.30	20.38	20.29		
5	256QAM	25	0	20.41	20.40	20.43		

Band 17 Ant1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	24.13	24.20	24.17	24.7	0
10	QPSK	1	25	24.07	24.13	23.99		
10	QPSK	1	49	24.09	24.15	24.13		
10	QPSK	25	0	24.15	24.18	24.09	24.7	0
10	QPSK	25	12	24.14	24.12	24.13		
10	QPSK	25	25	24.04	24.13	24.05		
10	QPSK	50	0	24.08	24.15	24.09		
10	16QAM	1	0	24.05	24.11	24.16	24.7	0
10	16QAM	1	25	23.96	24.09	23.88		
10	16QAM	1	49	24.08	24.14	24.10		
10	16QAM	25	0	23.16	23.29	23.15	23.7	1
10	16QAM	25	12	23.08	23.16	23.07		
10	16QAM	25	25	23.09	23.15	23.03		
10	16QAM	50	0	23.24	23.20	23.08		
10	64QAM	1	0	23.09	23.08	23.11	23.7	1
10	64QAM	1	25	23.08	23.16	23.10		
10	64QAM	1	49	23.06	23.28	23.15		
10	64QAM	25	0	22.16	22.22	22.17	22.7	2
10	64QAM	25	12	22.02	22.17	22.09		
10	64QAM	25	25	22.20	22.14	22.00		
10	64QAM	50	0	22.14	22.21	22.10		
10	256QAM	1	0	20.12	20.26	20.04	20.7	4
10	256QAM	1	25	20.18	20.16	20.07		
10	256QAM	1	49	20.13	20.17	20.08		
10	256QAM	25	0	20.09	20.14	20.08	20.7	4
10	256QAM	25	12	20.16	20.11	20.11		
10	256QAM	25	25	20.08	20.09	20.08		
10	256QAM	50	0	20.15	20.24	20.14		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	24.05	24.07	24.11	24.7	0
5	QPSK	1	12	23.93	23.97	23.87		
5	QPSK	1	24	23.97	24.07	24.04		
5	QPSK	12	0	24.11	24.13	23.98	24.7	0
5	QPSK	12	7	23.99	24.03	24.05		
5	QPSK	12	13	23.89	23.97	23.95		
5	QPSK	25	0	23.97	24.07	23.96		
5	16QAM	1	0	24.00	24.03	24.06	24.7	0
5	16QAM	1	12	23.83	23.97	23.73		
5	16QAM	1	24	23.94	24.08	23.95		
5	16QAM	12	0	23.12	23.14	23.09	23.7	1
5	16QAM	12	7	23.00	23.01	23.02		
5	16QAM	12	13	22.96	23.04	22.97		
5	16QAM	25	0	23.14	23.13	23.03		
5	64QAM	1	0	22.98	22.98	22.96	23.7	1
5	64QAM	1	12	22.93	23.09	22.98		
5	64QAM	1	24	22.98	23.17	23.01		
5	64QAM	12	0	22.10	22.08	22.01	22.7	2
5	64QAM	12	7	21.97	22.02	22.02		
5	64QAM	12	13	22.16	22.06	21.86		
5	64QAM	25	0	21.99	22.06	22.02		
5	256QAM	1	0	20.08	20.14	19.89	20.7	4
5	256QAM	1	12	20.08	20.11	19.95		
5	256QAM	1	24	20.07	20.10	19.95		
5	256QAM	12	0	20.00	20.05	20.03	20.7	4
5	256QAM	12	7	20.08	20.07	19.98		
5	256QAM	12	13	19.93	20.03	19.93		
5	256QAM	25	0	20.01	20.19	20.00		

Band 26 Ant1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	21.14	21.15	21.08	21.7	0
15	QPSK	1	37	21.06	21.12	20.98		
15	QPSK	1	74	21.06	21.03	21.08		
15	QPSK	36	0	21.05	21.14	21.00	21.7	0
15	QPSK	36	20	21.03	21.10	21.03		
15	QPSK	36	39	20.94	20.96	21.03		
15	QPSK	75	0	21.07	21.10	21.07		
15	16QAM	1	0	20.94	21.08	21.01	21.7	0
15	16QAM	1	37	20.93	20.97	20.92		
15	16QAM	1	74	20.90	20.87	20.94		
15	16QAM	36	0	20.98	20.95	21.00	21.7	0
15	16QAM	36	20	21.04	20.95	20.94		
15	16QAM	36	39	20.92	20.89	20.91		
15	16QAM	75	0	21.03	20.95	20.99		
15	64QAM	1	0	21.01	21.02	21.09	21.7	0
15	64QAM	1	37	20.99	20.99	20.84		
15	64QAM	1	74	20.91	20.98	20.92		
15	64QAM	36	0	20.98	21.02	20.92	21.7	0
15	64QAM	36	20	21.02	20.90	20.89		
15	64QAM	36	39	20.91	20.93	20.96		
15	64QAM	75	0	21.08	21.05	20.91		
15	256QAM	1	0	20.10	20.14	20.10	20.7	1
15	256QAM	1	37	20.14	20.10	20.05		
15	256QAM	1	74	20.03	20.01	20.00		
15	256QAM	36	0	20.00	20.12	20.04	20.7	1
15	256QAM	36	20	20.02	20.02	19.95		
15	256QAM	36	39	19.95	19.99	19.91		
15	256QAM	75	0	20.11	20.11	20.05		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	21.00	21.11	20.99	21.7	0
10	QPSK	1	25	21.00	21.04	20.87		
10	QPSK	1	49	21.02	20.90	21.03		
10	QPSK	25	0	20.94	21.03	20.93	21.7	0
10	QPSK	25	12	20.93	20.98	21.00		
10	QPSK	25	25	20.89	20.85	20.98		
10	QPSK	50	0	21.04	21.01	21.02		
10	16QAM	1	0	20.83	20.99	20.91	21.7	0
10	16QAM	1	25	20.87	20.85	20.88		
10	16QAM	1	49	20.80	20.74	20.82		
10	16QAM	25	0	20.91	20.84	20.97	21.7	0
10	16QAM	25	12	21.01	20.92	20.81		
10	16QAM	25	25	20.89	20.87	20.87		
10	16QAM	50	0	20.95	20.83	20.86		
10	64QAM	1	0	20.88	20.92	21.01	21.7	0
10	64QAM	1	25	20.87	20.90	20.75		
10	64QAM	1	49	20.81	20.94	20.80		
10	64QAM	25	0	20.88	20.90	20.89	21.7	0
10	64QAM	25	12	20.91	20.78	20.81		
10	64QAM	25	25	20.83	20.82	20.93		
10	64QAM	50	0	21.02	20.99	20.82		
10	256QAM	1	0	20.06	20.06	20.07	20.7	1
10	256QAM	1	25	20.00	20.02	19.94		
10	256QAM	1	49	19.90	19.90	19.95		
10	256QAM	25	0	19.97	20.06	19.95	20.7	1
10	256QAM	25	12	19.92	20.00	19.87		
10	256QAM	25	25	19.91	19.96	19.86		
10	256QAM	50	0	20.08	20.08	19.97		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	21.01	21.02	20.99	21.7	0
5	QPSK	1	12	20.98	21.01	20.90		
5	QPSK	1	24	20.93	21.00	20.95		
5	QPSK	12	0	20.96	21.04	20.92	21.7	0
5	QPSK	12	7	20.98	21.04	20.94		
5	QPSK	12	13	20.87	20.83	20.99		
5	QPSK	25	0	21.04	21.01	21.04		
5	16QAM	1	0	20.82	21.03	20.94	21.7	0
5	16QAM	1	12	20.83	20.91	20.89		
5	16QAM	1	24	20.77	20.80	20.87		
5	16QAM	12	0	20.87	20.85	20.90	21.7	0
5	16QAM	12	7	20.91	20.83	20.83		
5	16QAM	12	13	20.83	20.84	20.88		
5	16QAM	25	0	20.96	20.82	20.92		
5	64QAM	1	0	20.92	20.95	21.03	21.7	0
5	64QAM	1	12	20.88	20.91	20.78		
5	64QAM	1	24	20.85	20.87	20.80		
5	64QAM	12	0	20.90	20.97	20.83	21.7	0
5	64QAM	12	7	20.97	20.84	20.76		
5	64QAM	12	13	20.88	20.89	20.83		
5	64QAM	25	0	20.95	20.95	20.83		
5	256QAM	1	0	19.99	20.06	19.99	20.7	1
5	256QAM	1	12	20.01	20.03	19.93		
5	256QAM	1	24	19.91	19.95	19.95		
5	256QAM	12	0	19.94	19.99	19.91	20.7	1
5	256QAM	12	7	19.96	19.97	19.82		
5	256QAM	12	13	19.86	19.92	19.79		
5	256QAM	25	0	20.00	20.03	19.93		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	21.05	21.02	21.00	21.7	0
3	QPSK	1	8	20.99	21.00	20.93		
3	QPSK	1	14	20.95	21.00	21.04		
3	QPSK	8	0	20.98	21.08	20.92	21.7	0
3	QPSK	8	4	20.97	21.03	20.90		
3	QPSK	8	7	20.89	20.87	20.91		
3	QPSK	15	0	21.03	21.02	21.00		
3	16QAM	1	0	20.92	21.03	20.88	21.7	0
3	16QAM	1	8	20.84	20.85	20.86		
3	16QAM	1	14	20.80	20.82	20.92		
3	16QAM	8	0	20.94	20.81	20.93	21.7	0
3	16QAM	8	4	20.96	20.91	20.85		
3	16QAM	8	7	20.81	20.80	20.84		
3	16QAM	15	0	20.97	20.86	20.96		
3	64QAM	1	0	20.90	20.99	21.07	21.7	0
3	64QAM	1	8	20.88	20.87	20.74		
3	64QAM	1	14	20.85	20.94	20.81		
3	64QAM	8	0	20.92	20.91	20.90	21.7	0
3	64QAM	8	4	20.91	20.82	20.78		
3	64QAM	8	7	20.82	20.80	20.87		
3	64QAM	15	0	20.99	21.03	20.82		
3	256QAM	1	0	20.00	20.10	20.00	20.7	1
3	256QAM	1	8	20.05	20.07	20.02		
3	256QAM	1	14	19.92	19.98	19.94		
3	256QAM	8	0	19.89	20.05	19.99	20.7	1
3	256QAM	8	4	19.89	19.92	19.82		
3	256QAM	8	7	19.90	19.93	19.84		
3	256QAM	15	0	20.03	19.97	20.01		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	21.12	21.10	21.01	21.7	0
1.4	QPSK	1	3	20.94	21.09	20.93		
1.4	QPSK	1	5	20.97	20.97	21.01		
1.4	QPSK	3	0	20.96	21.01	20.88		
1.4	QPSK	3	1	20.89	20.97	20.89		
1.4	QPSK	3	3	20.90	20.84	20.98		
1.4	QPSK	6	0	21.03	21.00	20.94	21.7	0
1.4	16QAM	1	0	20.82	21.04	20.98	21.7	0
1.4	16QAM	1	3	20.82	20.88	20.87		
1.4	16QAM	1	5	20.79	20.75	20.81		
1.4	16QAM	3	0	20.88	20.83	20.89		
1.4	16QAM	3	1	20.98	20.84	20.81		
1.4	16QAM	3	3	20.88	20.81	20.85		
1.4	16QAM	6	0	20.98	20.84	20.91	21.7	0
1.4	64QAM	1	0	20.94	20.97	20.99	21.7	0
1.4	64QAM	1	3	20.85	20.87	20.72		
1.4	64QAM	1	5	20.86	20.93	20.86		
1.4	64QAM	3	0	20.95	20.96	20.83		
1.4	64QAM	3	1	20.97	20.82	20.84		
1.4	64QAM	3	3	20.77	20.82	20.83		
1.4	64QAM	6	0	20.96	21.03	20.83	21.7	0
1.4	256QAM	1	0	19.96	20.09	20.07	20.7	1
1.4	256QAM	1	3	20.09	20.00	19.98		
1.4	256QAM	1	5	19.98	19.90	19.89		
1.4	256QAM	3	0	19.97	19.99	19.98		
1.4	256QAM	3	1	19.94	19.90	19.89		
1.4	256QAM	3	3	19.92	19.95	19.79		
1.4	256QAM	6	0	20.07	20.04	19.93	20.7	1

Band 71 Ant1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				133222	133322	133372		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	25.28	25.35	25.32	25.4	0
20	QPSK	1	49	25.24	25.30	25.29		
20	QPSK	1	99	25.14	25.29	25.20		
20	QPSK	50	0	24.28	24.40	24.32	24.4	1
20	QPSK	50	24	24.29	24.32	24.31		
20	QPSK	50	50	24.16	24.25	24.20		
20	QPSK	100	0	24.30	24.38	24.28		
20	16QAM	1	0	24.30	24.37	24.26	24.4	1
20	16QAM	1	49	24.24	24.30	24.24		
20	16QAM	1	99	24.16	24.26	24.22		
20	16QAM	50	0	23.27	23.35	23.31	23.4	2
20	16QAM	50	24	23.34	23.31	23.26		
20	16QAM	50	50	23.16	23.23	23.16		
20	16QAM	100	0	23.34	23.37	23.33		
20	64QAM	1	0	23.29	23.22	23.26	23.4	2
20	64QAM	1	49	23.20	23.34	23.27		
20	64QAM	1	99	23.17	23.22	23.23		
20	64QAM	50	0	22.25	22.40	22.35	22.4	3
20	64QAM	50	24	22.32	22.34	22.34		
20	64QAM	50	50	22.12	22.24	22.22		
20	64QAM	100	0	22.32	22.38	22.24		
20	256QAM	1	0	20.30	20.38	20.29	20.4	5
20	256QAM	1	49	20.33	20.37	20.30		
20	256QAM	1	99	20.15	20.30	20.19		
20	256QAM	50	0	20.30	20.31	20.27	20.4	5
20	256QAM	50	24	20.35	20.22	20.23		
20	256QAM	50	50	20.21	20.31	20.24		
20	256QAM	100	0	20.18	20.29	20.17		
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	25.24	25.30	25.19	25.4	0
15	QPSK	1	37	25.18	25.26	25.22		
15	QPSK	1	74	25.10	25.17	25.17		
15	QPSK	36	0	24.17	24.36	24.18	24.4	1
15	QPSK	36	20	24.23	24.19	24.27		
15	QPSK	36	39	24.11	24.23	24.08		
15	QPSK	75	0	24.23	24.24	24.24		
15	16QAM	1	0	24.22	24.35	24.14	24.4	1
15	16QAM	1	37	24.19	24.18	24.20		
15	16QAM	1	74	24.03	24.23	24.15		
15	16QAM	36	0	23.14	23.25	23.25	23.4	2
15	16QAM	36	20	23.25	23.21	23.18		
15	16QAM	36	39	23.13	23.19	23.14		
15	16QAM	75	0	23.27	23.33	23.27		
15	64QAM	1	0	23.25	23.29	23.16	23.4	2
15	64QAM	1	37	23.12	23.26	23.18		
15	64QAM	1	74	23.07	23.14	23.14		
15	64QAM	36	0	22.14	22.37	22.25	22.4	3
15	64QAM	36	20	22.27	22.30	22.22		
15	64QAM	36	39	22.09	22.20	22.06		
15	64QAM	75	0	22.25	22.33	22.12		
15	256QAM	1	0	20.25	20.30	20.19	20.4	5
15	256QAM	1	37	20.25	20.25	20.18		
15	256QAM	1	74	20.13	20.20	20.09		
15	256QAM	36	0	20.27	20.29	20.20	20.4	5
15	256QAM	36	20	20.22	20.29	20.13		
15	256QAM	36	39	20.16	20.21	20.14		
15	256QAM	75	0	20.07	20.20	20.09		
Channel				133172	133272	133422	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	678	693		
10	QPSK	1	0	25.14	25.27	25.27	25.4	0
10	QPSK	1	25	25.17	25.28	25.24		
10	QPSK	1	49	25.10	25.18	25.09		
10	QPSK	25	0	24.24	24.27	24.28	24.4	1
10	QPSK	25	12	24.25	24.25	24.18		
10	QPSK	25	25	24.02	24.17	24.10		
10	QPSK	50	0	24.25	24.30	24.20		
10	16QAM	1	0	24.26	24.28	24.23	24.4	1
10	16QAM	1	25	24.13	24.17	24.19		
10	16QAM	1	49	24.11	24.13	24.17		
10	16QAM	25	0	23.21	23.26	23.22	23.4	2
10	16QAM	25	12	23.29	23.27	23.21		
10	16QAM	25	25	23.10	23.18	23.02		
10	16QAM	50	0	23.28	23.29	23.26		
10	64QAM	1	0	23.20	23.38	23.14	23.4	2
10	64QAM	1	25	23.08	23.22	23.15		
10	64QAM	1	49	23.13	23.11	23.18		
10	64QAM	25	0	22.18	22.35	22.31	22.4	3
10	64QAM	25	12	22.26	22.30	22.20		
10	64QAM	25	25	22.03	22.17	22.13		
10	64QAM	50	0	22.29	22.34	22.13		
10	256QAM	1	0	20.17	20.36	20.17	20.4	5
10	256QAM	1	25	20.21	20.31	20.19		
10	256QAM	1	49	20.12	20.26	20.05		
10	256QAM	25	0	20.18	20.28	20.15	20.4	5
10	256QAM	25	12	20.24	20.26	20.17		
10	256QAM	25	25	20.17	20.18	20.15		
10	256QAM	50	0	20.10	20.24	20.13		
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	25.25	25.23	25.26	25.4	0
5	QPSK	1	12	25.15	25.27	25.22		
5	QPSK	1	24	25.09	25.15	25.14		
5	QPSK	12	0	24.20	24.29	24.18	24.4	1
5	QPSK	12	7	24.16	24.26	24.27		
5	QPSK	12	13	24.07	24.20	24.06		
5	QPSK	25	0	24.27	24.26	24.17		
5	16QAM	1	0	24.17	24.28	24.17	24.4	1
5	16QAM	1	12	24.20	24.21	24.18		
5	16QAM	1	24	24.06	24.15	24.13		
5	16QAM	12	0	23.21	23.29	23.20	23.4	2
5	16QAM	12	7	23.25	23.21	23.14		
5	16QAM	12	13	23.14	23.21	23.04		
5	16QAM	25	0	23.29	23.26	23.23		
5	64QAM	1	0	23.19	23.38	23.19	23.4	2
5	64QAM	1	12	23.11	23.22	23.16		
5	64QAM	1	24	23.07	23.16	23.11		
5	64QAM	12	0	22.21	22.31	22.31	22.4	3
5	64QAM	12	7	22.25	22.25	22.29		
5	64QAM	12	13	22.05	22.16	22.19		
5	64QAM	25	0	22.26	22.26	22.14		
5	256QAM	1	0	20.19	20.29	20.25	20.4	5
5	256QAM	1	12	20.21	20.34	20.21		
5	256QAM	1	24	20.11	20.27	20.15		
5	256QAM	12	0	20.22	20.38	20.15	20.4	5
5	256QAM	12	7	20.22	20.40	20.17		
5	256QAM	12	13	20.13	20.19	20.16		
5	256QAM	25	0	20.09	20.20	20.05		

GSM1900 Ant5 DSI1

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.93	28.83	28.80	30.00	19.93	19.83	19.80	21.00
GPRS 1 Tx slot	28.96	29.01	29.10	30.00	19.96	20.01	20.10	21.00
GPRS 2 Tx slots	25.64	25.73	25.75	27.00	19.64	19.73	19.75	21.00
GPRS 3 Tx slots	24.65	24.69	24.59	25.20	20.39	20.43	20.33	20.94
GPRS 4 Tx slots	22.76	22.85	22.70	24.00	19.76	19.85	19.70	21.00
EDGE 1 Tx slot	25.61	26.01	25.93	27.00	16.51	17.01	16.93	18.00
EDGE 2 Tx slots	22.65	22.81	23.05	24.00	16.65	16.81	17.05	18.00
EDGE 3 Tx slots	21.55	21.54	21.54	22.20	17.29	17.28	17.28	17.94
EDGE 4 Tx slots	19.81	19.87	19.78	21.00	16.81	16.87	16.78	18.00

WCDMA II Ant5 DSI1 WCDMA IV Ant5 DSI1

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.46	19.60	19.43	20.50	19.42	19.62	19.41	20.50
3GPP Rel 99	RMC 12.2Kbps	19.59	19.63	19.55	20.50	19.63	19.65	19.58	20.50
3GPP Rel 6	HSDPA Subtest-1	18.57	18.68	18.51	19.50	18.62	18.72	18.50	19.50
3GPP Rel 6	HSDPA Subtest-2	18.62	18.65	18.50	19.50	18.67	18.63	18.57	19.50
3GPP Rel 6	HSDPA Subtest-3	18.08	18.16	18.05	19.00	18.14	18.12	18.11	19.00
3GPP Rel 6	HSDPA Subtest-4	18.08	18.10	18.06	19.00	18.04	18.17	18.05	19.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.55	18.60	18.51	19.50	18.51	18.60	18.57	19.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.57	18.67	18.50	19.50	18.58	18.69	18.49	19.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.04	18.15	18.05	19.00	18.01	18.18	18.12	19.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.07	18.09	18.10	19.00	18.10	18.09	18.16	19.00
3GPP Rel 6	HSUPA Subtest-1	18.53	18.58	18.59	19.50	18.58	18.64	18.56	19.50
3GPP Rel 6	HSUPA Subtest-2	16.53	16.63	16.59	17.50	16.60	16.63	16.54	17.50
3GPP Rel 6	HSUPA Subtest-3	17.64	17.65	17.56	18.50	17.69	17.71	17.53	18.50
3GPP Rel 6	HSUPA Subtest-4	16.61	16.61	16.51	17.50	16.58	16.67	16.47	17.50
3GPP Rel 6	HSUPA Subtest-5	18.64	18.65	18.53	19.50	18.66	18.64	18.48	19.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.06	16.08	15.99	17.00	16.06	16.04	16.04	17.00

Band 2 Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	19.72	19.76	19.73		
20	QPSK	1	49	19.60	19.62	19.64	20.5	0
20	QPSK	1	99	19.70	19.73	19.70		
20	QPSK	50	0	19.62	19.74	19.60		
20	QPSK	50	24	19.69	19.64	19.70	20.5	0
20	QPSK	50	50	19.66	19.66	19.65		
20	QPSK	100	0	19.63	19.70	19.65		
20	16QAM	1	0	19.66	19.66	19.61		
20	16QAM	1	49	19.49	19.49	19.62	20.5	0
20	16QAM	1	99	19.57	19.69	19.61		
20	16QAM	50	0	19.58	19.69	19.47		
20	16QAM	50	24	19.64	19.58	19.65	20.5	0
20	16QAM	50	50	19.54	19.53	19.53		
20	16QAM	100	0	19.53	19.58	19.51		
20	64QAM	1	0	19.61	19.67	19.62		
20	64QAM	1	49	19.54	19.60	19.56	20.5	0
20	64QAM	1	99	19.68	19.61	19.67		
20	64QAM	50	0	19.60	19.62	19.54		
20	64QAM	50	24	19.66	19.50	19.62	20.5	0
20	64QAM	50	50	19.60	19.63	19.51		
20	64QAM	100	0	19.55	19.67	19.52		
20	256QAM	1	0	19.20	19.29	19.27		
20	256QAM	1	49	19.15	19.08	19.17	20	0.5
20	256QAM	1	99	19.20	19.21	19.23		
20	256QAM	50	0	19.14	19.26	19.04		
20	256QAM	50	24	19.19	19.09	19.21	20	0.5
20	256QAM	50	50	19.17	19.14	19.09		
20	256QAM	100	0	19.12	19.20	19.20		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.71	19.71	19.64		
15	QPSK	1	37	19.52	19.60	19.57	20.5	0
15	QPSK	1	74	19.59	19.61	19.59		
15	QPSK	36	0	19.55	19.68	19.59		
15	QPSK	36	20	19.65	19.64	19.65	20.5	0
15	QPSK	36	39	19.65	19.63	19.56		
15	QPSK	75	0	19.53	19.61	19.63		
15	16QAM	1	0	19.57	19.61	19.61		
15	16QAM	1	37	19.39	19.41	19.58	20.5	0
15	16QAM	1	74	19.57	19.62	19.61		
15	16QAM	36	0	19.50	19.63	19.37		
15	16QAM	36	20	19.52	19.48	19.59	20.5	0
15	16QAM	36	39	19.47	19.43	19.51		
15	16QAM	75	0	19.49	19.55	19.44		
15	64QAM	1	0	19.58	19.61	19.58		
15	64QAM	1	37	19.46	19.49	19.50	20.5	0
15	64QAM	1	74	19.61	19.52	19.57		
15	64QAM	36	0	19.52	19.57	19.46		
15	64QAM	36	20	19.54	19.45	19.60	20.5	0
15	64QAM	36	39	19.51	19.54	19.45		
15	64QAM	75	0	19.45	19.65	19.43		
15	256QAM	1	0	19.09	19.23	19.16		
15	256QAM	1	37	19.05	19.01	19.15	20	0.5
15	256QAM	1	74	19.12	19.15	19.15		
15	256QAM	36	0	19.11	19.20	18.97		
15	256QAM	36	20	19.15	19.07	19.12	20	0.5
15	256QAM	36	39	19.10	19.10	19.09		
15	256QAM	75	0	19.11	19.19	19.19		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.67	19.69	19.70	20.5	0
10	QPSK	1	25	19.49	19.52	19.58		
10	QPSK	1	49	19.59	19.63	19.65		
10	QPSK	25	0	19.60	19.70	19.58		
10	QPSK	25	12	19.67	19.61	19.61	20.5	0
10	QPSK	25	25	19.62	19.64	19.57		
10	QPSK	50	0	19.61	19.61	19.61		
10	16QAM	1	0	19.60	19.57	19.57		
10	16QAM	1	25	19.45	19.45	19.54	20.5	0
10	16QAM	1	49	19.51	19.65	19.56		
10	16QAM	25	0	19.48	19.68	19.47		
10	16QAM	25	12	19.58	19.50	19.56	20.5	0
10	16QAM	25	25	19.48	19.48	19.49		
10	16QAM	50	0	19.46	19.56	19.47		
10	64QAM	1	0	19.60	19.57	19.52		
10	64QAM	1	25	19.49	19.50	19.45	20.5	0
10	64QAM	1	49	19.58	19.55	19.63		
10	64QAM	25	0	19.57	19.57	19.45		
10	64QAM	25	12	19.58	19.46	19.51	20.5	0
10	64QAM	25	25	19.60	19.59	19.41		
10	64QAM	50	0	19.48	19.60	19.43		
10	256QAM	1	0	19.19	19.28	19.19		
10	256QAM	1	25	19.14	19.06	19.05	20	0.5
10	256QAM	1	49	19.13	19.19	19.21		
10	256QAM	25	0	19.12	19.21	18.99		
10	256QAM	25	12	19.10	19.04	19.11	20	0.5
10	256QAM	25	25	19.15	19.10	19.00		
10	256QAM	50	0	19.04	19.14	19.19		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	19.67	19.69	19.63		
5	QPSK	1	12	19.57	19.53	19.54	20.5	0
5	QPSK	1	24	19.65	19.66	19.62		
5	QPSK	12	0	19.56	19.73	19.48		
5	QPSK	12	7	19.68	19.52	19.61	20.5	0
5	QPSK	12	13	19.55	19.54	19.64		
5	QPSK	25	0	19.61	19.68	19.56		
5	16QAM	1	0	19.58	19.60	19.56		
5	16QAM	1	12	19.40	19.45	19.50	20.5	0
5	16QAM	1	24	19.50	19.65	19.51		
5	16QAM	12	0	19.50	19.59	19.39		
5	16QAM	12	7	19.56	19.53	19.61	20.5	0
5	16QAM	12	13	19.43	19.41	19.45		
5	16QAM	25	0	19.48	19.54	19.43		
5	64QAM	1	0	19.54	19.55	19.55		
5	64QAM	1	12	19.54	19.50	19.45	20.5	0
5	64QAM	1	24	19.63	19.60	19.67		
5	64QAM	12	0	19.59	19.59	19.50		
5	64QAM	12	7	19.62	19.40	19.58	20.5	0
5	64QAM	12	13	19.52	19.61	19.40		
5	64QAM	25	0	19.54	19.59	19.49		
5	256QAM	1	0	19.18	19.17	19.26		
5	256QAM	1	12	19.11	18.98	19.07	20	0.5
5	256QAM	1	24	19.11	19.17	19.20		
5	256QAM	12	0	19.05	19.16	19.02		
5	256QAM	12	7	19.10	19.08	19.15	20	0.5
5	256QAM	12	13	19.07	19.03	19.00		
5	256QAM	25	0	19.08	19.17	19.13		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.65	19.74	19.67		
3	QPSK	1	8	19.52	19.55	19.63	20.5	0
3	QPSK	1	14	19.62	19.67	19.67		
3	QPSK	8	0	19.54	19.66	19.49		
3	QPSK	8	4	19.66	19.56	19.60	20.5	0
3	QPSK	8	7	19.61	19.65	19.56		
3	QPSK	15	0	19.56	19.61	19.62		
3	16QAM	1	0	19.61	19.65	19.57		
3	16QAM	1	8	19.44	19.45	19.53	20.5	0
3	16QAM	1	14	19.48	19.61	19.53		
3	16QAM	8	0	19.47	19.63	19.36		
3	16QAM	8	4	19.58	19.46	19.65	20.5	0
3	16QAM	8	7	19.47	19.53	19.47		
3	16QAM	15	0	19.51	19.53	19.47		
3	64QAM	1	0	19.55	19.56	19.58		
3	64QAM	1	8	19.53	19.55	19.45	20.5	0
3	64QAM	1	14	19.66	19.49	19.56		
3	64QAM	8	0	19.59	19.57	19.52		
3	64QAM	8	4	19.55	19.44	19.51	20.5	0
3	64QAM	8	7	19.51	19.63	19.40		
3	64QAM	15	0	19.43	19.66	19.48		
3	256QAM	1	0	19.15	19.25	19.22		
3	256QAM	1	8	19.07	19.01	19.09	20	0.5
3	256QAM	1	14	19.15	19.15	19.13		
3	256QAM	8	0	19.05	19.25	18.99		
3	256QAM	8	4	19.07	19.00	19.16	20	0.5
3	256QAM	8	7	19.10	19.05	18.99		
3	256QAM	15	0	19.04	19.18	19.12		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.69	19.69	19.62		
1.4	QPSK	1	3	19.51	19.50	19.62		
1.4	QPSK	1	5	19.69	19.72	19.64	20.5	0
1.4	QPSK	3	0	19.50	19.71	19.48		
1.4	QPSK	3	1	19.69	19.64	19.64		
1.4	QPSK	3	3	19.66	19.62	19.61		
1.4	QPSK	6	0	19.52	19.59	19.56	20.5	0
1.4	16QAM	1	0	19.60	19.63	19.57		
1.4	16QAM	1	3	19.40	19.48	19.57		
1.4	16QAM	1	5	19.47	19.69	19.53	20.5	0
1.4	16QAM	3	0	19.54	19.65	19.47		
1.4	16QAM	3	1	19.53	19.54	19.62		
1.4	16QAM	3	3	19.44	19.48	19.51		
1.4	16QAM	6	0	19.50	19.56	19.39	20.5	0
1.4	64QAM	1	0	19.55	19.65	19.53		
1.4	64QAM	1	3	19.45	19.56	19.47		
1.4	64QAM	1	5	19.57	19.50	19.57	20.5	0
1.4	64QAM	3	0	19.57	19.54	19.54		
1.4	64QAM	3	1	19.57	19.46	19.54		
1.4	64QAM	3	3	19.59	19.57	19.51		
1.4	64QAM	6	0	19.46	19.64	19.42	20.5	0
1.4	256QAM	1	0	19.10	19.20	19.19		
1.4	256QAM	1	3	19.08	18.97	19.06		
1.4	256QAM	1	5	19.10	19.16	19.15	20	0.5
1.4	256QAM	3	0	19.13	19.14	18.98		
1.4	256QAM	3	1	19.17	19.07	19.16		
1.4	256QAM	3	3	19.12	19.04	19.08		
1.4	256QAM	6	0	19.09	19.15	19.09	20	0.5

Band 4 Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	19.35	19.39	19.33		
20	QPSK	1	49	19.31	19.28	19.33	20.2	0
20	QPSK	1	99	19.25	19.37	19.27		
20	QPSK	50	0	19.23	19.38	19.30		
20	QPSK	50	24	19.26	19.27	19.28	20.2	0
20	QPSK	50	50	19.24	19.35	19.26		
20	QPSK	100	0	19.30	19.37	19.23		
20	16QAM	1	0	19.33	19.30	19.29		
20	16QAM	1	49	19.20	19.19	19.23	20.2	0
20	16QAM	1	99	19.21	19.32	19.22		
20	16QAM	50	0	19.22	19.38	19.24		
20	16QAM	50	24	19.16	19.21	19.28	20.2	0
20	16QAM	50	50	19.13	19.30	19.21		
20	16QAM	100	0	19.25	19.28	19.15		
20	64QAM	1	0	19.29	19.31	19.27		
20	64QAM	1	49	19.29	19.27	19.33	20.2	0
20	64QAM	1	99	19.21	19.36	19.15		
20	64QAM	50	0	19.16	19.32	19.18		
20	64QAM	50	24	19.21	19.17	19.16	20.2	0
20	64QAM	50	50	19.23	19.34	19.22		
20	64QAM	100	0	19.28	19.36	19.15		
20	256QAM	1	0	19.34	19.32	19.21		
20	256QAM	1	49	19.26	19.20	19.29	20.2	0
20	256QAM	1	99	19.24	19.25	19.23		
20	256QAM	50	0	19.17	19.37	19.27		
20	256QAM	50	24	19.26	19.18	19.22	20.2	0
20	256QAM	50	50	19.14	19.29	19.18		
20	256QAM	100	0	19.25	19.31	19.11		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	19.23	19.34	19.25		
15	QPSK	1	37	19.26	19.22	19.30	20.2	0
15	QPSK	1	74	19.15	19.33	19.14		
15	QPSK	36	0	19.19	19.28	19.20		
15	QPSK	36	20	19.17	19.14	19.19	20.2	0
15	QPSK	36	39	19.11	19.22	19.16		
15	QPSK	75	0	19.18	19.26	19.19		
15	16QAM	1	0	19.25	19.18	19.17		
15	16QAM	1	37	19.16	19.05	19.20	20.2	0
15	16QAM	1	74	19.10	19.23	19.10		
15	16QAM	36	0	19.11	19.24	19.14		
15	16QAM	36	20	19.10	19.18	19.20	20.2	0
15	16QAM	36	39	19.09	19.24	19.15		
15	16QAM	75	0	19.19	19.20	19.09		
15	64QAM	1	0	19.25	19.18	19.23		
15	64QAM	1	37	19.22	19.24	19.28	20.2	0
15	64QAM	1	74	19.15	19.28	19.02		
15	64QAM	36	0	19.11	19.21	19.08		
15	64QAM	36	20	19.18	19.09	19.13	20.2	0
15	64QAM	36	39	19.15	19.32	19.12		
15	64QAM	75	0	19.20	19.26	19.09		
15	256QAM	1	0	19.31	19.30	19.15		
15	256QAM	1	37	19.22	19.16	19.24	20.2	0
15	256QAM	1	74	19.12	19.20	19.21		
15	256QAM	36	0	19.07	19.29	19.19		
15	256QAM	36	20	19.13	19.04	19.19	20.2	0
15	256QAM	36	39	19.09	19.20	19.09		
15	256QAM	75	0	19.15	19.24	19.06		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	19.25	19.34	19.26		
10	QPSK	1	25	19.25	19.19	19.28	20.2	0
10	QPSK	1	49	19.21	19.25	19.17		
10	QPSK	25	0	19.19	19.25	19.23		
10	QPSK	25	12	19.21	19.15	19.23	20.2	0
10	QPSK	25	25	19.11	19.28	19.13		
10	QPSK	50	0	19.19	19.26	19.15		
10	16QAM	1	0	19.21	19.23	19.21		
10	16QAM	1	25	19.13	19.08	19.13	20.2	0
10	16QAM	1	49	19.13	19.24	19.16		
10	16QAM	25	0	19.13	19.34	19.15		
10	16QAM	25	12	19.08	19.16	19.22	20.2	0
10	16QAM	25	25	19.01	19.18	19.17		
10	16QAM	50	0	19.16	19.25	19.05		
10	64QAM	1	0	19.20	19.26	19.22		
10	64QAM	1	25	19.21	19.16	19.30	20.2	0
10	64QAM	1	49	19.15	19.29	19.08		
10	64QAM	25	0	19.14	19.30	19.15		
10	64QAM	25	12	19.09	19.14	19.03	20.2	0
10	64QAM	25	25	19.12	19.28	19.17		
10	64QAM	50	0	19.19	19.23	19.05		
10	256QAM	1	0	19.31	19.28	19.18		
10	256QAM	1	25	19.21	19.09	19.25	20.2	0
10	256QAM	1	49	19.14	19.14	19.20		
10	256QAM	25	0	19.14	19.31	19.14		
10	256QAM	25	12	19.16	19.10	19.10	20.2	0
10	256QAM	25	25	19.04	19.25	19.06		
10	256QAM	50	0	19.17	19.27	19.08		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	19.22	19.34	19.27		
5	QPSK	1	12	19.22	19.23	19.31	20.2	0
5	QPSK	1	24	19.16	19.23	19.13		
5	QPSK	12	0	19.10	19.31	19.17		
5	QPSK	12	7	19.17	19.16	19.18	20.2	0
5	QPSK	12	13	19.16	19.28	19.12		
5	QPSK	25	0	19.17	19.33	19.21		
5	16QAM	1	0	19.24	19.16	19.24		
5	16QAM	1	12	19.08	19.10	19.16	20.2	0
5	16QAM	1	24	19.14	19.27	19.19		
5	16QAM	12	0	19.19	19.31	19.15		
5	16QAM	12	7	19.06	19.18	19.25	20.2	0
5	16QAM	12	13	19.03	19.16	19.08		
5	16QAM	25	0	19.18	19.18	19.08		
5	64QAM	1	0	19.20	19.18	19.23		
5	64QAM	1	12	19.20	19.18	19.20	20.2	0
5	64QAM	1	24	19.15	19.25	19.05		
5	64QAM	12	0	19.07	19.19	19.08		
5	64QAM	12	7	19.11	19.11	19.12	20.2	0
5	64QAM	12	13	19.11	19.25	19.19		
5	64QAM	25	0	19.21	19.29	19.09		
5	256QAM	1	0	19.25	19.27	19.18		
5	256QAM	1	12	19.16	19.08	19.17	20.2	0
5	256QAM	1	24	19.10	19.12	19.11		
5	256QAM	12	0	19.13	19.34	19.14		
5	256QAM	12	7	19.16	19.15	19.18	20.2	0
5	256QAM	12	13	19.11	19.18	19.07		
5	256QAM	25	0	19.22	19.18	19.02		
Channel				19950	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	19.29	19.36	19.28		
3	QPSK	1	8	19.26	19.25	19.30	20.2	0
3	QPSK	1	14	19.19	19.30	19.20		
3	QPSK	8	0	19.14	19.34	19.23		
3	QPSK	8	4	19.19	19.14	19.17	20.2	0
3	QPSK	8	7	19.13	19.33	19.23		
3	QPSK	15	0	19.22	19.28	19.15		
3	16QAM	1	0	19.30	19.23	19.21		
3	16QAM	1	8	19.15	19.09	19.12	20.2	0
3	16QAM	1	14	19.19	19.20	19.17		
3	16QAM	8	0	19.20	19.31	19.16		
3	16QAM	8	4	19.07	19.16	19.24	20.2	0
3	16QAM	8	7	19.04	19.25	19.15		
3	16QAM	15	0	19.19	19.16	19.06		
3	64QAM	1	0	19.19	19.28	19.21		
3	64QAM	1	8	19.19	19.17	19.20	20.2	0
3	64QAM	1	14	19.12	19.32	19.12		
3	64QAM	8	0	19.08	19.29	19.05		
3	64QAM	8	4	19.15	19.06	19.06	20.2	0
3	64QAM	8	7	19.18	19.20	19.17		
3	64QAM	15	0	19.24	19.29	19.06		
3	256QAM	1	0	19.27	19.25	19.12		
3	256QAM	1	8	19.16	19.17	19.23	20.2	0
3	256QAM	1	14	19.11	19.20	19.14		
3	256QAM	8	0	19.12	19.25	19.14		
3	256QAM	8	4	19.22	19.14	19.19	20.2	0
3	256QAM	8	7	19.09	19.21	19.11		
3	256QAM	15	0	19.14	19.17	19.05		
Channel				19907	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.23	19.33	19.30		
1.4	QPSK	1	3	19.29	19.18	19.28		
1.4	QPSK	1	5	19.16	19.25	19.22	20.2	0
1.4	QPSK	3	0	19.11	19.24	19.21		
1.4	QPSK	3	1	19.17	19.20	19.22		
1.4	QPSK	3	3	19.17	19.24	19.20		
1.4	QPSK	6	0	19.25	19.25	19.10	20.2	0
1.4	16QAM	1	0	19.20	19.26	19.22		
1.4	16QAM	1	3	19.18	19.10	19.12		
1.4	16QAM	1	5	19.15	19.20	19.11	20.2	0
1.4	16QAM	3	0	19.08	19.30	19.13		
1.4	16QAM	3	1	19.12	19.10	19.22		
1.4	16QAM	3	3	19.01	19.24	19.14		
1.4	16QAM	6	0	19.11	19.14	19.02	20.2	0
1.4	64QAM	1	0	19.20	19.17	19.19		
1.4	64QAM	1	3	19.22	19.21	19.23		
1.4	64QAM	1	5	19.12	19.28	19.10	20.2	0
1.4	64QAM	3	0	19.13	19.28	19.04		
1.4	64QAM	3	1	19.12	19.15	19.02		
1.4	64QAM	3	3	19.11	19.29	19.19		
1.4	64QAM	6	0	19.22	19.24	19.01	20.2	0
1.4	256QAM	1	0	19.26	19.28	19.18		
1.4	256QAM	1	3	19.15	19.18	19.19		
1.4	256QAM	1	5	19.15	19.21	19.17	20.2	0
1.4	256QAM	3	0	19.14	19.29	19.23		
1.4	256QAM	3	1	19.16	19.09	19.08		
1.4	256QAM	3	3	19.09	19.19	19.15		
1.4	256QAM	6	0	19.18	19.23	18.98	20.2	0

Band 7 Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.75	17.79	17.73		
20	QPSK	1	49	17.63	17.69	17.64	18.5	0
20	QPSK	1	99	17.73	17.70	17.67		
20	QPSK	50	0	17.62	17.76	17.60		
20	QPSK	50	24	17.61	17.65	17.63	18.5	0
20	QPSK	50	50	17.68	17.71	17.59		
20	QPSK	100	0	17.73	17.75	17.70		
20	16QAM	1	0	17.70	17.68	17.59		
20	16QAM	1	49

Band 25 Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			26140	26340	26590		
	Frequency (MHz)			1860	1880	1905		
20	QPSK	1	0	20.08	20.13	20.06		
20	QPSK	1	49	20.06	20.07	19.98	21	0
20	QPSK	1	99	20.00	20.02	20.00		
20	QPSK	50	0	19.98	20.09	20.01		
20	QPSK	50	24	20.02	20.05	20.01	21	0
20	QPSK	50	50	20.02	20.04	19.94		
20	QPSK	100	0	19.96	20.07	20.00		
20	16QAM	1	0	20.01	20.06	20.03		
20	16QAM	1	49	19.94	19.98	19.93	21	0
20	16QAM	1	99	19.97	19.90	19.91		
20	16QAM	50	0	19.86	20.02	19.93		
20	16QAM	50	24	19.90	19.92	19.94	21	0
20	16QAM	50	50	19.99	19.92	19.84		
20	16QAM	100	0	19.85	19.94	19.93		
20	64QAM	1	0	20.03	20.03	20.01		
20	64QAM	1	49	19.93	19.98	19.95	21	0
20	64QAM	1	99	19.95	19.95	19.92		
20	64QAM	50	0	19.86	20.04	19.94		
20	64QAM	50	24	19.89	20.03	19.97	21	0
20	64QAM	50	50	19.94	19.93	19.86		
20	64QAM	100	0	19.91	20.01	19.88		
20	256QAM	1	0	19.13	19.12	19.00		
20	256QAM	1	49	19.04	19.11	18.96	20	1
20	256QAM	1	99	19.00	18.98	19.06		
20	256QAM	50	0	19.01	19.11	18.97		
20	256QAM	50	24	19.06	19.01	18.97	20	1
20	256QAM	50	50	19.02	19.01	18.96		
20	256QAM	100	0	18.97	19.07	18.96		
	Channel			26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1857.5	1880	1907.5		
15	QPSK	1	0	19.99	20.06	20.00		
15	QPSK	1	37	19.97	19.94	19.90	21	0
15	QPSK	1	74	19.91	19.94	19.93		
15	QPSK	36	0	19.87	20.06	19.93		
15	QPSK	36	20	19.91	20.00	19.88	21	0
15	QPSK	36	39	19.90	19.97	19.88		
15	QPSK	75	0	19.84	19.98	19.94		
15	16QAM	1	0	19.93	19.96	19.94		
15	16QAM	1	37	19.91	19.88	19.84	21	0
15	16QAM	1	74	19.86	19.85	19.81		
15	16QAM	36	0	19.81	19.93	19.90		
15	16QAM	36	20	19.79	19.88	19.81	21	0
15	16QAM	36	39	19.88	19.80	19.75		
15	16QAM	75	0	19.73	19.87	19.84		
15	64QAM	1	0	19.91	19.92	19.90		
15	64QAM	1	37	19.88	19.95	19.89	21	0
15	64QAM	1	74	19.85	19.88	19.90		
15	64QAM	36	0	19.79	19.96	19.87		
15	64QAM	36	20	19.83	19.89	19.91	21	0
15	64QAM	36	39	19.90	19.84	19.78		
15	64QAM	75	0	19.87	19.87	19.79		
15	256QAM	1	0	19.09	19.07	18.91		
15	256QAM	1	37	18.98	19.08	18.85	20	1
15	256QAM	1	74	18.97	18.90	18.98		
15	256QAM	36	0	18.87	18.97	18.83		
15	256QAM	36	20	18.99	18.99	18.84	20	1
15	256QAM	36	39	18.89	18.95	18.83		
15	256QAM	75	0	18.83	19.05	18.86		
	Channel			26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1855	1880	1910		
10	QPSK	1	0	20.01	20.07	19.97		
10	QPSK	1	25	19.96	20.04	19.87	21	0
10	QPSK	1	49	19.95	19.94	19.96		
10	QPSK	25	0	19.89	20.00	19.99		
10	QPSK	25	12	19.97	20.01	19.96	21	0
10	QPSK	25	25	19.90	19.91	19.91		
10	QPSK	50	0	19.83	20.04	19.97		
10	16QAM	1	0	19.98	19.99	19.99		
10	16QAM	1	25	19.88	19.95	19.82	21	0
10	16QAM	1	49	19.86	19.81	19.86		
10	16QAM	25	0	19.76	19.89	19.85		
10	16QAM	25	12	19.82	19.88	19.90	21	0
10	16QAM	25	25	19.90	19.85	19.81		
10	16QAM	50	0	19.79	19.92	19.80		
10	64QAM	1	0	20.00	19.98	19.91		
10	64QAM	1	25	19.79	19.88	19.86	21	0
10	64QAM	1	49	19.83	19.88	19.89		
10	64QAM	25	0	19.73	19.92	19.86		
10	64QAM	25	12	19.76	20.00	19.91	21	0
10	64QAM	25	25	19.82	19.87	19.83		
10	64QAM	50	0	19.78	19.89	19.78		
10	256QAM	1	0	19.10	19.06	18.96		
10	256QAM	1	25	18.91	18.99	18.93	20	1
10	256QAM	1	49	18.87	18.94	19.01		
10	256QAM	25	0	18.87	19.03	18.89		
10	256QAM	25	12	18.97	18.90	18.91	20	1
10	256QAM	25	25	18.93	18.88	18.88		
10	256QAM	50	0	18.85	19.03	18.93		
	Channel			26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1852.5	1880	1912.5		
5	QPSK	1	0	19.95	20.06	19.95		
5	QPSK	1	12	20.01	19.99	19.89	21	0
5	QPSK	1	24	19.95	19.90	19.93		
5	QPSK	12	0	19.92	19.97	19.91		
5	QPSK	12	7	19.91	19.92	19.97	21	0
5	QPSK	12	13	19.99	20.02	19.88		
5	QPSK	25	0	19.86	20.03	19.86		
5	16QAM	1	0	19.90	19.97	19.93		
5	16QAM	1	12	19.91	19.89	19.87	21	0
5	16QAM	1	24	19.89	19.81	19.82		
5	16QAM	12	0	19.80	19.96	19.81		
5	16QAM	12	7	19.77	19.80	19.84	21	0
5	16QAM	12	13	19.97	19.82	19.78		
5	16QAM	25	0	19.81	19.80	19.91		
5	64QAM	1	0	19.95	19.97	19.93		
5	64QAM	1	12	19.89	19.85	19.85	21	0
5	64QAM	1	24	19.83	19.89	19.82		
5	64QAM	12	0	19.74	19.94	19.91		
5	64QAM	12	7	19.84	19.93	19.86	21	0
5	64QAM	12	13	19.85	19.80	19.78		
5	64QAM	25	0	19.78	19.89	19.82		
5	256QAM	1	0	19.01	18.99	18.95		
5	256QAM	1	12	18.99	18.98	18.83	20	1
5	256QAM	1	24	18.87	18.89	19.03		
5	256QAM	12	0	18.90	19.04	18.87		
5	256QAM	12	7	18.95	18.92	18.85	20	1
5	256QAM	12	13	18.97	18.88	18.89		
5	256QAM	25	0	18.89	19.01	18.94		
	Channel			26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1851.5	1880	1913.5		
3	QPSK	1	0	19.99	19.99	19.97		
3	QPSK	1	8	19.95	20.02	19.88	21	0
3	QPSK	1	14	19.86	19.92	19.89		
3	QPSK	8	0	19.89	20.04	19.93		
3	QPSK	8	4	19.89	19.97	19.96	21	0
3	QPSK	8	7	19.96	19.95	19.91		
3	QPSK	15	0	19.91	19.95	19.95		
3	16QAM	1	0	19.98	20.01	20.00		
3	16QAM	1	8	19.82	19.84	19.87	21	0
3	16QAM	1	14	19.91	19.86	19.80		
3	16QAM	8	0	19.74	19.99	19.81		
3	16QAM	8	4	19.77	19.84	19.86	21	0
3	16QAM	8	7	19.89	19.84	19.81		
3	16QAM	15	0	19.80	19.84	19.90		
3	64QAM	1	0	19.99	19.95	19.91		
3	64QAM	1	8	19.88	19.85	19.90	21	0
3	64QAM	1	14	19.91	19.84	19.83		
3	64QAM	8	0	19.73	19.95	19.88		
3	64QAM	8	4	19.81	19.93	19.93	21	0
3	64QAM	8	7	19.91	19.86	19.79		
3	64QAM	15	0	19.78	19.89	19.83		
3	256QAM	1	0	19.05	19.02	18.88		
3	256QAM	1	8	18.98	19.07	18.84	20	1
3	256QAM	1	14	18.97	18.93	19.02		
3	256QAM	8	0	18.90	19.07	18.86		
3	256QAM	8	4	18.95	18.89	18.95	20	1
3	256QAM	8	7	18.91	18.90	18.84		
3	256QAM	15	0	18.87	18.97	18.82		
	Channel			26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1850.7	1880	1914.3		
1.4	QPSK	1	0	20.05	19.99	19.96		
1.4	QPSK	1	3	19.96	20.00	19.93		
1.4	QPSK	1	5	19.93	19.95	19.90	21	0
1.4	QPSK	3	0	19.92	20.05	19.97		
1.4	QPSK	3	1	19.91	19.93	19.96		
1.4	QPSK	3	3	19.93	19.90	19.90		
1.4	QPSK	6	0	19.84	19.94	19.94	21	0
1.4	16QAM	1	0	19.92	19.94	20.00		
1.4	16QAM	1	3	19.86	19.92	19.84		
1.4	16QAM	1	5	19.84	19.81	19.86	21	0
1.4	16QAM	3	0	19.74	19.95	19.83		
1.4	16QAM	3	1	19.81	19.85	19.91		
1.4	16QAM	3	3	19.91	19.82	19.76		
1.4	16QAM	6	0	19.75	19.82	19.90	21	0
1.4	64QAM	1	0	19.98	20.00	19.94		
1.4	64QAM	1	3	19.80	19.93	19.93		
1.4	64QAM	1	5	19.82	19.91	19.80	21	0
1.4	64QAM	3	0	19.79	19.98	19.83		
1.4	64QAM	3	1	19.78	20.01	19.92		
1.4	64QAM	3	3	19.83	19.79	19.77		
1.4	64QAM	6	0	19.79	19.92	19.79	21	0
1.4	256QAM	1	0	19.02	19.09	18.90		
1.4	256QAM	1	3	18.96	19.09	18.85		
1.4	256QAM	1	5	18.94	18.87	18.93	20	1
1.4	256QAM	3	0	18.93	19.01	18.93		
1.4	256QAM	3	1	19.00	18.88	18.88		
1.4	256QAM	3	3	18.93	18.92	18.93		
1.4	256QAM	6	0	18.85	19.00	18.92	20	1

Band 66 Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			132072	132322	132572		
	Frequency (MHz)			1720	1745	1770		
20	QPSK	1	0	20.20	20.24	20.18		
20	QPSK	1	49	20.14	20.19	20.09	20.7	0
20	QPSK	1	99	20.12	20.17	20.13		
20	QPSK	50	0	20.17	20.21	20.08		
20	QPSK	50	24	20.13	20.12	20.06	20.7	0
20	QPSK	50	50	20.16	20.20	20.10		
20	QPSK	100	0	20.12	20.20	20.06		
20	16QAM	1	0	20.13	20.11	20.11		
20	16QAM	1	49	20.09	20.16	19.95	20.7	0
20	16QAM	1	99	20.06	20.08	20.09		
20	16QAM	50	0	20.08	20.11	19.96		
20	16QAM	50	24	20.02	20.04	20.00	20.7	0
20	16QAM	50	50	20.13	20.13	20.05		
20	16QAM	100	0	20.07	20.16	19.96		
20	64QAM	1	0	20.09	20.19	20.12		
20	64QAM	1	49	20.05	20.16	19.99	20.7	0
20	64QAM	1	99	20.02	20.13	20.02		
20	64QAM	50	0	20.09	20.16	19.96		
20	64QAM	50	24	20.04	20.05	19.99	20.7	0
20	64QAM	50	50	20.07	20.07	20.01		
20	64QAM	100	0	20.03	20.09	19.96		
20	256QAM	1	0	20.09	20.18	20.05		
20	256QAM	1	49	20.02	20.17	20.02	20.7	0
20	256QAM	1	99	20.09	20.04	20.00		
20	256QAM	50	0	20.08	20.15	20.01		
20	256QAM	50	24	20.10	20.07	19.95	20.7	0
20	256QAM	50	50	20.13	20.18	20.08		
20	256QAM	100	0	20.02	20.08	19.97		
	Channel			132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1717.5	1745	1772.5		
15	QPSK	1	0	20.11	20.12	20.10		
15	QPSK	1	37	20.11	20.16	20.01	20.7	0
15	QPSK	1	74	20.07	20.11	20.07		
15	QPSK	36	0	20.09	20.17	19.98		
15	QPSK	36	20	20.02	20.00	19.99	20.7	0
15	QPSK	36	39	20.03	20.07	19.99		
15	QPSK	75	0	20.05	20.15	19.95		
15	16QAM	1	0	20.02	20.01	20.01		
15	16QAM	1	37	19.97	20.13	19.89	20.7	0
15	16QAM	1	74	19.96	20.06	20.00		
15	16QAM	36	0	20.05	19.98	19.90		
15	16QAM	36	20	20.00	19.94	19.94	20.7	0
15	16QAM	36	39	20.05	20.06	19.98		
15	16QAM	75	0	19.93	20.04	19.93		
15	64QAM	1	0	19.97	20.12	20.03		
15	64QAM	1	37	19.99	20.06	19.87	20.7	0
15	64QAM	1	74	19.94	20.06	19.94		
15	64QAM	36	0	20.07	20.08	19.84		
15	64QAM	36	20	19.97	20.01	19.85	20.7	0
15	64QAM	36	39	19.94	20.04	19.98		
15	64QAM	75	0	19.92	19.97	19.93		
15	256QAM	1	0	20.01	20.15	20.02		
15	256QAM	1	37	19.92	20.05	19.99	20.7	0
15	256QAM	1	74	19.99	19.91	19.96		
15	256QAM	36	0	20.04	20.10	19.95		
15	256QAM	36	20	20.06	20.01	19.83	20.7	0
15	256QAM	36	39	20.02	20.15	20.00		
15	256QAM	75	0	19.90	20.05	19.90		
	Channel			132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1715	1745	1775		
10	QPSK	1	0	20.15	20.18	20.05		
10	QPSK	1	25	20.09	20.09	20.02	20.7	0
10	QPSK	1	49	20.06	20.07	20.05		
10	QPSK	25	0	20.15	20.16	19.96		
10	QPSK	25	12	20.03	20.00	20.03	20.7	0
10	QPSK	25	25	20.08	20.16	19.97		
10	QPSK	50	0	19.99	20.12	19.93		
10	16QAM	1	0	20.03	20.09	20.06		
10	16QAM	1	25	19.95	20.04	19.85	20.7	0
10	16QAM	1	49	19.96	20.05	19.96		
10	16QAM	25	0	19.98	20.08	19.85		
10	16QAM	25	12	19.98	19.93	19.96	20.7	0
10	16QAM	25	25	20.05	20.04	19.91		
10	16QAM	50	0	19.95	20.03	19.90		
10	64QAM	1	0	19.95	20.16	20.00		
10	64QAM	1	25	19.97	20.09	19.96	20.7	0
10	64QAM	1	49	19.99	20.01	19.96		
10	64QAM	25	0	20.03	20.06	19.90		
10	64QAM	25	12	19.95	19.99	19.89	20.7	0
10	64QAM	25	25	20.05	20.01	19.98		
10	64QAM	50	0	19.95	20.04	19.90		
10	256QAM	1	0	20.04	20.08	20.00		
10	256QAM	1	25	19.97	20.14	19.95	20.7	0
10	256QAM	1	49	19.97	19.95	19.96		
10	256QAM	25	0	19.98	20.02	19.96		
10	256QAM	25	12	20.02	20.00	19.99	20.7	0
10	256QAM	25	25	20.10	20.08	20.02		
10	256QAM	50	0	19.88	20.02	19.91		
	Channel			131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1712.5	1745	1777.5		
5	QPSK	1	0	20.15	20.13	20.11		
5	QPSK	1	12	20.06	20.06	20.00	20.7	0
5	QPSK	1	24	20.06	20.05	20.00		
5	QPSK	12	0	20.10	20.19	20.01		
5	QPSK	12	7	20.04	20.02	20.04	20.7	0
5	QPSK	12	13	20.03	20.07	19.99		
5	QPSK	25	0	20.03	20.16	20.00		
5	16QAM	1	0	20.09	20.02	20.04		
5	16QAM	1	12	20.00	20.13	19.82	20.7	0
5	16QAM	1	24	20.01	20.03	20.05		
5	16QAM	12	0	20.03	20.04	19.89		
5	16QAM	12	7	19.94	19.96	19.96	20.7	0
5	16QAM	12	13	20.07	20.09	19.97		
5	16QAM	25	0	20.02	20.07	19.90		
5	64QAM	1	0	19.99	20.13	20.04		
5	64QAM	1	12	19.96	20.08	19.85	20.7	0
5	64QAM	1	24	20.00	20.04	19.94		
5	64QAM	12	0	20.04	20.04	19.83		
5	64QAM	12	7	19.94	19.94	19.87	20.7	0
5	64QAM	12	13	20.03	20.05	19.95		
5	64QAM	25	0	19.91	20.05	19.91		
5	256QAM	1	0	19.97	20.11	19.99		
5	256QAM	1	12	19.97	20.12	19.89	20.7	0
5	256QAM	1	24	20.00	19.96	19.97		
5	256QAM	12	0	20.02	20.10	19.99		
5	256QAM	12	7	19.99	20.03	19.91	20.7	0
5	256QAM	12	13	20.04	20.05	19.98		
5	256QAM	25	0	19.88	19.99	19.87		
	Channel			131947	132322	132697	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1711.5	1745	1778.5		
3	QPSK	1	0	20.11	20.20	20.06		
3	QPSK	1	8	20.08	20.06	20.00	20.7	0
3	QPSK	1	14	20.01	20.13	20.03		
3	QPSK	8	0	20.03	20.07	20.03		
3	QPSK	8	4	20.02	20.07	19.98	20.7	0
3	QPSK	8	7	20.11	20.09	20.02		
3	QPSK	15	0	19.99	20.09	19.95		
3	16QAM	1	0	20.01	19.98	19.99		
3	16QAM	1	8	19.98	20.08	19.83	20.7	0
3	16QAM	1	14	20.02	19.97	19.99		
3	16QAM	8	0	19.95	20.05	19.82		
3	16QAM	8	4	19.89	19.98	19.90	20.7	0
3	16QAM	8	7	19.99	20.07	19.92		
3	16QAM	15	0	20.01	20.07	19.88		
3	64QAM	1	0	19.98	20.10	20.05		
3	64QAM	1	8	19.93	20.07	19.88	20.7	0
3	64QAM	1	14	19.96	20.06	19.95		
3	64QAM	8	0	19.97	20.04	19.93		
3	64QAM	8	4	20.01	19.97	19.91	20.7	0
3	64QAM	8	7	19.96	20.01	19.94		
3	64QAM	15	0	19.92	20.01	19.94		
3	256QAM	1	0	20.04	20.06	19.95		
3	256QAM	1	8	20.00	20.11	19.93	20.7	0
3	256QAM	1	14	20.04	20.00	19.89		
3	256QAM	8	0	20.02	20.02	19.92		
3	256QAM	8	4	20.00	20.00	19.84	20.7	0
3	256QAM	8	7	20.02	20.08	20.05		
3	256QAM	15	0	19.90	19.97	19.95		
	Channel			131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1710.7	1745	1779.3		
1.4	QPSK	1	0	20.07	20.19	20.11		
1.4	QPSK	1	3	20.02	20.11	19.95		
1.4	QPSK	1	5	20.04	20.06	20.11	20.7	0
1.4	QPSK	3	0	20.07	20.13	19.97		
1.4	QPSK	3	1	20.00	20.00	19.95		
1.4	QPSK	3	3	20.07	20.13	20.06		
1.4	QPSK	6	0	20.01	20.18	20.01	20.7	0
1.4	16QAM	1	0	20.09	20.05	19.98		
1.4	16QAM	1	3	19.97	20.12	19.90		
1.4	16QAM	1	5	20.02	20.05	20.07	20.7	0
1.4	16QAM	3	0	20.01	20.02	19.87		
1.4	16QAM	3	1	19.92	19.91	19.96		
1.4	16QAM	3	3	20.11	20.02	19.91		
1.4	16QAM	6	0	20.02	20.13	19.87	20.7	0
1.4	64QAM	1	0	20.02	20.13	20.04		
1.4	64QAM	1	3	20.01	20.09	19.94		
1.4	64QAM	1	5	19.89	20.01	19.92	20.7	0
1.4	64QAM	3	0	20.07	20.05	19.93		
1.4	64QAM	3	1	19.98	19.98	19.91		
1.4	64QAM	3	3	20.03	19.94	19.91		
1.4	64QAM	6	0	20.00	20.01	19.93	20.7	0
1.4	256QAM	1	0	20.03	20.11	19.94		
1.4	256QAM	1	3	19.92	20.15	19.95		
1.4	256QAM	1	5	20.03	20.00	19.87	20.7	0
1.4	256QAM	3	0	20.02	20.11	19.89		
1.4	256QAM	3	1	20.00	20.00	19.90		
1.4	256QAM	3	3	20.05	20.13	19.96		
1.4	256QAM	6	0	19.99	19.94	19.91	20.7	0

Band 38 Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.95	20.01	19.96	20.2	0
20	QPSK	1	49	19.88	19.95	19.92		
20	QPSK	1	99	19.91	19.88	19.85		
20	QPSK	50	0	19.88	19.98	19.88	20.2	0
20	QPSK	50	24	19.85	19.83	19.79		
20	QPSK	50	50	19.81	19.82	19.82		
20	QPSK	100	0	19.85	19.95	19.94		
20	16QAM	1	0	19.92	19.87	19.87	20.2	0
20	16QAM	1	49	19.83	19.87	19.90		
20	16QAM	1	99	19.85	19.84	19.80		
20	16QAM	50	0	19.84	19.88	19.79	20.2	0
20	16QAM	50	24	19.83	19.69	19.65		
20	16QAM	50	50	19.71	19.69	19.70		
20	16QAM	100	0	19.73	19.85	19.82		
20	64QAM	1	0	19.84	19.94	19.93	20.2	0
20	64QAM	1	49	19.85	19.88	19.89		
20	64QAM	1	99	19.89	19.79	19.75		
20	64QAM	50	0	19.77	19.92	19.77	20.2	0
20	64QAM	50	24	19.82	19.76	19.67		
20	64QAM	50	50	19.76	19.73	19.75		
20	64QAM	100	0	19.73	19.85	19.82		
20	256QAM	1	0	19.81	19.91	19.89	20.2	0
20	256QAM	1	49	19.81	19.88	19.82		
20	256QAM	1	99	19.87	19.78	19.78		
20	256QAM	50	0	19.80	19.96	19.86	20.2	0
20	256QAM	50	24	19.73	19.71	19.65		
20	256QAM	50	50	19.78	19.74	19.68		
20	256QAM	100	0	19.80	19.87	19.90		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.86	19.93	19.85	20.2	0
15	QPSK	1	37	19.83	19.89	19.84		
15	QPSK	1	74	19.85	19.85	19.73		
15	QPSK	36	0	19.82	19.85	19.77	20.2	0
15	QPSK	36	20	19.81	19.78	19.68		
15	QPSK	36	39	19.70	19.76	19.69		
15	QPSK	75	0	19.73	19.81	19.91		
15	16QAM	1	0	19.80	19.76	19.82	20.2	0
15	16QAM	1	37	19.79	19.75	19.83		
15	16QAM	1	74	19.72	19.81	19.76		
15	16QAM	36	0	19.71	19.75	19.75	20.2	0
15	16QAM	36	20	19.80	19.67	19.60		
15	16QAM	36	39	19.66	19.59	19.66		
15	16QAM	75	0	19.69	19.81	19.77		
15	64QAM	1	0	19.80	19.92	19.85	20.2	0
15	64QAM	1	37	19.79	19.85	19.75		
15	64QAM	1	74	19.77	19.74	19.64		
15	64QAM	36	0	19.69	19.86	19.74	20.2	0
15	64QAM	36	20	19.78	19.65	19.61		
15	64QAM	36	39	19.70	19.65	19.68		
15	64QAM	75	0	19.67	19.78	19.73		
15	256QAM	1	0	19.79	19.81	19.84	20.2	0
15	256QAM	1	37	19.79	19.82	19.72		
15	256QAM	1	74	19.75	19.75	19.74		
15	256QAM	36	0	19.68	19.92	19.81	20.2	0
15	256QAM	36	20	19.65	19.61	19.52		
15	256QAM	36	39	19.66	19.60	19.65		
15	256QAM	75	0	19.76	19.75	19.87		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.90	19.90	19.86	20.2	0
10	QPSK	1	25	19.84	19.86	19.88		
10	QPSK	1	49	19.83	19.75	19.82		
10	QPSK	25	0	19.84	19.87	19.84	20.2	0
10	QPSK	25	12	19.74	19.77	19.66		
10	QPSK	25	25	19.67	19.69	19.73		
10	QPSK	50	0	19.73	19.89	19.86		
10	16QAM	1	0	19.88	19.83	19.84	20.2	0
10	16QAM	1	25	19.72	19.73	19.78		
10	16QAM	1	49	19.75	19.71	19.70		
10	16QAM	25	0	19.79	19.77	19.76	20.2	0
10	16QAM	25	12	19.80	19.58	19.60		
10	16QAM	25	25	19.58	19.61	19.60		
10	16QAM	50	0	19.65	19.84	19.73		
10	64QAM	1	0	19.79	19.85	19.90	20.2	0
10	64QAM	1	25	19.80	19.75	19.81		
10	64QAM	1	49	19.82	19.73	19.70		
10	64QAM	25	0	19.71	19.78	19.70	20.2	0
10	64QAM	25	12	19.73	19.72	19.59		
10	64QAM	25	25	19.70	19.65	19.62		
10	64QAM	50	0	19.65	19.82	19.69		
10	256QAM	1	0	19.75	19.86	19.85	20.2	0
10	256QAM	1	25	19.72	19.86	19.68		
10	256QAM	1	49	19.75	19.71	19.65		
10	256QAM	25	0	19.75	19.90	19.82	20.2	0
10	256QAM	25	12	19.71	19.63	19.56		
10	256QAM	25	25	19.65	19.69	19.58		
10	256QAM	50	0	19.73	19.78	19.78		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.91	19.95	19.84	20.2	0
5	QPSK	1	12	19.81	19.84	19.80		
5	QPSK	1	24	19.85	19.75	19.80		
5	QPSK	12	0	19.80	19.92	19.74	20.2	0
5	QPSK	12	7	19.75	19.76	19.73		
5	QPSK	12	13	19.68	19.73	19.75		
5	QPSK	25	0	19.78	19.86	19.80		
5	16QAM	1	0	19.86	19.75	19.75	20.2	0
5	16QAM	1	12	19.89	19.75	19.86		
5	16QAM	1	24	19.74	19.76	19.75		
5	16QAM	12	0	19.76	19.81	19.72	20.2	0
5	16QAM	12	7	19.79	19.63	19.57		
5	16QAM	12	13	19.60	19.61	19.65		
5	16QAM	25	0	19.63	19.80	19.70		
5	64QAM	1	0	19.73	19.81	19.88	20.2	0
5	64QAM	1	12	19.76	19.80	19.77		
5	64QAM	1	24	19.76	19.72	19.69		
5	64QAM	12	0	19.74	19.88	19.67	20.2	0
5	64QAM	12	7	19.70	19.69	19.61		
5	64QAM	12	13	19.63	19.63	19.64		
5	64QAM	25	0	19.64	19.77	19.71		
5	256QAM	1	0	19.75	19.88	19.83	20.2	0
5	256QAM	1	12	19.78	19.76	19.71		
5	256QAM	1	24	19.85	19.75	19.70		
5	256QAM	12	0	19.68	19.83	19.79	20.2	0
5	256QAM	12	7	19.63	19.65	19.60		
5	256QAM	12	13	19.71	19.68	19.59		
5	256QAM	25	0	19.76	19.82	19.85		

Band 41 Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	18.10	18.12	18.15	18.09	18.08	18.7	0
20	QPSK	1	49	17.98	18.10	18.12	18.04	18.05		
20	QPSK	1	99	18.05	18.00	18.11	18.01	17.99		
20	QPSK	50	0	18.08	18.08	18.12	18.01	18.00	18.7	0
20	QPSK	50	24	18.04	17.99	18.09	17.97	18.03		
20	QPSK	50	50	18.01	18.01	18.10	18.02	17.95		
20	QPSK	100	0	18.05	18.07	18.10	18.06	17.99		
20	16QAM	1	0	17.97	17.99	18.08	17.96	17.97	18.7	0
20	16QAM	1	49	17.85	17.99	18.09	17.99	17.92		
20	16QAM	1	99	17.95	17.95	17.98	17.91	17.90		
20	16QAM	50	0	18.05	17.99	18.09	17.96	17.97	18.7	0
20	16QAM	50	24	17.99	17.93	17.98	17.93	18.01		
20	16QAM	50	50	17.87	17.91	18.04	17.99	17.86		
20	16QAM	100	0	17.95	18.01	18.07	17.95	17.95		
20	64QAM	1	0	18.01	18.00	18.01	17.98	18.02	18.7	0
20	64QAM	1	49	17.85	18.00	18.04	17.98	17.97		
20	64QAM	1	99	17.98	17.97	18.06	17.89	17.91		
20	64QAM	50	0	18.00	17.95	18.00	17.93	17.87	18.7	0
20	64QAM	50	24	17.99	17.94	18.04	17.91	17.89		
20	64QAM	50	50	17.98	17.91	18.05	17.90	17.88		
20	64QAM	100	0	18.02	17.94	18.03	18.01	17.90		
20	256QAM	1	0	17.96	18.09	18.08	17.99	17.94	18.7	0
20	256QAM	1	49	17.92	18.02	18.10	17.93	17.91		
20	256QAM	1	99	18.01	17.94	18.00	17.88	17.93		
20	256QAM	50	0	18.02	18.00	18.09	17.96	17.92	18.7	0
20	256QAM	50	24	17.95	17.92	18.02	17.86	17.97		
20	256QAM	50	50	17.97	17.91	17.98	17.91	17.85		
20	256QAM	100	0	18.02	17.98	18.03	17.99	17.86		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	17.99	18.02	18.09	17.96	17.99	19	0
15	QPSK	1	37	17.86	18.01	18.02	17.90	17.92		
15	QPSK	1	74	17.94	17.89	18.04	17.92	17.96		
15	QPSK	36	0	17.98	17.98	18.10	17.88	17.97	18.7	0
15	QPSK	36	20	17.98	17.94	18.02	17.85	17.98		
15	QPSK	36	39	17.90	17.98	17.96	17.94	17.82		
15	QPSK	75	0	17.95	18.01	17.98	18.03	17.91		
15	16QAM	1	0	17.85	17.89	17.99	17.92	17.89	18.7	0
15	16QAM	1	37	17.82	17.90	18.06	17.89	17.85		
15	16QAM	1	74	17.87	17.93	17.85	17.79	17.77		
15	16QAM	36	0	17.95	17.96	17.99	17.93	17.87	18.7	0
15	16QAM	36	20	17.88	17.88	17.90	17.88	17.94		
15	16QAM	36	39	17.75	17.77	17.95	17.96	17.77		
15	16QAM	75	0	17.93	17.96	17.95	17.89	17.91		
15	64QAM	1	0	17.93	17.94	17.89	17.91	17.99	18.7	0
15	64QAM	1	37	17.73	17.88	17.90	17.91	17.89		
15	64QAM	1	74	17.89	17.95	18.00	17.86	17.86		
15	64QAM	36	0	17.87	17.86	17.91	17.80	17.79	18.7	0
15	64QAM	36	20	17.94	17.92	17.99	17.88	17.75		
15	64QAM	36	39	17.85	17.86	17.99	17.85	17.86		
15	64QAM	75	0	17.97	17.87	17.90	17.97	17.80		
15	256QAM	1	0	17.87	18.05	18.02	17.87	17.92	18.7	0
15	256QAM	1	37	17.83	17.96	18.03	17.88	17.80		
15	256QAM	1	74	17.97	17.85	17.97	17.75	17.90		
15	256QAM	36	0	17.97	17.90	17.98	17.86	17.85	18.7	0
15	256QAM	36	20	17.92	17.79	17.90	17.80	17.85		
15	256QAM	36	39	17.85	17.84	17.88	17.81	17.72		
15	256QAM	75	0	17.93	17.88	17.96	17.88	17.73		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.07	18.05	18.08	17.96	17.98	19	0
10	QPSK	1	25	17.86	18.00	18.00	17.98	18.02		
10	QPSK	1	49	17.95	17.91	17.99	17.96	17.92		
10	QPSK	25	0	18.05	17.98	18.05	17.97	17.90	18.7	0
10	QPSK	25	12	18.00	17.93	18.05	17.83	18.01		
10	QPSK	25	25	17.92	17.95	17.99	17.97	17.83		
10	QPSK	50	0	17.93	17.95	17.99	18.03	17.90		
10	16QAM	1	0	17.93	17.97	18.04	17.90	17.88	18.7	0
10	16QAM	1	25	17.82	17.88	18.05	17.95	17.80		
10	16QAM	1	49	17.90	17.82	17.94	17.88	17.79		
10	16QAM	25	0	18.02	17.89	18.02	17.82	17.92	18.7	0
10	16QAM	25	12	17.94	17.81	17.92	17.84	17.97		
10	16QAM	25	25	17.80	17.81	17.91	17.88	17.82		
10	16QAM	50	0	17.86	17.98	17.95	17.89	17.87		
10	64QAM	1	0	17.90	17.89	17.97	17.95	17.89	18.7	0
10	64QAM	1	25	17.73	17.97	18.01	17.90	17.84		
10	64QAM	1	49	17.92	17.89	17.97	17.75	17.81		
10	64QAM	25	0	17.91	17.87	17.90	17.82	17.77	18.7	0
10	64QAM	25	12	17.87	17.83	17.92	17.83	17.83		
10	64QAM	25	25	17.91	17.79	17.99	17.84	17.79		
10	64QAM	50	0	17.94	17.82	17.95	17.98	17.82		
10	256QAM	1	0	17.87	17.97	18.05	17.96	17.88	18.7	0
10	256QAM	1	25	17.82	17.96	18.02	17.81	17.82		
10	256QAM	1	49	17.93	17.88	17.90	17.85	17.88		
10	256QAM	25	0	17.89	17.97	17.98	17.88	17.86	18.7	0
10	256QAM	25	12	17.92	17.80	17.99	17.73	17.91		
10	256QAM	25	25	17.84	17.81	17.92	17.81	17.80		
10	256QAM	50	0	17.93	17.88	17.99	17.87	17.76		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	17.97	18.09	18.07	17.98	17.95	19	0
5	QPSK	1	12	17.91	17.97	18.05	18.02	17.95		
5	QPSK	1	24	17.93	17.90	18.03	17.88	17.95		
5	QPSK	12	0	18.04	17.98	18.04	17.98	17.92	18.7	0
5	QPSK	12	7	17.92	17.94	18.01	17.92	18.01		
5	QPSK	12	13	17.90	17.90	17.99	17.97	17.93		
5	QPSK	25	0	18.01	18.03	18.03	18.03	17.88		
5	16QAM	1	0	17.94	17.86	17.97	17.87	17.91	18.7	0
5	16QAM	1	12	17.75	17.85	18.06	17.90	17.81		
5	16QAM	1	24	17.84	17.91	17.91	17.81	17.79		
5	16QAM	12	0	17.94	17.94	18.02	17.85	17.85	18.7	0
5	16QAM	12	7	17.87	17.86	17.84	17.87	17.94		
5	16QAM	12	13	17.74	17.86	18.00	17.96	17.83		
5	16QAM	25	0	17.82	17.87	17.98	17.91	17.88	18.7	0
5	64QAM	1	0	17.99	18.04	17.96	17.95	17.95		
5	64QAM	1	12	17.81	17.91	18.00	17.85	17.93		
5	64QAM	1	24	17.93	17.91	17.97	17.84	17.84	18.7	0
5	64QAM	12	0	17.97	17.84	17.90	17.83	17.80		
5	64QAM	12	7	17.94	17.82	17.97	17.78	17.79		
5	64QAM	12	13	17.86	17.81	17.94	17.77	17.84		
5	64QAM	25	0	18.00	17.89	17.91	17.82	17.83	18.7	0
5	256QAM	1	0	17.86	18.01	17.96	17.92	17.84		
5	256QAM	1	12	17.86	17.89	17.97	17.90	17.82		
5	256QAM	1	24	17.96	17.90	17.90	17.81	17.83	18.7	0
5	256QAM	12	0	17.89	17.88	18.06	17.91	17.83		
5	256QAM	12	7	17.92	17.85	17.96	17.80	17.88		
5	256QAM	12	13	17.90	17.82	17.87	17.89	17.77		
5	256QAM	25	0	17.99	17.86	18.01	17.89	17.81		

Band 42 Ant5 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	17.68	17.75	17.71	18.5	0
20	QPSK	1	49	17.56	17.65	17.61		
20	QPSK	1	99	17.61	17.64	17.68		
20	QPSK	50	0	17.56	17.73	17.66	18.5	0
20	QPSK	50	24	17.58	17.62	17.61		
20	QPSK	50	50	17.61	17.62	17.68		
20	QPSK	100	0	17.63	17.72	17.57		
20	16QAM	1	0	17.55	17.69	17.62	18.5	0
20	16QAM	1	49	17.44	17.57	17.50		
20	16QAM	1	99	17.53	17.60	17.60		
20	16QAM	50	0	17.53	17.69	17.52	18.5	0
20	16QAM	50	24	17.54	17.59	17.54		
20	16QAM	50	50	17.56	17.54	17.65		
20	16QAM	100	0	17.56	17.62	17.53		
20	64QAM	1	0	17.65	17.64	17.64	18.5	0
20	64QAM	1	49	17.49	17.53	17.50		
20	64QAM	1	99	17.47	17.53	17.64		
20	64QAM	50	0	17.43	17.67	17.64	18.5	0
20	64QAM	50	24	17.44	17.54	17.52		
20	64QAM	50	50	17.56	17.55	17.57		
20	64QAM	100	0	17.56	17.64	17.52		
20	256QAM	1	0	17.63	17.68	17.68	18.5	0
20	256QAM	1	49	17.47	17.59	17.51		
20	256QAM	1	99	17.52	17.56	17.64		
20	256QAM	50	0	17.53	17.68	17.53	18.5	0
20	256QAM	50	24	17.51	17.52	17.48		
20	256QAM	50	50	17.49	17.58	17.64		
20	256QAM	100	0	17.56	17.69	17.54		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	17.63	17.67	17.66	18.5	0
15	QPSK	1	37	17.51	17.62	17.55		
15	QPSK	1	74	17.59	17.57	17.55		
15	QPSK	36	0	17.48	17.61	17.60	18.5	0
15	QPSK	36	20	17.49	17.53	17.54		
15	QPSK	36	39	17.49	17.51	17.55		
15	QPSK	75	0	17.50	17.64	17.54		
15	16QAM	1	0	17.48	17.60	17.51	18.5	0
15	16QAM	1	37	17.41	17.46	17.42		
15	16QAM	1	74	17.41	17.58	17.47		
15	16QAM	36	0	17.46	17.65	17.49	18.5	0
15	16QAM	36	20	17.48	17.51	17.42		
15	16QAM	36	39	17.47	17.46	17.60		
15	16QAM	75	0	17.43	17.59	17.44		
15	64QAM	1	0	17.60	17.52	17.60	18.5	0
15	64QAM	1	37	17.36	17.46	17.37		
15	64QAM	1	74	17.38	17.50	17.55		
15	64QAM	36	0	17.38	17.61	17.57	18.5	0
15	64QAM	36	20	17.30	17.49	17.42		
15	64QAM	36	39	17.50	17.45	17.48		
15	64QAM	75	0	17.45	17.60	17.47		
15	256QAM	1	0	17.58	17.56	17.56	18.5	0
15	256QAM	1	37	17.36	17.56	17.39		
15	256QAM	1	74	17.42	17.47	17.55		
15	256QAM	36	0	17.42	17.56	17.45	18.5	0
15	256QAM	36	20	17.41	17.44	17.37		
15	256QAM	36	39	17.36	17.53	17.51		
15	256QAM	75	0	17.44	17.58	17.52		
Channel				42140	42540	42940	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	17.63	17.65	17.61	18.5	0
10	QPSK	1	25	17.53	17.52	17.49		
10	QPSK	1	49	17.54	17.52	17.64		
10	QPSK	25	0	17.45	17.71	17.53	18.5	0
10	QPSK	25	12	17.45	17.49	17.54		
10	QPSK	25	25	17.51	17.52	17.61		
10	QPSK	50	0	17.53	17.69	17.49		
10	16QAM	1	0	17.51	17.59	17.51	18.5	0
10	16QAM	1	25	17.31	17.45	17.47		
10	16QAM	1	49	17.41	17.48	17.58		
10	16QAM	25	0	17.47	17.56	17.46	18.5	0
10	16QAM	25	12	17.51	17.52	17.45		
10	16QAM	25	25	17.44	17.41	17.58		
10	16QAM	50	0	17.50	17.57	17.41		
10	64QAM	1	0	17.57	17.59	17.57	18.5	0
10	64QAM	1	25	17.45	17.48	17.36		
10	64QAM	1	49	17.36	17.44	17.57		
10	64QAM	25	0	17.34	17.56	17.51	18.5	0
10	64QAM	25	12	17.36	17.51	17.46		
10	64QAM	25	25	17.48	17.48	17.47		
10	64QAM	50	0	17.43	17.60	17.44		
10	256QAM	1	0	17.51	17.57	17.61	18.5	0
10	256QAM	1	25	17.38	17.51	17.38		
10	256QAM	1	49	17.41	17.49	17.58		
10	256QAM	25	0	17.39	17.62	17.48	18.5	0
10	256QAM	25	12	17.43	17.45	17.37		
10	256QAM	25	25	17.37	17.46	17.54		
10	256QAM	50	0	17.52	17.64	17.40		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	17.55	17.69	17.68	18.5	0
5	QPSK	1	12	17.52	17.57	17.57		
5	QPSK	1	24	17.55	17.57	17.61		
5	QPSK	12	0	17.46	17.71	17.59	18.5	0
5	QPSK	12	7	17.50	17.51	17.57		
5	QPSK	12	13	17.52	17.57	17.55		
5	QPSK	25	0	17.55	17.67	17.45	

GSM1900 Ant4 DSI1

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.08	26.92	27.01	28.50	18.08	17.92	18.01	19.50
GPRS 1 Tx slot	27.11	27.00	27.08	28.50	18.11	18.00	18.08	19.50
GPRS 2 Tx slots	23.89	24.10	23.75	25.50	17.89	18.10	17.75	19.50
GPRS 3 Tx slots	22.10	22.17	21.87	23.70	17.84	17.91	17.61	19.44
GPRS 4 Tx slots	20.63	20.74	20.58	22.50	17.63	17.74	17.58	19.50
EDGE 1 Tx slot	23.25	23.23	23.27	25.20	14.25	14.23	14.27	16.20
EDGE 2 Tx slots	20.57	20.52	20.35	22.20	14.57	14.52	14.35	16.20
EDGE 3 Tx slots	18.78	18.97	18.74	20.40	14.52	14.71	14.48	16.14
EDGE 4 Tx slots	17.25	17.31	17.22	19.20	14.25	14.31	14.22	16.20

WCDMA II Ant4 DSI1 WCDMA IV Ant4 DSI1

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	16.50	16.75	16.74	18.20	16.15	16.22	16.14	17.90
3GPP Rel 99	RMC 12.2Kbps	16.69	16.78	16.72	18.20	16.17	16.25	16.20	17.90
3GPP Rel 6	HSDPA Subtest-1	15.64	15.91	15.84	17.20	15.06	15.24	15.32	16.90
3GPP Rel 6	HSDPA Subtest-2	15.71	15.95	15.82	17.20	15.01	15.25	15.32	16.90
3GPP Rel 6	HSDPA Subtest-3	15.17	15.45	15.35	16.70	14.57	14.76	14.75	16.40
3GPP Rel 6	HSDPA Subtest-4	15.19	15.43	15.34	16.70	14.61	14.86	14.72	16.40
3GPP Rel 8	DC-HSDPA Subtest-1	15.71	15.91	15.81	17.20	15.04	15.29	15.28	16.90
3GPP Rel 8	DC-HSDPA Subtest-2	15.63	15.88	15.85	17.20	14.97	15.25	15.28	16.90
3GPP Rel 8	DC-HSDPA Subtest-3	15.22	15.34	15.39	16.70	14.60	14.86	14.74	16.40
3GPP Rel 8	DC-HSDPA Subtest-4	15.13	15.34	15.38	16.70	14.52	14.73	14.77	16.40
3GPP Rel 6	HSUPA Subtest-1	15.69	15.90	15.93	17.20	15.11	15.25	15.29	16.90
3GPP Rel 6	HSUPA Subtest-2	13.73	13.93	13.89	15.20	13.09	13.32	13.17	14.90
3GPP Rel 6	HSUPA Subtest-3	14.72	14.84	14.90	16.20	14.04	14.37	14.32	15.90
3GPP Rel 6	HSUPA Subtest-4	13.68	13.94	13.86	15.20	13.07	13.36	13.24	14.90
3GPP Rel 6	HSUPA Subtest-5	15.63	15.86	15.84	17.20	15.03	15.33	15.22	16.90
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.23	13.38	13.37	14.70	12.57	12.78	12.75	14.40

Band 2 Ant4 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	16.73	16.77	16.71		
20	QPSK	1	49	16.69	16.66	16.59	18.2	0
20	QPSK	1	99	16.68	16.67	16.61		
20	QPSK	50	0	16.66	16.73	16.67		
20	QPSK	50	24	16.69	16.65	16.60	18.2	0
20	QPSK	50	50	16.61	16.65	16.60		
20	QPSK	100	0	16.62	16.72	16.61		
20	16QAM	1	0	16.68	16.65	16.63		
20	16QAM	1	49	16.58	16.57	16.55	18.2	0
20	16QAM	1	99	16.64	16.59	16.50		
20	16QAM	50	0	16.61	16.66	16.63		
20	16QAM	50	24	16.60	16.55	16.56	18.2	0
20	16QAM	50	50	16.53	16.59	16.55		
20	16QAM	100	0	16.51	16.61	16.47		
20	64QAM	1	0	16.61	16.71	16.62		
20	64QAM	1	49	16.57	16.59	16.48	18.2	0
20	64QAM	1	99	16.58	16.62	16.55		
20	64QAM	50	0	16.58	16.64	16.58		
20	64QAM	50	24	16.61	16.58	16.52	18.2	0
20	64QAM	50	50	16.53	16.62	16.48		
20	64QAM	100	0	16.59	16.62	16.56		
20	256QAM	1	0	16.21	16.23	16.20		
20	256QAM	1	49	16.20	16.17	16.05	17.7	0.5
20	256QAM	1	99	16.24	16.20	16.05		
20	256QAM	50	0	16.15	16.29	16.16		
20	256QAM	50	24	16.14	16.10	16.08	17.7	0.5
20	256QAM	50	50	16.12	16.20	16.05		
20	256QAM	100	0	16.12	16.19	16.13		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	16.69	16.70	16.60		
15	QPSK	1	37	16.65	16.57	16.53	18.2	0
15	QPSK	1	74	16.57	16.63	16.52		
15	QPSK	36	0	16.62	16.64	16.60		
15	QPSK	36	20	16.62	16.61	16.57	18.2	0
15	QPSK	36	39	16.54	16.59	16.53		
15	QPSK	75	0	16.53	16.69	16.51		
15	16QAM	1	0	16.60	16.61	16.61		
15	16QAM	1	37	16.50	16.46	16.42	18.2	0
15	16QAM	1	74	16.59	16.46	16.45		
15	16QAM	36	0	16.56	16.62	16.60		
15	16QAM	36	20	16.49	16.41	16.42	18.2	0
15	16QAM	36	39	16.45	16.55	16.48		
15	16QAM	75	0	16.47	16.59	16.33		
15	64QAM	1	0	16.53	16.58	16.50		
15	64QAM	1	37	16.44	16.56	16.44	18.2	0
15	64QAM	1	74	16.54	16.53	16.46		
15	64QAM	36	0	16.54	16.55	16.54		
15	64QAM	36	20	16.54	16.48	16.39	18.2	0
15	64QAM	36	39	16.48	16.52	16.43		
15	64QAM	75	0	16.46	16.57	16.44		
15	256QAM	1	0	16.07	16.19	16.06		
15	256QAM	1	37	16.13	16.03	15.93	17.7	0.5
15	256QAM	1	74	16.21	16.07	16.02		
15	256QAM	36	0	16.10	16.19	16.09		
15	256QAM	36	20	16.01	16.00	15.95	17.7	0.5
15	256QAM	36	39	16.05	16.13	15.95		
15	256QAM	75	0	16.05	16.15	16.03		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	16.64	16.70	16.61		
10	QPSK	1	25	16.59	16.56	16.54	18.2	0
10	QPSK	1	49	16.65	16.55	16.57		
10	QPSK	25	0	16.58	16.59	16.54		
10	QPSK	25	12	16.67	16.57	16.46	18.2	0
10	QPSK	25	25	16.49	16.60	16.50		
10	QPSK	50	0	16.60	16.64	16.54		
10	16QAM	1	0	16.64	16.53	16.57		
10	16QAM	1	25	16.55	16.44	16.52	18.2	0
10	16QAM	1	49	16.50	16.53	16.38		
10	16QAM	25	0	16.55	16.63	16.54		
10	16QAM	25	12	16.48	16.43	16.50	18.2	0
10	16QAM	25	25	16.50	16.52	16.47		
10	16QAM	50	0	16.46	16.61	16.37		
10	64QAM	1	0	16.48	16.62	16.51		
10	64QAM	1	25	16.52	16.49	16.38	18.2	0
10	64QAM	1	49	16.49	16.55	16.42		
10	64QAM	25	0	16.48	16.59	16.48		
10	64QAM	25	12	16.57	16.48	16.44	18.2	0
10	64QAM	25	25	16.41	16.50	16.41		
10	64QAM	50	0	16.46	16.56	16.50		
10	256QAM	1	0	16.08	16.12	16.06		
10	256QAM	1	25	16.12	16.13	16.00	17.7	0.5
10	256QAM	1	49	16.13	16.09	15.94		
10	256QAM	25	0	16.08	16.21	16.02		
10	256QAM	25	12	16.08	16.05	16.03	17.7	0.5
10	256QAM	25	25	15.99	16.09	15.98		
10	256QAM	50	0	15.99	16.09	16.04		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	16.63	16.65	16.68		
5	QPSK	1	12	16.55	16.63	16.49	18.2	0
5	QPSK	1	24	16.57	16.64	16.54		
5	QPSK	12	0	16.54	16.70	16.58		
5	QPSK	12	7	16.61	16.53	16.49	18.2	0
5	QPSK	12	13	16.58	16.59	16.51		
5	QPSK	25	0	16.58	16.63	16.56		
5	16QAM	1	0	16.58	16.58	16.52		
5	16QAM	1	12	16.47	16.53	16.49	18.2	0
5	16QAM	1	24	16.57	16.56	16.39		
5	16QAM	12	0	16.49	16.63	16.55		
5	16QAM	12	7	16.53	16.51	16.42	18.2	0
5	16QAM	12	13	16.50	16.53	16.47		
5	16QAM	25	0	16.46	16.58	16.39		
5	64QAM	1	0	16.54	16.66	16.51		
5	64QAM	1	12	16.43	16.54	16.42	18.2	0
5	64QAM	1	24	16.53	16.59	16.47		
5	64QAM	12	0	16.56	16.53	16.49		
5	64QAM	12	7	16.57	16.47	16.44	18.2	0
5	64QAM	12	13	16.47	16.58	16.43		
5	64QAM	25	0	16.56	16.49	16.52		
5	256QAM	1	0	16.17	16.19	16.16		
5	256QAM	1	12	16.08	16.04	16.02	17.7	0.5
5	256QAM	1	24	16.19	16.09	16.00		
5	256QAM	12	0	16.03	16.22	16.04		
5	256QAM	12	7	16.08	15.98	15.98	17.7	0.5
5	256QAM	12	13	16.07	16.08	15.94		
5	256QAM	25	0	16.00	16.16	16.03		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	16.60	16.68	16.57		
3	QPSK	1	8	16.62	16.57	16.57	18.2	0
3	QPSK	1	14	16.58	16.61	16.54		
3	QPSK	8	0	16.54	16.67	16.61		
3	QPSK	8	4	16.63	16.52	16.55	18.2	0
3	QPSK	8	7	16.54	16.55	16.52		
3	QPSK	15	0	16.56	16.62	16.48		
3	16QAM	1	0	16.66	16.61	16.59		
3	16QAM	1	8	16.48	16.44	16.47	18.2	0
3	16QAM	1	14	16.57	16.57	16.42		
3	16QAM	8	0	16.52	16.57	16.57		
3	16QAM	8	4	16.47	16.52	16.43	18.2	0
3	16QAM	8	7	16.51	16.49	16.51		
3	16QAM	15	0	16.45	16.61	16.36		
3	64QAM	1	0	16.55	16.69	16.59		
3	64QAM	1	8	16.44	16.45	16.34	18.2	0
3	64QAM	1	14	16.56	16.55	16.46		
3	64QAM	8	0	16.45	16.51	16.46		
3	64QAM	8	4	16.48	16.49	16.41	18.2	0
3	64QAM	8	7	16.46	16.57	16.37		
3	64QAM	15	0	16.47	16.49	16.45		
3	256QAM	1	0	16.18	16.20	16.16		
3	256QAM	1	8	16.17	16.08	15.96	17.7	0.5
3	256QAM	1	14	16.17	16.10	15.91		
3	256QAM	8	0	16.07	16.18	16.02		
3	256QAM	8	4	16.09	15.99	16.04	17.7	0.5
3	256QAM	8	7	16.10	16.14	15.99		
3	256QAM	15	0	16.02	16.10	16.08		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	16.68	16.71	16.65		
1.4	QPSK	1	3	16.64	16.58	16.51		
1.4	QPSK	1	5	16.64	16.58	16.48	18.2	0
1.4	QPSK	3	0	16.55	16.65	16.60		
1.4	QPSK	3	1	16.57	16.62	16.57		
1.4	QPSK	3	3	16.48	16.61	16.55		
1.4	QPSK	6	0	16.51	16.60	16.53	18.2	0
1.4	16QAM	1	0	16.63	16.51	16.57		
1.4	16QAM	1	3	16.47	16.55	16.51		
1.4	16QAM	1	5	16.51	16.52	16.43	18.2	0
1.4	16QAM	3	0	16.48	16.57	16.53		
1.4	16QAM	3	1	16.47	16.46	16.44		
1.4	16QAM	3	3	16.49	16.53	16.50		
1.4	16QAM	6	0	16.43	16.62	16.41	18.2	0
1.4	64QAM	1	0	16.50	16.57	16.53		
1.4	64QAM	1	3	16.46	16.54	16.41		
1.4	64QAM	1	5	16.54	16.50	16.52	18.2	0
1.4	64QAM	3	0	16.53	16.58	16.56		
1.4	64QAM	3	1	16.56	16.52	16.44		
1.4	64QAM	3	3	16.41	16.57	16.43		
1.4	64QAM	6	0	16.51	16.58	16.49	18.2	0
1.4	256QAM	1	0	16.10	16.15	16.14		
1.4	256QAM	1	3	16.11	16.09	16.01		
1.4	256QAM	1	5	16.15	16.16	15.91	17.7	0.5
1.4	256QAM	3	0	16.04	16.19	16.12		
1.4	256QAM	3	1	16.07	15.98	16.05		
1.4	256QAM	3	3	15.99	16.07	15.92		
1.4	256QAM	6	0	16.00	16.12	16.07	17.7	0.5

Band 4 Ant4 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	14.77	14.80	14.75		
20	QPSK	1	49	14.72	14.72	14.69	15.9	0
20	QPSK	1	99	14.71	14.74	14.67		
20	QPSK	50	0	14.64	14.77	14.73		
20	QPSK	50	24	14.68	14.75	14.72	15.9	0
20	QPSK	50	50	14.75	14.69	14.66		
20	QPSK	100	0	14.69	14.75	14.72		
20	16QAM	1	0	14.71	14.70	14.71		
20	16QAM	1	49	14.59	14.69	14.64	15.9	0
20	16QAM	1	99	14.67	14.66	14.64		
20	16QAM	50	0	14.51	14.65	14.62		
20	16QAM	50	24	14.57	14.66	14.62	15.9	0
20	16QAM	50	50	14.68	14.57	14.63		
20	16QAM	100	0	14.63	14.68	14.67		
20	64QAM	1	0	14.67	14.72	14.65		
20	64QAM	1	49	14.60	14.69	14.57	15.9	0
20	64QAM	1	99	14.64	14.72	14.55		
20	64QAM	50	0	14.54	14.69	14.69		
20	64QAM	50	24	14.60	14.61	14.68	15.9	0
20	64QAM	50	50	14.71	14.67	14.60		
20	64QAM	100	0	14.59	14.69	14.67		
20	256QAM	1	0	14.68	14.73	14.64		
20	256QAM	1	49	14.66	14.63	14.59	15.9	0
20	256QAM	1	99	14.57	14.70	14.58		
20	256QAM	50	0	14.54	14.70	14.71		
20	256QAM	50	24	14.54	14.63	14.68	15.9	0
20	256QAM	50	50	14.65	14.55	14.54		
20	256QAM	100	0	14.63	14.63	14.66		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	14.72	14.78	14.68		
15	QPSK	1	37	14.65	14.60	14.66	15.9	0
15	QPSK	1	74	14.60	14.64	14.57		
15	QPSK	36	0	14.59	14.71	14.62		
15	QPSK	36	20	14.62	14.65	14.67	15.9	0
15	QPSK	36	39	14.72	14.61	14.62		
15	QPSK	75	0	14.59	14.69	14.62		
15	16QAM	1	0	14.67	14.65	14.61		
15	16QAM	1	37	14.50	14.56	14.59	15.9	0
15	16QAM	1	74	14.61	14.59	14.58		
15	16QAM	36	0	14.47	14.53	14.53		
15	16QAM	36	20	14.43	14.55	14.49	15.9	0
15	16QAM	36	39	14.63	14.43	14.51		
15	16QAM	75	0	14.55	14.58	14.63		
15	64QAM	1	0	14.55	14.62	14.59		
15	64QAM	1	37	14.51	14.62	14.50	15.9	0
15	64QAM	1	74	14.52	14.60	14.52		
15	64QAM	36	0	14.50	14.57	14.67		
15	64QAM	36	20	14.57	14.50	14.62	15.9	0
15	64QAM	36	39	14.62	14.57	14.54		
15	64QAM	75	0	14.50	14.57	14.57		
15	256QAM	1	0	14.55	14.61	14.53		
15	256QAM	1	37	14.62	14.53	14.52	15.9	0
15	256QAM	1	74	14.51	14.63	14.51		
15	256QAM	36	0	14.48	14.59	14.63		
15	256QAM	36	20	14.46	14.49	14.62	15.9	0
15	256QAM	36	39	14.61	14.45	14.46		
15	256QAM	75	0	14.54	14.52	14.57		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	14.73	14.69	14.61		
10	QPSK	1	25	14.59	14.63	14.66	15.9	0
10	QPSK	1	49	14.60	14.72	14.63		
10	QPSK	25	0	14.51	14.69	14.59		
10	QPSK	25	12	14.59	14.71	14.59	15.9	0
10	QPSK	25	25	14.71	14.64	14.63		
10	QPSK	50	0	14.58	14.68	14.63		
10	16QAM	1	0	14.62	14.57	14.59		
10	16QAM	1	25	14.55	14.62	14.60	15.9	0
10	16QAM	1	49	14.55	14.61	14.54		
10	16QAM	25	0	14.42	14.59	14.59		
10	16QAM	25	12	14.46	14.63	14.50	15.9	0
10	16QAM	25	25	14.63	14.51	14.55		
10	16QAM	50	0	14.60	14.62	14.64		
10	64QAM	1	0	14.56	14.60	14.55		
10	64QAM	1	25	14.49	14.60	14.43	15.9	0
10	64QAM	1	49	14.53	14.63	14.48		
10	64QAM	25	0	14.44	14.61	14.59		
10	64QAM	25	12	14.51	14.48	14.57	15.9	0
10	64QAM	25	25	14.68	14.54	14.57		
10	64QAM	50	0	14.52	14.58	14.57		
10	256QAM	1	0	14.54	14.60	14.61		
10	256QAM	1	25	14.59	14.50	14.46	15.9	0
10	256QAM	1	49	14.49	14.64	14.55		
10	256QAM	25	0	14.46	14.66	14.64		
10	256QAM	25	12	14.50	14.50	14.56	15.9	0
10	256QAM	25	25	14.59	14.42	14.43		
10	256QAM	50	0	14.50	14.60	14.57		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	14.68	14.70	14.66		
5	QPSK	1	12	14.60	14.64	14.62	15.9	0
5	QPSK	1	24	14.58	14.65	14.58		
5	QPSK	12	0	14.56	14.65	14.65		
5	QPSK	12	7	14.56	14.73	14.60	15.9	0
5	QPSK	12	13	14.66	14.55	14.60		
5	QPSK	25	0	14.65	14.62	14.62		
5	16QAM	1	0	14.63	14.58	14.69		
5	16QAM	1	12	14.52	14.56	14.61	15.9	0
5	16QAM	1	24	14.57	14.63	14.51		
5	16QAM	12	0	14.47	14.62	14.54		
5	16QAM	12	7	14.53	14.60	14.53	15.9	0
5	16QAM	12	13	14.60	14.53	14.52		
5	16QAM	25	0	14.60	14.56	14.64		
5	64QAM	1	0	14.58	14.59	14.53		
5	64QAM	1	12	14.47	14.56	14.45	15.9	0
5	64QAM	1	24	14.61	14.63	14.44		
5	64QAM	12	0	14.46	14.56	14.61		
5	64QAM	12	7	14.57	14.48	14.55	15.9	0
5	64QAM	12	13	14.59	14.54	14.50		
5	64QAM	25	0	14.53	14.60	14.64		
5	256QAM	1	0	14.65	14.60	14.59		
5	256QAM	1	12	14.64	14.50	14.54	15.9	0
5	256QAM	1	24	14.54	14.57	14.54		
5	256QAM	12	0	14.44	14.57	14.60		
5	256QAM	12	7	14.44	14.49	14.62	15.9	0
5	256QAM	12	13	14.59	14.52	14.50		
5	256QAM	25	0	14.54	14.49	14.62		
Channel				19950	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	14.64	14.76	14.72		
3	QPSK	1	8	14.68	14.60	14.66	15.9	0
3	QPSK	1	14	14.69	14.67	14.61		
3	QPSK	8	0	14.54	14.68	14.69		
3	QPSK	8	4	14.65	14.71	14.60	15.9	0
3	QPSK	8	7	14.65	14.64	14.57		
3	QPSK	15	0	14.60	14.68	14.61		
3	16QAM	1	0	14.58	14.66	14.66		
3	16QAM	1	8	14.48	14.65	14.54	15.9	0
3	16QAM	1	14	14.62	14.53	14.57		
3	16QAM	8	0	14.42	14.62	14.52		
3	16QAM	8	4	14.46	14.63	14.49	15.9	0
3	16QAM	8	7	14.62	14.50	14.52		
3	16QAM	15	0	14.58	14.57	14.64		
3	64QAM	1	0	14.55	14.64	14.53		
3	64QAM	1	8	14.54	14.63	14.50	15.9	0
3	64QAM	1	14	14.51	14.65	14.48		
3	64QAM	8	0	14.49	14.67	14.63		
3	64QAM	8	4	14.53	14.53	14.57	15.9	0
3	64QAM	8	7	14.63	14.57	14.49		
3	64QAM	15	0	14.56	14.64	14.59		
3	256QAM	1	0	14.58	14.62	14.52		
3	256QAM	1	8	14.56	14.51	14.49	15.9	0
3	256QAM	1	14	14.45	14.62	14.45		
3	256QAM	8	0	14.41	14.61	14.65		
3	256QAM	8	4	14.52	14.53	14.65	15.9	0
3	256QAM	8	7	14.53	14.53	14.41		
3	256QAM	15	0	14.58	14.51	14.53		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	14.68	14.74	14.63		
1.4	QPSK	1	3	14.65	14.64	14.64		
1.4	QPSK	1	5	14.64	14.70	14.64	15.9	0
1.4	QPSK	3	0	14.54	14.70	14.65		
1.4	QPSK	3	1	14.55	14.62	14.58		
1.4	QPSK	3	3	14.61	14.63	14.55		
1.4	QPSK	6	0	14.59	14.61	14.69	15.9	0
1.4	16QAM	1	0	14.66	14.64	14.60		
1.4	16QAM	1	3	14.52	14.57	14.50		
1.4	16QAM	1	5	14.64	14.60	14.61	15.9	0
1.4	16QAM	3	0	14.46	14.58	14.51		
1.4	16QAM	3	1	14.44	14.55	14.59		
1.4	16QAM	3	3	14.60	14.49	14.51		
1.4	16QAM	6	0	14.50	14.64	14.61	15.9	0
1.4	64QAM	1	0	14.65	14.66	14.59		
1.4	64QAM	1	3	14.49	14.66	14.49		
1.4	64QAM	1	5	14.58	14.65	14.45	15.9	0
1.4	64QAM	3	0	14.41	14.59	14.66		
1.4	64QAM	3	1	14.48	14.58	14.54		
1.4	64QAM	3	3	14.60	14.59	14.55		
1.4	64QAM	6	0	14.55	14.64	14.59	15.9	0
1.4	256QAM	1	0	14.66	14.68	14.59		
1.4	256QAM	1	3	14.63	14.61	14.48		
1.4	256QAM	1	5	14.47	14.62	14.48	15.9	0
1.4	256QAM	3	0	14.47	14.64	14.62		
1.4	256QAM	3	1	14.51	14.61	14.58		
1.4	256QAM	3	3	14.63	14.41	14.46		
1.4	256QAM	6	0	14.57	14.54	14.63	15.9	0

Band 7 Ant4 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.55	16.60	16.54		
20	QPSK	1	49	16.46	16.53	16.48	17.9	0
20	QPSK	1	99	16.46	16.54	16.43		
20	QPSK	50	0	16.49	16.57	16.51		
20	QPSK	50	24	16.50	16.51	16.47	17.9	0
20	QPSK	50	50	16.41	16.56	16.50		
20	QPSK	100	0	16.50	16.55	16.46		
20	16QAM	1	0	16.43	16.47	16.52

Band 25 Ant4 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	16.53	16.56	16.50		
20	QPSK	1	49	16.48	16.50	16.39	18.3	0
20	QPSK	1	99	16.48	16.44	16.43		
20	QPSK	50	0	16.49	16.52	16.41		
20	QPSK	50	24	16.48	16.46	16.36	18.3	0
20	QPSK	50	50	16.46	16.49	16.44		
20	QPSK	100	0	16.49	16.50	16.44		
20	16QAM	1	0	16.47	16.43	16.43		
20	16QAM	1	49	16.40	16.48	16.34	18.3	0
20	16QAM	1	99	16.45	16.42	16.40		
20	16QAM	50	0	16.43	16.46	16.37		
20	16QAM	50	24	16.45	16.41	16.31	18.3	0
20	16QAM	50	50	16.39	16.47	16.42		
20	16QAM	100	0	16.44	16.42	16.39		
20	64QAM	1	0	16.43	16.46	16.43		
20	64QAM	1	49	16.39	16.44	16.30	18.3	0
20	64QAM	1	99	16.37	16.37	16.36		
20	64QAM	50	0	16.38	16.40	16.36		
20	64QAM	50	24	16.46	16.37	16.32	18.3	0
20	64QAM	50	50	16.40	16.43	16.41		
20	64QAM	100	0	16.45	16.39	16.30		
20	256QAM	1	0	15.48	15.51	15.53		
20	256QAM	1	49	15.52	15.45	15.34	17.3	1
20	256QAM	1	99	15.52	15.41	15.49		
20	256QAM	50	0	15.48	15.46	15.38		
20	256QAM	50	24	15.48	15.43	15.34	17.3	1
20	256QAM	50	50	15.42	15.44	15.46		
20	256QAM	100	0	15.46	15.51	15.49		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	16.45	16.52	16.41		
15	QPSK	1	37	16.44	16.43	16.37	18.3	0
15	QPSK	1	74	16.46	16.41	16.35		
15	QPSK	36	0	16.50	16.47	16.43		
15	QPSK	36	20	16.46	16.43	16.30	18.3	0
15	QPSK	36	39	16.41	16.44	16.42		
15	QPSK	75	0	16.49	16.43	16.45		
15	16QAM	1	0	16.39	16.38	16.42		
15	16QAM	1	37	16.39	16.46	16.33	18.3	0
15	16QAM	1	74	16.40	16.43	16.42		
15	16QAM	36	0	16.35	16.43	16.33		
15	16QAM	36	20	16.47	16.36	16.32	18.3	0
15	16QAM	36	39	16.32	16.48	16.38		
15	16QAM	75	0	16.44	16.41	16.39		
15	64QAM	1	0	16.36	16.48	16.41		
15	64QAM	1	37	16.41	16.36	16.37	18.3	0
15	64QAM	1	74	16.37	16.35	16.37		
15	64QAM	36	0	16.40	16.38	16.35		
15	64QAM	36	20	16.44	16.31	16.36	18.3	0
15	64QAM	36	39	16.31	16.43	16.41		
15	64QAM	75	0	16.45	16.39	16.32		
15	256QAM	1	0	15.42	15.44	15.51		
15	256QAM	1	37	15.54	15.38	15.31	17.3	1
15	256QAM	1	74	15.48	15.40	15.49		
15	256QAM	36	0	15.42	15.47	15.32		
15	256QAM	36	20	15.46	15.42	15.35	17.3	1
15	256QAM	36	39	15.41	15.43	15.41		
15	256QAM	75	0	15.42	15.48	15.48		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	16.51	16.50	16.49		
10	QPSK	1	25	16.49	16.43	16.41	18.3	0
10	QPSK	1	49	16.40	16.38	16.35		
10	QPSK	25	0	16.45	16.45	16.40		
10	QPSK	25	13	16.49	16.40	16.38	18.3	0
10	QPSK	25	25	16.43	16.41	16.41		
10	QPSK	50	0	16.46	16.45	16.45		
10	16QAM	1	0	16.41	16.37	16.35		
10	16QAM	1	25	16.39	16.47	16.35	18.3	0
10	16QAM	1	49	16.40	16.37	16.34		
10	16QAM	25	0	16.45	16.47	16.33		
10	16QAM	25	12	16.45	16.32	16.30	18.3	0
10	16QAM	25	25	16.38	16.38	16.40		
10	16QAM	50	0	16.42	16.38	16.31		
10	64QAM	1	0	16.46	16.46	16.37		
10	64QAM	1	25	16.33	16.44	16.42	18.3	0
10	64QAM	1	49	16.31	16.31	16.46		
10	64QAM	25	0	16.41	16.37	16.38		
10	64QAM	25	12	16.41	16.32	16.23	18.3	0
10	64QAM	25	25	16.35	16.41	16.36		
10	64QAM	50	0	16.47	16.31	16.28		
10	256QAM	1	0	15.50	15.50	15.55		
10	256QAM	1	25	15.47	15.46	15.33	17.3	1
10	256QAM	1	49	15.54	15.41	15.51		
10	256QAM	25	0	15.42	15.45	15.39		
10	256QAM	25	12	15.39	15.42	15.37	17.3	1
10	256QAM	25	25	15.34	15.45	15.45		
10	256QAM	50	0	15.45	15.47	15.50		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	16.49	16.49	16.42		
5	QPSK	1	12	16.44	16.44	16.37	18.3	0
5	QPSK	1	24	16.46	16.46	16.46		
5	QPSK	12	0	16.48	16.54	16.33		
5	QPSK	12	7	16.44	16.39	16.35	18.3	0
5	QPSK	12	13	16.38	16.49	16.41		
5	QPSK	25	0	16.45	16.48	16.45		
5	16QAM	1	0	16.50	16.42	16.36		
5	16QAM	1	12	16.40	16.49	16.34	18.3	0
5	16QAM	1	24	16.44	16.41	16.38		
5	16QAM	12	0	16.40	16.40	16.36		
5	16QAM	12	7	16.46	16.33	16.44	18.3	0
5	16QAM	12	13	16.35	16.44	16.42		
5	16QAM	25	0	16.37	16.42	16.37		
5	64QAM	1	0	16.35	16.46	16.40		
5	64QAM	1	12	16.42	16.36	16.35	18.3	0
5	64QAM	1	24	16.36	16.30	16.37		
5	64QAM	12	0	16.46	16.31	16.34		
5	64QAM	12	7	16.37	16.36	16.24	18.3	0
5	64QAM	12	13	16.34	16.38	16.42		
5	64QAM	25	0	16.47	16.31	16.32		
5	256QAM	1	0	15.49	15.47	15.45		
5	256QAM	1	12	15.48	15.40	15.32	17.3	1
5	256QAM	1	24	15.52	15.39	15.42		
5	256QAM	12	0	15.43	15.42	15.39		
5	256QAM	12	7	15.40	15.43	15.35	17.3	1
5	256QAM	12	13	15.34	15.38	15.47		
5	256QAM	25	0	15.44	15.50	15.47		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	16.53	16.50	16.42		
3	QPSK	1	8	16.50	16.53	16.38	18.3	0
3	QPSK	1	14	16.39	16.39	16.41		
3	QPSK	8	0	16.43	16.53	16.36		
3	QPSK	8	4	16.43	16.45	16.36	18.3	0
3	QPSK	8	7	16.39	16.45	16.41		
3	QPSK	15	0	16.43	16.43	16.41		
3	16QAM	1	0	16.41	16.38	16.43		
3	16QAM	1	8	16.34	16.40	16.41	18.3	0
3	16QAM	1	14	16.46	16.44	16.34		
3	16QAM	8	0	16.37	16.38	16.30		
3	16QAM	8	4	16.47	16.41	16.37	18.3	0
3	16QAM	8	7	16.41	16.43	16.41		
3	16QAM	15	0	16.40	16.38	16.36		
3	64QAM	1	0	16.40	16.40	16.39		
3	64QAM	1	8	16.38	16.42	16.32	18.3	0
3	64QAM	1	14	16.36	16.39	16.40		
3	64QAM	8	0	16.39	16.37	16.36		
3	64QAM	8	4	16.47	16.39	16.26	18.3	0
3	64QAM	8	7	16.37	16.35	16.37		
3	64QAM	15	0	16.47	16.33	16.22		
3	256QAM	1	0	15.51	15.44	15.53		
3	256QAM	1	8	15.53	15.46	15.36	17.3	1
3	256QAM	1	14	15.50	15.39	15.43		
3	256QAM	8	0	15.48	15.42	15.32		
3	256QAM	8	4	15.51	15.39	15.34	17.3	1
3	256QAM	8	7	15.38	15.37	15.39		
3	256QAM	15	0	15.47	15.46	15.48		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	16.52	16.53	16.45		
1.4	QPSK	1	3	16.46	16.52	16.39		
1.4	QPSK	1	5	16.46	16.38	16.40	18.3	0
1.4	QPSK	3	0	16.45	16.44	16.41		
1.4	QPSK	3	1	16.45	16.44	16.31		
1.4	QPSK	3	3	16.46	16.41	16.45		
1.4	QPSK	6	0	16.44	16.49	16.36	18.3	0
1.4	16QAM	1	0	16.44	16.40	16.42		
1.4	16QAM	1	3	16.41	16.47	16.44		
1.4	16QAM	1	5	16.47	16.39	16.31	18.3	0
1.4	16QAM	3	0	16.38	16.49	16.33		
1.4	16QAM	3	1	16.43	16.37	16.38		
1.4	16QAM	3	3	16.35	16.48	16.43		
1.4	16QAM	6	0	16.46	16.38	16.35	18.3	0
1.4	64QAM	1	0	16.45	16.48	16.36		
1.4	64QAM	1	3	16.30	16.41	16.33		
1.4	64QAM	1	5	16.39	16.39	16.30	18.3	0
1.4	64QAM	3	0	16.33	16.38	16.33		
1.4	64QAM	3	1	16.42	16.39	16.32		
1.4	64QAM	3	3	16.42	16.46	16.40		
1.4	64QAM	6	0	16.37	16.35	16.39	18.3	0
1.4	256QAM	1	0	15.46	15.53	15.46		
1.4	256QAM	1	3	15.47	15.38	15.33		
1.4	256QAM	1	5	15.48	15.33	15.40	17.3	1
1.4	256QAM	3	0	15.43	15.39	15.41		
1.4	256QAM	3	1	15.47	15.40	15.30		
1.4	256QAM	3	3	15.41	15.45	15.38		
1.4	256QAM	6	0	15.37	15.48	15.44	17.3	1

Band 66 Ant4 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	14.48	14.51	14.46		
20	QPSK	1	49	14.38	14.49	14.41	15.5	0
20	QPSK	1	99	14.46	14.48	14.39		
20	QPSK	50	0	14.40	14.47	14.34		
20	QPSK	50	24	14.38	14.42	14.41	15.5	0
20	QPSK	50	50	14.39	14.39	14.34		
20	QPSK	100	0	14.40	14.45	14.43		
20	16QAM	1	0	14.40	14.42	14.41		
20	16QAM	1	49	14.28	14.36	14.29	15.5	0
20	16QAM	1	99	14.33	14.36	14.32		
20	16QAM	50	0	14.27	14.37	14.24		
20	16QAM	50	24	14.25	14.30	14.37	15.5	0
20	16QAM	50	50	14.33	14.29	14.28		
20	16QAM	100	0	14.33	14.37	14.38		
20	64QAM	1	0	14.41	14.40	14.37		
20	64QAM	1	49	14.27	14.36	14.38	15.5	0
20	64QAM	1	99	14.40	14.43	14.29		
20	64QAM	50	0	14.36	14.33	14.24		
20	64QAM	50	24	14.32	14.30	14.29	15.5	0
20	64QAM	50	50	14.31	14.36	14.29		
20	64QAM	100	0	14.29	14.35	14.29		
20	256QAM	1	0	14.43	14.39	14.34		
20	256QAM	1	49	14.32	14.37	14.39	15.5	0
20	256QAM	1	99	14.39	14.38	14.35		
20	256QAM	50	0	14.34	14.42	14.24		
20	256QAM	50	24	14.25	14.38	14.35	15.5	0
20	256QAM	50	50	14.35	14.36	14.24		
20	256QAM	100	0	14.34	14.36	14.40		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	14.44	14.38	14.38		
15	QPSK	1	37	14.32	14.44	14.34	15.5	0
15	QPSK	1	74	14.33	14.37	14.25		
15	QPSK	36	0	14.33	14.35	14.31		
15	QPSK	36	20	14.34	14.31	14.33	15.5	0
15	QPSK	36	39	14.26	14.34	14.30		
15	QPSK	75	0	14.33	14.35	14.37		
15	16QAM	1	0	14.34	14.40	14.29		
15	16QAM	1	37	14.14	14.32	14.17	15.5	0
15	16QAM	1	74	14.24	14.29	14.22		
15	16QAM	36	0	14.24	14.25	14.10		
15	16QAM	36	20	14.11	14.21	14.26	15.5	0
15	16QAM	36	39	14.19	14.25	14.18		
15	16QAM	75	0	14.30	14.30	14.28		
15	64QAM	1	0	14.27	14.27	14.24		
15	64QAM	1	37	14.20	14.29	14.31	15.5	0
15	64QAM	1	74	14.34	14.30	14.19		
15	64QAM	36	0	14.24	14.20	14.21		
15	64QAM	36	20	14.18	14.24	14.21	15.5	0
15	64QAM	36	39	14.18	14.25	14.19		
15	64QAM	75	0	14.16	14.31	14.16		
15	256QAM	1	0	14.37	14.31	14.23		
15	256QAM	1	37	14.22	14.27	14.35	15.5	0
15	256QAM	1	74	14.28	14.27	14.23		
15	256QAM	36	0	14.31	14.37	14.13		
15	256QAM	36	20	14.15	14.34	14.22	15.5	0
15	256QAM	36	39	14.28	14.33	14.14		
15	256QAM	75	0	14.21	14.30	14.34		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	14.40	14.48	14.42		
10	QPSK	1	25	14.30	14.35	14.31	15.5	0
10	QPSK	1	49	14.40	14.46	14.28		
10	QPSK	25	0	14.32	14.33	14.23		
10	QPSK	25	12	14.29	14.37	14.30	15.5	0
10	QPSK	25	25	14.29	14.30	14.23		
10	QPSK	50	0	14.29	14.39	14.38		
10	16QAM	1	0	14.28	14.39	14.33		
10	16QAM	1	25	14.20	14.26	14.17	15.5	0
10	16QAM	1	49	14.27	14.31	14.24		
10	16QAM	25	0	14.15	14.27	14.14		
10	16QAM	25	12	14.22	14.25	14.24	15.5	0
10	16QAM	25	25	14.23	14.24	14.16		
10	16QAM	50	0	14.20	14.26	14.30		
10	64QAM	1	0	14.30	14.32	14.29		
10	64QAM	1	25	14.23	14.30	14.24	15.5	0
10	64QAM	1	49	14.30	14.36	14.20		
10	64QAM	25	0	14.29	14.35	14.14		
10	64QAM	25	12	14.22	14.21	14.25	15.5	0
10	64QAM	25	25	14.21	14.23	14.23		
10	64QAM	50	0	14.22	14.33	14.15		
10	256QAM	1	0	14.36	14.26	14.29		
10	256QAM	1	25	14.29	14.35	14.31	15.5	0
10	256QAM	1	49	14.35	14.33	14.24		
10	256QAM	25	0	14.24	14.29	14.14		
10	256QAM	25	12	14.12	14.35	14.24	15.5	0
10	256QAM	25	25	14.29	14.29	14.19		
10	256QAM	50	0	14.30	14.25	14.32		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	14.43	14.44	14.38		
5	QPSK	1	12	14.29	14.41	14.39	15.5	0
5	QPSK	1	24	14.43	14.35	14.32		
5	QPSK	12	0	14.33	14.41	14.32		
5	QPSK	12	7	14.26	14.38	14.38	15.5	0
5	QPSK	12	13	14.29	14.31	14.24		
5	QPSK	25	0	14.32	14.32	14.32		
5	16QAM	1	0	14.34	14.29	14.38		
5	16QAM	1	12	14.25	14.25	14.23	15.5	0
5	16QAM	1	24	14.23	14.27	14.21		
5	16QAM	12	0	14.22	14.30	14.18		
5	16QAM	12	7	14.18	14.26	14.33	15.5	0
5	16QAM	12	13	14.19	14.24	14.24		
5	16QAM	25	0	14.26	14.26	14.26		
5	64QAM	1	0	14.36	14.32	14.35		
5	64QAM	1	12	14.16	14.26	14.28	15.5	0
5	64QAM	1	24	14.36	14.29	14.23		
5	64QAM	12	0	14.33	14.21	14.20		
5	64QAM	12	7	14.21	14.22	14.27	15.5	0
5	64QAM	12	13	14.20	14.33	14.23		
5	64QAM	25	0	14.17	14.27	14.24		
5	256QAM	1	0	14.30	14.30	14.21		
5	256QAM	1	12	14.20	14.32	14.28	15.5	0
5	256QAM	1	24	14.26	14.30	14.22		
5	256QAM	12	0	14.29	14.29	14.20		
5	256QAM	12	7	14.19	14.25	14.32	15.5	0
5	256QAM	12	13	14.23	14.28	14.18		
5	256QAM	25	0	14.21	14.33	14.28		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	14.44	14.47	14.40		
3	QPSK	1	8	14.25	14.44	14.31	15.5	0
3	QPSK	1	14	14.42	14.41	14.36		
3	QPSK	8	0	14.34	14.37	14.29		
3	QPSK	8	4	14.27	14.32	14.33	15.5	0
3	QPSK	8	7	14.35	14.27	14.25		
3	QPSK	15	0	14.38	14.35	14.29		
3	16QAM	1	0	14.33	14.33	14.30		
3	16QAM	1	8	14.16	14.33	14.19	15.5	0
3	16QAM	1	14	14.27	14.25	14.18		
3	16QAM	8	0	14.14	14.31	14.10		
3	16QAM	8	4	14.17	14.25	14.28	15.5	0
3	16QAM	8	7	14.27	14.22	14.22		
3	16QAM	15	0	14.28	14.24	14.35		
3	64QAM	1	0	14.34	14.26	14.34		
3	64QAM	1	8	14.21	14.28	14.29	15.5	0
3	64QAM	1	14	14.35	14.39	14.20		
3	64QAM	8	0	14.27	14.25	14.10		
3	64QAM	8	4	14.26	14.22	14.18	15.5	0
3	64QAM	8	7	14.19	14.32	14.19		
3	64QAM	15	0	14.17	14.25	14.26		
3	256QAM	1	0	14.36	14.34	14.30		
3	256QAM	1	8	14.21	14.30	14.31	15.5	0
3	256QAM	1	14	14.26	14.29	14.30		
3	256QAM	8	0	14.30	14.32	14.21		
3	256QAM	8	4	14.18	14.30	14.22	15.5	0
3	256QAM	8	7	14.23	14.26	14.20		
3	256QAM	15	0	14.24	14.28	14.36		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	14.40	14.38	14.42		
1.4	QPSK	1	3	14.34	14.41	14.32		
1.4	QPSK	1	5	14.42	14.44	14.27	15.5	0
1.4	QPSK	3	0	14.33	14.43	14.28		
1.4	QPSK	3	1	14.29	14.37	14.28		
1.4	QPSK	3	3	14.29	14.30	14.20		
1.4	QPSK	6	0	14.28	14.41	14.40	15.5	0
1.4	16QAM	1	0	14.27	14.28	14.33		
1.4	16QAM	1	3	14.23	14.24	14.26		
1.4	16QAM	1	5	14.25	14.30	14.21	15.5	0
1.4	16QAM	3	0	14.24	14.27	14.16		
1.4	16QAM	3	1	14.18	14.21	14.28		
1.4	16QAM	3	3	14.27	14.19	14.21		
1.4	16QAM	6	0	14.21	14.23	14.25	15.5	0
1.4	64QAM	1	0	14.34	14.30	14.28		
1.4	64QAM	1	3	14.18	14.26	14.34		
1.4	64QAM	1	5	14.37	14.31	14.26	15.5	0
1.4	64QAM	3	0	14.26	14.28	14.13		
1.4	64QAM	3	1	14.27	14.26	14.25		
1.4	64QAM	3	3	14.24	14.23	14.23		
1.4	64QAM	6	0	14.16	14.31	14.15	15.5	0
1.4	256QAM	1	0	14.32	14.32	14.28		
1.4	256QAM	1	3	14.19	14.33	14.35		
1.4	256QAM	1	5	14.28	14.34	14.28	15.5	0
1.4	256QAM	3	0	14.25	14.28	14.17		
1.4	256QAM	3	1	14.13	14.30	14.23		
1.4	256QAM	3	3	14.27	14.29	14.15		
1.4	256QAM	6	0	14.29	14.28	14.27	15.5	0

Band 38 Ant4 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.75	19.77	19.72	21.2	0
20	QPSK	1	49	19.72	19.68	19.68		
20	QPSK	1	99	19.65	19.66	19.61		
20	QPSK	50	0	19.71	19.74	19.61		
20	QPSK	50	24	19.65	19.73	19.68		
20	QPSK	50	50	19.63	19.73	19.69		
20	QPSK	100	0	19.62	19.73	19.63		
20	16QAM	1	0	19.69	19.68	19.67	21.2	0
20	16QAM	1	49	19.61	19.56	19.58		
20	16QAM	1	99	19.61	19.57	19.55		
20	16QAM	50	0	19.61	19.69	19.55		
20	16QAM	50	24	19.56	19.70	19.62		
20	16QAM	50	50	19.53	19.69	19.56		
20	16QAM	100	0	19.52	19.63	19.52		
20	64QAM	1	0	19.69	19.69	19.70	21.2	0
20	64QAM	1	49	19.64	19.60	19.58		
20	64QAM	1	99	19.59	19.55	19.55		
20	64QAM	50	0	19.63	19.62	19.48		
20	64QAM	50	24	19.55	19.63	19.62		
20	64QAM	50	50	19.54	19.65	19.60		
20	64QAM	100	0	19.49	19.66	19.55		
20	256QAM	1	0	18.25	18.25	18.23	19.7	1.5
20	256QAM	1	49	18.20	18.16	18.15		
20	256QAM	1	99	18.20	18.14	18.13		
20	256QAM	50	0	18.20	18.21	18.05		
20	256QAM	50	24	18.17	18.20	18.19		
20	256QAM	50	50	18.10	18.22	18.23		
20	256QAM	100	0	18.07	18.21	18.11		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.67	19.69	19.67	21.2	0
15	QPSK	1	37	19.66	19.56	19.55		
15	QPSK	1	74	19.57	19.57	19.50		
15	QPSK	36	0	19.59	19.71	19.56		
15	QPSK	36	20	19.53	19.64	19.58		
15	QPSK	36	39	19.52	19.60	19.60		
15	QPSK	75	0	19.58	19.70	19.57		
15	16QAM	1	0	19.56	19.56	19.55		
15	16QAM	1	37	19.52	19.43	19.51		
15	16QAM	1	74	19.52	19.44	19.53		
15	16QAM	36	0	19.53	19.62	19.52		
15	16QAM	36	20	19.47	19.61	19.60		
15	16QAM	36	39	19.47	19.59	19.53		
15	16QAM	75	0	19.41	19.57	19.44		
15	64QAM	1	0	19.66	19.55	19.57		
15	64QAM	1	37	19.57	19.49	19.55		
15	64QAM	1	74	19.46	19.47	19.46		
15	64QAM	36	0	19.55	19.52	19.40		
15	64QAM	36	20	19.51	19.59	19.57		
15	64QAM	36	39	19.51	19.62	19.49		
15	64QAM	75	0	19.35	19.64	19.44		
15	256QAM	1	0	18.16	18.21	18.20		
15	256QAM	1	37	18.10	18.06	18.06	19.7	1.5
15	256QAM	1	74	18.12	18.01	18.05		
15	256QAM	36	0	18.09	18.14	17.92		
15	256QAM	36	20	18.15	18.11	18.07		
15	256QAM	36	39	18.05	18.17	18.11		
15	256QAM	75	0	18.01	18.12	18.06		
Channel				37800	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.66	19.66	19.69	21.2	0
10	QPSK	1	25	19.65	19.58	19.66		
10	QPSK	1	49	19.53	19.55	19.55		
10	QPSK	25	0	19.62	19.68	19.50		
10	QPSK	25	12	19.56	19.61	19.58		
10	QPSK	25	25	19.59	19.67	19.61		
10	QPSK	50	0	19.49	19.70	19.54		
10	16QAM	1	0	19.63	19.61	19.56		
10	16QAM	1	25	19.53	19.46	19.48		
10	16QAM	1	49	19.53	19.54	19.50		
10	16QAM	25	0	19.55	19.69	19.48		
10	16QAM	25	12	19.51	19.65	19.54		
10	16QAM	25	25	19.41	19.62	19.50		
10	16QAM	50	0	19.41	19.51	19.47		
10	64QAM	1	0	19.64	19.60	19.58	21.2	0
10	64QAM	1	25	19.51	19.46	19.50		
10	64QAM	1	49	19.55	19.46	19.49		
10	64QAM	25	0	19.54	19.58	19.35		
10	64QAM	25	12	19.50	19.50	19.55		
10	64QAM	25	25	19.46	19.54	19.48		
10	64QAM	50	0	19.46	19.64	19.46		
10	256QAM	1	0	18.22	18.20	18.12	19.7	1.5
10	256QAM	1	25	18.08	18.02	18.02		
10	256QAM	1	49	18.08	18.11	18.03		
10	256QAM	25	0	18.13	18.08	17.97		
10	256QAM	25	12	18.13	18.16	18.10		
10	256QAM	25	25	18.08	18.18	18.16		
10	256QAM	50	0	18.05	18.16	18.05		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.62	19.73	19.69	21.2	0
5	QPSK	1	12	19.66	19.62	19.62		
5	QPSK	1	24	19.59	19.61	19.56		
5	QPSK	12	0	19.69	19.65	19.57		
5	QPSK	12	7	19.52	19.67	19.60		
5	QPSK	12	13	19.55	19.60	19.64		
5	QPSK	25	0	19.56	19.68	19.58		
5	16QAM	1	0	19.64	19.61	19.62	21.2	0
5	16QAM	1	12	19.51	19.53	19.51		
5	16QAM	1	24	19.54	19.46	19.46		
5	16QAM	12	0	19.52	19.57	19.51		
5	16QAM	12	7	19.47	19.62	19.53		
5	16QAM	12	13	19.48	19.62	19.42		
5	16QAM	25	0	19.46	19.52	19.50		
5	64QAM	1	0	19.59	19.65	19.67	21.2	0
5	64QAM	1	12	19.58	19.48	19.53		
5	64QAM	1	24	19.48	19.52	19.50		
5	64QAM	12	0	19.50	19.49	19.36		
5	64QAM	12	7	19.47	19.49	19.60		
5	64QAM	12	13	19.51	19.59	19.53		
5	64QAM	25	0	19.45	19.54	19.49		
5	256QAM	1	0	18.11	18.14	18.15	19.7	1.5
5	256QAM	1	12	18.14	18.06	18.07		
5	256QAM	1	24	18.06	18.00	18.07		
5	256QAM	12	0	18.15	18.09	18.00		
5	256QAM	12	7	18.14	18.14	18.11		
5	256QAM	12	13	18.02	18.19	18.17		
5	256QAM	25	0	18.03	18.08	18.06		

Band 41 Ant4 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.72	18.75	18.77	18.70	18.68	20.2	0
20	QPSK	1	49	18.63	18.72	18.73	18.62	18.64		
20	QPSK	1	99	18.60	18.65	18.68	18.60	18.62		
20	QPSK	50	0	18.63	18.72	18.74	18.59	18.62		
20	QPSK	50	24	18.69	18.62	18.70	18.59	18.59		
20	QPSK	50	50	18.65	18.64	18.63	18.63	18.61		
20	QPSK	100	0	18.64	18.69	18.71	18.61	18.59		
20	16QAM	1	0	18.69	18.72	18.69	18.61	18.55	20.2	0
20	16QAM	1	49	18.49	18.70	18.64	18.58	18.57		
20	16QAM	1	99	18.50	18.58	18.65	18.58	18.56		
20	16QAM	50	0	18.54	18.70	18.60	18.49	18.54		
20	16QAM	50	24	18.67	18.55	18.61	18.54	18.56		
20	16QAM	50	50	18.56	18.59	18.60	18.52	18.56		
20	16QAM	100	0	18.56	18.65	18.62	18.49	18.49		
20	64QAM	1	0	18.62	18.70	18.69	18.66	18.60	20.2	0
20	64QAM	1	49	18.50	18.68	18.64	18.51	18.59		
20	64QAM	1	99	18.47	18.59	18.56	18.54	18.60		
20	64QAM	50	0	18.54	18.62	18.61	18.54	18.55		
20	64QAM	50	24	18.62	18.56	18.58	18.51	18.52		
20	64QAM	50	50	18.52	18.55	18.53	18.50	18.50		
20	64QAM	100	0	18.61	18.62	18.57	18.56	18.45		
20	256QAM	1	0	18.23	18.20	18.24	18.23	18.13	19.7	0.5
20	256QAM	1	49	18.09	18.25	18.24	18.17	18.19		
20	256QAM	1	99	18.07	18.18	18.13	18.10	18.06		
20	256QAM	50	0	18.14	18.28	18.28	18.05	18.17		
20	256QAM	50	24	18.21	18.09	18.22	18.06	18.08		
20	256QAM	50	50	18.10	18.09	18.18	18.08	18.06		
20	256QAM	100	0	18.16	18.15	18.19	18.17	18.12		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.62	18.62	18.64	18.62	18.59	20	0
15	QPSK	1	37	18.56	18.63	18.70	18.58	18.54		
15	QPSK	1	74	18.54	18.61	18.62	18.52	18.54		
15	QPSK	36	0	18.59	18.68	18.67	18.45	18.53	20.2	0
15	QPSK	36	20	18.58	18.55	18.63	18.51	18.52		
15	QPSK	36	39	18.56	18.61	18.50	18.56	18.50		
15	QPSK	75	0	18.55	18.58	18.68	18.55	18.55		
15	16QAM	1	0	18.64	18.69	18.62	18.58	18.46	20.2	0
15	16QAM	1	37	18.39	18.61	18.62	18.51	18.46		
15	16QAM	1	74	18.38	18.46	18.58	18.55	18.49		
15	16QAM	36	0	18.42	18.57	18.55	18.38	18.45	20.2	0
15	16QAM	36	20	18.55	18.50	18.51	18.46	18.42		
15	16QAM	36	39	18.46	18.55	18.47	18.42	18.47		
15	16QAM	75	0	18.47	18.51	18.54	18.37	18.37		
15	64QAM	1	0	18.52	18.64	18.66	18.61	18.52	20.2	0
15	64QAM	1	37	18.38	18.64	18.51	18.48	18.49		
15	64QAM	1	74	18.36	18.49	18.52	18.48	18.50		
15	64QAM	36	0	18.43	18.53	18.54	18.43	18.52	20.2	0
15	64QAM	36	20	18.48	18.53	18.52	18.43	18.42		
15	64QAM	36	39	18.47	18.41	18.42	18.38	18.37		
15	64QAM	75	0	18.53	18.53	18.50	18.47	18.36		
15	256QAM	1	0	18.20	18.10	18.19	18.14	18.11	19.7	0.5
15	256QAM	1	37	17.95	18.22	18.11	18.05	18.13		
15	256QAM	1	74	17.95	18.14	18.05	17.97	17.96		
15	256QAM	36	0	18.01	18.14	18.19	18.01	18.13	19.7	0.5
15	256QAM	36	20	18.17	18.02	18.09	17.92	17.97		
15	256QAM	36	39	17.96	18.00	18.13	18.04	18.02		
15	256QAM	75	0	18.12	18.05	18.10	18.09	18.05		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.61	18.72	18.75	18.57	18.65	20	0
10	QPSK	1	25	18.53	18.60	18.62	18.50	18.62		
10	QPSK	1	49	18.47	18.53	18.62	18.55	18.59		
10	QPSK	25	0	18.50	18.68	18.63	18.52	18.55	20.2	0
10	QPSK	25	12	18.64	18.53	18.63	18.51	18.48		
10	QPSK	25	25	18.53	18.50	18.55	18.60	18.57		
10	QPSK	50	0	18.55	18.58	18.67	18.58	18.56		
10	16QAM	1	0	18.64	18.59	18.63	18.56	18.41	20.2	0
10	16QAM	1	25	18.41	18.57	18.51	18.56	18.47		
10	16QAM	1	49	18.44	18.49	18.60	18.52	18.48		
10	16QAM	25	0	18.52	18.60	18.56	18.45	18.46	20.2	0
10	16QAM	25	12	18.59	18.48	18.56	18.40	18.42		
10	16QAM	25	25	18.50	18.53	18.53	18.48	18.49		
10	16QAM	50	0	18.45	18.54	18.53	18.38	18.43		
10	64QAM	1	0	18.50	18.68	18.62	18.62	18.55	20.2	0
10	64QAM	1	25	18.40	18.63	18.51	18.40	18.50		
10	64QAM	1	49	18.39	18.55	18.44	18.48	18.49		
10	64QAM	25	0	18.40	18.57	18.48	18.47	18.45	20.2	0
10	64QAM	25	12	18.49	18.46	18.50	18.37	18.49		
10	64QAM	25	25	18.42	18.50	18.43	18.48	18.45		
10	64QAM	50	0	18.53	18.52	18.53	18.49	18.40		
10	256QAM	1	0	18.15	18.13	18.11	18.15	18.08	19.7	0.5
10	256QAM	1	25	17.95	18.11	18.20	18.14	18.14		
10	256QAM	1	49	17.94	18.06	17.99	17.98	18.02		
10	256QAM	25	0	18.10	18.15	18.17	17.92	18.04	19.7	0.5
10	256QAM	25	12	18.15	17.96	18.16	17.95	18.01		
10	256QAM	25	25	18.00	18.02	18.09	17.96	17.93		
10	256QAM	50	0	18.06	18.12	18.16	18.05	18.04		
Channel				39675	40140	40620	41063	41505	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.62	18.68	18.74	18.58	18.58	20	0
5	QPSK	1	12	18.56	18.59	18.67	18.50	18.61		
5	QPSK	1	24	18.56	18.63	18.57	18.49	18.52		
5	QPSK	12	0	18.52	18.61	18.69	18.45	18.57	20.2	0
5	QPSK	12	7	18.63	18.56	18.62	18.46	18.48		
5	QPSK	12	13	18.59	18.57	18.53	18.59	18.51		
5	QPSK	25	0	18.51	18.57	18.62	18.56	18.52		
5	16QAM	1	0	18.67	18.69	18.61	18.57	18.52	20.2	0
5	16QAM	1	12	18.40	18.60	18.56	18.45	18.50		
5	16QAM	1	24	18.47	18.51	18.58	18.45	18.47		
5	16QAM	12	0	18.41	18.61	18.58	18.38	18.45	20.2	0
5	16QAM	12	7	18.58	18.44	18.58	18.51	18.50		
5	16QAM	12	13	18.47	18.46	18.48	18.49	18.54		
5	16QAM	25	0	18.48	18.56	18.53	18.35	18.39		
5	64QAM	1	0	18.52	18.62	18.63	18.54	18.49	20.2	0
5	64QAM	1	12	18.43	18.58	18.58	18.43	18.46		
5	64QAM	1	24	18.41	18.54	18.49	18.44	18.56		
5	64QAM	12	0	18.43	18.57	18.59	18.51	18.52	20.2	0
5	64QAM	12	7	18.53	18.53	18.44	18.49	18.43		
5	64QAM	12	13	18.46	18.44	18.44	18.46	18.44		
5	64QAM	25	0	18.53	18.56	18.51	18.53	18.35		
5	256QAM	1	0	18.14	18.17	18.22	18.16	18.05	19.7	0.5
5	256QAM	1	12	17.95	18.23	18.19	18.10	18.13		
5	256QAM	1	24	17.96	18.15	18.09	17.99	18.00		
5	256QAM	12	0	18.02	18.20	18.20	17.96	18.04	19.7	0.5
5	256QAM	12	7	18.08	17.98	18.19	17.95	17.95		
5	256QAM	12	13	17.98	17.99	18.07	18.02	17.94		
5	256QAM	25	0	18.04	18.03	18.09	18.08	18.00		

Band 42 Ant4 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	18.09	18.12	18.06	19.2	0
20	QPSK	1	49	17.97	17.99	17.93		
20	QPSK	1	99	18.02	18.07	18.04		
20	QPSK	50	0	18.06	18.09	17.97		
20	QPSK	50	24	18.01	18.06	17.93		
20	QPSK	50	50	18.01	18.03	17.94		
20	QPSK	100	0	18.05	18.06	18.02		
20	16QAM	1	0	18.09	18.05	18.03	19.2	0
20	16QAM	1	49	18.00	18.01	17.90		
20	16QAM	1	99	18.05	18.02	18.05		
20	16QAM	50	0	18.09	18.01	17.93		
20	16QAM	50	24	18.00	18.04	17.87		
20	16QAM	50	50	18.03	18.04	17.87		
20	16QAM	100	0	18.06	18.06	18.01		
20	64QAM	1	0	18.11	18.07	18.01	19.2	0
20	64QAM	1	49	17.95	17.99	17.88		
20	64QAM	1	99	18.01	18.00	18.04		
20	64QAM	50	0	18.06	18.10	17.90		
20	64QAM	50	24	18.03	17.98	17.92		
20	64QAM	50	50	17.93	18.02	17.93		
20	64QAM	100	0	18.06	18.01	17.97		
20	256QAM	1	0	18.06	18.07	18.09	19.2	0
20	256QAM	1	49	18.01	17.99	17.93		
20	256QAM	1	99	18.04	18.06	18.05		
20	256QAM	50	0	18.09	18.10	17.89		
20	256QAM	50	24	18.00	18.04	17.96		
20	256QAM	50	50	18.00	18.00	17.86		
20	256QAM	100	0	18.06	17.99	17.97		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	18.06	18.06	17.96	19.2	0
15	QPSK	1	37	17.95	17.94	17.92		
15	QPSK	1	74	17.98	17.97	17.97		
15	QPSK	36	0	18.02	18.01	17.92		
15	QPSK	36	20	17.98	18.01	17.86		
15	QPSK	36	39	17.96	17.98	17.88		
15	QPSK	75	0	17.98	18.05	18.01		
15	16QAM	1	0	18.00	18.05	18.03	19.2	0
15	16QAM	1	37	17.97	17.94	17.83		
15	16QAM	1	74	17.98	17.95	17.95		
15	16QAM	36	0	18.03	17.94	17.91		
15	16QAM	36	20	17.94	17.98	17.77		
15	16QAM	36	39	18.01	18.02	17.86		
15	16QAM	75	0	18.00	18.03	17.95		
15	64QAM	1	0	18.07	18.00	17.92	19.2	0
15	64QAM	1	37	17.85	17.94	17.87		
15	64QAM	1	74	17.91	17.96	18.00		
15	64QAM	36	0	17.95	18.04	17.80		
15	64QAM	36	20	17.92	17.90	17.88		
15	64QAM	36	39	17.92	17.95	17.92		
15	64QAM	75	0	18.03	17.90	17.91		
15	256QAM	1	0	17.94	18.01	17.98	19.2	0
15	256QAM	1	37	17.95	17.97	17.88		
15	256QAM	1	74	17.92	18.00	17.97		
15	256QAM	36	0	17.99	17.98	17.79		
15	256QAM	36	20	17.93	18.00	17.87		
15	256QAM	36	39	17.99	17.94	17.84		
15	256QAM	75	0	17.96	17.88	17.85		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	18.04	18.11	18.00	19.2	0
10	QPSK	1	25	17.95	17.98	17.84		
10	QPSK	1	49	18.00	18.00	17.99		
10	QPSK	25	0	18.01	17.94	17.87		
10	QPSK	25	12	17.95	18.00	17.87		
10	QPSK	25	25	17.96	17.94	17.86		
10	QPSK	50	0	17.98	17.94	18.00		
10	16QAM	1	0	18.08	17.99	17.91	19.2	0
10	16QAM	1	25	17.96	17.91	17.84		
10	16QAM	1	49	17.95	18.01	18.03		
10	16QAM	25	0	17.99	17.96	17.82		
10	16QAM	25	12	17.89	17.96	17.84		
10	16QAM	25	25	17.95	18.01	17.85		
10	16QAM	50	0	17.94	18.01	17.97		
10	64QAM	1	0	18.04	18.04	17.90	19.2	0
10	64QAM	1	25	17.90	17.89	17.78		
10	64QAM	1	49	17.95	17.94	18.04		
10	64QAM	25	0	18.04	17.99	17.83		
10	64QAM	25	12	18.00	17.90	17.88		
10	64QAM	25	25	17.84	17.91	17.88		
10	64QAM	50	0	18.03	17.94	17.88		
10	256QAM	1	0	18.03	18.02	18.07	19.2	0
10	256QAM	1	25	17.94	17.88	17.86		
10	256QAM	1	49	18.01	18.03	17.96		
10	256QAM	25	0	17.98	18.06	17.79	19.2	0
10	256QAM	25	12	18.00	17.95	17.92		
10	256QAM	25	25	17.88	17.92	17.85		
10	256QAM	50	0	18.03	17.93	17.92		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	18.02	18.01	17.97	19.2	0
5	QPSK	1	12	17.95	17.91	17.91		
5	QPSK	1	24	17.90	18.06	17.94		
5	QPSK	12	0	18.00	18.05	17.93		
5	QPSK	12	7	17.89	18.01	17.93		
5	QPSK	12	13	17.96	18.00	17.85		
5	QPSK	25	0	18.01	18.04	17.97		
5	16QAM	1	0	18.00	18.00	18.02	19.2	0
5	16QAM	1	12	17.90	17.92	17.90		
5	16QAM	1	24	17.97	18.00	17.95		
5	16QAM	12	0	17.97	17.90	17.90		
5	16QAM	12	7	17.91	18.04	17.85		
5	16QAM	12	13	17.94	18.03	17.79		
5	16QAM	25	0	17.99	18.00	18

		WCDMA II Ant6 DSI1				WCDMA IV Ant6 DSI1			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.00	22.11	22.01	23.30	21.34	21.44	21.34	22.90
3GPP Rel 99	RMC 12.2Kbps	22.13	22.16	22.02	23.30	21.44	21.54	21.47	22.90
3GPP Rel 6	HSDPA Subtest-1	21.23	21.08	21.11	22.30	20.54	20.47	20.52	21.90
3GPP Rel 6	HSDPA Subtest-2	21.09	21.16	21.10	22.30	20.43	20.54	20.45	21.90
3GPP Rel 6	HSDPA Subtest-3	20.59	20.66	20.58	21.80	19.99	19.98	19.92	21.40
3GPP Rel 6	HSDPA Subtest-4	20.57	20.66	20.56	21.80	19.89	20.06	19.89	21.40
3GPP Rel 8	DC-HSDPA Subtest-1	21.18	21.15	21.07	22.30	20.48	20.50	20.40	21.90
3GPP Rel 8	DC-HSDPA Subtest-2	21.12	21.10	21.10	22.30	20.50	20.49	20.46	21.90
3GPP Rel 8	DC-HSDPA Subtest-3	20.51	20.69	20.67	21.80	19.82	20.02	19.97	21.40
3GPP Rel 8	DC-HSDPA Subtest-4	20.64	20.61	20.52	21.80	19.93	19.96	19.82	21.40
3GPP Rel 6	HSUPA Subtest-1	21.13	21.07	21.05	22.30	20.49	20.42	20.46	21.90
3GPP Rel 6	HSUPA Subtest-2	19.21	19.16	19.09	20.30	18.51	18.55	18.39	19.90
3GPP Rel 6	HSUPA Subtest-3	20.11	20.07	20.05	21.30	19.49	19.46	19.35	20.90
3GPP Rel 6	HSUPA Subtest-4	19.16	19.21	19.09	20.30	18.49	18.53	18.42	19.90
3GPP Rel 6	HSUPA Subtest-5	21.06	21.05	21.03	22.30	20.41	20.43	20.34	21.90
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.67	18.69	18.57	19.80	17.97	18.04	17.92	19.40

Band 2 Ant6 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	22.27	22.41	22.30		
20	QPSK	1	49	22.15	22.34	22.20	23.8	0
20	QPSK	1	99	22.16	22.26	22.17		
20	QPSK	50	0	21.25	21.38	21.29		
20	QPSK	50	24	21.23	21.35	21.32	22.8	1
20	QPSK	50	50	21.24	21.30	21.24		
20	QPSK	100	0	21.31	21.39	21.29		
20	16QAM	1	0	21.24	21.41	21.30		
20	16QAM	1	49	21.26	21.43	21.24	22.8	1
20	16QAM	1	99	21.31	21.37	21.27		
20	16QAM	50	0	20.29	20.37	20.29		
20	16QAM	50	24	20.31	20.40	20.33	21.8	2
20	16QAM	50	50	20.26	20.38	20.31		
20	16QAM	100	0	20.29	20.42	20.28		
20	64QAM	1	0	20.26	20.46	20.30		
20	64QAM	1	49	20.23	20.46	20.25	21.8	2
20	64QAM	1	99	20.28	20.44	20.27		
20	64QAM	50	0	19.25	19.37	19.30		
20	64QAM	50	24	19.32	19.41	19.31	20.8	3
20	64QAM	50	50	19.29	19.41	19.28		
20	64QAM	100	0	19.23	19.39	19.27		
20	256QAM	1	0	17.28	17.39	17.36		
20	256QAM	1	49	17.21	17.38	17.29	18.8	5
20	256QAM	1	99	17.30	17.37	17.28		
20	256QAM	50	0	17.23	17.41	17.29		
20	256QAM	50	24	17.25	17.45	17.32	18.8	5
20	256QAM	50	50	17.25	17.44	17.25		
20	256QAM	100	0	17.22	17.36	17.31		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	22.20	22.26	22.16		
15	QPSK	1	37	22.07	22.24	22.07	23.8	0
15	QPSK	1	74	22.07	22.19	22.02		
15	QPSK	36	0	21.09	21.24	21.22		
15	QPSK	36	20	21.16	21.27	21.18	22.8	1
15	QPSK	36	39	21.19	21.24	21.09		
15	QPSK	75	0	21.19	21.23	21.23		
15	16QAM	1	0	21.11	21.26	21.19		
15	16QAM	1	37	21.15	21.32	21.09	22.8	1
15	16QAM	1	74	21.24	21.24	21.15		
15	16QAM	36	0	20.17	20.24	20.20		
15	16QAM	36	20	20.20	20.27	20.25	21.8	2
15	16QAM	36	39	20.19	20.26	20.22		
15	16QAM	75	0	20.17	20.37	20.22		
15	64QAM	1	0	20.16	20.35	20.15		
15	64QAM	1	37	20.10	20.36	20.18	21.8	2
15	64QAM	1	74	20.23	20.31	20.14		
15	64QAM	36	0	19.14	19.30	19.20		
15	64QAM	36	20	19.20	19.26	19.27	20.8	3
15	64QAM	36	39	19.15	19.29	19.19		
15	64QAM	75	0	19.16	19.31	19.21		
15	256QAM	1	0	17.23	17.29	17.32		
15	256QAM	1	37	17.14	17.34	17.20	18.8	5
15	256QAM	1	74	17.20	17.25	17.20		
15	256QAM	36	0	17.09	17.26	17.16		
15	256QAM	36	20	17.15	17.41	17.26	18.8	5
15	256QAM	36	39	17.15	17.29	17.12		
15	256QAM	75	0	17.07	17.21	17.21		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	22.12	22.36	22.25		
10	QPSK	1	25	22.06	22.24	22.15	23.8	0
10	QPSK	1	49	22.03	22.21	22.06		
10	QPSK	25	0	21.18	21.26	21.18		
10	QPSK	25	12	21.07	21.27	21.22	22.8	1
10	QPSK	25	25	21.19	21.25	21.12		
10	QPSK	50	0	21.21	21.31	21.15		
10	16QAM	1	0	21.14	21.25	21.21		
10	16QAM	1	25	21.16	21.37	21.10	22.8	1
10	16QAM	1	49	21.19	21.26	21.16		
10	16QAM	25	0	20.15	20.27	20.16		
10	16QAM	25	12	20.21	20.31	20.17	21.8	2
10	16QAM	25	25	20.21	20.33	20.22		
10	16QAM	50	0	20.16	20.31	20.21		
10	64QAM	1	0	20.11	20.41	20.20		
10	64QAM	1	25	20.10	20.34	20.12	21.8	2
10	64QAM	1	49	20.17	20.30	20.13		
10	64QAM	25	0	19.19	19.26	19.17		
10	64QAM	25	12	19.24	19.31	19.21	20.8	3
10	64QAM	25	25	19.14	19.30	19.13		
10	64QAM	50	0	19.09	19.24	19.20		
10	256QAM	1	0	17.16	17.28	17.22		
10	256QAM	1	25	17.11	17.33	17.19	18.8	5
10	256QAM	1	49	17.23	17.27	17.19		
10	256QAM	25	0	17.10	17.33	17.16		
10	256QAM	25	12	17.13	17.29	17.25	18.8	5
10	256QAM	25	25	17.18	17.40	17.12		
10	256QAM	50	0	17.18	17.27	17.21		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	22.17	22.37	22.24		
5	QPSK	1	12	22.03	22.18	22.09	23.8	0
5	QPSK	1	24	22.04	22.16	22.12		
5	QPSK	12	0	21.21	21.23	21.13		
5	QPSK	12	7	21.08	21.29	21.22	22.8	1
5	QPSK	12	13	21.18	21.20	21.18		
5	QPSK	25	0	21.22	21.25	21.17		
5	16QAM	1	0	21.09	21.33	21.20		
5	16QAM	1	12	21.13	21.30	21.15	22.8	1
5	16QAM	1	24	21.21	21.33	21.22		
5	16QAM	12	0	20.14	20.28	20.22		
5	16QAM	12	7	20.26	20.35	20.28	21.8	2
5	16QAM	12	13	20.15	20.23	20.22		
5	16QAM	25	0	20.22	20.38	20.20		
5	64QAM	1	0	20.18	20.39	20.26		
5	64QAM	1	12	20.11	20.36	20.10	21.8	2
5	64QAM	1	24	20.17	20.38	20.13		
5	64QAM	12	0	19.18	19.28	19.24		
5	64QAM	12	7	19.24	19.26	19.24	20.8	3
5	64QAM	12	13	19.14	19.26	19.15		
5	64QAM	25	0	19.10	19.27	19.11		
5	256QAM	1	0	17.16	17.27	17.27		
5	256QAM	1	12	17.11	17.25	17.19	18.8	5
5	256QAM	1	24	17.19	17.21	17.14		
5	256QAM	12	0	17.10	17.30	17.22		
5	256QAM	12	7	17.16	17.34	17.22	18.8	5
5	256QAM	12	13	17.21	17.39	17.21		
5	256QAM	25	0	17.09	17.24	17.21		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	22.12	22.27	22.19		
3	QPSK	1	8	22.07	22.26	22.14	23.8	0
3	QPSK	1	14	22.03	22.14	22.12		
3	QPSK	8	0	21.16	21.30	21.16		
3	QPSK	8	4	21.08	21.27	21.19	22.8	1
3	QPSK	8	7	21.13	21.19	21.18		
3	QPSK	15	0	21.20	21.30	21.17		
3	16QAM	1	0	21.10	21.31	21.20		
3	16QAM	1	8	21.18	21.38	21.14	22.8	1
3	16QAM	1	14	21.25	21.24	21.15		
3	16QAM	8	0	20.17	20.25	20.21		
3	16QAM	8	4	20.17	20.25	20.23	21.8	2
3	16QAM	8	7	20.11	20.27	20.24		
3	16QAM	15	0	20.22	20.33	20.20		
3	64QAM	1	0	20.13	20.35	20.21		
3	64QAM	1	8	20.09	20.37	20.18	21.8	2
3	64QAM	1	14	20.20	20.32	20.23		
3	64QAM	8	0	19.18	19.23	19.25		
3	64QAM	8	4	19.16	19.36	19.16	20.8	3
3	64QAM	8	7	19.20	19.37	19.17		
3	64QAM	15	0	19.13	19.28	19.12		
3	256QAM	1	0	17.18	17.24	17.32		
3	256QAM	1	8	17.14	17.23	17.16	18.8	5
3	256QAM	1	14	17.15	17.33	17.15		
3	256QAM	8	0	17.08	17.28	17.19		
3	256QAM	8	4	17.17	17.35	17.26	18.8	5
3	256QAM	8	7	17.18	17.37	17.12		
3	256QAM	15	0	17.13	17.22	17.16		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	22.11	22.34	22.15		
1.4	QPSK	1	3	22.22	22.26	22.21		
1.4	QPSK	1	5	22.16	22.25	22.15	23.8	0
1.4	QPSK	3	0	22.15	22.28	22.25		
1.4	QPSK	3	1	22.22	22.25	22.15		
1.4	QPSK	3	3	22.13	22.36	22.25		
1.4	QPSK	6	0	21.28	21.46	21.33	22.8	1
1.4	16QAM	1	0	21.27	21.42	21.33		
1.4	16QAM	1	3	21.31	21.43	21.28		
1.4	16QAM	1	5	21.23	21.42	21.28	22.8	1
1.4	16QAM	3	0	21.29	21.38	21.30		
1.4	16QAM	3	1	21.25	21.47	21.26		
1.4	16QAM	3	3	21.23	21.45	21.30		
1.4	16QAM	6	0	20.26	20.41	20.25	21.8	2
1.4	64QAM	1	0	20.28	20.36	20.29		
1.4	64QAM	1	3	20.21	20.41	20.35		
1.4	64QAM	1	5	20.31	20.39	20.30	21.8	2
1.4	64QAM	3	0	20.26	20.43	20.35		
1.4	64QAM	3	1	20.30	20.39	20.32		
1.4	64QAM	3	3	20.24	20.43	20.32		
1.4	64QAM	6	0	19.27	19.44	19.34	20.8	3
1.4	256QAM	1	0	17.28	17.42	17.26		
1.4	256QAM	1	3	17.30	17.47	17.36		
1.4	256QAM	1	5	17.22	17.40	17.34	18.8	5
1.4	256QAM	3	0	17.31	17.36	17.35		
1.4	256QAM	3	1	17.29	17.43	17.33		
1.4	256QAM	3	3	17.31	17.41	17.33		
1.4	256QAM	6	0	17.22	17.45	17.32	18.8	5

Band 4 Ant6 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	22.54	22.62	22.59		
20	QPSK	1	49	22.46	22.59	22.55	23.9	0
20	QPSK	1	99	22.40	22.58	22.53		
20	QPSK	50	0	21.52	21.67	21.64		
20	QPSK	50	24	21.45	21.59	21.53	22.9	1
20	QPSK	50	50	21.40	21.56	21.51		
20	QPSK	100	0	21.53	21.64	21.61		
20	16QAM	1	0	21.50	21.63	21.56		
20	16QAM	1	49	21.43	21.62	21.56	22.9	1
20	16QAM	1	99	21.45	21.63	21.52		
20	16QAM	50	0	20.49	20.70	20.69		
20	16QAM	50	24	20.47	20.59	20.51	21.9	2
20	16QAM	50	50	20.36	20.62	20.51		
20	16QAM	100	0	20.48	20.69	20.56		
20	64QAM	1	0	20.53	20.63	20.57		
20	64QAM	1	49	20.42	20.57	20.58	21.9	2
20	64QAM	1	99	20.44	20.61	20.54		
20	64QAM	50	0	19.53	19.69	19.61		
20	64QAM	50	24	19.42	19.63	19.47	20.9	3
20	64QAM	50	50	19.43	19.59	19.52		
20	64QAM	100	0	19.54	19.58	19.66		
20	256QAM	1	0	17.50	17.72	17.68		
20	256QAM	1	49	17.49	17.54	17.58	18.9	5
20	256QAM	1	99	17.41	17.61	17.48		
20	256QAM	50	0	17.58	17.61	17.60		
20	256QAM	50	24	17.48	17.69	17.53	18.9	5
20	256QAM	50	50	17.44	17.57	17.53		
20	256QAM	100	0	17.50	17.66	17.47		
Channel				20025	20175		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	22.49	22.59	22.54		
15	QPSK	1	37	22.35	22.54	22.52	23.9	0
15	QPSK	1	74	22.35	22.53	22.44		
15	QPSK	36	0	21.41	21.62	21.60		
15	QPSK	36	20	21.41	21.50	21.42	22.9	1
15	QPSK	36	39	21.36	21.49	21.44		
15	QPSK	75	0	21.41	21.53	21.57		
15	16QAM	1	0	21.36	21.57	21.42		
15	16QAM	1	37	21.39	21.51	21.48	22.9	1
15	16QAM	1	74	21.36	21.60	21.48		
15	16QAM	36	0	20.40	20.56	20.63		
15	16QAM	36	20	20.41	20.46	20.38	21.9	2
15	16QAM	36	39	20.32	20.58	20.47		
15	16QAM	75	0	20.46	20.66	20.51		
15	64QAM	1	0	20.46	20.49	20.46		
15	64QAM	1	37	20.38	20.53	20.44	21.9	2
15	64QAM	1	74	20.37	20.53	20.43		
15	64QAM	36	0	19.42	19.57	19.55		
15	64QAM	36	20	19.31	19.54	19.44	20.9	3
15	64QAM	36	39	19.39	19.56	19.41		
15	64QAM	75	0	19.42	19.52	19.59		
15	256QAM	1	0	17.41	17.60	17.64		
15	256QAM	1	37	17.37	17.48	17.53	18.9	5
15	256QAM	1	74	17.36	17.57	17.38		
15	256QAM	36	0	17.51	17.57	17.47		
15	256QAM	36	20	17.37	17.56	17.49	18.9	5
15	256QAM	36	39	17.39	17.53	17.40		
15	256QAM	75	0	17.39	17.59	17.41		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	22.49	22.59	22.50		
10	QPSK	1	25	22.35	22.56	22.53	23.9	0
10	QPSK	1	49	22.37	22.46	22.39		
10	QPSK	25	0	21.38	21.60	21.62		
10	QPSK	25	12	21.43	21.46	21.43	22.9	1
10	QPSK	25	25	21.31	21.48	21.46		
10	QPSK	50	0	21.40	21.57	21.54		
10	16QAM	1	0	21.38	21.52	21.45		
10	16QAM	1	25	21.31	21.59	21.46	22.9	1
10	16QAM	1	49	21.33	21.57	21.45		
10	16QAM	25	0	20.44	20.68	20.59		
10	16QAM	25	12	20.41	20.52	20.38	21.9	2
10	16QAM	25	25	20.31	20.60	20.46		
10	16QAM	50	0	20.38	20.62	20.50		
10	64QAM	1	0	20.51	20.51	20.52		
10	64QAM	1	25	20.30	20.44	20.48	21.9	2
10	64QAM	1	49	20.41	20.51	20.41		
10	64QAM	25	0	19.50	19.63	19.58		
10	64QAM	25	12	19.29	19.55	19.43	20.9	3
10	64QAM	25	25	19.32	19.56	19.40		
10	64QAM	50	0	19.46	19.45	19.62		
10	256QAM	1	0	17.43	17.69	17.56		
10	256QAM	1	25	17.39	17.48	17.51	18.9	5
10	256QAM	1	49	17.28	17.58	17.44		
10	256QAM	25	0	17.55	17.52	17.50		
10	256QAM	25	12	17.38	17.56	17.41	18.9	5
10	256QAM	25	25	17.33	17.49	17.40		
10	256QAM	50	0	17.41	17.56	17.37		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	22.44	22.57	22.48		
5	QPSK	1	12	22.43	22.53	22.52	23.9	0
5	QPSK	1	24	22.28	22.53	22.43		
5	QPSK	12	0	21.48	21.62	21.60		
5	QPSK	12	7	21.32	21.50	21.49	22.9	1
5	QPSK	12	13	21.28	21.54	21.46		
5	QPSK	25	0	21.45	21.60	21.55		
5	16QAM	1	0	21.44	21.60	21.52		
5	16QAM	1	12	21.40	21.56	21.43	22.9	1
5	16QAM	1	24	21.41	21.56	21.42		
5	16QAM	12	0	20.44	20.65	20.61		
5	16QAM	12	7	20.44	20.48	20.40	21.9	2
5	16QAM	12	13	20.27	20.49	20.40		
5	16QAM	25	0	20.43	20.57	20.44		
5	64QAM	1	0	20.40	20.59	20.47		
5	64QAM	1	12	20.35	20.47	20.47	21.9	2
5	64QAM	1	24	20.42	20.53	20.50		
5	64QAM	12	0	19.41	19.62	19.53		
5	64QAM	12	7	19.38	19.54	19.38	20.9	3
5	64QAM	12	13	19.34	19.52	19.40		
5	64QAM	25	0	19.48	19.50	19.56		
5	256QAM	1	0	17.39	17.60	17.62		
5	256QAM	1	12	17.39	17.48	17.50	18.9	5
5	256QAM	1	24	17.27	17.50	17.35		
5	256QAM	12	0	17.56	17.51	17.47		
5	256QAM	12	7	17.34	17.65	17.46	18.9	5
5	256QAM	12	13	17.32	17.53	17.44		
5	256QAM	25	0	17.43	17.57	17.45		
Channel				19950	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	22.52	22.60	22.56		
3	QPSK	1	8	22.33	22.48	22.42	23.9	0
3	QPSK	1	14	22.31	22.52	22.39		
3	QPSK	8	0	21.49	21.61	21.62		
3	QPSK	8	4	21.33	21.57	21.44	22.9	1
3	QPSK	8	7	21.33	21.43	21.48		
3	QPSK	15	0	21.49	21.52	21.50		
3	16QAM	1	0	21.44	21.51	21.48		
3	16QAM	1	8	21.32	21.52	21.51	22.9	1
3	16QAM	1	14	21.32	21.59	21.46		
3	16QAM	8	0	20.39	20.65	20.64		
3	16QAM	8	4	20.35	20.55	20.38	21.9	2
3	16QAM	8	7	20.28	20.57	20.47		
3	16QAM	15	0	20.35	20.58	20.45		
3	64QAM	1	0	20.49	20.56	20.51		
3	64QAM	1	8	20.34	20.46	20.47	21.9	2
3	64QAM	1	14	20.40	20.56	20.45		
3	64QAM	8	0	19.43	19.57	19.59		
3	64QAM	8	4	19.37	19.56	19.35	20.9	3
3	64QAM	8	7	19.37	19.57	19.42		
3	64QAM	15	0	19.41	19.49	19.58		
3	256QAM	1	0	17.36	17.59	17.60		
3	256QAM	1	8	17.44	17.42	17.48	18.9	5
3	256QAM	1	14	17.32	17.56	17.44		
3	256QAM	8	0	17.45	17.49	17.51		
3	256QAM	8	4	17.42	17.63	17.47	18.9	5
3	256QAM	8	7	17.35	17.45	17.45		
3	256QAM	15	0	17.46	17.57	17.39		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	22.51	22.60	22.46		
1.4	QPSK	1	3	22.34	22.51	22.49		
1.4	QPSK	1	5	22.32	22.55	22.41	23.9	0
1.4	QPSK	3	0	22.39	22.56	22.40		
1.4	QPSK	3	1	22.31	22.41	22.44		
1.4	QPSK	3	3	22.23	22.50	22.30		
1.4	QPSK	6	0	21.51	21.54	21.53	22.9	1
1.4	16QAM	1	0	21.42	21.56	21.45		
1.4	16QAM	1	3	21.30	21.56	21.52		
1.4	16QAM	1	5	21.36	21.57	21.45	22.9	1
1.4	16QAM	3	0	21.39	21.52	21.44		
1.4	16QAM	3	1	21.32	21.46	21.39		
1.4	16QAM	3	3	21.16	21.49	21.43		
1.4	16QAM	6	0	20.39	20.55	20.49	21.9	2
1.4	64QAM	1	0	20.50	20.60	20.50		
1.4	64QAM	1	3	20.31	20.54	20.51		
1.4	64QAM	1	5	20.32	20.49	20.50	21.9	2
1.4	64QAM	3	0	20.28	20.44	20.42		
1.4	64QAM	3	1	20.45	20.52	20.47		
1.4	64QAM	3	3	20.22	20.50	20.46		
1.4	64QAM	6	0	19.51	19.48	19.61	20.9	3
1.4	256QAM	1	0	17.44	17.68	17.56		
1.4	256QAM	1	3	17.35	17.43	17.53		
1.4	256QAM	1	5	17.38	17.58	17.38	18.9	5
1.4	256QAM	3	0	17.53	17.58	17.55		
1.4	256QAM	3	1	17.42	17.60	17.50		
1.4	256QAM	3	3	17.40	17.45	17.49		
1.4	256QAM	6	0	17.41	17.54	17.44	18.9	5

Band 7 Ant6 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.17	24.24	24.20		
20	QPSK	1	49	24.06	24.18	24.18	25.5	0
20	QPSK	1	99	24.08	24.16	24.11		
20	QPSK	50	0	23.12	23.27	23.15		
20	QPSK	50	24	23.04	23.21	23.15	24.5	1
20	QPSK	50	50	23.08	23.20	23.10		
20	QPSK	100	0	23.15	23.26	23.16		
20	16QAM	1	0	23.15	23.22	23.15		
20	16QAM	1	49	23.05

Band 25 Ant6 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	21.71	21.84	21.68	23.3	0
20	QPSK	1	49	21.60	21.73	21.55		
20	QPSK	1	99	21.50	21.61	21.59		
20	QPSK	50	0	20.61	20.77	20.69	22.3	1
20	QPSK	50	24	20.58	20.72	20.72		
20	QPSK	50	50	20.63	20.73	20.64		
20	QPSK	100	0	20.72	20.75	20.64		
20	16QAM	1	0	20.69	20.76	20.71	22.3	1
20	16QAM	1	49	20.71	20.81	20.63		
20	16QAM	1	99	20.69	20.79	20.71		
20	16QAM	50	0	19.74	19.73	19.66	21.3	2
20	16QAM	50	24	19.71	19.75	19.68		
20	16QAM	50	50	19.66	19.83	19.73		
20	16QAM	100	0	19.66	19.80	19.66		
20	64QAM	1	0	19.65	19.86	19.67	21.3	2
20	64QAM	1	49	19.64	19.81	19.70		
20	64QAM	1	99	19.72	19.78	19.68		
20	64QAM	50	0	18.59	18.73	18.69	20.3	3
20	64QAM	50	24	18.71	18.79	18.67		
20	64QAM	50	50	18.73	18.81	18.67		
20	64QAM	100	0	18.59	18.74	18.71		
20	256QAM	1	0	16.68	16.84	16.80	18.3	5
20	256QAM	1	49	16.65	16.73	16.66		
20	256QAM	1	99	16.68	16.80	16.68		
20	256QAM	50	0	16.68	16.78	16.73	18.3	5
20	256QAM	50	24	16.63	16.81	16.75		
20	256QAM	50	50	16.65	16.82	16.65		
20	256QAM	100	0	16.60	16.71	16.67		
Channel				26115	0.19	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	21.64	21.73	21.53	23.3	0
15	QPSK	1	37	21.46	21.65	21.45		
15	QPSK	1	74	21.39	21.47	21.53		
15	QPSK	36	0	20.48	20.71	20.56	22.3	1
15	QPSK	36	20	20.43	20.64	20.60		
15	QPSK	36	39	20.49	20.63	20.50		
15	QPSK	75	0	20.66	20.69	20.55		
15	16QAM	1	0	20.64	20.67	20.57	22.3	1
15	16QAM	1	37	20.64	20.66	20.56		
15	16QAM	1	74	20.60	20.72	20.64		
15	16QAM	36	0	19.58	19.61	19.57	21.3	2
15	16QAM	36	20	19.56	19.62	19.52		
15	16QAM	36	39	19.55	19.71	19.67		
15	16QAM	75	0	19.59	19.70	19.62		
15	64QAM	1	0	19.50	19.81	19.54	21.3	2
15	64QAM	1	37	19.55	19.74	19.59		
15	64QAM	1	74	19.60	19.66	19.63		
15	64QAM	36	0	18.48	18.62	18.55	20.3	3
15	64QAM	36	20	18.55	18.66	18.58		
15	64QAM	36	39	18.61	18.66	18.59		
15	64QAM	75	0	18.50	18.67	18.58		
15	256QAM	1	0	16.60	16.75	16.64	18.3	5
15	256QAM	1	37	16.58	16.64	16.56		
15	256QAM	1	74	16.59	16.74	16.54		
15	256QAM	36	0	16.60	16.66	16.65	18.3	5
15	256QAM	36	20	16.59	16.70	16.68		
15	256QAM	36	39	16.56	16.77	16.58		
15	256QAM	75	0	16.48	16.60	16.51		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	21.66	21.75	21.63	23.3	0
10	QPSK	1	25	21.44	21.65	21.50		
10	QPSK	1	49	21.35	21.47	21.47		
10	QPSK	25	0	20.49	20.71	20.63	22.3	1
10	QPSK	25	12	20.44	20.59	20.59		
10	QPSK	25	25	20.52	20.66	20.54		
10	QPSK	50	0	20.61	20.63	20.60		
10	16QAM	1	0	20.53	20.63	20.66	22.3	1
10	16QAM	1	25	20.63	20.72	20.50		
10	16QAM	1	49	20.55	20.63	20.60		
10	16QAM	25	0	19.62	19.64	19.54	21.3	2
10	16QAM	25	12	19.63	19.69	19.63		
10	16QAM	25	25	19.51	19.77	19.61		
10	16QAM	50	0	19.61	19.75	19.52		
10	64QAM	1	0	19.52	19.82	19.61	21.3	2
10	64QAM	1	25	19.53	19.65	19.59		
10	64QAM	1	49	19.64	19.66	19.64		
10	64QAM	25	0	18.48	18.69	18.55	20.3	3
10	64QAM	25	12	18.59	18.68	18.62		
10	64QAM	25	25	18.63	18.74	18.62		
10	64QAM	50	0	18.52	18.63	18.62		
10	256QAM	1	0	16.61	16.75	16.75	18.3	5
10	256QAM	1	25	16.51	16.63	16.50		
10	256QAM	1	49	16.60	16.73	16.63		
10	256QAM	25	0	16.56	16.71	16.62	18.3	5
10	256QAM	25	12	16.49	16.76	16.70		
10	256QAM	25	25	16.50	16.71	16.59		
10	256QAM	50	0	16.46	16.67	16.62		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	21.66	21.72	21.52	23.3	0
5	QPSK	1	12	21.53	21.57	21.45		
5	QPSK	1	24	21.42	21.48	21.50		
5	QPSK	12	0	20.51	20.72	20.65	22.3	1
5	QPSK	12	7	20.44	20.66	20.67		
5	QPSK	12	13	20.58	20.65	20.53		
5	QPSK	25	0	20.56	20.69	20.51		
5	16QAM	1	0	20.56	20.67	20.57	22.3	1
5	16QAM	1	12	20.61	20.74	20.56		
5	16QAM	1	24	20.57	20.73	20.60		
5	16QAM	12	0	19.60	19.67	19.59	21.3	2
5	16QAM	12	7	19.66	19.66	19.58		
5	16QAM	12	13	19.57	19.77	19.62		
5	16QAM	25	0	19.55	19.69	19.54		
5	64QAM	1	0	19.61	19.71	19.52	21.3	2
5	64QAM	1	12	19.56	19.72	19.60		
5	64QAM	1	24	19.60	19.64	19.54		
5	64QAM	12	0	18.44	18.57	18.61	20.3	3
5	64QAM	12	7	18.62	18.67	18.56		
5	64QAM	12	13	18.68	18.69	18.58		
5	64QAM	25	0	18.44	18.61	18.59		
5	256QAM	1	0	16.54	16.72	16.76	18.3	5
5	256QAM	1	12	16.56	16.69	16.55		
5	256QAM	1	24	16.62	16.67	16.54		
5	256QAM	12	0	16.52	16.65	16.60	18.3	5
5	256QAM	12	7	16.51	16.70	16.64		
5	256QAM	12	13	16.53	16.68	16.50		
5	256QAM	25	0	16.47	16.57	16.54		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	21.67	21.69	21.62	23.3	0
3	QPSK	1	8	21.55	21.67	21.39		
3	QPSK	1	14	21.42	21.54	21.51		
3	QPSK	8	0	20.45	20.61	20.61	22.3	1
3	QPSK	8	4	20.53	20.62	20.63		
3	QPSK	8	7	20.57	20.68	20.53		
3	QPSK	15	0	20.59	20.66	20.48		
3	16QAM	1	0	20.55	20.70	20.57	22.3	1
3	16QAM	1	8	20.63	20.73	20.59		
3	16QAM	1	14	20.56	20.71	20.66		
3	16QAM	8	0	19.63	19.60	19.52	21.3	2
3	16QAM	8	4	19.67	19.66	19.61		
3	16QAM	8	7	19.59	19.76	19.67		
3	16QAM	15	0	19.51	19.70	19.54		
3	64QAM	1	0	19.50	19.78	19.53	21.3	2
3	64QAM	1	8	19.48	19.75	19.60		
3	64QAM	1	14	19.67	19.65	19.57		
3	64QAM	8	0	18.48	18.67	18.57	20.3	3
3	64QAM	8	4	18.64	18.64	18.57		
3	64QAM	8	7	18.65	18.67	18.55		
3	64QAM	15	0	18.47	18.64	18.63		
3	256QAM	1	0	16.59	16.77	16.65	18.3	5
3	256QAM	1	8	16.57	16.65	16.50		
3	256QAM	1	14	16.59	16.67	16.53		
3	256QAM	8	0	16.60	16.70	16.61	18.3	5
3	256QAM	8	4	16.53	16.77	16.59		
3	256QAM	8	7	16.58	16.74	16.59		
3	256QAM	15	0	16.46	16.60	16.59		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	21.59	21.71	21.55	23.3	0
1.4	QPSK	1	3	21.60	21.73	21.52		
1.4	QPSK	1	5	21.65	21.77	21.53		
1.4	QPSK	3	0	21.63	21.77	21.58		
1.4	QPSK	3	1	21.56	21.72	21.59		
1.4	QPSK	3	3	21.59	21.71	21.58		
1.4	QPSK	6	0	20.68	20.81	20.68	22.3	1
1.4	16QAM	1	0	20.76	20.78	20.67	22.3	1
1.4	16QAM	1	3	20.71	20.88	20.72		
1.4	16QAM	1	5	20.75	20.90	20.67		
1.4	16QAM	3	0	20.74	20.80	20.69		
1.4	16QAM	3	1	20.69	20.82	20.67		
1.4	16QAM	3	3	20.70	20.84	20.70		
1.4	16QAM	6	0	19.66	19.84	19.73	21.3	2
1.4	64QAM	1	0	19.66	19.84	19.71	21.3	2
1.4	64QAM	1	3	19.71	19.86	19.73		
1.4	64QAM	1	5	19.66	19.87	19.70		
1.4	64QAM	3	0	19.75	19.81	19.73		
1.4	64QAM	3	1	19.68	19.81	19.66		
1.4	64QAM	3	3	19.77	19.83	19.67		
1.4	64QAM	6	0	18.72	18.87	18.66	20.3	3
1.4	256QAM	1	0	16.71	16.82	16.63	18.3	5
1.4	256QAM	1	3	16.74	16.80	16.74		
1.4	256QAM	1	5	16.68	16.88	16.74		
1.4	256QAM	3	0	16.65	16.80	16.70		
1.4	256QAM	3	1	16.76	16.79	16.71		
1.4	256QAM	3	3	16.69	16.83	16.67		
1.4	256QAM	6	0	16.71	16.83	16.67	18.3	5

Band 66 Ant6 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	22.61	22.64	22.60	24.1	0
20	QPSK	1	49	22.54	22.59	22.53		
20	QPSK	1	99	22.51	22.57	22.46		
20	QPSK	50	0	21.62	21.68	21.64	23.1	1
20	QPSK	50	24	21.50	21.57	21.58		
20	QPSK	50	50	21.52	21.56	21.48		
20	QPSK	100	0	21.65	21.67	21.59		
20	16QAM	1	0	21.62	21.64	21.65	23.1	1
20	16QAM	1	49	21.51	21.56	21.47		
20	16QAM	1	99	21.55	21.57	21.42		
20	16QAM	50	0	20.60	20.69	20.66	22.1	2
20	16QAM	50	24	20.48	20.51	20.56		
20	16QAM	50	50	20.57	20.52	20.52		
20	16QAM	100	0	20.70	20.67	20.62		
20	64QAM	1	0	20.66	20.63	20.68	22.1	2
20	64QAM	1	49	20.47	20.59	20.46		
20	64QAM	1	99	20.60	20.60	20.47		
20	64QAM	50	0	19.61	19.72	19.62	21.1	3
20	64QAM	50	24	19.46	19.54	19.60		
20	64QAM	50	50	19.49	19.59	19.54		
20	64QAM	100	0	19.70	19.62	19.64		
20	256QAM	1	0	17.57	17.64	17.69	19.1	5
20	256QAM	1	49	17.51	17.60	17.57		
20	256QAM	1	99	17.47	17.61	17.45		
20	256QAM	50	0	17.63	17.62	17.57	19.1	5
20	256QAM	50	24	17.65	17.59	17.69		
20	256QAM	50	50	17.47	17.55	17.46		
20	256QAM	100	0	17.54	17.58	17.42		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	22.53	22.53	22.50	24.1	0
15	QPSK	1	37	22.50	22.53	22.45		
15	QPSK	1	74	22.39	22.46	22.37		
15	QPSK	36	0	21.54	21.59	21.51	23.1	1
15	QPSK	36	20	21.40	21.50	21.50		
15	QPSK	36	39	21.38	21.53	21.36		
15	QPSK	75	0	21.61	21.58	21.46		
15	16QAM	1	0	21.52	21.61	21.60	23.1	1
15	16QAM	1	37	21.47	21.43	21.44		
15	16QAM	1	74	21.41	21.45	21.31		
15	16QAM	36	0	20.50	20.61	20.58	22.1	2
15	16QAM	36	20	20.45	20.43	20.50		
15	16QAM	36	39	20.51	20.40	20.42		
15	16QAM	75	0	20.67	20.56	20.52		
15	64QAM	1	0	20.62	20.57	20.63	22.1	2
15	64QAM	1	37	20.39	20.45	20.44		
15	64QAM	1	74	20.53	20.55	20.37		
15	64QAM	36	0	19.51	19.60	19.57	21.1	3
15	64QAM	36	20	19.36	19.42	19.57		
15	64QAM	36	39	19.39	19.47	19.43		
15	64QAM	75	0	19.59	19.59	19.51		
15	256QAM	1	0	17.45	17.52	17.59	19.1	5
15	256QAM	1	37	17.45	17.50	17.51		
15	256QAM	1	74	17.45	17.58	17.38		
15	256QAM	36	0	17.54	17.52	17.48	19.1	5
15	256QAM	36	20	17.53	17.51	17.60		
15	256QAM	36	39	17.37	17.52	17.44		
15	256QAM	75	0	17.45	17.45	17.33		
Channel				132090	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	22.48	22.60	22.52	24.1	0
10	QPSK	1	25	22.41	22.54	22.39		
10	QPSK	1	49	22.47	22.43	22.43		
10	QPSK	25	0	21.48	21.66	21.53	23.1	1
10	QPSK	25	12	21.46	21.51	21.50		
10	QPSK	25	25	21.42	21.49	21.44		
10	QPSK	50	0	21.62	21.58	21.48		
10	16QAM	1	0	21.53	21.60	21.55	23.1	1
10	16QAM	1	25	21.41	21.49	21.36		
10	16QAM	1	49	21.51	21.44	21.30		
10	16QAM	25	0	20.47	20.58	20.61	22.1	2
10	16QAM	25	12	20.37	20.42	20.45		
10	16QAM	25	25	20.48	20.43	20.44		
10	16QAM	50	0	20.66	20.58	20.49		
10	64QAM	1	0	20.58	20.57	20.63	22.1	2
10	64QAM	1	25	20.44	20.54	20.36		
10	64QAM	1	49	20.51	20.50	20.37		
10	64QAM	25	0	19.55	19.64	19.55	21.1	3
10	64QAM	25	12	19.33	19.48	19.48		
10	64QAM	25	25	19.37	19.56	19.45		
10	64QAM	50	0	19.60	19.57	19.53	19.1	5
10	256QAM	1	0	17.49	17.50	17.65		
10	256QAM	1	25	17.38	17.57	17.53		
10	256QAM	1	49	17.44	17.54	17.34		
10	256QAM	25	0	17.56	17.50	17.51	19.1	5
10	256QAM	25	12	17.54	17.52	17.58		
10	256QAM	25	25	17.42	17.41	17.35		
10	256QAM	50	0	17.47	17.49	17.31		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	22.49	22.61	22.53	24.1	0
5	QPSK	1	12	22.43	22.56	22.50		
5	QPSK	1	24	22.38	22.43	22.41		
5	QPSK	12	0	21.51	21.55	21.59	23.1	1
5	QPSK	12	7	21.44	21.50	21.52		
5	QPSK	12	13	21.42	21.42	21.45		
5	QPSK	25	0	21.58	21.62	21.51		
5	16QAM	1	0	21.59	21.51	21.58	23.1	1
5	16QAM	1	12	21.40	21.44	21.38		
5	16QAM	1	24	21.52	21.45	21.30		
5	16QAM	12	0	20.47	20.58	20.63	22.1	2
5	16QAM	12	7	20.41	20.43	20.43		
5	16QAM	12	13	20.54	20.48	20.42		
5	16QAM	25	0	20.63	20.65	20.50		
5	64QAM	1	0	20.56	20.56	20.56	22.1	2
5	64QAM	1	12	20.41	20.48	20.44		
5	64QAM	1	24	20.57	20.48	20.33		
5	64QAM	12	0	19.48	19.64	19.49	21.1	3
5	64QAM	12	7	19.42	19.41	19.54		
5	64QAM	12	13	19.40	19.54	19.46		
5	64QAM	25	0	19.58	19.53	19.51		
5	256QAM	1	0	17.53	17.50	17.57	19.1	5
5	256QAM	1	12	17.45	17.56	17.53		
5	256QAM	1	24	17.37	17.51	17.36		
5	256QAM	12	0	17.51	17.57	17.51	19.1	5
5	256QAM	12	7	17.57	17.56	17.59		
5	256QAM	12	13	17.45	17.48	17.35		
5	256QAM	25	0	17.41	17.55	17.33		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	22.55	22.52	22.46	24.1	0
3	QPSK	1	8	22.45	22.51	22.41		
3	QPSK	1	14	22.48	22.49	22.34		
3	QPSK	8	0	21.57	21.56	21.56	23.1	1
3	QPSK	8	4	21.41	21.47	21.48		
3	QPSK	8	7	21.42	21.47	21.46		
3	QPSK	15	0	21.62	21.63	21.48		
3	16QAM	1	0	21.50	21.54	21.58	23.1	1
3	16QAM	1	8	21.48	21.48	21.37		
3	16QAM	1	14	21.50	21.47	21.34		
3	16QAM	8	0	20.49	20.65	20.62	22.1	2
3	16QAM	8	4	20.39	20.42	20.48		
3	16QAM	8	7	20.54	20.41	20.46		
3	16QAM	15	0	20.57	20.63	20.57		
3	64QAM	1	0	20.53	20.59	20.65	22.1	2
3	64QAM	1	8	20.41	20.46	20.35		
3	64QAM	1	14	20.51	20.48	20.40		
3	64QAM	8	0	19.50	19.64	19.51	21.1	3
3	64QAM	8	4	19.38	19.48	19.58		
3	64QAM	8	7	19.40	19.52	19.49		
3	64QAM	15	0	19.64	19.56	19.53		
3	256QAM	1	0	17.51	17.59	17.62	19.1	5
3	256QAM	1	8	17.41	17.58	17.49		
3	256QAM	1	14	17.43	17.59	17.36		
3	256QAM	8	0	17.55	17.51	17.52	19.1	5
3	256QAM	8	4	17.60	17.56	17.63		
3	256QAM	8	7	17.40	17.52	17.39		
3	256QAM	15	0	17.42	17.48	17.31		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	22.51	22.60	22.51	24.1	0
1.4	QPSK	1	3	22.48	22.54	22.42		
1.4	QPSK	1	5	22.41	22.53	22.43		
1.4	QPSK	3	0	22.45	22.57	22.44		
1.4	QPSK	3	1	22.43	22.48	22.39		
1.4	QPSK	3	3	22.36	22.46	22.31		
1.4	QPSK	6	0	21.53	21.63	21.56	23.1	1
1.4	16QAM	1	0	21.51	21.54	21.59	23.1	1
1.4	16QAM	1	3	21.46	21.43	21.43		
1.4	16QAM	1	5	21.52	21.45	21.34		
1.4	16QAM	3	0	21.43	21.53	21.44		
1.4	16QAM	3	1	21.47	21.48	21.46		
1.4	16QAM	3	3	21.34	21.33	21.41		
1.4	16QAM	6	0	20.66	20.57	20.54	22.1	2
1.4	64QAM	1	0	20.54	20.58	20.64	22.1	2
1.4	64QAM	1	3	20.41	20.49	20.34		
1.4	64QAM	1	5	20.47	20.48	20.36		
1.4	64QAM	3	0	20.57	20.51	20.48		
1.4	64QAM	3	1	20.47	20.54	20.56		
1.4	64QAM	3	3	20.31	20.44	20.30		
1.4	64QAM	6	0	19.68	19.54	19.52	21.1	3
1.4	256QAM	1	0	17.45	17.57	17.63	19.1	5
1.4	256QAM	1	3	17.43	17.52	17.45		
1.4	256QAM	1	5	17.41	17.49	17.40		
1.4	256QAM	3	0	17.52	17.54	17.45		
1.4	256QAM	3	1	17.60	17.46	17.57		
1.4	256QAM	3	3	17.43	17.49	17.40		
1.4	256QAM	6	0	17.40	17.50	17.40	19.1	5

Band 38 Ant6 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.98	24.04	24.00	25.5	0
20	QPSK	1	49	23.95	24.01	23.96		
20	QPSK	1	99	23.94	24.00	23.95		
20	QPSK	50	0	22.99	23.09	22.97	24.5	1
20	QPSK	50	24	23.01	23.03	22.94		
20	QPSK	50	50	22.97	23.05	22.93		
20	QPSK	100	0	22.98	23.04	22.99		
20	16QAM	1	0	23.02	23.03	23.05	24.5	1
20	16QAM	1	49	23.01	22.96	22.99		
20	16QAM	1	99	22.95	23.01	22.94		
20	16QAM	50	0	22.04	22.08	21.92	23.5	2
20	16QAM	50	24	21.95	22.01	21.97		
20	16QAM	50	50	21.95	22.02	21.90		
20	16QAM	100	0	21.95	22.07	21.97		
20	64QAM	1	0	22.00	21.98	22.11	23.5	2
20	64QAM	1	49	21.98	21.94	22.03		
20	64QAM	1	99	21.90	21.98	21.92		
20	64QAM	50	0	20.97	21.04	20.93	22.5	3
20	64QAM	50	24	21.04	21.02	20.99		
20	64QAM	50	50	20.99	21.06	20.90		
20	64QAM	100	0	21.02	21.03	21.00		
20	256QAM	1	0	19.01	19.10	19.02	20.5	5
20	256QAM	1	49	19.01	18.98	18.94		
20	256QAM	1	99	18.99	19.11	18.96		
20	256QAM	50	0	19.02	19.02	18.96	20.5	5
20	256QAM	50	24	19.07	19.09	19.01		
20	256QAM	50	50	18.96	18.95	18.98		
20	256QAM	100	0	18.92	19.06	18.88		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.91	23.90	23.90	25.5	0
15	QPSK	1	37	23.85	23.91	23.89		
15	QPSK	1	74	23.89	23.94	23.91		
15	QPSK	36	0	22.96	22.97	22.91	24.5	1
15	QPSK	36	20	22.93	22.94	22.85		
15	QPSK	36	39	22.87	23.02	22.80		
15	QPSK	75	0	22.92	22.97	22.88		
15	16QAM	1	0	22.91	22.99	22.95	24.5	1
15	16QAM	1	37	22.92	22.90	22.93		
15	16QAM	1	74	22.82	22.88	22.81		
15	16QAM	36	0	21.92	22.02	21.87	23.5	2
15	16QAM	36	20	21.86	21.89	21.88		
15	16QAM	36	39	21.81	21.96	21.82		
15	16QAM	75	0	21.89	21.94	21.93		
15	64QAM	1	0	21.89	21.92	22.02	23.5	2
15	64QAM	1	37	21.95	21.85	21.96		
15	64QAM	1	74	21.84	21.87	21.84		
15	64QAM	36	0	20.85	20.99	20.80	22.5	3
15	64QAM	36	20	20.93	20.89	20.94		
15	64QAM	36	39	20.85	20.98	20.82		
15	64QAM	75	0	20.98	20.89	20.88		
15	256QAM	1	0	18.98	18.97	18.97	20.5	5
15	256QAM	1	37	18.95	18.93	18.90		
15	256QAM	1	74	18.96	19.04	18.93		
15	256QAM	36	0	18.96	18.92	18.87	20.5	5
15	256QAM	36	20	19.05	18.97	18.89		
15	256QAM	36	39	18.83	18.92	18.94		
15	256QAM	75	0	18.89	19.04	18.79		
Channel				37800	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.89	24.01	23.88	25.5	0
10	QPSK	1	25	23.87	23.94	23.92		
10	QPSK	1	49	23.87	23.92	23.87		
10	QPSK	25	0	22.95	22.98	22.90	24.5	1
10	QPSK	25	12	22.93	22.95	22.81		
10	QPSK	25	25	22.89	22.95	22.79		
10	QPSK	50	0	22.90	22.91	22.91	24.5	1
10	16QAM	1	0	22.93	22.97	22.91		
10	16QAM	1	25	22.91	22.90	22.89		
10	16QAM	1	49	22.87	22.95	22.88		
10	16QAM	25	0	21.97	22.04	21.87	23.5	2
10	16QAM	25	12	21.82	21.94	21.88		
10	16QAM	25	25	21.91	21.95	21.78		
10	16QAM	50	0	21.88	22.01	21.93		
10	64QAM	1	0	21.97	21.93	22.03	23.5	2
10	64QAM	1	25	21.94	21.87	22.00		
10	64QAM	1	49	21.76	21.92	21.87		
10	64QAM	25	0	20.94	20.95	20.84	22.5	3
10	64QAM	25	12	20.94	20.94	20.86		
10	64QAM	25	25	20.86	21.00	20.85		
10	64QAM	50	0	20.90	20.94	20.96		
10	256QAM	1	0	18.98	19.04	19.00	20.5	5
10	256QAM	1	25	18.92	18.85	18.88		
10	256QAM	1	49	18.96	18.98	18.91		
10	256QAM	25	0	18.89	18.95	18.85	20.5	5
10	256QAM	25	12	18.93	19.03	18.91		
10	256QAM	25	25	18.88	18.87	18.94		
10	256QAM	50	0	18.81	18.93	18.83		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.95	23.97	23.86	25.5	0
5	QPSK	1	12	23.90	23.95	23.88		
5	QPSK	1	24	23.84	23.95	23.84		
5	QPSK	12	0	22.87	23.03	22.86	24.5	1
5	QPSK	12	7	22.87	23.00	22.84		
5	QPSK	12	13	22.91	22.98	22.87		
5	QPSK	25	0	22.91	22.94	22.95		
5	16QAM	1	0	22.93	22.97	22.99	24.5	1
5	16QAM	1	12	22.96	22.91	22.89		
5	16QAM	1	24	22.83	22.88	22.85		
5	16QAM	12	0	21.92	21.97	21.88	23.5	2
5	16QAM	12	7	21.88	21.90	21.92		
5	16QAM	12	13	21.81	21.95	21.78		
5	16QAM	25	0	21.89	22.00	21.87		
5	64QAM	1	0	21.90	21.94	22.07	23.5	2
5	64QAM	1	12	21.87	21.86	21.95		
5	64QAM	1	24	21.82	21.88	21.86		
5	64QAM	12	0	20.93	20.91	20.86	22.5	3
5	64QAM	12	7	20.95	20.96	20.88		
5	64QAM	12	13	20.88	20.93	20.83		
5	64QAM	25	0	20.99	20.99	20.87		
5	256QAM	1	0	18.93	19.06	18.94	20.5	5
5	256QAM	1	12	18.94	18.93	18.83		
5	256QAM	1	24	18.90	18.97	18.89		
5	256QAM	12	0	18.92	18.88	18.85	20.5	5
5	256QAM	12	7	18.99	19.06	18.97		
5	256QAM	12	13	18.88	18.88	18.94		
5	256QAM	25	0	18.78	18.95	18.84		

Band 41 Ant6 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.09	23.98	24.11	24.02	24.07	25.5	0
20	QPSK	1	49	24.00	23.90	24.08	23.90	24.00		
20	QPSK	1	99	23.98	23.90	24.07	23.97	23.99		
20	QPSK	50	0	23.05	22.96	23.13	23.06	23.12	24.5	1
20	QPSK	50	24	23.05	22.88	23.02	22.89	23.02		
20	QPSK	50	50	22.93	22.85	23.06	22.95	23.02		
20	QPSK	100	0	23.08	23.03	23.12	22.98	23.05		
20	16QAM	1	0	23.07	22.95	23.09	23.02	23.04	24.5	1
20	16QAM	1	49	22.95	22.93	23.10	22.86	23.00		
20	16QAM	1	99	22.94	22.90	23.02	22.98	23.03		
20	16QAM	50	0	22.00	21.97	22.10	22.08	22.14	23.5	2
20	16QAM	50	24	22.05	21.87	22.06	21.91	21.98		
20	16QAM	50	50	21.91	21.86	22.05	21.92	22.03		
20	16QAM	100	0	22.08	22.02	22.17	22.04	22.10		
20	64QAM	1	0	22.07	21.93	22.09	22.07	22.05	23.5	2
20	64QAM	1	49	21.96	21.94	22.09	21.89	21.99		
20	64QAM	1	99	21.94	21.91	22.04	21.93	22.00		
20	64QAM	50	0	21.01	20.91	21.08	21.04	21.13	22.5	3
20	64QAM	50	24	21.05	20.85	20.99	20.95	21.05		
20	64QAM	50	50	20.94	20.89	21.12	20.97	21.03		
20	64QAM	100	0	21.14	21.07	21.09	20.96	21.09		
20	256QAM	1	0	19.05	18.95	19.19	19.08	19.14	20.5	5
20	256QAM	1	49	19.08	18.86	19.01	18.92	19.08		
20	256QAM	1	99	18.92	18.85	19.10	18.93	19.06		
20	256QAM	50	0	19.06	19.07	19.15	19.03	19.04	20.5	5
20	256QAM	50	24	19.04	18.91	19.13	18.98	19.02		
20	256QAM	50	50	18.93	18.92	19.05	18.82	19.03		
20	256QAM	100	0	18.95	18.86	18.99	19.03	18.97		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.00	23.93	24.02	23.95	23.99	26	0
15	QPSK	1	37	23.97	23.85	23.97	23.86	23.88		
15	QPSK	1	74	23.92	23.80	23.99	23.90	23.90		
15	QPSK	36	0	22.92	22.90	23.05	23.03	22.99	24.5	1
15	QPSK	36	20	22.95	22.79	22.98	22.79	22.92		
15	QPSK	36	39	22.84	22.73	23.00	22.92	22.89		
15	QPSK	75	0	23.06	22.92	23.05	22.86	23.01		
15	16QAM	1	0	23.03	22.81	23.01	22.99	23.00	24.5	1
15	16QAM	1	37	22.91	22.86	23.00	22.83	22.91		
15	16QAM	1	74	22.84	22.81	22.93	22.85	22.92		
15	16QAM	36	0	21.96	21.95	22.04	21.99	22.07	23.5	2
15	16QAM	36	20	21.99	21.75	22.03	21.89	21.89		
15	16QAM	36	39	21.87	21.77	21.94	21.79	21.96		
15	16QAM	75	0	21.99	21.99	22.08	21.96	22.01		
15	64QAM	1	0	22.01	21.87	22.02	21.97	21.94	23.5	2
15	64QAM	1	37	21.89	21.81	21.99	21.80	21.93		
15	64QAM	1	74	21.89	21.81	21.93	21.87	21.88		
15	64QAM	36	0	20.92	20.80	21.03	20.96	21.09	22.5	3
15	64QAM	36	20	20.93	20.74	20.87	20.90	20.92		
15	64QAM	36	39	20.83	20.79	21.03	20.94	20.95		
15	64QAM	75	0	21.09	21.02	21.05	20.88	21.01		
15	256QAM	1	0	19.01	18.91	19.10	19.05	19.04	20.5	5
15	256QAM	1	37	19.05	18.82	18.91	18.88	19.02		
15	256QAM	1	74	18.84	18.82	19.03	18.81	19.00		
15	256QAM	36	0	18.94	18.95	19.03	18.96	18.94	20.5	5
15	256QAM	36	20	19.02	18.81	19.04	18.96	18.94		
15	256QAM	36	39	18.88	18.89	18.93	18.75	18.90		
15	256QAM	75	0	18.86	18.83	18.91	18.97	18.85		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.05	23.90	24.05	23.93	23.95	26	0
10	QPSK	1	25	23.92	23.84	23.98	23.86	23.87		
10	QPSK	1	49	23.92	23.85	24.04	23.85	23.91		
10	QPSK	25	0	22.95	22.91	23.00	22.93	23.08	24.5	1
10	QPSK	25	12	22.95	22.81	22.94	22.87	22.91		
10	QPSK	25	25	22.91	22.71	23.04	22.86	22.93		
10	QPSK	50	0	22.99	22.91	23.01	22.90	23.03	24.5	1
10	16QAM	1	0	22.99	22.86	23.07	23.00	23.02		
10	16QAM	1	25	22.83	22.84	23.04	22.77	22.92		
10	16QAM	1	49	22.86	22.88	22.88	22.96	22.94	23.5	2
10	16QAM	25	0	21.90	21.91	22.00	22.02	22.01		
10	16QAM	25	12	21.95	21.73	22.03	21.79	21.85		
10	16QAM	25	25	21.79	21.73	21.99	21.89	21.92		
10	16QAM	50	0	22.06	21.97	22.15	21.95	22.07		
10	64QAM	1	0	21.99	21.90	22.04	21.96	22.00	23.5	2
10	64QAM	1	25	21.89	21.83	21.97	21.83	21.88		
10	64QAM	1	49	21.86	21.88	21.93	21.81	21.96		
10	64QAM	25	0	20.94	20.86	20.94	20.99	21.00	22.5	3
10	64QAM	25	12	20.94	20.72	20.96	20.85	20.93		
10	64QAM	25	25	20.86	20.76	21.10	20.85	20.90		
10	64QAM	50	0	21.01	21.01	21.01	20.94	20.97		
10	256QAM	1	0	18.94	18.88	19.10	19.00	19.06	20.5	5
10	256QAM	1	25	18.99	18.72	18.94	18.81	18.96		
10	256QAM	1	49	18.83	18.75	18.98	18.82	18.95		
10	256QAM	25	0	18.98	18.99	19.13	18.89	18.92	20.5	5
10	256QAM	25	12	18.94	18.86	19.00	18.89	18.89		
10	256QAM	25	25	18.88	18.83	19.03	18.74	18.99		
10	256QAM	50	0	18.86	18.79	18.89	18.92	18.92		
Channel				39675	40140	40620	41093	41565	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.96	23.92	24.04	23.96	23.94	26	0
5	QPSK	1	12	23.93	23.79	24.02	23.80	23.91		
5	QPSK	1	24	23.89	23.84	24.03	23.92	23.96		
5	QPSK	12	0	22.98	22.89	23.11	22.94	23.05	24.5	1
5	QPSK	12	7	22.99	22.81	22.96	22.83	22.95		
5	QPSK	12	13	22.82	22.73	23.02	22.87	22.97		
5	QPSK	25	0	22.94	22.89	23.03	22.84	22.91		
5	16QAM	1	0	23.04	22.92	22.96	22.90	22.99	24.5	1
5	16QAM	1	12	22.89	22.89	23.06	22.73	22.87		
5	16QAM	1	24	22.89	22.77	22.98	22.94	22.95		
5	16QAM	12	0	21.91	21.95	22.02	21.97	22.09	23.5	2
5	16QAM	12	7	21.94	21.80	21.99	21.78	21.88		
5	16QAM	12	13	21.84	21.75	21.94	21.88	21.92		
5	16QAM	25	0	21.94	21.93	22.15	21.94	22.07		
5	64QAM	1	0	22.01	21.82	22.06	21.96	21.93	23.5	2
5	64QAM	1	12	21.92	21.81	22.05	21.76	21.96		
5	64QAM	1	24	21.83	21.86	21.97	21.87	21.88		
5	64QAM	12	0	20.94	20.88	21.04	20.91	20.99	22.5	3
5	64QAM	12	7	20.93	20.81	20.89	20.86	20.93		
5	64QAM	12	13	20.84	20.87	21.01	20.94	20.94		
5	64QAM	25	0	21.08	21.03	21.05	20.92	20.95		
5	256QAM	1	0	19.00	18.93	19.14	19.00	19.12	20.5	5
5	256QAM	1	12	18.98	18.83	18.89	18.87	19.01		
5	256QAM	1	24	18.78	18.81	19.03	18.88	19.04		
5	256QAM	12	0	18.92	19.01	19.05	18.91	19.00	20.5	5
5	256QAM	12	7	18.99	18.82	19.10	18.91	18.99		
5	256QAM	12	13	18.82	18.82	19.02	18.69	18.95		
5	256QAM	25	0	18.81	18.81	18.96	18.99	18.93		

Band 42 Ant6 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	21.79	21.87	21.83	23.3	0
20	QPSK	1	49	21.72	21.84	21.74		
20	QPSK	1	99	21.68	21.81	21.70		
20	QPSK	50	0	20.76	20.93	20.84	22.3	1
20	QPSK	50	24	20.69	20.82	20.79		
20	QPSK	50	50	20.63	20.82	20.67		
20	QPSK	100	0	20.79	20.92	20.78		
20	16QAM	1	0	20.80	20.90	20.83	22.3	1
20	16QAM	1	49	20.78	20.90	20.70		
20	16QAM	1	99	20.63	20.86	20.65		
20	16QAM	50	0	19.77	19.92	19.85	21.3	2
20	16QAM	50	24	19.74	19.80	19.77		
20	16QAM	50	50	19.67	19.82	19.69		
20	16QAM	100	0	19.73	19.94	19.80		
20	64QAM	1	0	19.83	19.95	19.82	21.3	2
20	64QAM	1	49	19.80	19.88	19.64		
20	64QAM	1	99	19.60	19.84	19.66		
20	64QAM	50	0	18.76	18.98	18.78	20.3	3
20	64QAM	50	24	18.71	18.79	18.82		
20	64QAM	50	50	18.57	18.77	18.68		
20	64QAM	100	0	18.76	18.93	18.80		
20	256QAM	1	0	16.73	16.97	16.88	18.3	5
20	256QAM	1	49	16.68	16.85	16.80		
20	256QAM	1	99	16.59	16.80	16.70		
20	256QAM	50	0	16.73	16.87	16.74	18.3	5
20	256QAM	50	24	16.76	16.94	16.84		
20	256QAM	50	50	16.79	16.87	16.72		
20	256QAM	100	0	16.68	16.84	16.65		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	21.67	21.78	21.79	23.3	0
15	QPSK	1	37	21.58	21.74	21.64		
15	QPSK	1	74	21.61	21.69	21.65		
15	QPSK	36	0	20.63	20.85	20.82	22.3	1
15	QPSK	36	20	20.66	20.75	20.71		
15	QPSK	36	39	20.50	20.78	20.64		
15	QPSK	75	0	20.76	20.85	20.69		
15	16QAM	1	0	20.71	20.76	20.79	22.3	1
15	16QAM	1	37	20.65	20.81	20.59		
15	16QAM	1	74	20.56	20.83	20.56		
15	16QAM	36	0	19.70	19.80	19.76	21.3	2
15	16QAM	36	20	19.66	19.74	19.68		
15	16QAM	36	39	19.62	19.71	19.60		
15	16QAM	75	0	19.63	19.87	19.68		
15	64QAM	1	0	19.76	19.85	19.78	21.3	2
15	64QAM	1	37	19.69	19.82	19.57		
15	64QAM	1	74	19.53	19.72	19.54		
15	64QAM	36	0	18.74	18.89	18.66	20.3	3
15	64QAM	36	20	18.65	18.70	18.76		
15	64QAM	36	39	18.52	18.64	18.61		
15	64QAM	75	0	18.72	18.91	18.67		
15	256QAM	1	0	16.63	16.83	16.76	18.3	5
15	256QAM	1	37	16.63	16.79	16.76		
15	256QAM	1	74	16.49	16.67	16.67		
15	256QAM	36	0	16.63	16.75	16.63	18.3	5
15	256QAM	36	20	16.67	16.89	16.75		
15	256QAM	36	39	16.69	16.83	16.64		
15	256QAM	75	0	16.55	16.80	16.51		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	21.69	21.74	21.74	23.3	0
10	QPSK	1	25	21.69	21.72	21.61		
10	QPSK	1	49	21.65	21.68	21.66		
10	QPSK	25	0	20.70	20.79	20.82	22.3	1
10	QPSK	25	12	20.59	20.79	20.75		
10	QPSK	25	25	20.54	20.77	20.56		
10	QPSK	50	0	20.76	20.80	20.70	22.3	1
10	16QAM	1	0	20.72	20.77	20.75		
10	16QAM	1	25	20.67	20.87	20.59		
10	16QAM	1	49	20.51	20.74	20.63		
10	16QAM	25	0	19.75	19.89	19.74	21.3	2
10	16QAM	25	12	19.69	19.70	19.69		
10	16QAM	25	25	19.58	19.70	19.56		
10	16QAM	50	0	19.68	19.82	19.69		
10	64QAM	1	0	19.73	19.87	19.78	21.3	2
10	64QAM	1	25	19.77	19.77	19.55		
10	64QAM	1	49	19.51	19.74	19.60		
10	64QAM	25	0	18.68	18.91	18.69	20.3	3
10	64QAM	25	12	18.68	18.66	18.72		
10	64QAM	25	25	18.44	18.70	18.57		
10	64QAM	50	0	18.68	18.91	18.75		
10	256QAM	1	0	16.67	16.91	16.83	18.3	5
10	256QAM	1	25	16.63	16.78	16.75		
10	256QAM	1	49	16.52	16.77	16.64		
10	256QAM	25	0	16.68	16.75	16.61	18.3	5
10	256QAM	25	12	16.73	16.81	16.79		
10	256QAM	25	25	16.70	16.77	16.59		
10	256QAM	50	0	16.65	16.74	16.61		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	21.68	21.79	21.70	23.3	0
5	QPSK	1	12	21.70	21.74	21.70		
5	QPSK	1	24	21.63	21.76	21.61		
5	QPSK	12	0	20.71	20.89	20.77	22.3	1
5	QPSK	12	7	20.63	20.74	20.76		
5	QPSK	12	13	20.55	20.75	20.55		
5	QPSK	25	0	20.75	20.83	20.65		
5	16QAM	1	0	20.76

		WCDMA II Ant7 DSI1				WCDMA IV Ant7 DSI1			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.81	19.94	19.81	21.30	19.44	19.52	19.38	21.00
3GPP Rel 99	RMC 12.2Kbps	19.94	19.96	19.85	21.30	19.48	19.58	19.42	21.00
3GPP Rel 6	HSDPA Subtest-1	18.93	18.98	18.88	20.30	18.50	18.58	18.50	20.00
3GPP Rel 6	HSDPA Subtest-2	18.88	18.92	18.97	20.30	18.50	18.51	18.55	20.00
3GPP Rel 6	HSDPA Subtest-3	18.35	18.44	18.45	19.80	17.98	18.04	18.01	19.50
3GPP Rel 6	HSDPA Subtest-4	18.39	18.54	18.43	19.80	18.04	18.17	17.98	19.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.94	18.94	18.92	20.30	18.58	18.48	18.55	20.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.88	18.90	18.80	20.30	18.44	18.47	18.37	20.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.37	18.41	18.41	19.80	17.92	18.04	18.03	19.50
3GPP Rel 8	DC-HSDPA Subtest-4	18.38	18.41	18.33	19.80	18.00	17.99	17.92	19.50
3GPP Rel 6	HSUPA Subtest-1	18.87	18.96	18.88	20.30	18.53	18.60	18.46	20.00
3GPP Rel 6	HSUPA Subtest-2	16.96	16.95	16.84	18.30	16.57	16.52	16.47	18.00
3GPP Rel 6	HSUPA Subtest-3	17.93	17.94	17.84	19.30	17.55	17.52	17.38	19.00
3GPP Rel 6	HSUPA Subtest-4	16.99	17.00	16.93	18.30	16.62	16.64	16.58	18.00
3GPP Rel 6	HSUPA Subtest-5	18.91	18.92	18.92	20.30	18.56	18.54	18.47	20.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.46	16.46	16.42	17.80	16.04	16.09	16.07	17.50

Band 2 Ant7 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	19.61	19.65	19.63	21.1	0
20	QPSK	1	49	19.57	19.52	19.61		
20	QPSK	1	99	19.58	19.17	18.20		
20	QPSK	50	0	19.08	19.20	19.15	20.6	0.5
20	QPSK	50	24	19.02	19.02	19.14		
20	QPSK	50	50	19.09	19.06	19.04		
20	QPSK	100	0	19.16	19.18	19.11		
20	16QAM	1	0	19.07	19.15	19.11	20.6	0.5
20	16QAM	1	49	19.13	19.00	19.10		
20	16QAM	1	99	19.10	19.15	19.04		
20	16QAM	50	0	18.04	18.17	18.20	19.6	1.5
20	16QAM	50	24	18.00	18.05	18.11		
20	16QAM	50	50	18.10	18.02	18.03		
20	16QAM	100	0	18.18	18.19	18.10		
20	64QAM	1	0	18.06	18.18	18.12	19.6	1.5
20	64QAM	1	49	18.14	17.96	18.13		
20	64QAM	1	99	18.04	18.10	18.06		
20	64QAM	50	0	17.05	17.14	17.17	18.6	2.5
20	64QAM	50	24	16.98	16.98	17.14		
20	64QAM	50	50	17.06	17.12	17.01		
20	64QAM	100	0	17.11	17.19	17.12		
20	256QAM	1	0	15.12	15.24	15.21	16.6	4.5
20	256QAM	1	49	15.00	15.00	15.09		
20	256QAM	1	99	15.12	15.05	15.06		
20	256QAM	50	0	15.12	15.19	15.07	16.6	4.5
20	256QAM	50	24	15.01	15.14	15.12		
20	256QAM	50	50	15.08	15.03	15.06		
20	256QAM	100	0	15.09	15.18	15.11		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.54	19.58	19.59	21.1	0
15	QPSK	1	37	19.54	19.49	19.55		
15	QPSK	1	74	19.49	19.61	19.50		
15	QPSK	36	0	18.96	19.15	19.13	20.6	0.5
15	QPSK	36	20	18.96	18.93	19.14		
15	QPSK	36	39	18.97	19.02	18.95		
15	QPSK	75	0	19.05	19.17	19.02		
15	16QAM	1	0	18.98	19.13	19.07	20.6	0.5
15	16QAM	1	37	19.06	18.92	18.99		
15	16QAM	1	74	18.99	19.12	19.00		
15	16QAM	36	0	17.94	18.17	18.13	19.6	1.5
15	16QAM	36	20	17.95	17.97	18.02		
15	16QAM	36	39	18.07	17.92	18.00		
15	16QAM	75	0	18.10	18.18	18.07		
15	64QAM	1	0	18.06	18.13	18.04	19.6	1.5
15	64QAM	1	37	18.02	17.88	18.02		
15	64QAM	1	74	18.02	18.05	17.98		
15	64QAM	36	0	17.03	17.12	17.07	18.6	2.5
15	64QAM	36	20	16.91	16.91	17.02		
15	64QAM	36	39	16.98	17.01	16.96		
15	64QAM	75	0	17.09	17.08	17.00		
15	256QAM	1	0	15.08	15.18	15.12	16.6	4.5
15	256QAM	1	37	15.14	15.09	15.00		
15	256QAM	1	74	15.04	15.04	15.05		
15	256QAM	36	0	15.00	15.12	15.02	16.6	4.5
15	256QAM	36	20	15.01	15.13	15.08		
15	256QAM	36	39	15.16	15.09	15.04		
15	256QAM	75	0	15.03	15.07	15.03		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.55	19.56	19.54	21.1	0
10	QPSK	1	25	19.56	19.42	19.57		
10	QPSK	1	49	19.51	19.56	19.43		
10	QPSK	25	0	18.97	19.13	19.13	20.6	0.5
10	QPSK	25	12	18.99	19.01	19.04		
10	QPSK	25	25	19.02	19.01	19.03		
10	QPSK	50	0	19.12	19.08	19.00		
10	16QAM	1	0	18.96	19.04	19.03	20.6	0.5
10	16QAM	1	25	19.07	18.93	19.07		
10	16QAM	1	49	19.02	19.03	19.02		
10	16QAM	25	0	17.99	18.12	18.17	19.6	1.5
10	16QAM	25	12	17.91	18.00	18.06		
10	16QAM	25	25	18.00	17.94	17.93		
10	16QAM	50	0	18.18	18.15	18.10		
10	64QAM	1	0	18.03	18.17	18.06	19.6	1.5
10	64QAM	1	25	18.05	17.84	18.10		
10	64QAM	1	49	18.03	18.05	17.98		
10	64QAM	25	0	16.93	17.02	17.14	18.6	2.5
10	64QAM	25	12	16.88	16.86	17.13		
10	64QAM	25	25	16.96	17.04	16.91		
10	64QAM	50	0	17.01	17.15	17.08		
10	256QAM	1	0	15.01	15.18	15.20	16.6	4.5
10	256QAM	1	25	15.13	15.08	15.06		
10	256QAM	1	49	15.12	15.02	15.04		
10	256QAM	25	0	15.11	15.11	15.01	16.6	4.5
10	256QAM	25	12	15.06	15.09	15.03		
10	256QAM	25	25	15.04	15.03	15.00		
10	256QAM	50	0	15.06	15.16	15.09		
Channel				18525	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	19.54	19.57	19.53	21.1	0
5	QPSK	1	12	19.57	19.44	19.53		
5	QPSK	1	24	19.55	19.55	19.44		
5	QPSK	12	0	18.99	19.14	19.10	20.6	0.5
5	QPSK	12	7	19.01	18.91	19.09		
5	QPSK	12	13	19.03	18.95	19.04		
5	QPSK	25	0	19.09	19.08	19.00		
5	16QAM	1	0	19.00	19.13	19.05	20.6	0.5
5	16QAM	1	12	19.11	18.91	19.00		
5	16QAM	1	24	19.03	19.05	18.94		
5	16QAM	12	0	18.01	18.06	18.19	19.6	1.5
5	16QAM	12	7	17.90	18.03	18.04		
5	16QAM	12	13	18.05	17.95	17.95		
5	16QAM	25	0	18.13	18.10	18.03		
5	64QAM	1	0	17.96	18.07	18.11	19.6	1.5
5	64QAM	1	12	18.09	17.84	18.08		
5	64QAM	1	24	18.03	18.02	17.95		
5	64QAM	12	0	17.05	17.02	17.16	18.6	2.5
5	64QAM	12	7	16.94	16.91	17.03		
5	64QAM	12	13	16.95	17.05	16.90		
5	64QAM	25	0	17.06	17.18	17.09		
5	256QAM	1	0	15.04	15.16	15.11	16.6	4.5
5	256QAM	1	12	15.00	15.10	15.06		
5	256QAM	1	24	15.10	15.06	15.05		
5	256QAM	12	0	15.06	15.12	15.03	16.6	4.5
5	256QAM	12	7	15.10	15.13	15.04		
5	256QAM	12	13	15.09	15.08	15.02		
5	256QAM	25	0	15.02	15.11	15.09		
Channel				18515	18900	19285	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.59	19.55	19.62	21.1	0
3	QPSK	1	8	19.51	19.51	19.56		
3	QPSK	1	14	19.49	19.58	19.50		
3	QPSK	8	0	19.01	19.08	19.11	20.6	0.5
3	QPSK	8	4	18.95	18.94	19.06		
3	QPSK	8	7	19.01	18.97	19.01		
3	QPSK	15	0	19.10	19.07	19.10		
3	16QAM	1	0	19.00	19.10	19.10	20.6	0.5
3	16QAM	1	8	19.10	18.96	19.05		
3	16QAM	1	14	19.07	19.15	18.96		
3	16QAM	8	0	17.93	18.06	18.08	19.6	1.5
3	16QAM	8	4	17.97	17.97	18.02		
3	16QAM	8	7	18.03	17.96	17.97		
3	16QAM	15	0	18.12	18.11	18.08	19.6	1.5
3	64QAM	1	0	18.01	18.10	18.04		
3	64QAM	1	8	18.09	17.94	18.08		
3	64QAM	1	14	17.97	18.02	17.95		
3	64QAM	8	0	16.97	17.04	17.12	18.6	2.5
3	64QAM	8	4	16.93	16.88	17.02		
3	64QAM	8	7	16.98	17.07	16.99		
3	64QAM	15	0	16.99	17.13	17.09		
3	256QAM	1	0	15.04	15.19	15.10	16.6	4.5
3	256QAM	1	8	15.15	15.06	15.05		
3	256QAM	1	14	15.07	15.09	15.00		
3	256QAM	8	0	15.04	15.08	15.04	16.6	4.5
3	256QAM	8	4	15.12	15.04	15.03		
3	256QAM	8	7	15.06	15.13	15.03		
3	256QAM	15	0	15.04	15.15	15.08		
Channel				18507	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.57	19.60	19.58	21.1	0
1.4	QPSK	1	3	19.48	19.48	19.53		
1.4	QPSK	1	5	19.49	19.56	19.46		
1.4	QPSK	3	0	19.46	19.54	19.53		
1.4	QPSK	3	1	19.44	19.38	19.44		
1.4	QPSK	3	3	19.39	19.49	19.43		
1.4	QPSK	6	0	19.05	19.12	19.06	20.6	0.5
1.4	16QAM	1	0	19.01	19.05	19.02	20.6	0.5
1.4	16QAM	1	3	19.12	18.88	19.05		
1.4	16QAM	1	5	19.03	19.07	18.98		
1.4	16QAM	3	0	18.97	19.09	19.05		
1.4	16QAM	3	1	19.00	18.97	18.93		
1.4	16QAM	3	3	19.12	18.86	18.98		
1.4	16QAM	6	0	18.08	18.11	17.99	19.6	1.5
1.4	64QAM	1	0	17.99	18.17	18.05	19.6	1.5
1.4	64QAM	1	3	18.07	17.89	18.10		
1.4	64QAM	1	5	18.01	18.07	17.97		
1.4	64QAM	3	0	18.08	18.06	17.97		
1.4	64QAM	3	1	17.88	18.11	17.99		
1.4	64QAM	3	3	18.02	17.84	18.08		
1.4	64QAM	6	0	16.99	17.13	17.03	18.6	2.5
1.4	256QAM	1	0	15.01	15.15	15.20	16.6	4.5
1.4	256QAM	1	3	15.09	15.12	15.01		
1.4	256QAM	1	5	15.02	15.11	15.04		
1.4	256QAM	3	0	15.06	15.09	15.01		
1.4	256QAM	3	1	15.01	15.10	15.09		
1.4	256QAM	3	3	15.09	15.06	15.04		
1.4	256QAM	6	0	15.11	15.15	15.00	16.6	4.5

Band 4 Ant7 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	17.52	17.56	17.48	19	0
20	QPSK	1	49	17.44	17.48	17.43		
20	QPSK	1	99	17.41	17.45	17.43		
20	QPSK	50	0	17.39	17.53	17.39	19	0
20	QPSK	50	24	17.47	17.45	17.42		
20	QPSK	50	50	17.40	17.48	17.46		
20	QPSK	100	0	17.40	17.51	17.43		
20	16QAM	1	0	17.48	17.49	17.37	19	0
20	16QAM	1	49	17.33	17.45	17.32		
20	16QAM	1	99	17.37	17.42	17.37		
20	16QAM	50	0	17.36	17.46	17.30	19	0
20	16QAM	50	24	17.39	17.40	17.31		
20	16QAM	50	50	17.36	17.43	17.43		
20	16QAM	100	0	17.36	17.43	17.36		
20	64QAM	1	0	17.40	17.50	17.42	19	0
20	64QAM	1	49	17.32	17.42	17.41		
20	64QAM	1	99	17.38	17.38	17.39		
20	64QAM	50	0	17.34	17.44	17.30	19	0
20	64QAM	50	24	17.45	17.36	17.39		
20	64QAM	50	50	17.34	17.43	17.41		
20	64QAM	100	0	17.32	17.40	17.31		
20	256QAM	1	0	15.51	15.57	15.45	17	2
20	256QAM	1	49	15.44	15.48	15.40		
20	256QAM	1	99	15.36	15.49	15.37		
20	256QAM	50	0	15.43	15.56	15.39	17	2
20	256QAM	50	24	15.51	15.43	15.44		
20	256QAM	50	50	15.37	15.49	15.43		
20	256QAM	100	0	15.42	15.46	15.42		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	17.45	17.43	17.43	19	0
15	QPSK	1	37	17.30	17.45	17.33		
15	QPSK	1	74	17.31	17.37	17.34		
15	QPSK	36	0	17.33	17.49	17.28	19	0
15	QPSK	36	20	17.45	17.37	17.33		
15	QPSK	36	39	17.27	17.35	17.41		
15	QPSK	75	0	17.29	17.45	17.36		
15	16QAM	1	0	17.34	17.40	17.30	19	0
15	16QAM	1	37	17.24	17.36	17.25		
15	16QAM	1	74	17.32	17.34	17.23		
15	16QAM	36	0	17.26	17.37	17.18	19	0
15	16QAM	36	20	17.26	17.27	17.25		
15	16QAM	36	39	17.28	17.29	17.33		
15	16QAM	75	0	17.30	17.41	17.31		
15	64QAM	1	0	17.29	17.44	17.28	19	0
15	64QAM	1	37	17.21	17.35	17.37		
15	64QAM	1	74	17.26	17.29	17.26		
15	64QAM	36	0	17.23	17.33	17.19	19	0
15	64QAM	36	20	17.39	17.30	17.35		
15	64QAM	36	39	17.21	17.38	17.38		
15	64QAM	75	0	17.28	17.33	17.26		
15	256QAM	1	0	15.41	15.52	15.34	17	2
15	256QAM	1	37	15.37	15.43	15.36		
15	256QAM	1	74	15.28	15.41	15.30		
15	256QAM	36	0	15.32	15.46	15.35	17	2
15	256QAM	36	20	15.38	15.32	15.36		
15	256QAM	36	39	15.34	15.44	15.33		
15	256QAM	75	0	15.39	15.35	15.34		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	17.38	17.51	17.40	19	0
10	QPSK	1	25	17.36	17.38	17.40		
10	QPSK	1	49	17.30	17.36	17.36		
10	QPSK	25	0	17.27	17.45	17.34	19	0
10	QPSK	25	12	17.40	17.41	17.30		
10	QPSK	25	25	17.32	17.36	17.32		
10	QPSK	50	0	17.37	17.43	17.34		
10	16QAM	1	0	17.37	17.37	17.31	19	0
10	16QAM	1	25	17.28	17.41	17.28		
10	16QAM	1	49	17.25	17.32	17.29		
10	16QAM	25	0	17.28	17.36	17.19	19	0
10	16QAM	25	12	17.29	17.34	17.27		
10	16QAM	25	25	17.27	17.31	17.33		
10	16QAM	50	0	17.29	17.41	17.26		
10	64QAM	1	0	17.35	17.46	17.37	19	0
10	64QAM	1	25	17.27	17.38	17.35		
10	64QAM	1	49	17.31	17.24	17.36		
10	64QAM	25	0	17.30	17.33	17.22	19	0
10	64QAM	25	12	17.37	17.22	17.33		
10	64QAM	25	25	17.25	17.31	17.33		
10	64QAM	50	0	17.25	17.38	17.19	19	0
10	256QAM	1	0	15.43	15.55	15.36	17	2
10	256QAM	1	25	15.39	15.42	15.35		
10	256QAM	1	49	15.23	15.41	15.33		
10	256QAM	25	0	15.40	15.52	15.27	17	2
10	256QAM	25	12	15.48	15.39	15.38		
10	256QAM	25	25	15.32	15.40	15.38		
10	256QAM	50	0	15.29	15.38	15.32		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	17.45	17.45	17.39	19	0
5	QPSK	1	12	17.33	17.37	17.30		
5	QPSK	1	24	17.37	17.33	17.33		
5	QPSK	12	0	17.29	17.43	17.31	19	0
5	QPSK	12	7	17.41	17.40	17.35		
5	QPSK	12	13	17.31	17.46	17.38		
5	QPSK	25	0	17.35	17.39	17.38	19	0
5	16QAM	1	0	17.45	17.41	17.31		
5	16QAM	1	12	17.23	17.34	17.25		
5	16QAM	1	24	17.30	17.30	17.32		
5	16QAM	12	0	17.31	17.42	17.23	19	0
5	16QAM	12	7	17.25	17.35	17.21		
5	16QAM	12	13	17.25	17.36	17.34		
5	16QAM	25	0	17.28	17.35	17.24		
5	64QAM	1	0	17.36	17.42	17.28	19	0
5	64QAM	1	12	17.18	17.31	17.38		
5	64QAM	1	24	17.34	17.26	17.31		
5	64QAM	12	0	17.27	17.34	17.18	19	0
5	64QAM	12	7	17.35	17.32	17.30		
5	64QAM	12	13	17.28	17.35	17.34		
5	64QAM	25	0	17.26	17.28	17.29		
5	256QAM	1	0	15.41	15.55	15.37	17	2
5	256QAM	1	12	15.40	15.45	15.35		
5	256QAM	1	24	15.25	15.45	15.25		
5	256QAM	12	0	15.39	15.43	15.27	17	2
5	256QAM	12	7	15.48	15.31	15.31		
5	256QAM	12	13	15.31	15.44	15.37		
5	256QAM	25	0	15.36	15.34	15.35		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	17.49	17.51	17.37	19	0
3	QPSK	1	8	17.35	17.39	17.37		
3	QPSK	1	14	17.36	17.38	17.35		
3	QPSK	8	0	17.37	17.42	17.29	19	0
3	QPSK	8	4	17.44	17.42	17.39		
3	QPSK	8	7	17.36	17.37	17.37		
3	QPSK	15	0	17.28	17.39	17.41		
3	16QAM	1	0	17.40	17.38	17.28	19	0
3	16QAM	1	8	17.30	17.32	17.30		
3	16QAM	1	14	17.27	17.32	17.27		
3	16QAM	8	0	17.25	17.40	17.22	19	0
3	16QAM	8	4	17.27	17.36	17.28		
3	16QAM	8	7	17.31	17.32	17.39		
3	16QAM	15	0	17.27	17.30	17.29	19	0
3	64QAM	1	0	17.27	17.45	17.30		
3	64QAM	1	8	17.21	17.27	17.36		
3	64QAM	1	14	17.31	17.34	17.27		
3	64QAM	8	0	17.21	17.30	17.21	19	0
3	64QAM	8	4	17.42	17.27	17.35		
3	64QAM	8	7	17.22	17.27	17.39		
3	64QAM	15	0	17.24	17.30	17.19	19	0
3	256QAM	1	0	15.39	15.45	15.41	17	2
3	256QAM	1	8	15.31	15.45	15.35		
3	256QAM	1	14	15.32	15.46	15.33		
3	256QAM	8	0	15.36	15.51	15.36	17	2
3	256QAM	8	4	15.43	15.34	15.41		
3	256QAM	8	7	15.26	15.44	15.38		
3	256QAM	15	0	15.34	15.41	15.32		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	17.47	17.47	17.42	19	0
1.4	QPSK	1	3	17.38	17.42	17.40		
1.4	QPSK	1	5	17.35	17.42	17.37		
1.4	QPSK	3	0	17.29	17.43	17.25		
1.4	QPSK	3	1	17.35	17.36	17.28		
1.4	QPSK	3	3	17.28	17.34	17.42		
1.4	QPSK	6	0	17.32	17.40	17.29	19	0
1.4	16QAM	1	0	17.37	17.42	17.34	19	0
1.4	16QAM	1	3	17.26	17.36	17.24		
1.4	16QAM	1	5	17.34	17.38	17.26		
1.4	16QAM	3	0	17.25	17.42	17.22		
1.4	16QAM	3	1	17.28	17.36	17.28		
1.4	16QAM	3	3	17.28	17.41	17.40		
1.4	16QAM	6	0	17.30	17.35	17.27	19	0
1.4	64QAM	1	0	17.36	17.40	17.38	19	0
1.4	64QAM	1	3	17.20	17.30	17.36		
1.4	64QAM	1	5	17.31	17.34	17.26		
1.4	64QAM	3	0	17.31	17.31	17.19		
1.4	64QAM	3	1	17.37	17.29	17.27		
1.4	64QAM	3	3	17.23	17.32	17.33		
1.4	64QAM	6	0	17.25	17.30	17.26	19	0
1.4	256QAM	1	0	15.46	15.54	15.42	17	2
1.4	256QAM	1	3	15.36	15.39	15.46		
1.4	256QAM	1	5	15.27	15.43	15.24		
1.4	256QAM	3	0	15.35	15.52	15.25		
1.4	256QAM	3	1	15.47	15.37	15.39		
1.4	256QAM	3	3	15.29	15.38	15.34		
1.4	256QAM	6	0	15.40	15.33	15.36	17	2

Band 7 Ant7 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.25	18.31	18.29	19.7	0
20	QPSK	1	49	18.17	18.29	18.27		
20	QPSK	1	99	18.20	18.24	18.25		
20	QPSK	50	0	18.23	18.27	18.24	19.7	0
20	QPSK	50	24	18.12	18.22	18.25		
20	QPSK	50	50	18.15	18.21	18.16		
20	QPSK	100	0	18.20	18.24	18.22		
20	16QAM	1	0	18.12	18.22	18.25	19.7	0
20	16QAM

Band 25 Ant7 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	19.63	19.77	19.50	21.2	0
20	QPSK	1	49	19.45	19.64	19.49		
20	QPSK	1	99	19.48	19.48	19.34		
20	QPSK	50	0	18.33	18.73	18.49	20.2	1
20	QPSK	50	24	18.51	18.53	18.71		
20	QPSK	50	50	18.48	18.63	18.66		
20	QPSK	100	0	18.71	18.79	18.54		
20	16QAM	1	0	18.51	18.58	18.56	20.2	1
20	16QAM	1	49	18.47	18.81	18.56		
20	16QAM	1	99	18.76	18.73	18.60		
20	16QAM	50	0	17.66	17.73	17.47	19.2	2
20	16QAM	50	24	17.68	17.64	17.61		
20	16QAM	50	50	17.58	17.66	17.64		
20	16QAM	100	0	17.59	17.74	17.70		
20	64QAM	1	0	17.57	17.72	17.55	19.2	2
20	64QAM	1	49	17.47	17.74	17.41		
20	64QAM	1	99	17.47	17.75	17.56		
20	64QAM	50	0	16.50	16.69	16.58	18.2	3
20	64QAM	50	24	16.66	16.63	16.62		
20	64QAM	50	50	16.55	16.73	16.58		
20	64QAM	100	0	16.61	16.73	16.64		
20	256QAM	1	0	14.73	14.77	14.72	16.2	5
20	256QAM	1	49	14.67	14.95	14.77		
20	256QAM	1	99	14.78	14.83	14.71		
20	256QAM	50	0	14.86	14.89	14.59	16.2	5
20	256QAM	50	24	14.73	15.08	14.61		
20	256QAM	50	50	14.73	14.84	14.70		
20	256QAM	100	0	14.81	14.84	14.92		
Channel				26115	26340	26515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	19.58	19.72	19.34	21.2	0
15	QPSK	1	37	19.33	19.56	19.42		
15	QPSK	1	74	19.42	19.37	19.28		
15	QPSK	36	0	18.25	18.68	18.38	20.2	1
15	QPSK	36	20	18.45	18.46	18.59		
15	QPSK	36	39	18.43	18.50	18.52		
15	QPSK	75	0	18.66	18.67	18.39		
15	16QAM	1	0	18.43	18.50	18.43	20.2	1
15	16QAM	1	37	18.40	18.70	18.50		
15	16QAM	1	74	18.62	18.59	18.50		
15	16QAM	36	0	17.59	17.60	17.41	19.2	2
15	16QAM	36	20	17.57	17.55	17.56		
15	16QAM	36	39	17.50	17.60	17.59		
15	16QAM	75	0	17.46	17.67	17.63		
15	64QAM	1	0	17.51	17.59	17.49	19.2	2
15	64QAM	1	37	17.39	17.60	17.32		
15	64QAM	1	74	17.41	17.70	17.44		
15	64QAM	36	0	16.42	16.58	16.47	18.2	3
15	64QAM	36	20	16.56	16.54	16.54		
15	64QAM	36	39	16.42	16.68	16.43		
15	64QAM	75	0	16.48	16.60	16.53		
15	256QAM	1	0	14.64	14.63	14.58	16.2	5
15	256QAM	1	37	14.52	14.83	14.69		
15	256QAM	1	74	14.73	14.70	14.59		
15	256QAM	36	0	14.81	14.73	14.54	16.2	5
15	256QAM	36	20	14.64	14.98	14.51		
15	256QAM	36	39	14.61	14.76	14.55		
15	256QAM	75	0	14.66	14.73	14.77		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	19.54	19.64	19.40	21.2	0
10	QPSK	1	25	19.31	19.49	19.41		
10	QPSK	1	49	19.34	19.34	19.28		
10	QPSK	25	0	18.26	18.63	18.42	20.2	1
10	QPSK	25	12	18.37	18.46	18.56		
10	QPSK	25	25	18.37	18.59	18.50		
10	QPSK	50	0	18.58	18.74	18.43		
10	16QAM	1	0	18.44	18.54	18.46	20.2	1
10	16QAM	1	25	18.41	18.74	18.41		
10	16QAM	1	49	18.69	18.63	18.53		
10	16QAM	25	0	17.60	17.67	17.31	19.2	2
10	16QAM	25	12	17.53	17.58	17.52		
10	16QAM	25	25	17.51	17.50	17.59		
10	16QAM	50	0	17.48	17.68	17.58		
10	64QAM	1	0	17.48	17.60	17.49	19.2	2
10	64QAM	1	25	17.32	17.67	17.31		
10	64QAM	1	49	17.37	17.59	17.44		
10	64QAM	25	0	16.41	16.61	16.48	18.2	3
10	64QAM	25	12	16.60	16.53	16.49		
10	64QAM	25	25	16.44	16.66	16.43		
10	64QAM	50	0	16.55	16.66	16.53		
10	256QAM	1	0	14.66	14.66	14.65	16.2	5
10	256QAM	1	25	14.60	14.83	14.71		
10	256QAM	1	49	14.73	14.67	14.61		
10	256QAM	25	0	14.81	14.75	14.50	16.2	5
10	256QAM	25	12	14.68	14.96	14.50		
10	256QAM	25	25	14.65	14.77	14.59		
10	256QAM	50	0	14.74	14.79	14.87		
Channel				26065	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	19.53	19.69	19.35	21.2	0
5	QPSK	1	12	19.36	19.50	19.40		
5	QPSK	1	24	19.33	19.33	19.27		
5	QPSK	12	0	18.23	18.57	18.35	20.2	1
5	QPSK	12	7	18.39	18.46	18.66		
5	QPSK	12	13	18.44	18.59	18.55		
5	QPSK	25	0	18.57	18.65	18.40		
5	16QAM	1	0	18.37	18.44	18.46	20.2	1
5	16QAM	1	12	18.42	18.72	18.44		
5	16QAM	1	24	18.69	18.67	18.51		
5	16QAM	12	0	17.53	17.60	17.34	19.2	2
5	16QAM	12	7	17.53	17.54	17.56		
5	16QAM	12	13	17.52	17.53	17.54		
5	16QAM	25	0	17.54	17.62	17.59		
5	64QAM	1	0	17.49	17.58	17.39	19.2	2
5	64QAM	1	12	17.35	17.60	17.27		
5	64QAM	1	24	17.32	17.64	17.50		
5	64QAM	12	0	16.35	16.64	16.46	18.2	3
5	64QAM	12	7	16.51	16.48	16.55		
5	64QAM	12	13	16.50	16.65	16.49		
5	64QAM	25	0	16.53	16.66	16.51		
5	256QAM	1	0	14.57	14.67	14.59	16.2	5
5	256QAM	1	12	14.63	14.90	14.72		
5	256QAM	1	24	14.63	14.74	14.62		
5	256QAM	12	0	14.74	14.73	14.48	16.2	5
5	256QAM	12	7	14.66	14.97	14.57		
5	256QAM	12	13	14.60	14.77	14.61		
5	256QAM	25	0	14.70	14.75	14.77		
Channel				26055	26340	26625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	19.50	19.72	19.42	21.2	0
3	QPSK	1	8	19.31	19.55	19.37		
3	QPSK	1	14	19.40	19.34	19.26		
3	QPSK	8	0	18.28	18.57	18.37	20.2	1
3	QPSK	8	4	18.36	18.46	18.56		
3	QPSK	8	7	18.36	18.48	18.55		
3	QPSK	15	0	18.67	18.64	18.39		
3	16QAM	1	0	18.40	18.42	18.41	20.2	1
3	16QAM	1	8	18.34	18.66	18.46		
3	16QAM	1	14	18.69	18.63	18.51		
3	16QAM	8	0	17.58	17.63	17.31	19.2	2
3	16QAM	8	4	17.60	17.52	17.48		
3	16QAM	8	7	17.54	17.62	17.60		
3	16QAM	15	0	17.49	17.70	17.60		
3	64QAM	1	0	17.47	17.58	17.50	19.2	2
3	64QAM	1	8	17.39	17.62	17.29		
3	64QAM	1	14	17.37	17.62	17.41		
3	64QAM	8	0	16.38	16.60	16.49	18.2	3
3	64QAM	8	4	16.55	16.50	16.57		
3	64QAM	8	7	16.43	16.59	16.49		
3	64QAM	15	0	16.51	16.69	16.59		
3	256QAM	1	0	14.64	14.67	14.68	16.2	5
3	256QAM	1	8	14.55	14.89	14.62		
3	256QAM	1	14	14.64	14.74	14.58		
3	256QAM	8	0	14.80	14.76	14.43	16.2	5
3	256QAM	8	4	14.64	14.70	14.45		
3	256QAM	8	7	14.69	14.70	14.61		
3	256QAM	15	0	14.65	14.77	14.83		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	19.52	19.57	19.37	21.2	0
1.4	QPSK	1	3	19.40	19.57	19.40		
1.4	QPSK	1	5	19.42	19.52	19.57		
1.4	QPSK	3	0	19.44	19.66	19.46		
1.4	QPSK	3	1	19.42	19.47	19.44		
1.4	QPSK	3	3	19.48	19.57	19.47		
1.4	QPSK	6	0	18.61	18.73	18.49	20.2	1
1.4	16QAM	1	0	18.62	18.72	18.40	20.2	1
1.4	16QAM	1	3	18.48	18.69	18.59		
1.4	16QAM	1	5	18.59	18.66	18.56		
1.4	16QAM	3	0	18.57	18.71	18.46		
1.4	16QAM	3	1	18.56	18.69	18.60		
1.4	16QAM	3	3	18.54	18.58	18.51		
1.4	16QAM	6	0	17.52	17.60	17.61	19.2	2
1.4	64QAM	1	0	17.55	17.71	17.46	19.2	2
1.4	64QAM	1	3	17.60	17.61	17.53		
1.4	64QAM	1	5	17.44	17.60	17.51		
1.4	64QAM	3	0	17.66	17.65	17.55		
1.4	64QAM	3	1	17.57	17.61	17.50		
1.4	64QAM	3	3	17.53	17.61	17.55		
1.4	64QAM	6	0	16.54	16.61	16.52	18.2	3
1.4	256QAM	1	0	14.51	14.63	14.53	16.2	5
1.4	256QAM	1	3	14.64	14.72	14.46		
1.4	256QAM	1	5	14.58	14.76	14.43		
1.4	256QAM	3	0	14.57	14.59	14.57		
1.4	256QAM	3	1	14.50	14.70	14.47		
1.4	256QAM	3	3	14.55	14.67	14.48		
1.4	256QAM	6	0	14.45	14.72	14.53	16.2	5

Band 66 Ant7 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	17.13	17.16	17.11	18.6	0
20	QPSK	1	49	17.00	17.11	16.99		
20	QPSK	1	99	17.11	17.05	17.01		
20	QPSK	50	0	17.03	17.13	16.97	18.6	0
20	QPSK	50	24	17.03	17.11	17.00		
20	QPSK	50	50	17.07	17.04	17.08		
20	QPSK	100	0	17.00	17.12	16.97		
20	16QAM	1	0	17.08	17.10	17.07	18.6	0
20	16QAM	1	49	16.94	17.03	16.93		
20	16QAM	1	99	17.08	16.92	16.97		
20	16QAM	50	0	16.92	17.09	16.94	18.6	0
20	16QAM	50	24	17.01	17.07	16.92		
20	16QAM	50	50	17.02	16.97	16.97		
20	16QAM	100	0	16.95	17.09	16.94		
20	64QAM	1	0	17.02	17.06	17.05	18.6	0
20	64QAM	1	49	16.98	17.06	16.97		
20	64QAM	1	99	17.08	16.94	16.99		
20	64QAM	50	0	16.93	17.06	16.91	18.6	0
20	64QAM	50	24	16.97	17.02	16.92		
20	64QAM	50	50	16.95	16.99	17.04		
20	64QAM	100	0	16.94	17.04	16.83		
20	256QAM	1	0	15.64	15.67	15.62	17.1	1.5
20	256QAM	1	49	15.47	15.57	15.53		
20	256QAM	1	99	15.55	15.52	15.47		
20	256QAM	50	0	15.53	15.63	15.42	17.1	1.5
20	256QAM	50	24	15.58	15.62	15.49		
20	256QAM	50	50	15.58	15.48	15.57		
20	256QAM	100	0	15.54	15.62	15.46		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	17.03	17.03	17.07	18.6	0
15	QPSK	1	37	16.93	17.01	16.96		
15	QPSK	1	74	16.99	16.92	16.94		
15	QPSK	36	0	16.89	17.06	16.87	18.6	0
15	QPSK	36	20	16.97	17.05	16.96		
15	QPSK	36	39	17.03	16.95	16.94		
15	QPSK	75	0	16.96	17.10	16.87		
15	16QAM	1	0	17.00	17.05	17.00	18.6	0
15	16QAM	1	37	16.91	16.96	16.85		
15	16QAM	1	74	16.99	16.84	16.95		
15	16QAM	36	0	16.82	17.04	16.83	18.6	0
15	16QAM	36	20	16.92	17.02	16.81		
15	16QAM	36	39	16.92	16.95	16.83		
15	16QAM	75	0	16.93	17.01	16.90		
15	64QAM	1	0	16.93	16.98	16.92	18.6	0
15	64QAM	1	37	16.87	17.02	16.83		
15	64QAM	1	74	17.02	16.91	16.88		
15	64QAM	36	0	16.89	16.95	16.78	18.6	0
15	64QAM	36	20	16.95	16.98	16.87		
15	64QAM	36	39	16.86	16.95	17.00		
15	64QAM	75	0	16.82	16.95	16.72		
15	256QAM	1	0	15.61	15.61	15.55	17.1	1.5
15	256QAM	1	37	15.40	15.52	15.48		
15	256QAM	1	74	15.48	15.49	15.44		
15	256QAM	36	0	15.46	15.59	15.31	17.1	1.5
15	256QAM	36	20	15.51	15.58	15.35		
15	256QAM	36	39	15.45	15.58	15.54		
15	256QAM	75	0	15.51	15.58	15.33		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	17.07	17.10	17.00	18.6	0
10	QPSK	1	25	16.98	17.02	16.87		
10	QPSK	1	49	17.07	16.91	16.96		
10	QPSK	25	0	16.96	17.08	16.94	18.6	0
10	QPSK	25	12	16.96	17.02	16.95		
10	QPSK	25	25	17.04	16.97	17.04		
10	QPSK	50	0	16.94	17.10	16.93		
10	16QAM	1	0	16.94	17.02	16.95	18.6	0
10	16QAM	1	25	16.84	17.01	16.89		
10	16QAM	1	49	16.94	16.84	16.93		
10	16QAM	25	0	16.85	16.97	16.85	18.6	0
10	16QAM	25	12	16.91	17.04	16.80		
10	16QAM	25	25	16.94	16.91	16.85		
10	16QAM	50	0	16.84	17.01	16.86		
10	64QAM	1	0	16.95	17.01	17.02	18.6	0
10	64QAM	1	25	16.94	17.01	16.83		
10	64QAM	1	49	16.95	16.85	16.94		
10	64QAM	25	0	16.90	17.03	16.80	18.6	0
10	64QAM	25	12	16.87	16.93	16.83		
10	64QAM	25	25	16.81	16.95	16.96		
10	64QAM	50	0	16.87	16.92	16.69		
10	256QAM	1	0	15.59	15.56	15.56	17.1	1.5
10	256QAM	1	25	15.43	15.45	15.48		
10	256QAM	1	49	15.52	15.45	15.42		
10	256QAM	25	0	15.51	15.57	15.30	17.1	1.5
10	256QAM	25	12	15.49	15.57	15.46		
10	256QAM	25	25	15.44	15.41	15.50		
10	256QAM	50	0	15.43	15.52	15.35		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	17.09	17.14	17.07	18.6	0
5	QPSK	1	12	16.98	17.08	16.97		
5	QPSK	1	24	17.05	16.94	16.96		
5	QPSK	12	0	16.97	17.04	16.91	18.6	0
5	QPSK	12	7	16.93	17.07	16.90		
5	QPSK	12	13	16.99	16.95	17.01		
5	QPSK	25	0	16.89	17.03	16.86		
5	16QAM	1	0	17.02	17.02	16.96	18.6	0
5	16QAM	1	12	16.86	17.00	16.86		
5	16QAM	1	24	16.95	16.85	16.88		
5	16QAM	12	0	16.83	16.97	16.82	18.6	0
5	16QAM	12	7	16.96	16.93	16.87		
5	16QAM	12	13	16.93	16.90	16.90		
5	16QAM	25	0	16.83	17.06	16.88		
5	64QAM	1	0	16.96	16.98	16.96	18.6	0
5	64QAM	1	12	16.90	16.97	16.94		
5	64QAM	1	24	16.97	16.81	16.89		
5	64QAM	12	0	16.89	16.96	16.89	18.6	0
5	64QAM	12	7	16.95	16.94	16.87		
5	64QAM	12	13	16.89	16.94	16.95		
5	64QAM	25	0	16.82	16.92	16.71		
5	256QAM	1	0	15.57	15.57	15.58	17.1	1.5
5	256QAM	1	12	15.36	15.53	15.50		
5	256QAM	1	24	15.51	15.40	15.42		
5	256QAM	12	0	15.39	15.53	15.33	17.1	1.5
5	256QAM	12	7	15.53	15.51	15.36		
5	256QAM	12	13	15.45	15.36	15.50		
5	256QAM	25	0	15.45	15.59	15.40		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	16.99	17.14	17.02	18.6	0
3	QPSK	1	8	16.87	17.07	16.87		
3	QPSK	1	14	17.05	17.02	16.93		
3	QPSK	8	0	16.99	17.08	16.84	18.6	0
3	QPSK	8	4	16.94	17.08	16.96		
3	QPSK	8	7	16.98	16.95	17.00		
3	QPSK	15	0	16.94	17.01	16.88		
3	16QAM	1	0	16.98	16.97	16.96	18.6	0
3	16QAM	1	8	16.84	16.95	16.82		
3	16QAM	1	14	16.99	16.79	16.93		
3	16QAM	8	0	16.84	16.97	16.82	18.6	0
3	16QAM	8	4	16.95	16.95	16.89		
3	16QAM	8	7	16.98	16.90	16.94		
3	16QAM	15	0	16.92	16.96	16.91		
3	64QAM	1	0	16.93	16.96	16.97	18.6	0
3	64QAM	1	8	16.95	16.92	16.93		
3	64QAM	1	14	17.00	16.90	16.90		
3	64QAM	8	0	16.87	16.99	16.87	18.6	0
3	64QAM	8	4	16.86	16.90	16.79		
3	64QAM	8	7	16.81	16.89	16.98		
3	64QAM	15	0	16.82	16.92	16.70		
3	256QAM	1	0	15.53	15.61	15.56	17.1	1.5
3	256QAM	1	8	15.44	15.47	15.41		
3	256QAM	1	14	15.53	15.47	15.34		
3	256QAM	8	0	15.48	15.55	15.34	17.1	1.5
3	256QAM	8	4	15.45	15.50	15.41		
3	256QAM	8	7	15.44	15.37	15.53		
3	256QAM	15	0	15.49	15.52	15.37		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	17.04	17.03	16.97	18.6	0
1.4	QPSK	1	3	16.93	16.98	16.96		
1.4	QPSK	1	5	17.03	16.96	16.92		
1.4	QPSK	3	0	17.01	17.00	16.83		
1.4	QPSK	3	1	17.00	17.05	16.88		
1.4	QPSK	3	3	16.96	16.99	16.99		
1.4	QPSK	6	0	16.94	17.04	16.93	18.6	0
1.4	16QAM	1	0	17.03	17.07	16.95	18.6	0
1.4	16QAM	1	3	16.87	16.93	16.80		
1.4	16QAM	1	5	16.96	16.84	16.85		
1.4	16QAM	3	0	16.81	17.01	16.88		
1.4	16QAM	3	1	16.90	16.94	16.85		
1.4	16QAM	3	3	16.93	16.90	16.95		
1.4	16QAM	6	0	16.84	17.04	16.90	18.6	0
1.4	64QAM	1	0	16.99	17.04	16.95	18.6	0
1.4	64QAM	1	3	16.91	16.92	16.92		
1.4	64QAM	1	5	17.04	16.84	16.97		
1.4	64QAM	3	0	16.79	16.99	16.83		
1.4	64QAM	3	1	16.92	16.95	16.78		
1.4	64QAM	3	3	16.90	16.94	17.00		
1.4	64QAM	6	0	16.92	16.90	16.73	18.6	0
1.4	256QAM	1	0	15.57	15.64	15.54	17.1	1.5
1.4	256QAM	1	3	15.36	15.49	15.51		
1.4	256QAM	1	5	15.51	15.49	15.42		
1.4	256QAM	3	0	15.44	15.50	15.37		
1.4	256QAM	3	1	15.51	15.59	15.46		
1.4	256QAM	3	3	15.52	15.35	15.45		
1.4	256QAM	6	0	15.40	15.59	15.35	17.1	1.5

Band 38 Ant7 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.61	19.65	19.58	21.3	0
20	QPSK	1	49	19.58	19.60	19.44		
20	QPSK	1	99	19.54	19.53	19.47		
20	QPSK	50	0	19.50	19.62	19.47	21.3	0
20	QPSK	50	24	19.50	19.59	19.49		
20	QPSK	50	50	19.58	19.55	19.51		
20	QPSK	100	0	19.52	19.58	19.53		
20	16QAM	1	0	19.51	19.55	19.52	21.3	0
20	16QAM	1	49	19.48	19.50	19.38		
20	16QAM	1	99	19.48	19.41	19.34		
20	16QAM	50	0	19.45	19.52	19.37	21.3	0
20	16QAM	50	24	19.41	19.48	19.41		
20	16QAM	50	50	19.55	19.52	19.43		
20	16QAM	100	0	19.39	19.54	19.44		
20	64QAM	1	0	19.52	19.51	19.48	21.3	0
20	64QAM	1	49	19.50	19.53	19.35		
20	64QAM	1	99	19.47	19.41	19.36		
20	64QAM	50	0	18.60	18.67	18.56	20.3	1
20	64QAM	50	24	18.53	18.56	18.46		
20	64QAM	50	50	18.54	18.51	18.47		
20	64QAM	100	0	18.47	18.63	18.51		
20	256QAM	1	0	16.62	16.70	16.64	18.3	3
20	256QAM	1	49	16.61	16.57	16.38		
20	256QAM	1	99	16.52	16.58	16.44		
20	256QAM	50	0	16.51	16.62	16.52	18.3	3
20	256QAM	50	24	16.55	16.59	16.44		
20	256QAM	50	50	16.54	16.56	16.57		
20	256QAM	100	0	16.50	16.53	16.52		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.57	19.58	19.55	21.3	0
15	QPSK	1	37	19.60	19.52	19.46		
15	QPSK	1	74	19.52	19.46	19.46		
15	QPSK	36	0	19.43	19.63	19.48	21.3	0
15	QPSK	36	20	19.44	19.62	19.46		
15	QPSK	36	39	19.53	19.58	19.54		
15	QPSK	75	0	19.47	19.61	19.45		
15	16QAM	1	0	19.52	19.51	19.53	21.3	0
15	16QAM	1	37	19.48	19.47	19.33		
15	16QAM	1	74	19.49	19.42	19.37		
15	16QAM	36	0	19.43	19.53	19.30	21.3	0
15	16QAM	36	20	19.33	19.41	19.36		
15	16QAM	36	39	19.47	19.55	19.45		
15	16QAM	75	0	19.38	19.51	19.47		
15	64QAM	1	0	19.52	19.45	19.43	21.3	0
15	64QAM	1	37	19.46	19.55	19.38		
15	64QAM	1	74	19.46	19.36	19.37		
15	64QAM	36	0	18.63	18.70	18.49	20.3	1
15	64QAM	36	20	18.52	18.51	18.44		
15	64QAM	36	39	18.50	18.52	18.51		
15	64QAM	75	0	18.41	18.66	18.51		
15	256QAM	1	0	16.64	16.64	16.61	18.3	3
15	256QAM	1	37	16.61	16.56	16.30		
15	256QAM	1	74	16.45	16.56	16.45		
15	256QAM	36	0	16.51	16.63	16.46	18.3	3
15	256QAM	36	20	16.52	16.58	16.39		
15	256QAM	36	39	16.54	16.49	16.55		
15	256QAM	75	0	16.45	16.55	16.47		
Channel				37800	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.59	19.61	19.58	21.3	0
10	QPSK	1	25	19.61	19.64	19.47		
10	QPSK	1	49	19.58	19.46	19.40		
10	QPSK	25	0	19.52	19.60	19.41	21.3	0
10	QPSK	25	12	19.50	19.60	19.48		
10	QPSK	25	25	19.53	19.56	19.48		
10	QPSK	50	0	19.54	19.59	19.53		
10	16QAM	1	0	19.55	19.53	19.45	21.3	0
10	16QAM	1	25	19.45	19.45	19.34		
10	16QAM	1	49	19.43	19.38	19.37		
10	16QAM	25	0	19.42	19.53	19.38	21.3	0
10	16QAM	25	12	19.41	19.52	19.35		
10	16QAM	25	25	19.52	19.47	19.44		
10	16QAM	50	0	19.37	19.47	19.38		
10	64QAM	1	0	19.45	19.45	19.47	21.3	0
10	64QAM	1	25	19.48	19.57	19.38		
10	64QAM	1	49	19.49	19.42	19.38		
10	64QAM	25	0	18.64	18.62	18.57	20.3	1
10	64QAM	25	12	18.47	18.54	18.39		
10	64QAM	25	25	18.52	18.52	18.48		
10	64QAM	50	0	18.45	18.59	18.51		
10	256QAM	1	0	16.54	16.62	16.67	18.3	3
10	256QAM	1	25	16.54	16.58	16.38		
10	256QAM	1	49	16.55	16.56	16.44		
10	256QAM	25	0	16.44	16.66	16.49	18.3	3
10	256QAM	25	12	16.51	16.63	16.41		
10	256QAM	25	25	16.56	16.49	16.56		
10	256QAM	50	0	16.51	16.47	16.50		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.61	19.62	19.53	21.3	0
5	QPSK	1	12	19.62	19.57	19.42		
5	QPSK	1	24	19.48	19.50	19.46		
5	QPSK	12	0	19.54	19.62	19.43	21.3	0
5	QPSK	12	7	19.49	19.60	19.43		
5	QPSK	12	13	19.57	19.56	19.47		
5	QPSK	25	0	19.44	19.53	19.47		
5	16QAM	1	0	19.52	19.58	19.54	21.3	0
5	16QAM	1	12	19.41	19.46	19.31		
5	16QAM	1	24	19.42	19.38	19.30		
5	16QAM	12	0	19.45	19.49	19.33	21.3	0
5	16QAM	12	7	19.42	19.41	19.39		
5	16QAM	12	13	19.49	19.55	19.43		
5	16QAM	25	0	19.32	19.57	19.39		
5	64QAM	1	0	19.45	19.46	19.49	21.3	0
5	64QAM	1	12	19.45	19.52	19.32		
5	64QAM	1	24	19.40	19.42	19.31		
5	64QAM	12	0	18.59	18.69	18.50	20.3	1
5	64QAM	12	7	18.51	18.55	18.50		
5	64QAM	12	13	18.47	18.51	18.41		
5	64QAM	25	0	18.42	18.55	18.55		
5	256QAM	1	0	16.58	16.69	16.58	18.3	3
5	256QAM	1	12	16.63	16.52	16.32		
5	256QAM	1	24	16.48	16.52	16.45		
5	256QAM	12	0	16.54	16.68	16.49	18.3	3
5	256QAM	12	7	16.50	16.57	16.38		
5	256QAM	12	13	16.55	16.57	16.50		
5	256QAM	25	0	16.49	16.50	16.44		

Band 41 Ant7 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.68	19.71	19.74	19.66	19.69	21.3	0
20	QPSK	1	49	19.67	19.63	19.67	19.56	19.59		
20	QPSK	1	99	19.62	19.60	19.69	19.66	19.66		
20	QPSK	50	0	19.66	19.66	19.71	19.61	19.62	21.3	0
20	QPSK	50	24	19.64	19.64	19.70	19.65	19.59		
20	QPSK	50	50	19.66	19.62	19.65	19.64	19.62		
20	QPSK	100	0	19.58	19.61	19.70	19.62	19.65		
20	16QAM	1	0	19.67	19.65	19.62	19.59	19.59	21.3	0
20	16QAM	1	49	19.67	19.54	19.65	19.53	19.50		
20	16QAM	1	99	19.56	19.58	19.66	19.64	19.57		
20	16QAM	50	0	19.65	19.65	19.65	19.53	19.59	21.3	0
20	16QAM	50	24	19.63	19.63	19.63	19.56	19.57		
20	16QAM	50	50	19.63	19.55	19.57	19.63	19.61		
20	16QAM	100	0	19.46	19.54	19.64	19.61	19.64		
20	64QAM	1	0	19.59	19.70	19.67	19.65	19.61	21.3	0
20	64QAM	1	49	19.65	19.57	19.56	19.53	19.54		
20	64QAM	1	99	19.52	19.57	19.60	19.57	19.66		
20	64QAM	50	0	18.68	18.69	18.77	18.71	18.68	20.3	1
20	64QAM	50	24	18.61	18.57	18.71	18.54	18.55		
20	64QAM	50	50	18.66	18.65	18.71	18.64	18.68		
20	64QAM	100	0	18.61	18.65	18.74	18.64	18.58		
20	256QAM	1	0	16.65	16.73	16.77	16.70	16.63	18.3	3
20	256QAM	1	49	16.63	16.61	16.67	16.57	16.64		
20	256QAM	1	99	16.61	16.63	16.68	16.68	16.66		
20	256QAM	50	0	16.67	16.64	16.66	16.58	16.68	18.3	3
20	256QAM	50	24	16.69	16.62	16.69	16.67	16.58		
20	256QAM	50	50	16.67	16.63	16.59	16.64	16.66		
20	256QAM	100	0	16.60	16.66	16.65	16.64	16.61		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.60	19.58	19.63	19.55	19.57	21	0
15	QPSK	1	37	19.59	19.60	19.58	19.42	19.47		
15	QPSK	1	74	19.51	19.50	19.59	19.58	19.61		
15	QPSK	36	0	19.52	19.59	19.65	19.54	19.51	21.3	0
15	QPSK	36	20	19.56	19.60	19.63	19.52	19.53		
15	QPSK	36	39	19.60	19.57	19.57	19.61	19.51		
15	QPSK	75	0	19.46	19.48	19.57	19.52	19.58		
15	16QAM	1	0	19.61	19.52	19.53	19.56	19.57	21.3	0
15	16QAM	1	37	19.58	19.51	19.52	19.41	19.40		
15	16QAM	1	74	19.49	19.51	19.56	19.62	19.47		
15	16QAM	36	0	19.58	19.63	19.58	19.50	19.48	21.3	0
15	16QAM	36	20	19.50	19.50	19.53	19.51	19.47		
15	16QAM	36	39	19.50	19.48	19.54	19.60	19.58		
15	16QAM	75	0	19.39	19.42	19.54	19.49	19.59		
15	64QAM	1	0	19.48	19.62	19.56	19.56	19.52	21.3	0
15	64QAM	1	37	19.57	19.45	19.50	19.50	19.48		
15	64QAM	1	74	19.38	19.55	19.47	19.49	19.63		
15	64QAM	36	0	18.62	18.62	18.74	18.62	18.55	20.3	1
15	64QAM	36	20	18.48	18.52	18.69	18.47	18.46		
15	64QAM	36	39	18.55	18.63	18.61	18.55	18.57		
15	64QAM	75	0	18.59	18.53	18.69	18.59	18.49		
15	256QAM	1	0	16.52	16.70	16.75	16.64	16.55	18.3	3
15	256QAM	1	37	16.58	16.50	16.56	16.44	16.50		
15	256QAM	1	74	16.53	16.53	16.56	16.57	16.62		
15	256QAM	36	0	16.59	16.58	16.54	16.45	16.63	18.3	3
15	256QAM	36	20	16.55	16.52	16.58	16.58	16.45		
15	256QAM	36	39	16.55	16.52	16.47	16.59	16.60		
15	256QAM	75	0	16.56	16.62	16.56	16.56	16.54		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.54	19.63	19.70	19.58	19.59	21	0
10	QPSK	1	25	19.56	19.60	19.58	19.54	19.45		
10	QPSK	1	49	19.53	19.46	19.65	19.54	19.54		
10	QPSK	25	0	19.59	19.57	19.64	19.55	19.55	21.3	0
10	QPSK	25	12	19.54	19.58	19.62	19.55	19.53		
10	QPSK	25	25	19.63	19.51	19.55	19.60	19.54		
10	QPSK	50	0	19.56	19.55	19.58	19.58	19.58		
10	16QAM	1	0	19.58	19.60	19.53	19.55	19.48	21.3	0
10	16QAM	1	25	19.56	19.44	19.63	19.47	19.43		
10	16QAM	1	49	19.45	19.53	19.54	19.53	19.53		
10	16QAM	25	0	19.61	19.53	19.54	19.49	19.48	21.3	0
10	16QAM	25	12	19.53	19.59	19.57	19.54	19.43		
10	16QAM	25	25	19.59	19.44	19.51	19.55	19.52		
10	16QAM	50	0	19.38	19.41	19.61	19.48	19.53		
10	64QAM	1	0	19.50	19.58	19.64	19.55	19.49	21.3	0
10	64QAM	1	25	19.51	19.52	19.47	19.49	19.47		
10	64QAM	1	49	19.39	19.52	19.52	19.51	19.61		
10	64QAM	25	0	18.62	18.61	18.72	18.61	18.54	20.3	1
10	64QAM	25	12	18.47	18.44	18.66	18.50	18.50		
10	64QAM	25	25	18.52	18.51	18.67	18.53	18.59		
10	64QAM	50	0	18.48	18.52	18.67	18.51	18.49		
10	256QAM	1	0	16.53	16.60	16.70	16.60	16.60	18.3	3
10	256QAM	1	25	16.57	16.50	16.57	16.48	16.53		
10	256QAM	1	49	16.57	16.54	16.58	16.55	16.52		
10	256QAM	25	0	16.54	16.51	16.53	16.53	16.57	18.3	3
10	256QAM	25	12	16.60	16.50	16.58	16.57	16.48		
10	256QAM	25	25	16.59	16.56	16.51	16.61	16.57		
10	256QAM	50	0	16.57	16.62	16.54	16.55	16.55		
Channel				39675	40148	40620	41093	41565	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.65	19.69	19.65	19.58	19.61	21	0
5	QPSK	1	12	19.61	19.57	19.61	19.49	19.45		
5	QPSK	1	24	19.56	19.57	19.66	19.53	19.58		
5	QPSK	12	0	19.64	19.53	19.61	19.53	19.52	21.3	0
5	QPSK	12	7	19.59	19.52	19.65	19.60	19.53		
5	QPSK	12	13	19.61	19.53	19.52	19.60	19.54		
5	QPSK	25	0	19.54	19.50	19.59	19.57	19.61		
5	16QAM	1	0	19.63	19.52	19.52	19.55	19.57	21.3	0
5	16QAM	1	12	19.61	19.47	19.52	19.46	19.38		
5	16QAM	1	24	19.43	19.49	19.62	19.55	19.54		
5	16QAM	12	0	19.54	19.58	19.53	19.49	19.55	21.3	0
5	16QAM	12	7	19.49	19.57	19.59	19.44	19.49		
5	16QAM	12	13	19.58	19.47	19.45	19.50	19.51		
5	16QAM	25	0	19.42	19.51	19.51	19.58	19.60		
5	64QAM	1	0	19.53	19.62	19.55	19.61	19.51	21.3	0
5	64QAM	1	12	19.51	19.47	19.49	19.48	19.47		
5	64QAM	1	24	19.48	19.55	19.48	19.47	19.61		
5	64QAM	12	0	18.60	18.61	18.64	18.63	18.63	20.3	1
5	64QAM	12	7	18.55	18.46	18.59	18.46	18.42		
5	64QAM	12	13	18.58	18.53	18.68	18.53	18.54		
5	64QAM	25	0	18.56	18.57	18.69	18.56	18.54		
5	256QAM	1	0	16.61	16.70	16.68	16.59	16.58	18.3	3
5	256QAM	1	12	16.57	16.50	16.63	16.44	16.59		
5	256QAM	1	24	16.51	16.51	16.63	16.55	16.62		
5	256QAM	12	0	16.61	16.60	16.61	16.46	16.58	18.3	3
5	256QAM	12	7	16.55	16.56	16.57	16.65	16.46		
5	256QAM	12	13	16.55	16.55	16.53	16.58	16.56		
5	256QAM	25	0	16.57	16.52	16.56	16.53	16.51		

Band 42 Ant10 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	24.92	25.06	24.97	26	0
20	QPSK	1	49	24.91	25.02	24.88		
20	QPSK	1	99	24.88	24.97	24.87		
20	QPSK	50	0	23.94	24.15	23.97	25	1
20	QPSK	50	24	23.92	24.10	24.03		
20	QPSK	50	50	23.89	24.00	23.93		
20	QPSK	100	0	24.04	24.12	24.00		
20	16QAM	1	0	23.97	24.06	23.99	25	1
20	16QAM	1	49	23.97	24.07	23.99		
20	16QAM	1	99	24.00	24.11	23.94		
20	16QAM	50	0	22.99	23.03	22.96	24	2
20	16QAM	50	24	23.04	23.06	23.08		
20	16QAM	50	50	22.95	23.10	22.97		
20	16QAM	100	0	22.97	23.08	23.03		
20	64QAM	1	0	22.90	23.15	22.95	24	2
20	64QAM	1	49	22.93	23.18	22.97		
20	64QAM	1	99	22.98	23.14	23.02		
20	64QAM	50	0	21.89	22.12	22.03	23	3
20	64QAM	50	24	21.98	22.13	22.04		
20	64QAM	50	50	22.04	22.13	21.93		
20	64QAM	100	0	21.95	22.12	21.93		
20	256QAM	1	0	19.95	20.07	20.07	21	5
20	256QAM	1	49	19.94	20.13	19.97		
20	256QAM	1	99	19.95	20.02	19.96		
20	256QAM	50	0	19.88	20.08	20.00	21	5
20	256QAM	50	24	19.91	20.13	20.00		
20	256QAM	50	50	19.97	20.18	19.92		
20	256QAM	100	0	19.88	20.10	20.05		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	24.84	25.00	24.89	26	0
15	QPSK	1	37	24.76	24.93	24.76		
15	QPSK	1	74	24.83	24.88	24.73		
15	QPSK	36	0	23.90	23.97	23.86	25	1
15	QPSK	36	20	23.83	24.02	23.95		
15	QPSK	36	39	23.75	23.88	23.83		
15	QPSK	75	0	23.92	24.05	23.95		
15	16QAM	1	0	23.88	24.00	23.86	25	1
15	16QAM	1	37	23.86	23.93	23.85		
15	16QAM	1	74	23.95	24.03	23.81		
15	16QAM	36	0	22.83	22.88	22.84	24	2
15	16QAM	36	20	22.91	23.00	22.99		
15	16QAM	36	39	22.80	23.00	22.89		
15	16QAM	75	0	22.86	22.96	22.96		
15	64QAM	1	0	22.80	23.10	22.81	24	2
15	64QAM	1	37	22.78	23.07	22.89		
15	64QAM	1	74	22.91	23.00	22.98		
15	64QAM	36	0	21.85	22.06	21.88	23	3
15	64QAM	36	20	21.85	21.98	21.98		
15	64QAM	36	39	21.93	22.07	21.81		
15	64QAM	75	0	21.80	22.06	21.85		
15	256QAM	1	0	19.85	20.01	19.92	21	5
15	256QAM	1	37	19.79	20.06	19.90		
15	256QAM	1	74	19.80	19.96	19.89		
15	256QAM	36	0	19.75	19.97	19.90	21	5
15	256QAM	36	20	19.87	19.98	19.91		
15	256QAM	36	39	19.91	20.02	19.78		
15	256QAM	75	0	19.76	19.97	19.92		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	24.83	24.94	24.86	26	0
10	QPSK	1	25	24.78	24.86	24.74		
10	QPSK	1	49	24.79	24.90	24.76		
10	QPSK	25	0	23.82	23.93	23.93	25	1
10	QPSK	25	12	23.83	23.96	23.91		
10	QPSK	25	25	23.85	23.96	23.81		
10	QPSK	50	0	23.95	24.00	23.86		
10	16QAM	1	0	23.83	23.90	23.92	25	1
10	16QAM	1	25	23.90	23.94	23.91		
10	16QAM	1	49	23.85	24.02	23.86		
10	16QAM	25	0	22.83	22.94	22.92	24	2
10	16QAM	25	12	22.97	22.99	22.96		
10	16QAM	25	25	22.80	22.99	22.92		
10	16QAM	50	0	22.89	22.98	22.94		
10	64QAM	1	0	22.75	23.03	22.85	24	2
10	64QAM	1	25	22.79	23.07	22.85		
10	64QAM	1	49	22.90	23.03	22.89		
10	64QAM	25	0	21.80	22.04	21.88	23	3
10	64QAM	25	12	21.91	22.07	21.94		
10	64QAM	25	25	21.99	22.03	21.78		
10	64QAM	50	0	21.83	22.03	21.86		
10	256QAM	1	0	19.87	19.92	20.00	21	5
10	256QAM	1	25	19.81	20.02	19.87		
10	256QAM	1	49	19.86	19.97	19.85		
10	256QAM	25	0	19.76	20.04	19.94	21	5
10	256QAM	25	12	19.78	20.00	19.93		
10	256QAM	25	25	19.89	20.06	19.85		
10	256QAM	50	0	19.74	20.05	19.94		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	24.83	24.90	24.82	26	0
5	QPSK	1	12	24.76	24.89	24.81		
5	QPSK	1	24	24.75	24.92	24.79		
5	QPSK	12	0	23.90	23.92	23.81	25	1
5	QPSK	12	7	23.81	24.01	23.90		
5	QPSK	12	13	23.78	23.90	23.84		
5	QPSK	25	0	23.95	24.03	23.93		
5	16QAM	1	0	23.87	24.00	23.83	25	1
5	16QAM	1	12	23.85	23.97	23.94		
5	16QAM	1	24	23.95	24.00	23.82		
5	16QAM	12	0	22.83	22.96	22.91	24	2
5	16QAM	12	7	22.96	22.99	22.95		
5	16QAM	12	13	22.90	23.05	22.92		
5	16QAM	25	0	22.84	22.92	22.88		
5	64QAM	1	0	22.82	23.05	22.83	24	2
5	64QAM	1	12	22.89	23.09	22.90		
5	64QAM	1	24	22.83	23.07	22.93		
5	64QAM	12	0	21.83	22.02	21.90	23	3
5	64QAM	12	7	21.88	22.07	21.93		
5	64QAM	12	13	21.88	22.07	21.78		
5	64QAM	25	0	21.90	22.06	21.87		
5	256QAM	1	0	19.89	19.96	20.00	21	5
5	256QAM	1	12	19.88	20.06	19.89		
5	256QAM	1	24	19.87	19.90	19.87		
5	256QAM	12	0	19.82	20.03	19.94	21	5
5	256QAM	12	7	19.77	19.99	19.95		
5	256QAM	12	13	19.87	20.06	19.77		
5	256QAM	25	0	19.75	20.05	19.97		

Band 48 Ant10 DSI1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	23.29	23.57	23.31	23.36	25	0
20	QPSK	1	49	23.37	23.38	23.30	23.36		
20	QPSK	1	99	23.46	23.47	23.39	23.40		
20	QPSK	50	0	22.48	22.61	22.50	22.47	24	1
20	QPSK	50	24	22.47	22.51	22.49	22.54		
20	QPSK	50	50	22.33	22.59	22.45	22.48		
20	QPSK	100	0	22.32	22.57	22.38	22.51		
20	16QAM	1	0	22.43	22.56	22.40	22.47	24	1
20	16QAM	1	49	22.52	22.55	22.55	22.52		
20	16QAM	1	99	22.44	22.52	22.42	22.52		
20	16QAM	50	0	21.40	21.59	21.42	21.40	23	2
20	16QAM	50	24	21.46	21.59	21.47	21.54		
20	16QAM	50	50	21.42	21.49	21.48	21.41		
20	16QAM	100	0	21.42	21.59	21.38	21.45		
20	64QAM	1	0	21.41	21.54	21.41	21.51	23	2
20	64QAM	1	49	21.40	21.50	21.40	21.46		
20	64QAM	1	99	21.37	21.56	21.39	21.42		
20	64QAM	50	0	20.35	20.53	20.39	20.47	22	3
20	64QAM	50	24	20.38	20.60	20.39	20.50		
20	64QAM	50	50	20.48	20.66	20.47	20.41		
20	64QAM	100	0	20.46	20.58	20.43	20.41		
20	256QAM	1	0	18.37	18.52	18.51	18.36	20	5
20	256QAM	1	49	18.47	18.55	18.52	18.46		
20	256QAM	1	99	18.49	18.47	18.41	18.39		
20	256QAM	50	0	18.51	18.49	18.45	18.49	20	5
20	256QAM	50	24	18.42	18.55	18.40	18.39		
20	256QAM	50	50	18.52	18.59	18.49	18.47		
20	256QAM	100	0	18.43	18.51	18.48	18.51		
Channel				55315	55820	56160	56665	Tune-up limit	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	23.21	23.48	23.22	23.22	25	0
15	QPSK	1	37	23.30	23.31	23.22	23.26		
15	QPSK	1	74	23.40	23.33	23.33	23.25		
15	QPSK	36	0	22.36	22.48	22.42	22.32	24	1
15	QPSK	36	20	22.32	22.41	22.35	22.40		
15	QPSK	36	39	22.23	22.44	22.34	22.38		
15	QPSK	75	0	22.18	22.42	22.30	22.40		
15	16QAM	1	0	22.28	22.42	22.30	22.35	24	1
15	16QAM	1	37	22.44	22.48	22.42	22.40		
15	16QAM	1	74	22.31	22.38	22.35	22.38		
15	16QAM	36	0	21.35	21.54	21.36	21.35	23	2
15	16QAM	36	20	21.34	21.43	21.40	21.49		
15	16QAM	36	39	21.27	21.40	21.41	21.31		
15	16QAM	75	0	21.37	21.53	21.26	21.40		
15	64QAM	1	0	21.37	21.46	21.34	21.39	23	2
15	64QAM	1	37	21.28	21.37	21.26	21.33		
15	64QAM	1	74	21.23	21.42	21.23	21.35		
15	64QAM	36	0	20.29	20.37	20.29	20.33	22	3
15	64QAM	36	20	20.32	20.55	20.33	20.37		
15	64QAM	36	39	20.42	20.51	20.36	20.32		
15	64QAM	75	0	20.31	20.43	20.29	20.36		
15	256QAM	1	0	18.30	18.48	18.38	18.27	20	5
15	256QAM	1	37	18.31	18.46	18.41	18.36		
15	256QAM	1	74	18.35	18.38	18.36	18.24		
15	256QAM	36	0	18.38	18.41	18.40	18.45	20	5
15	256QAM	36	20	18.36	18.46	18.33	18.23		
15	256QAM	36	39	18.36	18.50	18.44	18.33		
15	256QAM	75	0	18.31	18.45	18.36	18.35		
Channel				55290	55815	56165	56690	Tune-up limit	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	23.23	23.44	23.18	23.24	25	0
10	QPSK	1	25	23.31	23.33	23.14	23.22		
10	QPSK	1	49	23.41	23.34	23.31	23.27		
10	QPSK	25	0	22.37	22.47	22.34	22.42	24	1
10	QPSK	25	12	22.37	22.39	22.36	22.40		
10	QPSK	25	25	22.23	22.49	22.37	22.38		
10	QPSK	50	0	22.22	22.41	22.25	22.38		
10	16QAM	1	0	22.34	22.44	22.25	22.32	24	1
10	16QAM	1	25	22.42	22.45	22.49	22.40		
10	16QAM	1	49	22.33	22.46	22.32	22.41		
10	16QAM	25	0	21.30	21.52	21.30	21.30	23	2
10	16QAM	25	12	21.36	21.47	21.31	21.49		
10	16QAM	25	25	21.38	21.39	21.43	21.28		
10	16QAM	50	0	21.36	21.47	21.25	21.37		
10	64QAM	1	0	21.36	21.40	21.34	21.44	23	2
10	64QAM	1	25	21.32	21.34	21.27	21.36		
10	64QAM	1	49	21.25	21.46	21.24	21.35		
10	64QAM	25	0	20.20	20.46	20.26	20.36	22	3
10	64QAM	25	12	20.31	20.44	20.32	20.39		
10	64QAM	25	25	20.34	20.55	20.41	20.37		
10	64QAM	50	0	20.30	20.43	20.33	20.25		
10	256QAM	1	0	18.30	18.46	18.43	18.22	20	5
10	256QAM	1	25	18.34	18.45	18.46	18.36		
10	256QAM	1	49	18.41	18.42	18.30	18.27		
10	256QAM	25	0	18.38	18.42	18.41	18.38	20	5
10	256QAM	25	12	18.35	18.40	18.32	18.32		
10	256QAM	25	25	18.41	18.48	18.36	18.41		
10	256QAM	50	0	18.29	18.47	18.41	18.44		
Channel				55265	55410	55770	56715	Tune-up limit	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	23.23	23.42	23.21	23.20	25	0
5	QPSK	1	12	23.22	23.33	23.25	23.24		
5	QPSK	1	24	23.41	23.33	23.24	23.25		
5	QPSK	12	0	22.32	22.50	22.36	22.41	24	1
5	QPSK	12	7	22.35	22.40	22.39	22.42		
5	QPSK	12	13	22.28	22.45	22.34	22.34		
5	QPSK	25	0	22.27	22.47	22.32	22.45		
5	16QAM	1	0	22.34	22.51	22.31	22.40	24	1
5	16QAM	1	12	22.39	22.47	22.50	22.41		
5	16QAM	1	24	22.28	22.42	22.32	22.47		
5	16QAM	12	0	21.28	21.48	21.33	21.31	23	2
5	16QAM	12	7	21.34	21.55	21.31	21.41		
5	16QAM	12	13	21.33	21.40	21.41	21.32		
5	16QAM	25	0	21.28	21.43	21.29	21.34		
5	64QAM	1	0	21.25	21.46	21.32	21.47	23	2
5	64QAM	1	12	21.30	21.43	21.31	21.34		
5	64QAM	1	24	21.31	21.52	21.30	21.31		
5	64QAM	12	0	20.24	20.43	20.26	20.39	22	3
5	64QAM	12	7	20.22	20.50	20.29	20.39		
5	64QAM	12	13	20.37	20.53	20.43	20.26		
5	64QAM	25	0	20.40	20.54	20.31	20.30		
5	256QAM	1	0	18.29	18.37	18.38	18.24	20	5
5	256QAM	1	12	18.32	18.44	18.38	18.38		
5	256QAM	1	24	18.36	18.38	18.32	18.25		
5	256QAM	12	0	18.40	18.41	18.35	18.34	20	5
5	256QAM	12	7	18.37	18.50	18.32	18.26		
5	256QAM	12	13	18.47	18.44	18.41	18.36		
5	256QAM	25	0	18.39	18.43	18.34	18.38		

Reduced Power Mode for DSI3_Main PA

GSM850 Ant0 DSI3

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.51	33.28	33.61	34.00	24.51	24.28	24.61	25.00
GPRS 1 Tx slot	33.61	33.38	33.69	34.00	24.61	24.38	24.69	25.00
GPRS 2 Tx slots	30.48	30.49	30.39	31.00	24.48	24.49	24.39	25.00
GPRS 3 Tx slots	28.60	28.67	28.81	29.20	24.34	24.41	24.55	24.94
GPRS 4 Tx slots	26.88	26.89	26.81	28.00	23.88	23.89	23.81	25.00
EDGE 1 Tx slot	26.75	27.23	27.04	28.00	17.75	18.23	18.04	19.00
EDGE 2 Tx slots	23.94	24.39	24.22	25.00	17.94	18.39	18.22	19.00
EDGE 3 Tx slots	22.15	22.45	22.34	23.20	17.89	18.19	18.08	18.94
EDGE 4 Tx slots	20.31	20.81	20.34	22.00	17.31	17.81	17.34	19.00

WCDMA V Ant0 DSI3

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.31	24.40	24.26	25.00
3GPP Rel 99	RMC 12.2Kbps	24.41	24.43	24.37	25.00
3GPP Rel 6	HSDPA Subtest-1	23.47	23.43	23.43	24.00
3GPP Rel 6	HSDPA Subtest-2	23.42	23.48	23.43	24.00
3GPP Rel 6	HSDPA Subtest-3	22.90	22.96	22.92	23.50
3GPP Rel 6	HSDPA Subtest-4	22.89	22.99	22.89	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.46	23.40	23.37	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.38	23.40	23.36	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.87	22.93	22.92	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.92	22.92	22.88	23.50
3GPP Rel 6	HSUPA Subtest-1	23.39	23.43	23.36	24.00
3GPP Rel 6	HSUPA Subtest-2	21.46	21.45	21.33	22.00
3GPP Rel 6	HSUPA Subtest-3	22.38	22.39	22.38	23.00
3GPP Rel 6	HSUPA Subtest-4	21.44	21.47	21.39	22.00
3GPP Rel 6	HSUPA Subtest-5	23.42	23.41	23.36	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.94	20.98	20.91	21.50

Band 5 Ant0 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	25.17	25.25	25.18	25.7	0
10	QPSK	1	25	25.04	25.20	25.08		
10	QPSK	1	49	25.04	25.17	25.14		
10	QPSK	25	0	24.13	24.28	24.12	24.7	1
10	QPSK	25	12	24.06	24.24	24.13		
10	QPSK	25	25	24.03	24.14	24.10		
10	QPSK	50	0	24.22	24.27	24.21		
10	16QAM	1	0	24.12	24.26	24.23	24.7	1
10	16QAM	1	25	24.05	24.14	24.09		
10	16QAM	1	49	24.00	24.18	24.18		
10	16QAM	25	0	23.18	23.27	23.18	23.7	2
10	16QAM	25	12	23.08	23.30	23.12		
10	16QAM	25	25	22.99	23.10	23.14		
10	16QAM	50	0	23.28	23.21	23.24		
10	64QAM	1	0	23.08	23.27	23.27	23.7	2
10	64QAM	1	25	22.99	23.09	23.06		
10	64QAM	1	49	23.01	23.22	23.21		
10	64QAM	25	0	22.13	22.22	22.08	22.7	3
10	64QAM	25	12	22.00	22.25	22.11		
10	64QAM	25	25	22.06	22.11	22.14		
10	64QAM	50	0	22.16	22.23	22.18		
10	256QAM	1	0	20.16	20.33	20.15	20.7	5
10	256QAM	1	25	20.05	20.20	20.08		
10	256QAM	1	49	20.07	20.10	20.05		
10	256QAM	25	0	20.26	20.32	20.21	20.7	5
10	256QAM	25	12	20.09	20.24	20.18		
10	256QAM	25	25	20.01	20.13	20.05		
10	256QAM	50	0	20.03	20.17	20.18		
Channel				20425	20525	20625	Tune-up limit	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	25.08	25.14	25.10	25.7	0
5	QPSK	1	12	24.98	25.09	25.04		
5	QPSK	1	24	24.95	25.04	25.06		
5	QPSK	12	0	24.10	24.23	24.05	24.7	1
5	QPSK	12	7	23.95	24.17	24.09		
5	QPSK	12	13	23.98	24.03	24.00		
5	QPSK	25	0	24.18	24.17	24.09		
5	16QAM	1	0	24.01	24.14	24.15	24.7	1
5	16QAM	1	12	24.01	24.10	24.04		
5	16QAM	1	24	23.91	24.07	24.14		
5	16QAM	12	0	23.10	23.20	23.05	23.7	2
5	16QAM	12	7	23.05	23.17	23.02		
5	16QAM	12	13	22.95	23.04	23.03		
5	16QAM	25	0	23.21	23.09	23.22		
5	64QAM	1	0	23.02	23.23	23.16	23.7	2
5	64QAM	1	12	22.96	22.96	22.93		
5	64QAM	1	24	22.97	23.12	23.13		
5	64QAM	12	0	22.10	22.17	22.05	22.7	3
5	64QAM	12	7	21.95	22.19	22.04		
5	64QAM	12	13	22.00	22.06	22.11		
5	64QAM	25	0	22.03	22.10	22.13		
5	256QAM	1	0	20.06	20.25	20.04	20.7	5
5	256QAM	1	12	19.94	20.15	20.05		
5	256QAM	1	24	19.96	20.01	20.00		
5	256QAM	12	0	20.14	20.19	20.19	20.7	5
5	256QAM	12	7	20.05	20.13	20.14		
5	256QAM	12	13	19.98	20.03	19.95		
5	256QAM	25	0	19.99	20.08	20.14		
Channel				20415	20525	20635	Tune-up limit	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	25.08	25.20	25.15	25.7	0
3	QPSK	1	8	24.93	25.14	25.01		
3	QPSK	1	14	24.95	25.08	25.01		
3	QPSK	8	0	24.09	24.19	24.05	24.7	1
3	QPSK	8	4	24.04	24.14	24.02		
3	QPSK	8	7	24.00	24.01	23.97		
3	QPSK	15	0	24.18	24.14	24.15		
3	16QAM	1	0	24.02	24.20	24.14	24.7	1
3	16QAM	1	8	23.94	24.05	24.00		
3	16QAM	1	14	23.86	24.10	24.12		
3	16QAM	8	0	23.09	23.21	23.11	23.7	2
3	16QAM	8	4	22.96	23.19	23.03		
3	16QAM	8	7	22.89	23.04	23.08		
3	16QAM	15	0	23.14	23.16	23.12		
3	64QAM	1	0	22.96	23.13	23.22	23.7	2
3	64QAM	1	8	22.97	23.01	23.00		
3	64QAM	1	14	22.92	23.17	23.11		
3	64QAM	8	0	22.01	22.11	21.96	22.7	3
3	64QAM	8	4	21.88	22.19	22.02		
3	64QAM	8	7	22.00	22.05	22.12		
3	64QAM	15	0	22.07	22.20	22.13		
3	256QAM	1	0	20.08	20.29	20.08	20.7	5
3	256QAM	1	8	20.02	20.16	20.02		
3	256QAM	1	14	20.05	19.98	19.92		
3	256QAM	8	0	20.24	20.26	20.16	20.7	5
3	256QAM	8	4	20.06	20.18	20.14		
3	256QAM	8	7	19.95	20.06	19.96		
3	256QAM	15	0	19.96	20.12	20.04		
Channel				20407	20525	20843	Tune-up limit	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	25.05	25.12	25.04	25.7	0
1.4	QPSK	1	3	24.98	25.09	24.99		
1.4	QPSK	1	5	24.95	25.07	25.03		
1.4	QPSK	3	0	24.98	25.00	24.94		
1.4	QPSK	3	1	24.94	25.05	24.91		
1.4	QPSK	3	3	24.89	24.94	24.94		
1.4	QPSK	6	0	24.09	24.14	24.16	24.7	1
1.4	16QAM	1	0	24.01	24.22	24.12	24.7	1
1.4	16QAM	1	3	23.92	24.10	24.05		
1.4	16QAM	1	5	23.94	24.16	24.15		
1.4	16QAM	3	0	24.00	24.03	24.14		
1.4	16QAM	3	1	23.89	24.10	24.04		
1.4	16QAM	3	3	23.86	24.07	23.92		
1.4	16QAM	6	0	23.23	23.12	23.18	23.7	2
1.4	64QAM	1	0	22.97	23.18	23.15	23.7	2
1.4	64QAM	1	3	22.96	22.95	23.04		
1.4	64QAM	1	5	22.97	23.18	23.17		
1.4	64QAM	3	0	23.16	23.09	23.07		
1.4	64QAM	3	1	22.93	23.09	23.01		
1.4	64QAM	3	3	22.91	22.88	22.99		
1.4	64QAM	6	0	22.04	22.10	22.09	22.7	3
1.4	256QAM	1	0	20.08	20.29	20.07	20.7	5
1.4	256QAM	1	3	20.00	20.15	19.99		
1.4	256QAM	1	5	19.99	20.05	19.99		
1.4	256QAM	3	0	20.14	20.20	20.19		
1.4	256QAM	3	1	19.99	20.19	20.13		
1.4	256QAM	3	3	19.97	20.05	19.98		
1.4	256QAM	6	0	19.90	20.14	20.05	20.7	5

Band 12 Ant0 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	25.10	25.16	25.14	25.7	0
10	QPSK	1	25	24.96	25.10	25.12		
10	QPSK	1	49	25.04	25.08	25.01		
10	QPSK	25	0	24.16	24.18	24.16	24.7	1
10	QPSK	25	12	24.00	24.15	24.13		
10	QPSK	25	25	24.01	24.08	24.02		
10	QPSK	50	0	24.15	24.16	24.09		
10	16QAM	1	0	24.09	24.14	24.12	24.7	1
10	16QAM	1	25	23.92	24.13	24.08		
10	16QAM	1	49	24.02	24.06	24.05		
10	16QAM	25	0	23.12	23.20	23.19	23.7	2
10	16QAM	25	12	22.95	23.09	23.11		
10	16QAM	25	25	22.99	23.02	23.02		
10	16QAM	50	0	23.11	23.16	23.14		
10	64QAM	1	0	23.12	23.20	23.10	23.7	2
10	64QAM	1	25	22.96	23.17	23.06		
10	64QAM	1	49	23.03	23.09	23.02		
10	64QAM	25	0	22.18	22.18	22.16	22.7	3
10	64QAM	25	12	21.96	22.15	22.17		
10	64QAM	25	25	21.99	22.10	22.01		
10	64QAM	50	0	22.19	22.19	22.04		
10	256QAM	1	0	20.13	20.14	20.14	20.7	5
10	256QAM	1	25	20.03	20.13	20.18		
10	256QAM	1	49	20.00	20.12	19.99		
10	256QAM	25	0	20.13	20.13	20.08	20.7	5
10	256QAM	25	12	20.13	20.20	20.13		
10	256QAM	25	25	19.86	20.08	20.03		
10	256QAM	50	0	20.06	20.05	20.10		
Channel				23035	23095	23155	Tune-up limit	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	25.07	25.07	25.07	25.7	0
5	QPSK	1	12	24.89	25.03	24.99		
5	QPSK	1	24	24.94	25.02	24.91		
5	QPSK	12	0	24.13	24.04	24.04	24.7	1
5	QPSK	12	7	23.96	24.02	24.04		
5	QPSK	12	13	23.97	23.99	23.92		
5	QPSK	25	0	24.02	24.04	23.95		
5	16QAM	1	0	24.03	24.09	24.07	24.7	1
5	16QAM	1	12	23.82	24.11	24.05		
5	16QAM	1	24	24.00	23.95	24.02		
5	16QAM	12	0	23.05	23.10	23.16	23.7	2
5	16QAM	12	7	22.90	23.06	23.06		
5	16QAM	12	13	22.86	22.89	22.92		
5	16QAM	25	0	23.06	23.09	23.03		
5	64QAM	1	0	23.09	23.18	23.08	23.7	2
5	64QAM	1	12	22.90	23.11	22.95		
5	64QAM	1	24	22.95	23.06	22.99		
5	64QAM	12	0	22.07	22.12	22.12	22.7	3
5	64QAM	12	7	21.93	22.11	22.09		
5	64QAM	12	13	21.93	22.02	21.87		
5	64QAM	25	0	22.09	22.16	22.01		
5	256QAM	1	0	20.01	20.07	20.06	20.7	5
5	256QAM	1	12	19.95	20.02	20.15		
5	256QAM	1	24	19.90	20.08	19.92		
5	256QAM	12	0	20.04	20.10	20.01	20.7	5
5	256QAM	12	7	20.02	20.16	20.07		
5	256QAM	12	13	19.76	19.95	19.92		
5	256QAM	25	0	19.97	19.91	19.99		
Channel				23025	23095	23165	Tune-up limit	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	25.06	25.07	25.12	25.7	0
3	QPSK	1	8	24.88	25.03	25.00		
3	QPSK	1	14	25.01	25.03	24.99		
3	QPSK	8	0	24.02	24.05	24.02	24.7	1
3	QPSK	8	4	23.94	24.05	24.04		
3	QPSK	8	7	23.96	24.05	23.96		
3	QPSK	15	0	24.11	24.13	24.06		
3	16QAM	1	0	24.01	24.00	24.08	24.7	1
3	16QAM	1	8	23.88	24.05	23.97		
3	16QAM	1	14	24.00	23.95	23.96		
3	16QAM	8	0	23.00	23.16	23.06	23.7	2
3	16QAM	8	4	22.83	22.99	23.04		
3	16QAM	8	7	22.89	22.99	22.98		
3	16QAM	15	0	22.97	23.11	23.04		
3	64QAM	1	0	23.05	23.17	22.99	23.7	2
3	64QAM	1	8	22.87	23.11	22.92		
3	64QAM	1	14	22.99	23.07	22.89		
3	64QAM	8	0	22.05	22.13	22.03	22.7	3
3	64QAM	8	4	21.85	22.05	22.12		
3	64QAM	8	7	21.86	21.99	21.96		
3	64QAM	15	0	22.08	22.07	21.94		
3	256QAM	1	0	20.01	20.09	20.04	20.7	5
3	256QAM	1	8	19.98	20.00	20.10		
3	256QAM	1	14	19.96	20.10	19.95		
3	256QAM	8	0	20.08	20.05	19.95	20.7	5
3	256QAM	8	4	20.00	20.12	20.08		
3	256QAM	8	7	19.76	19.96	19.95		
3	256QAM	15	0	20.03	19.92	20.07		
Channel				23017	23095	23173	Tune-up limit	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	25.00	25.08	25.06	25.7	0
1.4	QPSK	1	3	24.93	24.97	25.06		
1.4	QPSK	1	5	24.95	24.97	24.93		
1.4	QPSK	3	0	24.95	25.00	24.96		
1.4	QPSK	3	1	24.82	24.84	25.00		
1.4	QPSK	3	3	24.82	24.90	24.89		
1.4	QPSK	6	0	24.01	24.05	23.95	24.7	1
1.4	16QAM	1	0	24.01	24.05	24.03	24.7	1
1.4	16QAM	1	3	23.87	24.08	24.04		
1.4	16QAM	1	5	23.94	24.02	24.03		
1.4	16QAM	3	0	23.98	23.99	23.85		
1.4	16QAM	3	1	23.99	23.92	23.97		
1.4	16QAM	3	3	23.76	24.06	23.92		
1.4	16QAM	6	0	23.01	23.10	23.10	23.7	2
1.4	64QAM	1	0	23.03	23.13	23.03	23.7	2
1.4	64QAM	1	3	22.93	23.12	23.03		
1.4	64QAM	1	5	22.92	23.07	22.94		
1.4	64QAM	3	0	22.95	22.99	23.07		
1.4	64QAM	3	1	22.91	23.01	23.00		
1.4	64QAM	3	3	22.81	22.99	22.90		
1.4	64QAM	6	0	22.06	22.16	21.93	22.7	3
1.4	256QAM	1	0	20.03	20.05	20.08	20.7	5
1.4	256QAM	1	3	19.91	20.01	20.10		
1.4	256QAM	1	5	19.86	20.02	19.96		
1.4	256QAM	3	0	20.10	20.05	19.99		
1.4	256QAM	3	1	20.08	20.10	20.00		
1.4	256QAM	3	3	19.77	19.98	19.94		
1.4	256QAM	6	0	19.99	19.93	20.01	20.7	5

Band 13 Ant0 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					23230			
Frequency (MHz)					782			
10	QPSK	1	0		25.14		25.7	0
10	QPSK	1	25		25.07			
10	QPSK	1	49		25.04			
10	QPSK	25	0		24.16		24.7	1
10	QPSK	25	12		24.14			
10	QPSK	25	25		24.01			
10	QPSK	50	0		24.15			
10	16QAM	1	0		24.06		24.7	1
10	16QAM	1	25		24.13			
10	16QAM	1	49		24.07			
10	16QAM	25	0		23.17		23.7	2
10	16QAM	25	12		23.04			
10	16QAM	25	25		23.02			
10	16QAM	50	0		23.18			
10	64QAM	1	0		23.20		23.7	2
10	64QAM	1	25		23.13			
10	64QAM	1	49		23.02			
10	64QAM	25	0		22.20		22.7	3
10	64QAM	25	12		22.10			
10	64QAM	25	25		22.04			
10	64QAM	50	0		22.16			
10	256QAM	1	0		20.15		20.7	5
10	256QAM	1	25		20.08			
10	256QAM	1	49		20.16			
10	256QAM	25	0		20.16		20.7	5
10	256QAM	25	12		20.24			
10	256QAM	25	25		20.04			
10	256QAM	50	0		20.02			
Channel				23205	23230	23255	Tune-up limit	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	25.09	25.10	25.06	25.7	0
5	QPSK	1	12	24.97	24.98	24.99		
5	QPSK	1	24	24.96	25.02	24.94		
5	QPSK	12	0	24.13	24.12	24.14	24.7	1
5	QPSK	12	7	24.10	24.04	24.14		
5	QPSK	12	13	23.93	23.93	23.92		
5	QPSK	25	0	24.09	24.05	24.13		
5	16QAM	1	0	23.94	23.95	24.03	24.7	1
5	16QAM	1	12	24.04	24.12	24.07		
5	16QAM	1	24	24.03	23.95	24.00		
5	16QAM	12	0	23.14	23.16	23.17	23.7	2
5	16QAM	12	7	22.95	23.00	23.04		
5	16QAM	12	13	23.00	22.95	23.01		
5	16QAM	25	0	23.17	23.07	23.06		
5	64QAM	1	0	23.18	23.10	23.10	23.7	2
5	64QAM	1	12	23.04	23.11	23.12		
5	64QAM	1	24	22.97	22.91	22.93		
5	64QAM	12	0	22.18	22.14	22.10	22.7	3
5	64QAM	12	7	22.03	22.01	22.03		
5	64QAM	12	13	22.00	22.01	21.93		
5	64QAM	25	0	22.10	22.11	22.12		
5	256QAM	1	0	20.09	20.13	20.10	20.7	5
5	256QAM	1	12	20.06	20.00	20.04		
5	256QAM	1	24	20.08	20.05	20.10		
5	256QAM	12	0	20.11	20.16	20.11	20.7	5
5	256QAM	12	7	20.17	20.16	20.20		
5	256QAM	12	13	19.99	20.02	19.97		
5	256QAM	25	0	19.96	20.00	19.91		

Band 17 Ant0 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	25.19	25.27	25.22	25.7	0
10	QPSK	1	25	25.07	25.15	25.20		
10	QPSK	1	49	25.14	25.13	25.12		
10	QPSK	25	0	24.24	24.28	24.22	24.7	1
10	QPSK	25	12	24.07	24.22	24.19		
10	QPSK	25	25	24.04	24.13	24.14		
10	QPSK	50	0	24.18	24.25	24.16		
10	16QAM	1	0	24.22	24.16	24.25	24.7	1
10	16QAM	1	25	24.00	24.18	24.14		
10	16QAM	1	49	24.06	24.09	24.13		
10	16QAM	25	0	23.15	23.28	23.28	23.7	2
10	16QAM	25	12	23.02	23.19	23.19		
10	16QAM	25	25	23.08	23.07	23.13		
10	16QAM	50	0	23.23	23.28	23.18		
10	64QAM	1	0	23.24	23.25	23.21	23.7	2
10	64QAM	1	25	23.08	23.19	23.13		
10	64QAM	1	49	23.16	23.19	23.08		
10	64QAM	25	0	22.23	22.21	22.21	22.7	3
10	64QAM	25	12	22.00	22.19	22.30		
10	64QAM	25	25	22.03	22.17	22.13		
10	64QAM	50	0	22.32	22.30	22.07		
10	256QAM	1	0	20.24	20.18	20.20	20.7	5
10	256QAM	1	25	20.12	20.17	20.28		
10	256QAM	1	49	20.09	20.20	20.07		
10	256QAM	25	0	20.16	20.26	20.18	20.7	5
10	256QAM	25	12	20.20	20.31	20.27		
10	256QAM	25	25	19.92	20.19	20.14		
10	256QAM	50	0	20.19	20.13	20.17		
Channel				23755	23790	23825	Tune-up limit	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	25.07	25.14	25.13	25.7	0
5	QPSK	1	12	25.05	25.07	25.07		
5	QPSK	1	24	25.11	25.08	25.03		
5	QPSK	12	0	24.14	24.17	24.08	24.7	1
5	QPSK	12	7	23.93	24.20	24.11		
5	QPSK	12	13	23.97	24.03	24.05		
5	QPSK	25	0	24.07	24.18	24.14		
5	16QAM	1	0	24.14	24.12	24.19	24.7	1
5	16QAM	1	12	23.95	24.14	24.00		
5	16QAM	1	24	23.94	24.00	24.06		
5	16QAM	12	0	23.03	23.23	23.25	23.7	2
5	16QAM	12	7	22.89	23.15	23.11		
5	16QAM	12	13	23.01	23.05	23.02		
5	16QAM	25	0	23.13	23.25	23.15		
5	64QAM	1	0	23.19	23.17	23.15	23.7	2
5	64QAM	1	12	22.98	23.14	23.07		
5	64QAM	1	24	23.08	23.07	22.94		
5	64QAM	12	0	22.13	22.11	22.16	22.7	3
5	64QAM	12	7	21.94	22.12	22.26		
5	64QAM	12	13	21.97	22.14	22.03		
5	64QAM	25	0	22.26	22.28	21.95		
5	256QAM	1	0	20.13	20.10	20.16	20.7	5
5	256QAM	1	12	20.08	20.10	20.20		
5	256QAM	1	24	20.00	20.10	19.96		
5	256QAM	12	0	20.10	20.21	20.07	20.7	5
5	256QAM	12	7	20.12	20.26	20.17		
5	256QAM	12	13	19.83	20.16	20.02		
5	256QAM	25	0	20.15	20.06	20.03		

Band 26 Ant0 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	24.95	25.04	25.01	25.7	0
15	QPSK	1	37	24.82	24.94	24.97		
15	QPSK	1	74	24.89	24.90	24.89		
15	QPSK	36	0	24.07	24.12	23.96	24.7	1
15	QPSK	36	20	23.84	24.04	23.99		
15	QPSK	36	39	23.84	23.95	23.99		
15	QPSK	75	0	23.98	24.05	23.94		
15	16QAM	1	0	24.08	24.00	24.11	24.7	1
15	16QAM	1	37	23.74	24.03	23.95		
15	16QAM	1	74	23.87	23.85	23.91		
15	16QAM	36	0	22.93	23.10	23.12	23.7	2
15	16QAM	36	20	22.87	22.98	22.99		
15	16QAM	36	39	22.86	22.92	22.98		
15	16QAM	75	0	23.04	23.04	22.93		
15	64QAM	1	0	23.02	23.00	23.00	23.7	2
15	64QAM	1	37	22.87	23.00	22.91		
15	64QAM	1	74	22.92	22.96	22.91		
15	64QAM	36	0	22.05	21.99	22.03	22.7	3
15	64QAM	36	20	21.78	22.04	22.14		
15	64QAM	36	39	21.85	21.97	21.92		
15	64QAM	75	0	22.13	22.12	21.84		
15	256QAM	1	0	20.05	19.97	20.05	20.7	5
15	256QAM	1	37	19.91	19.97	20.05		
15	256QAM	1	74	19.92	19.96	19.89		
15	256QAM	36	0	19.92	20.12	20.00	20.7	5
15	256QAM	36	20	19.97	20.08	20.01		
15	256QAM	36	39	19.66	20.00	19.92		
15	256QAM	75	0	19.94	19.88	19.94		
Channel				26740	26865	26990	Tune-up limit	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	24.83	24.92	24.97	25.7	0
10	QPSK	1	25	24.72	24.90	24.86		
10	QPSK	1	49	24.80	24.85	24.82		
10	QPSK	25	0	24.05	24.10	23.87	24.7	1
10	QPSK	25	12	23.81	23.96	23.95		
10	QPSK	25	25	23.76	23.89	23.96		
10	QPSK	50	0	23.93	24.00	23.94		
10	16QAM	1	0	24.01	23.92	24.10	24.7	1
10	16QAM	1	25	23.64	23.94	23.87		
10	16QAM	1	49	23.84	23.83	23.91		
10	16QAM	25	0	22.89	22.99	23.09	23.7	2
10	16QAM	25	12	22.81	22.87	22.97		
10	16QAM	25	25	22.77	22.89	22.86		
10	16QAM	50	0	22.98	23.01	22.88		
10	64QAM	1	0	22.96	22.89	23.00	23.7	2
10	64QAM	1	25	22.78	22.93	22.80		
10	64QAM	1	49	22.86	22.87	22.90		
10	64QAM	25	0	21.94	21.88	21.95	22.7	3
10	64QAM	25	12	21.70	21.99	22.04		
10	64QAM	25	25	21.76	21.96	21.81		
10	64QAM	50	0	22.12	22.11	21.73		
10	256QAM	1	0	19.95	19.90	20.00	20.7	5
10	256QAM	1	25	19.89	19.97	20.02		
10	256QAM	1	49	19.85	19.88	19.79		
10	256QAM	25	0	19.80	20.00	19.97	20.7	5
10	256QAM	25	12	19.92	20.04	19.98		
10	256QAM	25	25	19.60	19.92	19.85		
10	256QAM	50	0	19.83	19.85	19.82		
Channel				26715	26865	27015	Tune-up limit	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	24.91	24.93	24.97	25.7	0
5	QPSK	1	12	24.80	24.89	24.87		
5	QPSK	1	24	24.77	24.81	24.78		
5	QPSK	12	0	24.03	24.12	23.93	24.7	1
5	QPSK	12	7	23.84	24.02	23.87		
5	QPSK	12	13	23.83	23.95	23.88		
5	QPSK	25	0	23.91	24.04	23.94		
5	16QAM	1	0	24.01	23.95	24.02	24.7	1
5	16QAM	1	12	23.73	23.92	23.87		
5	16QAM	1	24	23.82	23.79	23.86		
5	16QAM	12	0	22.91	23.00	23.07	23.7	2
5	16QAM	12	7	22.83	22.92	22.97		
5	16QAM	12	13	22.85	22.87	22.88		
5	16QAM	25	0	23.00	22.96	22.90		
5	64QAM	1	0	22.98	22.88	22.98	23.7	2
5	64QAM	1	12	22.85	22.93	22.88		
5	64QAM	1	24	22.84	22.95	22.87		
5	64QAM	12	0	22.03	21.87	21.92	22.7	3
5	64QAM	12	7	21.72	21.92	22.02		
5	64QAM	12	13	21.73	21.92	21.80		
5	64QAM	25	0	22.05	22.01	21.74		
5	256QAM	1	0	19.94	19.92	20.05	20.7	5
5	256QAM	1	12	19.88	19.92	20.04		
5	256QAM	1	24	19.80	19.87	19.86		
5	256QAM	12	0	19.85	20.07	19.98	20.7	5
5	256QAM	12	7	19.88	19.97	19.91		
5	256QAM	12	13	19.62	19.91	19.92		
5	256QAM	25	0	19.90	19.85	19.89		
Channel				26705	26865	27025	Tune-up limit	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	24.84	24.99	24.89	25.7	0
3	QPSK	1	8	24.75	24.90	24.95		
3	QPSK	1	14	24.85	24.86	24.79		
3	QPSK	8	0	24.03	24.11	23.87	24.7	1
3	QPSK	8	4	23.76	23.98	23.97		
3	QPSK	8	7	23.72	23.94	23.91		
3	QPSK	15	0	23.93	23.99	23.91		
3	16QAM	1	0	23.98	23.90	24.06	24.7	1
3	16QAM	1	8	23.68	23.97	23.89		
3	16QAM	1	14	23.83	23.81	23.88		
3	16QAM	8	0	22.83	23.10	23.04	23.7	2
3	16QAM	8	4	22.84	22.95	22.98		
3	16QAM	8	7	22.80	22.81	22.97		
3	16QAM	15	0	23.03	22.93	22.82		
3	64QAM	1	0	22.96	22.90	22.91	23.7	2
3	64QAM	1	8	22.84	22.90	22.86		
3	64QAM	1	14	22.81	22.96	22.80		
3	64QAM	8	0	22.00	21.92	21.95	22.7	3
3	64QAM	8	4	21.66	21.99	22.05		
3	64QAM	8	7	21.74	21.86	21.83		
3	64QAM	15	0	22.08	22.02	21.72		
3	256QAM	1	0	19.97	19.91	20.02	20.7	5
3	256QAM	1	8	19.85	19.88	19.98		
3	256QAM	1	14	19.89	19.85	19.77		
3	256QAM	8	0	19.83	20.03	19.95	20.7	5
3	256QAM	8	4	19.96	19.99	19.96		
3	256QAM	8	7	19.62	19.88	19.87		
3	256QAM	15	0	19.84	19.86	19.84		
Channel				26697	26865	27033	Tune-up limit	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	24.87	25.02	25.00	25.7	0
1.4	QPSK	1	3	24.72	24.88	24.89		
1.4	QPSK	1	5	24.84	24.84	24.81		
1.4	QPSK	3	0	24.83	24.99	24.94		
1.4	QPSK	3	1	24.64	24.87	24.79		
1.4	QPSK	3	3	24.77	24.73	24.73		
1.4	QPSK	6	0	23.94	24.04	23.88	24.7	1
1.4	16QAM	1	0	24.04	23.95	23.99	24.7	1
1.4	16QAM	1	3	23.66	24.00	23.89		
1.4	16QAM	1	5	23.85	23.76	23.82		
1.4	16QAM	3	0	23.90	23.97	23.78		
1.4	16QAM	3	1	23.93	23.88	23.96		
1.4	16QAM	3	3	23.63	23.92	23.80		
1.4	16QAM	6	0	22.99	22.99	22.90	23.7	2
1.4	64QAM	1	0	22.97	22.96	22.93	23.7	2
1.4	64QAM	1	3	22.83	22.97	22.81		
1.4	64QAM	1	5	22.90	22.89	22.89		
1.4	64QAM	3	0	22.88	22.93	22.87		
1.4	64QAM	3	1	22.96	22.85	22.91		
1.4	64QAM	3	3	22.76	22.96	22.76		
1.4	64QAM	6	0	22.09	22.01	21.80	22.7	3
1.4	256QAM	1	0	20.02	19.89	20.01	20.7	5
1.4	256QAM	1	3	19.86	19.94	20.03		
1.4	256QAM	1	5	19.90	19.85	19.79		
1.4	256QAM	3	0	19.89	20.08	19.92		
1.4	256QAM	3	1	19.86	20.05	19.94		
1.4	256QAM	3	3	19.58	19.89	19.84		
1.4	256QAM	6	0	19.88	19.80	19.94	20.7	5

Band 71 Ant0 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				133222	133322	133372		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	25.13	25.14	25.08	25.7	0
20	QPSK	1	49	25.06	25.11	25.00		
20	QPSK	1	99	25.12	25.07	24.98		
20	QPSK	50	0	24.17	24.19	24.11	24.7	1
20	QPSK	50	24	24.01	24.16	24.02		
20	QPSK	50	50	24.12	24.11	24.02		
20	QPSK	100	0	24.12	24.16	24.10		
20	16QAM	1	0	24.07	24.13	24.14	24.7	1
20	16QAM	1	49	24.07	24.14	23.99		
20	16QAM	1	99	24.08	24.12	23.97		
20	16QAM	50	0	23.19	23.13	23.06	23.7	2
20	16QAM	50	24	23.06	23.13	23.00		
20	16QAM	50	50	23.16	23.15	22.98		
20	16QAM	100	0	23.11	23.17	23.15		
20	64QAM	1	0	23.09	23.12	23.18	23.7	2
20	64QAM	1	49	23.12	23.14	23.02		
20	64QAM	1	99	23.06	23.13	22.99		
20	64QAM	50	0	22.20	22.18	22.08	22.7	3
20	64QAM	50	24	22.00	22.10	22.01		
20	64QAM	50	50	22.08	22.16	22.06		
20	64QAM	100	0	22.17	22.13	22.07		
20	256QAM	1	0	20.13	20.24	20.13	20.7	5
20	256QAM	1	49	20.07	20.17	20.07		
20	256QAM	1	99	20.13	20.12	20.01		
20	256QAM	50	0	20.12	20.12	20.13	20.7	5
20	256QAM	50	24	20.06	20.10	20.17		
20	256QAM	50	50	20.10	20.15	19.96		
20	256QAM	100	0	20.04	20.08	19.99		
Channel				133197	133297	133397	Tune-up limit	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	25.01	25.04	24.97	25.7	0
15	QPSK	1	37	24.96	25.01	24.91		
15	QPSK	1	74	25.03	25.04	24.94		
15	QPSK	36	0	24.07	24.13	24.03	24.7	1
15	QPSK	36	20	23.93	24.11	23.97		
15	QPSK	36	39	24.05	23.98	23.95		
15	QPSK	75	0	24.00	24.09	24.07		
15	16QAM	1	0	24.00	24.02	24.00	24.7	1
15	16QAM	1	37	23.95	24.08	23.88		
15	16QAM	1	74	23.97	24.07	23.84		
15	16QAM	36	0	23.12	23.07	23.04	23.7	2
15	16QAM	36	20	23.01	23.03	22.87		
15	16QAM	36	39	23.12	23.05	22.94		
15	16QAM	75	0	23.04	23.10	23.05		
15	64QAM	1	0	23.03	23.08	23.14	23.7	2
15	64QAM	1	37	22.99	23.10	22.93		
15	64QAM	1	74	22.95	23.00	22.89		
15	64QAM	36	0	22.16	22.06	22.05	22.7	3
15	64QAM	36	20	21.88	21.96	21.95		
15	64QAM	36	39	22.05	22.13	21.92		
15	64QAM	75	0	22.11	22.08	21.99		
15	256QAM	1	0	20.09	20.14	20.11	20.7	5
15	256QAM	1	37	19.96	20.14	20.00		
15	256QAM	1	74	19.99	20.05	19.90		
15	256QAM	36	0	20.01	20.02	20.05	20.7	5
15	256QAM	36	20	20.01	19.97	20.09		
15	256QAM	36	39	20.06	20.10	19.83		
15	256QAM	75	0	19.94	20.04	19.93		
Channel				133172	133272	133422	Tune-up limit	MPR (dB)
Frequency (MHz)				668	678	693		
10	QPSK	1	0	25.04	25.04	24.95	25.7	0
10	QPSK	1	25	25.00	25.01	24.94		
10	QPSK	1	49	25.09	24.99	24.84		
10	QPSK	25	0	24.12	24.15	24.07	24.7	1
10	QPSK	25	12	23.98	24.04	23.98		
10	QPSK	25	25	24.00	23.99	23.94		
10	QPSK	50	0	24.03	24.05	24.04		
10	16QAM	1	0	24.01	24.02	24.01	24.7	1
10	16QAM	1	25	23.95	24.02	23.88		
10	16QAM	1	49	23.96	24.06	23.83		
10	16QAM	25	0	23.15	22.99	22.96	23.7	2
10	16QAM	25	12	22.93	23.03	22.89		
10	16QAM	25	25	23.03	23.03	22.87		
10	16QAM	50	0	23.00	23.10	23.12		
10	64QAM	1	0	22.99	22.99	23.08	23.7	2
10	64QAM	1	25	23.00	23.10	22.95		
10	64QAM	1	49	22.99	22.99	22.88		
10	64QAM	25	0	22.14	22.08	21.99	22.7	3
10	64QAM	25	12	21.95	21.98	21.90		
10	64QAM	25	25	21.99	22.03	22.02		
10	64QAM	50	0	22.06	22.04	21.96		
10	256QAM	1	0	20.06	20.15	20.01	20.7	5
10	256QAM	1	25	20.02	20.12	20.03		
10	256QAM	1	49	20.03	20.00	19.91		
10	256QAM	25	0	20.05	20.07	20.05	20.7	5
10	256QAM	25	12	20.00	20.06	20.06		
10	256QAM	25	25	20.00	20.04	19.91		
10	256QAM	50	0	19.95	20.01	19.91		
Channel				133147	133247	133447	Tune-up limit	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	25.08	25.03	25.01	25.7	0
5	QPSK	1	12	24.96	25.04	24.96		
5	QPSK	1	24	25.00	24.96	24.85		
5	QPSK	12	0	24.14	24.13	23.97	24.7	1
5	QPSK	12	7	23.92	24.06	23.88		
5	QPSK	12	13	24.04	24.09	23.99		
5	QPSK	25	0	24.08	24.05	24.03		
5	16QAM	1	0	24.00	24.01	24.11	24.7	1
5	16QAM	1	12	23.97	24.05	23.88		
5	16QAM	1	24	23.99	24.00	23.92		
5	16QAM	12	0	23.11	23.06	23.01	23.7	2
5	16QAM	12	7	23.02	23.09	22.98		
5	16QAM	12	13	23.12	23.05	22.94		
5	16QAM	25	0	23.04	23.14	23.05		
5	64QAM	1	0	23.03	23.10	23.15	23.7	2
5	64QAM	1	12	23.03	23.07	22.91		
5	64QAM	1	24	23.01	23.11	22.91		
5	64QAM	12	0	22.07	22.14	22.02	22.7	3
5	64QAM	12	7	21.96	22.02	21.93		
5	64QAM	12	13	21.96	22.09	21.95		
5	64QAM	25	0	22.12	22.04	22.01		
5	256QAM	1	0	19.99	20.15	20.06	20.7	5
5	256QAM	1	12	19.94	20.08	20.04		
5	256QAM	1	24	20.09	20.03	19.96		
5	256QAM	12	0	20.07	20.04	20.05	20.7	5
5	256QAM	12	7	19.93	20.07	20.14		
5	256QAM	12	13	19.99	20.03	19.92		
5	256QAM	25	0	19.98	20.06	19.94		

GSM850 Ant1 DSI3

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.05	33.20	33.12	34.60	24.05	24.20	24.12	25.60
GPRS 1 Tx slot	33.12	33.25	33.18	34.60	24.12	24.25	24.18	25.60
GPRS 2 Tx slots	30.28	30.37	30.31	31.60	24.28	24.37	24.31	25.60
GPRS 3 Tx slots	28.23	28.47	28.52	29.80	23.97	24.21	24.26	25.54
GPRS 4 Tx slots	26.77	27.09	26.79	28.60	23.77	24.09	23.79	25.60
EDGE 1 Tx slot	27.12	27.23	27.16	28.90	18.12	18.23	18.16	19.90
EDGE 2 Tx slots	23.79	24.01	23.70	25.50	17.79	18.01	17.70	19.50
EDGE 3 Tx slots	21.91	22.11	21.88	23.50	17.65	17.85	17.62	19.24
EDGE 4 Tx slots	19.91	20.12	20.19	21.50	16.91	17.12	17.19	18.50

WCDMA V Ant1 DSI3

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.38	20.48	20.37	21.50
3GPP Rel 99	RMC 12.2Kbps	20.48	20.51	20.45	21.50
3GPP Rel 6	HSDPA Subtest-1	19.48	19.53	19.47	20.50
3GPP Rel 6	HSDPA Subtest-2	19.53	19.50	19.44	20.50
3GPP Rel 6	HSDPA Subtest-3	19.02	19.06	18.94	20.00
3GPP Rel 6	HSDPA Subtest-4	18.94	18.98	18.93	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.42	19.51	19.42	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.53	19.49	19.48	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.01	19.06	18.96	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.01	19.04	18.96	20.00
3GPP Rel 6	HSUPA Subtest-1	19.45	19.48	19.42	20.50
3GPP Rel 6	HSUPA Subtest-2	17.48	17.54	17.41	18.50
3GPP Rel 6	HSUPA Subtest-3	18.52	18.49	18.42	19.50
3GPP Rel 6	HSUPA Subtest-4	17.50	17.46	17.41	18.50
3GPP Rel 6	HSUPA Subtest-5	19.45	19.49	19.43	20.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.93	17.07	16.90	18.00

Band 5 Ant1 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	21.08	21.11	21.06		
10	QPSK	1	25	21.04	21.04	20.97	21.7	0
10	QPSK	1	49	20.99	21.00	21.00		
10	QPSK	25	0	20.97	21.08	21.00		
10	QPSK	25	12	21.04	21.01	21.02	21.7	0
10	QPSK	25	25	20.95	20.98	20.95		
10	QPSK	50	0	21.06	21.07	20.99		
10	16QAM	1	0	20.95	21.00	20.96		
10	16QAM	1	25	20.95	20.91	20.89	21.7	0
10	16QAM	1	49	20.89	20.89	20.95		
10	16QAM	25	0	20.94	20.95	20.92		
10	16QAM	25	12	21.00	20.96	20.91	21.7	0
10	16QAM	25	25	20.84	20.91	20.91		
10	16QAM	50	0	20.98	20.97	20.96		
10	64QAM	1	0	21.00	20.99	21.01		
10	64QAM	1	25	20.91	20.95	20.86	21.7	0
10	64QAM	1	49	20.94	20.93	20.89		
10	64QAM	25	0	20.92	20.94	20.94		
10	64QAM	25	12	21.02	20.91	20.88	21.7	0
10	64QAM	25	25	20.82	20.92	20.91		
10	64QAM	50	0	20.99	20.97	20.93		
10	256QAM	1	0	20.07	20.16	20.03		
10	256QAM	1	25	20.08	20.05	20.01	20.7	1
10	256QAM	1	49	19.97	19.94	19.96		
10	256QAM	25	0	20.00	20.10	19.96		
10	256QAM	25	12	20.01	20.01	19.98	20.7	1
10	256QAM	25	25	19.91	19.99	19.92		
10	256QAM	50	0	20.04	20.09	19.96		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	20.98	20.98	21.01		
5	QPSK	1	12	20.92	20.90	20.89	21.7	0
5	QPSK	1	24	20.94	20.95	20.89		
5	QPSK	12	0	20.93	20.98	20.94		
5	QPSK	12	7	21.01	20.92	20.99	21.7	0
5	QPSK	12	13	20.92	20.95	20.92		
5	QPSK	25	0	21.02	20.94	20.94		
5	16QAM	1	0	20.89	20.88	20.87		
5	16QAM	1	12	20.87	20.88	20.76	21.7	0
5	16QAM	1	24	20.84	20.84	20.92		
5	16QAM	12	0	20.87	20.84	20.85		
5	16QAM	12	7	20.94	20.86	20.86	21.7	0
5	16QAM	12	13	20.81	20.80	20.87		
5	16QAM	25	0	20.96	20.89	20.90		
5	64QAM	1	0	20.94	20.91	20.99		
5	64QAM	1	12	20.80	20.93	20.80	21.7	0
5	64QAM	1	24	20.89	20.89	20.83		
5	64QAM	12	0	20.87	20.86	20.91		
5	64QAM	12	7	20.97	20.87	20.84	21.7	0
5	64QAM	12	13	20.78	20.84	20.85		
5	64QAM	25	0	20.91	20.86	20.83		
5	256QAM	1	0	20.02	20.11	19.95		
5	256QAM	1	12	19.94	19.95	19.97	20.7	1
5	256QAM	1	24	19.94	19.87	19.85		
5	256QAM	12	0	19.88	20.07	19.93		
5	256QAM	12	7	19.95	19.97	19.95	20.7	1
5	256QAM	12	13	19.87	19.92	19.87		
5	256QAM	25	0	19.96	20.06	19.93		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.00	21.06	21.04		
3	QPSK	1	8	21.01	20.92	20.88	21.7	0
3	QPSK	1	14	20.89	20.97	20.87		
3	QPSK	8	0	20.88	20.99	20.88		
3	QPSK	8	4	20.91	20.93	20.89	21.7	0
3	QPSK	8	7	20.87	20.92	20.85		
3	QPSK	15	0	21.03	20.96	20.94		
3	16QAM	1	0	20.84	20.94	20.89		
3	16QAM	1	8	20.91	20.84	20.80	21.7	0
3	16QAM	1	14	20.79	20.75	20.87		
3	16QAM	8	0	20.90	20.82	20.85		
3	16QAM	8	4	20.97	20.87	20.84	21.7	0
3	16QAM	8	7	20.77	20.88	20.87		
3	16QAM	15	0	20.95	20.87	20.86		
3	64QAM	1	0	20.89	20.88	20.94		
3	64QAM	1	8	20.87	20.90	20.79	21.7	0
3	64QAM	1	14	20.86	20.80	20.82		
3	64QAM	8	0	20.87	20.81	20.84		
3	64QAM	8	4	20.88	20.86	20.75	21.7	0
3	64QAM	8	7	20.72	20.82	20.83		
3	64QAM	15	0	20.97	20.95	20.88		
3	256QAM	1	0	20.02	20.03	19.98		
3	256QAM	1	8	20.03	20.00	19.87	20.7	1
3	256QAM	1	14	19.94	19.84	19.92		
3	256QAM	8	0	19.90	20.05	19.92		
3	256QAM	8	4	19.89	19.91	19.90	20.7	1
3	256QAM	8	7	19.83	19.86	19.83		
3	256QAM	15	0	19.93	20.06	19.91		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.05	21.01	20.96		
1.4	QPSK	1	3	21.01	20.92	20.93		
1.4	QPSK	1	5	20.90	20.94	20.87	21.7	0
1.4	QPSK	3	0	20.89	21.06	20.91		
1.4	QPSK	3	1	21.02	20.97	20.92		
1.4	QPSK	3	3	20.87	20.87	20.82		
1.4	QPSK	6	0	20.96	20.97	20.86	21.7	0
1.4	16QAM	1	0	20.86	20.93	20.94		
1.4	16QAM	1	3	20.87	20.82	20.79		
1.4	16QAM	1	5	20.75	20.82	20.88	21.7	0
1.4	16QAM	3	0	20.83	20.90	20.79		
1.4	16QAM	3	1	20.89	20.83	20.87		
1.4	16QAM	3	3	20.76	20.79	20.81		
1.4	16QAM	6	0	20.96	20.94	20.93	21.7	0
1.4	64QAM	1	0	20.94	20.93	20.95		
1.4	64QAM	1	3	20.78	20.91	20.83		
1.4	64QAM	1	5	20.88	20.91	20.83	21.7	0
1.4	64QAM	3	0	20.88	20.92	20.84		
1.4	64QAM	3	1	20.92	20.88	20.82		
1.4	64QAM	3	3	20.70	20.84	20.88		
1.4	64QAM	6	0	20.89	20.87	20.80	21.7	0
1.4	256QAM	1	0	19.97	20.09	19.97		
1.4	256QAM	1	3	20.04	20.03	19.90		
1.4	256QAM	1	5	19.86	19.88	19.85	20.7	1
1.4	256QAM	3	0	19.89	20.04	19.87		
1.4	256QAM	3	1	19.95	19.93	19.86		
1.4	256QAM	3	3	19.86	19.87	19.80		
1.4	256QAM	6	0	19.98	19.98	19.85	20.7	1

Band 12 Ant1 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	25.35	25.41	25.28		
10	QPSK	1	25	25.22	25.37	25.15	25.7	0
10	QPSK	1	49	25.25	25.35	25.19		
10	QPSK	25	0	24.32	24.45	24.29		
10	QPSK	25	12	24.23	24.39	24.20	24.7	1
10	QPSK	25	25	24.25	24.38	24.19		
10	QPSK	50	0	24.32	24.42	24.32		
10	16QAM	1	0	24.32	24.40	24.25		
10	16QAM	1	25	24.17	24.42	24.12	24.7	1
10	16QAM	1	49	24.24	24.34	24.22		
10	16QAM	25	0	23.27	23.42	23.32		
10	16QAM	25	12	23.26	23.39	23.14	23.7	2
10	16QAM	25	25	23.21	23.35	23.25		
10	16QAM	50	0	23.32	23.41	23.30		
10	64QAM	1	0	23.36	23.45	23.19		
10	64QAM	1	25	23.18	23.38	23.06	23.7	2
10	64QAM	1	49	23.22	23.37	23.18		
10	64QAM	25	0	22.35	22.45	22.32		
10	64QAM	25	12	22.18	22.40	22.26	22.7	3
10	64QAM	25	25	22.30	22.40	22.24		
10	64QAM	50	0	22.33	22.38	22.27		
10	256QAM	1	0	20.35	20.46	20.25		
10	256QAM	1	25	20.28	20.45	20.17	20.7	5
10	256QAM	1	49	20.29	20.40	20.17		
10	256QAM	25	0	20.33	20.43	20.35		
10	256QAM	25	12	20.26	20.45	20.27	20.7	5
10	256QAM	25	25	20.21	20.40	20.08		
10	256QAM	50	0	20.21	20.36	20.23		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	25.29	25.32	25.18		
5	QPSK	1	12	25.13	25.31	25.06	25.7	0
5	QPSK	1	24	25.11	25.28	25.14		
5	QPSK	12	0	24.28	24.42	24.16		
5	QPSK	12	7	24.14	24.29	24.10	24.7	1
5	QPSK	12	13	24.13	24.34	24.15		
5	QPSK	25	0	24.21	24.35	24.21		
5	16QAM	1	0	24.19	24.35	24.19		
5	16QAM	1	12	24.05	24.35	24.06	24.7	1
5	16QAM	1	24	24.15	24.31	24.14		
5	16QAM	12	0	23.15	23.34	23.24		
5	16QAM	12	7	23.22	23.35	23.03	23.7	2
5	16QAM	12	13	23.13	23.23	23.20		
5	16QAM	25	0	23.26	23.34	23.25		
5	64QAM	1	0	23.32	23.34	23.15		
5	64QAM	1	12	23.13	23.34	23.03	23.7	2
5	64QAM	1	24	23.15	23.33	23.07		
5	64QAM	12	0	22.25	22.36	22.23		
5	64QAM	12	7	22.12	22.29	22.24	22.7	3
5	64QAM	12	13	22.22	22.32	22.14		
5	64QAM	25	0	22.28	22.24	22.15		
5	256QAM	1	0	20.25	20.41	20.20		
5	256QAM	1	12	20.17	20.41	20.05	20.7	5
5	256QAM	1	24	20.26	20.29	20.08		
5	256QAM	12	0	20.19	20.37	20.32		
5	256QAM	12	7	20.24	20.38	20.19	20.7	5
5	256QAM	12	13	20.09	20.30	20.06		
5	256QAM	25	0	20.17	20.33	20.15		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	25.27	25.36	25.22		
3	QPSK	1	8	25.10	25.24	25.01	25.7	0
3	QPSK	1	14	25.18	25.21	25.17		
3	QPSK	8	0	24.25	24.33	24.21		
3	QPSK	8	4	24.09	24.29	24.10	24.7	1
3	QPSK	8	7	24.16	24.33	24.17		
3	QPSK	15	0	24.22	24.38	24.25		
3	16QAM	1	0	24.19	24.29	24.22		
3	16QAM	1	8	24.10	24.37	24.03	24.7	1
3	16QAM	1	14	24.16	24.29	24.19		
3	16QAM	8	0	23.21	23.29	23.25		
3	16QAM	8	4	23.19	23.35	23.05	23.7	2
3	16QAM	8	7	23.15	23.30	23.20		
3	16QAM	15	0	23.19	23.31	23.27		
3	64QAM	1	0	23.26	23.39	23.12		
3	64QAM	1	8	23.06	23.35	22.95	23.7	2
3	64QAM	1	14	23.18	23.33	23.11		
3	64QAM	8	0	22.24	22.35	22.23		
3	64QAM	8	4	22.14	22.28	22.18	22.7	3
3	64QAM	8	7	22.21	22.32	22.16		
3	64QAM	15	0	22.27	22.35	22.23		
3	256QAM	1	0	20.28	20.40	20.19		
3	256QAM	1	8	20.19	20.35	20.15	20.7	5
3	256QAM	1	14	20.27	20.29	20.10		
3	256QAM	8	0	20.20	20.36	20.28		
3	256QAM	8	4	20.15	20.43	20.25	20.7	5
3	256QAM	8	7	20.14	20.34	20.01		
3	256QAM	15	0	20.08	20.32	20.10		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	25.24	25.35	25.22		
1.4	QPSK	1	3	25.12	25.32	25.07		
1.4	QPSK	1	5	25.12	25.31	25.12	25.7	0
1.4	QPSK	3	0	25.14	25.25	25.18		
1.4	QPSK	3	1	25.05	25.23	24.95		
1.4	QPSK	3	3	24.99	25.19	25.01		
1.4	QPSK	6	0	24.20	24.32	24.28	24.7	1
1.4	16QAM	1	0	24.28	24.29	24.21		
1.4	16QAM	1	3	24.06	24.37	24.01		
1.4	16QAM	1	5	24.10	24.20	24.17	24.7	1
1.4	16QAM	3	0	24.07	24.24	24.18		
1.4	16QAM	3	1	24.18	24.24	24.07		
1.4	16QAM	3	3	24.04	24.33	23.92		
1.4	16QAM	6	0	23.26	23.30	23.20	23.7	2
1.4	64QAM	1	0	23.31	23.32	23.05		
1.4	64QAM	1	3	23.06	23.32	22.99		
1.4	64QAM	1	5	23.19	23.33	23.08	23.7	2
1.4	64QAM	3	0	23.16	23.23	23.06		
1.4	64QAM	3	1	23.28	23.19	22.94		
1.4	64QAM	3	3	22.96	23.25	22.91		
1.4	64QAM	6	0	22.20	22.31	22.21	22.7	3
1.4	256QAM	1	0	20.28	20.34	20.13		
1.4	256QAM	1	3	20.15	20.42	20.09		
1.4	256QAM	1	5	20.23	20.35	20.03	20.7	5
1.4	256QAM	3	0	20.25	20.37	20.32		
1.4	256QAM	3	1	20.16	20.38	20.18		
1.4	256QAM	3	3	20.11	20.38	19.97		
1.4	256QAM	6	0	20.12	20.32	20.11	20.7	5

Band 13 Ant1 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					23230			
Frequency (MHz)					782			
10	QPSK	1	0		25.54			
10	QPSK	1	25		25.52		25.7	0
10	QPSK	1	49		25.40			
10	QPSK	25	0		24.55			
10	QPSK	25	12		24.49		24.7	1
10	QPSK	25	25		24.51			
10	QPSK	50	0		24.51			
10	16QAM	1	0		24.54			
10	16QAM	1	25		24.58		24.7	1
10	16QAM	1	49		24.48			
10	16QAM	25	0		23.54			
10	16QAM	25	12		23.45		23.7	2
10	16QAM	25	25		23.50			
10	16QAM	50	0		23.49			
10	64QAM	1	0		23.51			
10	64QAM	1	25		23.44		23.7	2
10	64QAM	1	49		23.43			
10	64QAM	25	0		22.55			
10	64QAM	25	12		22.51		22.7	3
10	64QAM	25	25		22.51			
10	64QAM	50	0		22.52			
10	256QAM	1	0		20.53			
10	256QAM	1	25		20.53		20.7	5
10	256QAM	1	49		20.56			
10	256QAM	25	0		20.56			
10	256QAM	25	12		20.58		20.7	5
10	256QAM	25	25		20.44			
10	256QAM	50	0		20.48			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	25.49	25.51	25.47		
5	QPSK	1	12	25.45	25.48	25.42	25.7	0
5	QPSK	1	24	25.27	25.35	25.37		
5	QPSK	12	0	24.47	24.46	24.49		
5	QPSK	12	7	24.36	24.41	24.39	24.7	1
5	QPSK	12	13	24.42	24.45	24.38		
5	QPSK	25	0	24.46	24.40	24.47		
5	16QAM	1	0	24.46	24.48	24.45		
5	16QAM	1	12	24.47	24.44	24.53	24.7	1
5	16QAM	1	24	24.36	24.35	24.41		
5	16QAM	12	0	23.44	23.46	23.47		
5	16QAM	12	7	23.40	23.36	23.34	23.7	2
5	16QAM	12	13	23.41	23.47	23.40		
5	16QAM	25	0	23.38	23.46	23.39		
5	64QAM	1	0	23.47	23.46	23.46		
5	64QAM	1	12	23.41	23.33	23.41	23.7	2
5	64QAM	1	24	23.37	23.37	23.36		
5	64QAM	12	0	22.51	22.45	22.47		
5	64QAM	12	7	22.47	22.48	22.43	22.7	3
5	64QAM	12	13	22.46	22.47	22.48		
5	64QAM	25	0	22.48	22.47	22.48		
5	256QAM	1	0	20.50	20.44	20.50		
5	256QAM	1	12	20.51	20.45	20.45	20.7	5
5	256QAM	1	24	20.47	20.46	20.50		
5	256QAM	12	0	20.53	20.51	20.52		
5	256QAM	12	7	20.51	20.52	20.51	20.7	5
5	256QAM	12	13	20.34	20.37	20.35		
5	256QAM	25	0	20.40	20.46	20.40		

Band 17 Ant1 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	25.26	25.30	25.24		
10	QPSK	1	25	25.20	25.23	25.18	25.7	0
10	QPSK	1	49	25.15	25.20	25.15		
10	QPSK	25	0	24.23	24.35	24.25		
10	QPSK	25	12	24.24	24.27	24.22	24.7	1
10	QPSK	25	25	24.19	24.25	24.21		
10	QPSK	50	0	24.24	24.31	24.29		
10	16QAM	1	0	24.22	24.30	24.26		
10	16QAM	1	25	24.22	24.28	24.19	24.7	1
10	16QAM	1	49	24.13	24.17	24.15		
10	16QAM	25	0	23.21	23.33	23.22		
10	16QAM	25	12	23.21	23.33	23.21	23.7	2
10	16QAM	25	25	23.24	23.24	23.19		
10	16QAM	50	0	23.27	23.26	23.25		
10	64QAM	1	0	23.28	23.31	23.29		
10	64QAM	1	25	23.17	23.25	23.18	23.7	2
10	64QAM	1	49	23.16	23.18	23.18		
10	64QAM	25	0	22.23	22.35	22.29		
10	64QAM	25	12	22.21	22.28	22.21	22.7	3
10	64QAM	25	25	22.20	22.29	22.24		
10	64QAM	50	0	22.19	22.35	22.30		
10	256QAM	1	0	20.20	20.31	20.29		
10	256QAM	1	25	20.20	20.24	20.23	20.7	5
10	256QAM	1	49	20.18	20.27	20.22		
10	256QAM	25	0	20.27	20.30	20.27		
10	256QAM	25	12	20.26	20.27	20.27	20.7	5
10	256QAM	25	25	20.19	20.27	20.13		
10	256QAM	50	0	20.15	20.20	20.11		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	25.20	25.19	25.11		
5	QPSK	1	12	25.12	25.17	25.10	25.7	0
5	QPSK	1	24	25.12	25.11	25.06		
5	QPSK	12	0	24.21	24.33	24.13		
5	QPSK	12	7	24.20	24.16	24.13	24.7	1
5	QPSK	12	13	24.12	24.17	24.08		
5	QPSK	25	0	24.11	24.23	24.24		
5	16QAM	1	0	24.10	24.19	24.19		
5	16QAM	1	12	24.18	24.19	24.06	24.7	1
5	16QAM	1	24	24.07	24.04	24.06		
5	16QAM	12	0	23.12	23.24	23.13		
5	16QAM	12	7	23.13	23.31	23.08	23.7	2
5	16QAM	12	13	23.16	23.14	23.08		
5	16QAM	25	0	23.24	23.20	23.16		
5	64QAM	1	0	23.17	23.24	23.17		
5	64QAM	1	12	23.05	23.21	23.09	23.7	2
5	64QAM	1	24	23.09	23.07	23.04		
5	64QAM	12	0	22.12	22.26	22.17		
5	64QAM	12	7	22.17	22.21	22.08	22.7	3
5	64QAM	12	13	22.11	22.20	22.16		
5	64QAM	25	0	22.13	22.24	22.27		
5	256QAM	1	0	20.13	20.26	20.22		
5	256QAM	1	12	20.08	20.17	20.11	20.7	5
5	256QAM	1	24	20.06	20.19	20.20		
5	256QAM	12	0	20.14	20.25	20.25		
5	256QAM	12	7	20.18	20.16	20.19	20.7	5
5	256QAM	12	13	20.10	20.16	20.03		
5	256QAM	25	0	20.04	20.07	20.05		

Band 26 Ant1 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.52	22.68	22.48		
15	QPSK	1	37	22.50	22.54	22.53	22.7	0
15	QPSK	1	74	22.51	22.61	22.49		
15	QPSK	36	0	22.59	22.65	22.48		
15	QPSK	36	20	22.52	22.60	22.50	22.7	0
15	QPSK	36	39	22.56	22.61	22.45		
15	QPSK	75	0	22.50	22.58	22.48		
15	16QAM	1	0	22.52	22.57	22.56		
15	16QAM	1	37	22.53	22.56	22.51	22.7	0
15	16QAM	1	74	22.52	22.56	22.56		
15	16QAM	36	0	22.58	22.64	22.54		
15	16QAM	36	20	22.57	22.63	22.55	22.7	0
15	16QAM	36	39	22.50	22.62	22.50		
15	16QAM	75	0	22.47	22.60	22.44		
15	64QAM	1	0	22.57	22.63	22.54		
15	64QAM	1	37	22.55	22.56	22.45	22.7	0
15	64QAM	1	74	22.57	22.54	22.48		
15	64QAM	36	0	22.58	22.60	22.48		
15	64QAM	36	20	22.51	22.64	22.46	22.7	0
15	64QAM	36	39	22.50	22.59	22.49		
15	64QAM	75	0	22.56	22.54	22.51		
15	256QAM	1	0	20.57	20.55	20.47		
15	256QAM	1	37	20.51	20.53	20.54	20.7	2
15	256QAM	1	74	20.55	20.56	20.44		
15	256QAM	36	0	20.48	20.62	20.54		
15	256QAM	36	20	20.59	20.61	20.49	20.7	2
15	256QAM	36	39	20.58	20.60	20.55		
15	256QAM	75	0	20.48	20.62	20.51		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	22.42	22.38	22.39		
10	QPSK	1	25	22.39	22.39	22.49	22.7	0
10	QPSK	1	49	22.37	22.51	22.44		
10	QPSK	25	0	22.48	22.53	22.41		
10	QPSK	25	12	22.41	22.49	22.37	22.7	0
10	QPSK	25	25	22.44	22.47	22.30		
10	QPSK	50	0	22.53	22.51	22.39		
10	16QAM	1	0	22.41	22.50	22.52		
10	16QAM	1	25	22.41	22.43	22.40	22.7	0
10	16QAM	1	49	22.44	22.48	22.42		
10	16QAM	25	0	22.48	22.56	22.39		
10	16QAM	25	12	22.50	22.49	22.42	22.7	0
10	16QAM	25	25	22.37	22.51	22.41		
10	16QAM	50	0	22.36	22.49	22.38		
10	64QAM	1	0	22.43	22.52	22.41		
10	64QAM	1	25	22.48	22.48	22.33	22.7	0
10	64QAM	1	49	22.43	22.43	22.32		
10	64QAM	25	0	22.42	22.50	22.39		
10	64QAM	25	12	22.38	22.53	22.41	22.7	0
10	64QAM	25	25	22.45	22.51	22.41		
10	64QAM	50	0	22.42	22.45	22.42		
10	256QAM	1	0	20.51	20.42	20.37		
10	256QAM	1	25	20.44	20.45	20.47	20.7	2
10	256QAM	1	49	20.43	20.43	20.37		
10	256QAM	25	0	20.36	20.49	20.50		
10	256QAM	25	12	20.54	20.56	20.39	20.7	2
10	256QAM	25	25	20.51	20.54	20.39		
10	256QAM	50	0	20.37	20.53	20.40		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	22.36	22.44	22.41		
5	QPSK	1	12	22.43	22.45	22.38	22.7	0
5	QPSK	1	24	22.41	22.47	22.44		
5	QPSK	12	0	22.45	22.54	22.33		
5	QPSK	12	7	22.48	22.49	22.45	22.7	0
5	QPSK	12	13	22.41	22.51	22.40		
5	QPSK	25	0	22.47	22.45	22.43		
5	16QAM	1	0	22.42	22.45	22.44		
5	16QAM	1	12	22.38	22.43	22.42	22.7	0
5	16QAM	1	24	22.38	22.41	22.45		
5	16QAM	12	0	22.46	22.58	22.42		
5	16QAM	12	7	22.50	22.52	22.46	22.7	0
5	16QAM	12	13	22.40	22.50	22.46		
5	16QAM	25	0	22.37	22.54	22.38		
5	64QAM	1	0	22.42	22.51	22.44		
5	64QAM	1	12	22.46	22.43	22.36	22.7	0
5	64QAM	1	24	22.48	22.43	22.37		
5	64QAM	12	0	22.51	22.50	22.44		
5	64QAM	12	7	22.45	22.60	22.33	22.7	0
5	64QAM	12	13	22.42	22.45	22.42		
5	64QAM	25	0	22.42	22.49	22.46		
5	256QAM	1	0	20.47	20.47	20.32		
5	256QAM	1	12	20.40	20.40	20.46	20.7	2
5	256QAM	1	24	20.40	20.43	20.37		
5	256QAM	12	0	20.38	20.57	20.49		
5	256QAM	12	7	20.55	20.51	20.44	20.7	2
5	256QAM	12	13	20.50	20.49	20.46		
5	256QAM	25	0	20.42	20.57	20.45		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	22.38	22.46	22.37		
3	QPSK	1	8	22.35	22.39	22.44	22.7	0
3	QPSK	1	14	22.37	22.53	22.39		
3	QPSK	8	0	22.44	22.44	22.40		
3	QPSK	8	4	22.40	22.50	22.44	22.7	0
3	QPSK	8	7	22.46	22.52	22.37		
3	QPSK	15	0	22.43	22.44	22.39		
3	16QAM	1	0	22.45	22.50	22.44		
3	16QAM	1	8	22.40	22.43	22.40	22.7	0
3	16QAM	1	14	22.46	22.49	22.51		
3	16QAM	8	0	22.48	22.49	22.48		
3	16QAM	8	4	22.49	22.53	22.44	22.7	0
3	16QAM	8	7	22.36	22.57	22.38		
3	16QAM	15	0	22.43	22.49	22.29		
3	64QAM	1	0	22.45	22.49	22.45		
3	64QAM	1	8	22.49	22.49	22.31	22.7	0
3	64QAM	1	14	22.48	22.49	22.41		
3	64QAM	8	0	22.53	22.49	22.34		
3	64QAM	8	4	22.37	22.56	22.33	22.7	0
3	64QAM	8	7	22.38	22.45	22.42		
3	64QAM	15	0	22.52	22.49	22.39		
3	256QAM	1	0	20.49	20.40	20.39		
3	256QAM	1	8	20.44	20.45	20.45	20.7	2
3	256QAM	1	14	20.48	20.49	20.33		
3	256QAM	8	0	20.34	20.48	20.40		
3	256QAM	8	4	20.54	20.56	20.35	20.7	2
3	256QAM	8	7	20.48	20.55	20.45		
3	256QAM	15	0	20.38	20.55	20.38		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	22.42	22.39	22.35		
1.4	QPSK	1	3	22.39	22.45	22.39		
1.4	QPSK	1	5	22.45	22.48	22.41	22.7	0
1.4	QPSK	3	0	22.53	22.43	22.33		
1.4	QPSK	3	1	22.44	22.46	22.45		
1.4	QPSK	3	3	22.40	22.49	22.30		
1.4	QPSK	6	0	22.43	22.52	22.42	22.7	0
1.4	16QAM	1	0	22.40	22.45	22.46		
1.4	16QAM	1	3	22.37	22.43	22.43		
1.4	16QAM	1	5	22.44	22.45	22.41	22.7	0
1.4	16QAM	3	0	22.50	22.53	22.47		
1.4	16QAM	3	1	22.43	22.53	22.49		
1.4	16QAM	3	3	22.44	22.47	22.38		
1.4	16QAM	6	0	22.37	22.53	22.40	22.7	0
1.4	64QAM	1	0	22.46	22.50	22.39		
1.4	64QAM	1	3	22.46	22.47	22.30		
1.4	64QAM	1	5	22.48	22.41	22.43	22.7	0
1.4	64QAM	3	0	22.42	22.51	22.34		
1.4	64QAM	3	1	22.38	22.54	22.32		
1.4	64QAM	3	3	22.36	22.47	22.43		
1.4	64QAM	6	0	22.41	22.44	22.39	22.7	0
1.4	256QAM	1	0	20.42	20.44	20.36		
1.4	256QAM	1	3	20.40	20.39	20.45		
1.4	256QAM	1	5	20.47	20.46	20.35	20.7	2
1.4	256QAM	3	0	20.37	20.46	20.46		
1.4	256QAM	3	1	20.48	20.45	20.37		
1.4	256QAM	3	3	20.48	20.48	20.51		
1.4	256QAM	6	0	20.41	20.57	20.41	20.7	2

Band 71 Ant1 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				133222	133322	133372		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	25.28	25.35	25.32		
20	QPSK	1	49	25.24	25.30	25.29	25.4	0
20	QPSK	1	99	25.14	25.29	25.20		
20	QPSK	50	0	24.28	24.40	24.32		
20	QPSK	50	24	24.29	24.32	24.31	24.4	1
20	QPSK	50	50	24.16	24.25	24.20		
20	QPSK	100	0	24.30	24.38	24.28		
20	16QAM	1	0	24.30	24.37	24.26		
20	16QAM	1	49	24.24	24.30	24.24	24.4	1
20	16QAM	1	99	24.16	24.26	24.22		
20	16QAM	50	0	23.27	23.35	23.31		
20	16QAM	50	24	23.34	23.31	23.26	23.4	2
20	16QAM	50	50	23.16	23.23	23.16		
20	16QAM	100	0	23.34	23.37	23.33		
20	64QAM	1	0	23.29	23.22	23.26		
20	64QAM	1	49	23.20	23.34	23.27	23.4	2
20	64QAM	1	99	23.17	23.22	23.23		
20	64QAM	50	0	22.25	22.40	22.35		
20	64QAM	50	24	22.32	22.34	22.34	22.4	3
20	64QAM	50	50	22.12	22.24	22.22		
20	64QAM	100	0	22.32	22.38	22.24		
20	256QAM	1	0	20.30	20.38	20.29		
20	256QAM	1	49	20.33	20.37	20.30	20.4	5
20	256QAM	1	99	20.15	20.30	20.19		
20	256QAM	50	0	20.30	20.31	20.27		
20	256QAM	50	24	20.35	20.22	20.23	20.4	5
20	256QAM	50	50	20.21	20.31	20.24		
20	256QAM	100	0	20.18	20.29	20.17		
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	25.24	25.30	25.19		
15	QPSK	1	37	25.18	25.26	25.22	25.4	0
15	QPSK	1	74	25.10	25.17	25.17		
15	QPSK	36	0	24.17	24.36	24.18		
15	QPSK	36	20	24.23	24.19	24.27	24.4	1
15	QPSK	36	39	24.11	24.23	24.08		
15	QPSK	75	0	24.23	24.24	24.24		
15	16QAM	1	0	24.22	24.35	24.14		
15	16QAM	1	37	24.19	24.18	24.20	24.4	1
15	16QAM	1	74	24.03	24.23	24.15		
15	16QAM	36	0	23.14	23.25	23.25		
15	16QAM	36	20	23.25	23.21	23.18	23.4	2
15	16QAM	36	39	23.13	23.19	23.14		
15	16QAM	75	0	23.27	23.33	23.27		
15	64QAM	1	0	23.25	23.29	23.16		
15	64QAM	1	37	23.12	23.26	23.18	23.4	2
15	64QAM	1	74	23.07	23.14	23.14		
15	64QAM	36	0	22.14	22.37	22.25		
15	64QAM	36	20	22.27	22.30	22.22	22.4	3
15	64QAM	36	39	22.09	22.20	22.06		
15	64QAM	75	0	22.25	22.33	22.12		
15	256QAM	1	0	20.25	20.30	20.19		
15	256QAM	1	37	20.25	20.25	20.18	20.4	5
15	256QAM	1	74	20.13	20.20	20.09		
15	256QAM	36	0	20.27	20.29	20.20		
15	256QAM	36	20	20.22	20.29	20.13	20.4	5
15	256QAM	36	39	20.16	20.21	20.14		
15	256QAM	75	0	20.07	20.20	20.09		
Channel				133172	133272	133422	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	678	693		
10	QPSK	1	0	25.14	25.27	25.27		
10	QPSK	1	25	25.17	25.28	25.24	25.4	0
10	QPSK	1	49	25.10	25.18	25.09		
10	QPSK	25	0	24.24	24.27	24.28		
10	QPSK	25	12	24.25	24.25	24.18	24.4	1
10	QPSK	25	25	24.02	24.17	24.10		
10	QPSK	50	0	24.25	24.30	24.20		
10	16QAM	1	0	24.26	24.28	24.23		
10	16QAM	1	25	24.13	24.17	24.19	24.4	1
10	16QAM	1	49	24.11	24.13	24.17		
10	16QAM	25	0	23.21	23.26	23.22		
10	16QAM	25	12	23.29	23.27	23.21	23.4	2
10	16QAM	25	25	23.10	23.18	23.02		
10	16QAM	50	0	23.28	23.29	23.26		
10	64QAM	1	0	23.20	23.38	23.14		
10	64QAM	1	25	23.08	23.22	23.15	23.4	2
10	64QAM	1	49	23.13	23.11	23.18		
10	64QAM	25	0	22.18	22.35	22.31		
10	64QAM	25	12	22.26	22.30	22.20	22.4	3
10	64QAM	25	25	22.03	22.17	22.13		
10	64QAM	50	0	22.29	22.34	22.13		
10	256QAM	1	0	20.17	20.36	20.17		
10	256QAM	1	25	20.21	20.31	20.19	20.4	5
10	256QAM	1	49	20.12	20.26	20.05		
10	256QAM	25	0	20.18	20.28	20.15		
10	256QAM	25	12	20.24	20.32	20.17	20.4	5
10	256QAM	25	25	20.17	20.18	20.15		
10	256QAM	50	0	20.10	20.24	20.13		
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	25.25	25.23	25.26		
5	QPSK	1	12	25.15	25.27	25.22	25.4	0
5	QPSK	1	24	25.09	25.15	25.14		
5	QPSK	12	0	24.20	24.29	24.18		
5	QPSK	12	7	24.16	24.26	24.27	24.4	1
5	QPSK	12	13	24.07	24.20	24.06		
5	QPSK	25	0	24.27	24.26	24.17		
5	16QAM	1	0	24.17	24.28	24.17		
5	16QAM	1	12	24.20	24.21	24.18	24.4	1
5	16QAM	1	24	24.06	24.15	24.13		
5	16QAM	12	0	23.21	23.29	23.20		
5	16QAM	12	7	23.25	23.21	23.14	23.4	2
5	16QAM	12	13	23.14	23.21	23.04		
5	16QAM	25	0	23.29	23.26	23.23		
5	64QAM	1	0	23.19	23.38	23.19		
5	64QAM	1	12	23.11	23.22	23.16	23.4	2
5	64QAM	1	24	23.07	23.16	23.11		
5	64QAM	12	0	22.21	22.31	22.31		
5	64QAM	12	7	22.25	22.25	22.29	22.4	3
5	64QAM	12	13	22.05	22.16	22.19		
5	64QAM	25	0	22.26	22.26	22.14		
5	256QAM	1	0	20.19	20.29	20.25		
5	256QAM	1	12	20.21	20.34	20.21	20.4	5
5	256QAM	1	24	20.11	20.27	20.15		
5	256QAM	12	0	20.22	20.38	20.15		
5	256QAM	12	7	20.22	20.40	20.17	20.4	5
5	256QAM	12	13	20.13	20.19	20.16		
5	256QAM	25	0	20.09	20.20	20.05		

GSM1900 Ant5 DSI3

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.65	29.84	29.79	31.00	20.65	20.84	20.79	22.00
GPRS 1 Tx slot	29.68	30.01	30.13	31.00	20.68	21.01	21.13	22.00
GPRS 2 Tx slots	26.32	26.73	26.75	28.00	20.32	20.73	20.75	22.00
GPRS 3 Tx slots	25.44	25.72	25.34	26.20	21.18	21.46	21.08	21.94
GPRS 4 Tx slots	23.40	23.90	23.65	25.00	20.40	20.90	20.65	22.00
EDGE 1 Tx slot	25.51	26.01	25.93	27.00	16.51	17.01	16.93	18.00
EDGE 2 Tx slots	22.65	22.81	23.05	24.00	16.65	16.81	17.05	18.00
EDGE 3 Tx slots	21.55	21.54	21.54	22.20	17.29	17.28	17.28	17.94
EDGE 4 Tx slots	19.81	19.87	19.78	21.00	16.81	16.87	16.78	18.00

WCDMA II Ant5 DSI3 / WCDMA IV Ant5 DSI3

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.66	22.69	22.54	23.50	22.04	22.07	21.93	23.00
3GPP Rel 99	RMC 12.2Kbps	22.66	22.70	22.65	23.50	22.08	22.10	22.05	23.00
3GPP Rel 6	HSDPA Subtest-1	21.70	21.65	21.66	22.50	21.10	21.07	20.99	22.00
3GPP Rel 6	HSDPA Subtest-2	21.63	21.69	21.66	22.50	21.12	21.05	21.07	22.00
3GPP Rel 6	HSDPA Subtest-3	21.11	21.25	21.16	22.00	20.62	20.61	20.53	21.50
3GPP Rel 6	HSDPA Subtest-4	21.14	21.22	21.11	22.00	20.58	20.65	20.60	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.62	21.69	21.62	22.50	21.13	21.08	21.07	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.66	21.74	21.60	22.50	21.10	21.15	21.00	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.22	21.26	21.15	22.00	20.62	20.61	20.50	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.10	21.19	21.18	22.00	20.63	20.63	20.55	21.50
3GPP Rel 6	HSUPA Subtest-1	21.69	21.68	21.67	22.50	21.07	21.13	21.04	22.00
3GPP Rel 6	HSUPA Subtest-2	19.60	19.74	19.65	20.50	19.07	19.08	19.00	20.00
3GPP Rel 6	HSUPA Subtest-3	20.61	20.74	20.62	21.50	20.13	20.12	20.10	21.00
3GPP Rel 6	HSUPA Subtest-4	19.67	19.73	19.60	20.50	19.13	19.12	19.00	20.00
3GPP Rel 6	HSUPA Subtest-5	21.64	21.67	21.65	22.50	21.03	21.09	21.02	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.16	19.21	19.12	20.00	18.53	18.55	18.58	19.50

Band 2 Ant5 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	22.58	22.61	22.55	23.5	0
20	QPSK	1	49	22.47	22.48	22.50		
20	QPSK	1	99	22.48	22.54	22.52		
20	QPSK	50	0	22.54	22.57	22.49		
20	QPSK	50	24	22.46	22.48	22.52	23.5	0
20	QPSK	50	50	22.45	22.50	22.45		
20	QPSK	100	0	22.49	22.54	22.42		
20	16QAM	1	0	22.55	22.50	22.49		
20	16QAM	1	49	22.37	22.40	22.47	23.5	0
20	16QAM	1	99	22.46	22.50	22.39		
20	16QAM	50	0	22.09	22.07	22.01		
20	16QAM	50	24	21.98	22.04	21.98	23	0.5
20	16QAM	50	50	21.92	22.07	22.06		
20	16QAM	100	0	21.98	22.02	21.96		
20	64QAM	1	0	21.98	21.94	22.03		
20	64QAM	1	49	21.96	21.94	22.01	23	0.5
20	64QAM	1	99	22.03	22.01	21.97		
20	64QAM	50	0	21.02	21.16	21.08		
20	64QAM	50	24	20.93	20.97	20.95	22	1.5
20	64QAM	50	50	20.96	21.08	21.00		
20	64QAM	100	0	21.07	21.03	20.99		
20	256QAM	1	0	19.14	19.16	19.09		
20	256QAM	1	49	19.03	19.03	19.02	20	3.5
20	256QAM	1	99	18.97	18.99	19.05		
20	256QAM	50	0	19.01	19.11	19.04		
20	256QAM	50	24	18.91	18.97	19.05	20	3.5
20	256QAM	50	50	18.98	18.98	18.97		
20	256QAM	100	0	19.03	19.07	18.97		
Channel				18675	18900	19125		
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	22.49	22.56	22.49		
15	QPSK	1	37	22.39	22.44	22.37	23.5	0
15	QPSK	1	74	22.38	22.46	22.42		
15	QPSK	36	0	22.50	22.43	22.47		
15	QPSK	36	20	22.36	22.37	22.41	23.5	0
15	QPSK	36	39	22.37	22.37	22.39		
15	QPSK	75	0	22.42	22.44	22.39		
15	16QAM	1	0	22.48	22.37	22.44		
15	16QAM	1	37	22.29	22.29	22.37	23.5	0
15	16QAM	1	74	22.43	22.44	22.36		
15	16QAM	36	0	21.97	22.01	21.97		
15	16QAM	36	20	21.91	21.99	21.90	23	0.5
15	16QAM	36	39	21.82	21.99	21.95		
15	16QAM	75	0	21.85	21.99	21.87		
15	64QAM	1	0	21.86	21.89	21.96		
15	64QAM	1	37	21.82	21.85	21.90	23	0.5
15	64QAM	1	74	21.97	21.98	21.91		
15	64QAM	36	0	20.93	21.12	20.95		
15	64QAM	36	20	20.81	20.91	20.89	22	1.5
15	64QAM	36	39	20.83	20.97	20.95		
15	64QAM	75	0	20.94	20.92	20.92		
15	256QAM	1	0	19.02	19.12	19.00		
15	256QAM	1	37	18.96	18.99	18.96	20	3.5
15	256QAM	1	74	18.95	18.87	18.92		
15	256QAM	36	0	18.88	18.97	18.92		
15	256QAM	36	20	18.84	18.94	18.98	20	3.5
15	256QAM	36	39	18.94	18.84	18.88		
15	256QAM	75	0	18.94	18.94	18.92		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	22.51	22.59	22.47		
10	QPSK	1	25	22.43	22.41	22.42	23.5	0
10	QPSK	1	49	22.39	22.43	22.44		
10	QPSK	25	0	22.45	22.54	22.44		
10	QPSK	25	12	22.38	22.37	22.41	23.5	0
10	QPSK	25	25	22.40	22.36	22.38		
10	QPSK	50	0	22.40	22.43	22.30		
10	16QAM	1	0	22.47	22.36	22.38		
10	16QAM	1	25	22.26	22.27	22.43	23.5	0
10	16QAM	1	49	22.42	22.45	22.34		
10	16QAM	25	0	21.95	21.94	21.89		
10	16QAM	25	12	21.94	21.90	21.94	23	0.5
10	16QAM	25	25	21.82	22.02	21.93		
10	16QAM	50	0	21.92	21.98	21.88		
10	64QAM	1	0	21.91	21.85	21.93		
10	64QAM	1	25	21.83	21.89	21.90	23	0.5
10	64QAM	1	49	21.98	21.91	21.86		
10	64QAM	25	0	20.98	21.03	21.01		
10	64QAM	25	12	20.84	20.84	20.83	22	1.5
10	64QAM	25	25	20.91	21.01	20.93		
10	64QAM	50	0	20.96	20.99	20.94		
10	256QAM	1	0	19.08	19.10	18.96		
10	256QAM	1	25	18.96	19.00	18.99	20	3.5
10	256QAM	1	49	18.84	18.91	18.93		
10	256QAM	25	0	18.97	19.03	18.90		
10	256QAM	25	12	18.86	18.90	19.02	20	3.5
10	256QAM	25	25	18.89	18.87	18.93		
10	256QAM	50	0	18.91	18.95	18.94		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	22.47	22.54	22.42		
5	QPSK	1	12	22.44	22.36	22.46	23.5	0
5	QPSK	1	24	22.35	22.48	22.41		
5	QPSK	12	0	22.42	22.49	22.44		
5	QPSK	12	7	22.38	22.38	22.46	23.5	0
5	QPSK	12	13	22.39	22.48	22.32		
5	QPSK	25	0	22.45	22.52	22.40		
5	16QAM	1	0	22.50	22.39	22.41		
5	16QAM	1	12	22.29	22.28	22.42	23.5	0
5	16QAM	1	24	22.33	22.39	22.32		
5	16QAM	12	0	22.02	21.94	21.93		
5	16QAM	12	7	21.90	21.97	21.90	23	0.5
5	16QAM	12	13	21.88	22.00	22.03		
5	16QAM	25	0	21.90	21.95	21.91		
5	64QAM	1	0	21.85	21.92	21.94		
5	64QAM	1	12	21.89	21.84	21.88	23	0.5
5	64QAM	1	24	21.90	21.98	21.97		
5	64QAM	12	0	20.92	21.05	21.04		
5	64QAM	12	7	20.85	20.94	20.82	22	1.5
5	64QAM	12	13	20.85	21.01	20.96		
5	64QAM	25	0	20.95	21.00	20.93		
5	256QAM	1	0	19.08	19.05	19.04		
5	256QAM	1	12	18.92	18.95	18.99	20	3.5
5	256QAM	1	24	18.93	18.88	18.99		
5	256QAM	12	0	18.96	19.05	18.97		
5	256QAM	12	7	18.87	18.87	18.95	20	3.5
5	256QAM	12	13	18.88	18.89	18.87		
5	256QAM	25	0	19.00	18.94	18.88		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	22.53	22.54	22.52		
3	QPSK	1	8	22.41	22.42	22.42	23.5	0
3	QPSK	1	14	22.45	22.51	22.50		
3	QPSK	8	0	22.51	22.47	22.44		
3	QPSK	8	4	22.37	22.44	22.45	23.5	0
3	QPSK	8	7	22.38	22.47	22.37		
3	QPSK	15	0	22.42	22.44	22.36		
3	16QAM	1	0	22.46	22.37	22.40		
3	16QAM	1	8	22.26	22.34	22.35	23.5	0
3	16QAM	1	14	22.40	22.43	22.36		
3	16QAM	8	0	21.96	21.95	21.98		
3	16QAM	8	4	21.85	21.90	21.87	23	0.5
3	16QAM	8	7	21.89	21.98	21.93		
3	16QAM	15	0	21.87	21.93	21.84		
3	64QAM	1	0	21.94	21.86	21.92		
3	64QAM	1	8	21.92	21.80	21.94	23	0.5
3	64QAM	1	14	21.95	21.88	21.87		
3	64QAM	8	0	20.92	21.09	21.01		
3	64QAM	8	4	20.88	20.87	20.91	22	1.5
3	64QAM	8	7	20.93	21.00	20.88		
3	64QAM	15	0	21.01	20.89	20.93		
3	256QAM	1	0	19.01	19.10	19.06		
3	256QAM	1	8	18.97	18.94	18.94	20	3.5
3	256QAM	1	14	18.93	18.91	18.95		
3	256QAM	8	0	18.88	19.08	18.95		
3	256QAM	8	4	18.82	18.84	19.02	20	3.5
3	256QAM	8	7	18.85	18.93	18.91		
3	256QAM	15	0	18.94	18.94	18.91		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	22.52	22.55	22.44		
1.4	QPSK	1	3	22.37	22.40	22.46		
1.4	QPSK	1	5	22.40	22.44	22.48	23.5	0
1.4	QPSK	3	0	22.52	22.46	22.44		
1.4	QPSK	3	1	22.37	22.36	22.39		
1.4	QPSK	3	3	22.32	22.38	22.42		
1.4	QPSK	6	0	22.38	22.51	22.35	23.5	0
1.4	16QAM	1	0	22.43	22.42	22.43		
1.4	16QAM	1	3	22.30	22.38	22.45		
1.4	16QAM	1	5	22.34	22.37	22.36	23.5	0
1.4	16QAM	3	0	22.32	22.29	22.32		
1.4	16QAM	3	1	22.28	22.34	22.43		
1.4	16QAM	3	3	22.28	22.28	22.26		
1.4	16QAM	6	0	21.94	21.89	21.84	23	0.5
1.4	64QAM	1	0	21.95	21.85	21.97		
1.4	64QAM	1	3	21.83	21.86	21.95		
1.4	64QAM	1	5	21.95	21.94	21.86	23	0.5
1.4	64QAM	3	0	21.91	21.75	21.72		
1.4	64QAM	3	1	21.86	21.81	21.90		
1.4	64QAM	3	3	21.81	21.76	21.94		
1.4	64QAM	6	0	21.03	20.94	20.90	22	1.5
1.4	256QAM	1	0	19.04	19.05	19.02		
1.4	256QAM	1	3	18.93	18.92	18.97		
1.4	256QAM	1	5	18.88	18.97	18.95	20	3.5
1.4	256QAM	3	0	18.91	19.05	18.97		
1.4	256QAM	3	1	18.78	18.84	18.95		
1.4	256QAM	3	3	18.96	18.87	18.84		
1.4	256QAM	6	0	18.91	18.97	18.90	20	3.5

Band 4 Ant5 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.95	21.98	21.91	22.7	0
20	QPSK	1	49	21.89	21.91	21.87		
20	QPSK	1	99	21.90	21.94	21.89		
20	QPSK	50	0	21.84	21.96	21.87		
20	QPSK	50	24	21.88	21.92	21.82	22.7	0
20	QPSK	50	50	21.93	21.95	21.84		
20	QPSK	100	0	21.87	21.95	21.79		
20	16QAM	1	0	21.88	21.92	21.82		
20	16QAM	1	49	21.77	21.85	21.77	22.7	0
20	16QAM	1	99	21.77	21.83	21.73		
20	16QAM	50	0	21.71	21.83	21.79		
20	16QAM	50	24	21.81	21.82	21.74	22.7	0
20	16QAM	50	50	21.82	21.92	21.74		
20	16QAM	100	0	21.80	21.88	21.75		
20	64QAM	1	0	21.91	21.93	21.79		
20	64QAM	1	49	21.80	21.85	21.79	22.7	0
20	64QAM	1	99	21.88	21.84	21.71		
20	64QAM	50	0	21.74	21.90	21.77		
20	64QAM	50	24	21.78	21.89	21.71	22.7	0
20	64QAM	50	50	21.91	21.86	21.80		
20	64QAM	100	0	21.81	21.91	21.70		
20	256QAM	1	0	19.95	19.93	19.96		
20	256QAM	1	49	19.89	19.96	19.86	20.7	2
20	256QAM	1	99	19.92	19.98	19.84		
20	256QAM	50	0	19.88	19.97	19.89		
20	256QAM	50	24	19.94	19.95	19.79	20.7	2
20	256QAM	50	50	19.93	19.99	19.86		
20	256QAM	100	0	19.83	19.92	19.78		
Channel				20025	20175	20325		
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	21.92	21.91	21.88		
15	QPSK	1	37	21.82	21.82	21.77	22.7	0
15	QPSK	1	74	21.82	21.81	21.76		
15	QPSK	36	0	21.77	21.88	21.76		
15	QPSK	36	20	21.83	21.86	21.73	22.7	0
15	QPSK	36	39	21.86	21.89	21.72		
15	QPSK	75	0	21.80	21.88	21.72		
15	16QAM	1	0	21.74	21.84	21.70		
15	16QAM	1	37	21.66	21.80	21.75	22.7	0
15	16QAM	1	74	21.67	21.77	21.60		
15	16QAM	36	0	21.66	21.74	21.75		
15	16QAM	36	20	21.77	21.73	21.71	22.7	0
15	16QAM	36	39	21.70	21.81	21.71		
15	16QAM	75	0	21.75	21.77	21.66		
15	64QAM	1	0	21.87	21.91	21.76		
15	64QAM	1	37	21.75	21.78	21.70	22.7	0
15	64QAM	1	74	21.84	21.79	21.66		
15	64QAM	36	0	21.74	21.84	21.69		
15	64QAM	36	20	21.68	21.85	21.67	22.7	0
15	64QAM	36	39	21.78	21.72	21.77		
15	64QAM	75	0	21.70	21.87	21.66		
15	256QAM	1	0	19.89	19.89	19.88		
15	256QAM	1	37	19.75	19.91	19.80	20.7	2
15	256QAM	1	74	19.86	19.91	19.76		
15	256QAM	36	0	19.84	19.95	19.83		
15	256QAM	36	20	19.83	19.90	19.76	20.7	2
15	256QAM	36	39	19.88	19.91	19.74		
15	256QAM	75	0	19.71	19.82	19.73		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.85	21.92	21.85	22.7	0
10	QPSK	1	25	21.82	21.78	21.79		
10	QPSK	1	49	21.83	21.90	21.73		
10	QPSK	25	0	21.80	21.94	21.77		
10	QPSK	25	12	21.83	21.84	21.79	22.7	0
10	QPSK	25	25	21.82	21.84	21.82		
10	QPSK	50	0	21.82	21.86	21.69		
10	16QAM	1	0	21.76	21.89	21.80		
10	16QAM	1	25	21.70	21.73	21.73	22.7	0
10	16QAM	1	49	21.72	21.74	21.61		
10	16QAM	25	0	21.63	21.78	21.72		
10	16QAM	25	12	21.69	21.76	21.68	22.7	0
10	16QAM	25	25	21.71	21.89	21.65		
10	16QAM	50	0	21.73	21.79	21.69		
10	64QAM	1	0	21.82	21.80	21.74		
10	64QAM	1	25	21.75	21.72	21.67	22.7	0
10	64QAM	1	49	21.76	21.71	21.62		
10	64QAM	25	0	21.68	21.88	21.68		
10	64QAM	25	12	21.66	21.77	21.60	22.7	0
10	64QAM	25	25	21.87	21.79	21.73		
10	64QAM	50	0	21.68	21.82	21.58		
10	256QAM	1	0	19.83	19.80	19.87		
10	256QAM	1	25	19.82	19.87	19.83	20.7	2
10	256QAM	1	49	19.87	19.87	19.70		
10	256QAM	25	0	19.84	19.83	19.82		
10	256QAM	25	12	19.92	19.91	19.71	20.7	2
10	256QAM	25	25	19.83	19.86	19.74		
10	256QAM	50	0	19.76	19.80	19.65		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	21.92	21.84	21.79	22.7	0
5	QPSK	1	12	21.85	21.82	21.80		
5	QPSK	1	24	21.88	21.85	21.72		
5	QPSK	12	0	21.72	21.91	21.80		
5	QPSK	12	7	21.77	21.85	21.71	22.7	0
5	QPSK	12	13	21.82	21.84	21.81		
5	QPSK	25	0	21.74	21.86	21.74		
5	16QAM	1	0	21.84	21.80	21.75		
5	16QAM	1	12	21.68	21.72	21.68	22.7	0
5	16QAM	1	24	21.70	21.71	21.68		
5	16QAM	12	0	21.63	21.72	21.68		
5	16QAM	12	7	21.68	21.75	21.64	22.7	0
5	16QAM	12	13	21.69	21.77	21.60		
5	16QAM	25	0	21.71	21.79	21.69		
5	64QAM	1	0	21.84	21.85	21.72		
5	64QAM	1	12	21.77	21.76	21.67	22.7	0
5	64QAM	1	24	21.90	21.78	21.67		
5	64QAM	12	0	21.71	21.80	21.71		
5	64QAM	12	7	21.75	21.83	21.67	22.7	0
5	64QAM	12	13	21.78	21.74	21.70		
5	64QAM	25	0	21.67	21.89	21.67		
5	256QAM	1	0	19.85	19.81	19.94		
5	256QAM	1	12	19.83	19.89	19.73	20.7	2
5	256QAM	1	24	19.89	19.88	19.77		
5	256QAM	12	0	19.83	19.84	19.84		
5	256QAM	12	7	19.80	19.82	19.72	20.7	2
5	256QAM	12	13	19.89	19.87	19.79		
5	256QAM	25	0	19.76	19.82	19.72		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.89	21.87	21.83		
3	QPSK	1	8	21.83	21.81	21.80	22.7	0
3	QPSK	1	14	21.82	21.81	21.71		
3	QPSK	8	0	21.71	21.91	21.80		
3	QPSK	8	4	21.79	21.82	21.70	22.7	0
3	QPSK	8	7	21.89	21.85	21.74		
3	QPSK	15	0	21.74	21.84	21.76		
3	16QAM	1	0	21.81	21.87	21.69		
3	16QAM	1	8	21.64	21.79	21.67	22.7	0
3	16QAM	1	14	21.73	21.71	21.66		
3	16QAM	8	0	21.58	21.74	21.75		
3	16QAM	8	4	21.75	21.74	21.69	22.7	0
3	16QAM	8	7	21.78	21.79	21.60		
3	16QAM	15	0	21.71	21.75	21.72		
3	64QAM	1	0	21.84	21.84	21.65		
3	64QAM	1	8	21.74	21.72	21.69	22.7	0
3	64QAM	1	14	21.80	21.81	21.68		
3	64QAM	8	0	21.61	21.82	21.73		
3	64QAM	8	4	21.69	21.78	21.67	22.7	0
3	64QAM	8	7	21.66	21.83	21.71		
3	64QAM	15	0	21.72	21.79	21.59		
3	256QAM	1	0	19.92	19.83	19.87		
3	256QAM	1	8	19.77	19.90	19.76	20.7	2
3	256QAM	1	14	19.89	19.86	19.80		
3	256QAM	8	0	19.82	19.94	19.81		
3	256QAM	8	4	19.80	19.92	19.74	20.7	2
3	256QAM	8	7	19.88	19.87	19.78		
3	256QAM	15	0	19.81	19.88	19.68		
Channel				19927	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.84	21.85	21.85	22.7	0
1.4	QPSK	1	3	21.77	21.82	21.78		
1.4	QPSK	1	5	21.81	21.83	21.69		
1.4	QPSK	3	0	21.75	21.85	21.80		
1.4	QPSK	3	1	21.79	21.89	21.71		
1.4	QPSK	3	3	21.89	21.89	21.80		
1.4	QPSK	6	0	21.76	21.86	21.71	22.7	0
1.4	16QAM	1	0	21.79	21.79	21.75		
1.4	16QAM	1	3	21.74	21.76	21.72		
1.4	16QAM	1	5	21.75	21.71	21.65	22.7	0
1.4	16QAM	3	0	21.61	21.73	21.71		
1.4	16QAM	3	1	21.77	21.69	21.61		
1.4	16QAM	3	3	21.68	21.85	21.65		
1.4	16QAM	6	0	21.66	21.78	21.70	22.7	0
1.4	64QAM	1	0	21.88	21.84	21.75		
1.4	64QAM	1	3	21.67	21.79	21.76		
1.4	64QAM	1	5	21.80	21.73	21.62	22.7	0
1.4	64QAM	3	0	21.63	21.81	21.65		
1.4	64QAM	3	1	21.69	21.82	21.63		
1.4	64QAM	3	3	21.82	21.74	21.76		
1.4	64QAM	6	0	21.74	21.87	21.62	22.7	0
1.4	256QAM	1	0	19.92	19.89	19.91		
1.4	256QAM	1	3	19.80	19.85	19.79		
1.4	256QAM	1	5	19.86	19.85	19.80	20.7	2
1.4	256QAM	3	0	19.74	19.85	19.82		
1.4	256QAM	3	1	19.88	19.84	19.65		
1.4	256QAM	3	3	19.81	19.88	19.75		
1.4	256QAM	6	0	19.74	19.87	19.69	20.7	2

Band 7 Ant5 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.22	21.27	21.24	22	0
20	QPSK	1	49	21.20	21.16	21.20		
20	QPSK	1	99	21.10	21.14	21.22		
20	QPSK	50	0	21.12	21.24	21.21		
20	QPSK	50	24	21.16	21.14	21.11	22	0
20	QPSK	50	50	21.16	21.19	21.17		
20	QPSK	100	0	21.13	21.23	21.16		
20	16QAM	1	0	21.20	21.22	21.14		
20	16QAM	1	49	21.15

Band 38 Ant5 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.21	23.25	23.14	23.7	0
20	QPSK	1	49	23.19	23.21	23.13		
20	QPSK	1	99	23.17	23.19	23.17		
20	QPSK	50	0	23.16	23.23	23.13	23.7	0
20	QPSK	50	24	23.17	23.21	23.17		
20	QPSK	50	50	23.19	23.20	23.12		
20	QPSK	100	0	23.15	23.19	23.17		
20	16QAM	1	0	23.18	23.24	23.14	23.7	0
20	16QAM	1	49	23.18	23.23	23.14		
20	16QAM	1	99	23.19	23.22	23.17		
20	16QAM	50	0	23.19	23.24	23.17	23.7	0
20	16QAM	50	24	23.15	23.22	23.16		
20	16QAM	50	50	23.15	23.21	23.18		
20	16QAM	100	0	23.19	23.22	23.13		
20	64QAM	1	0	23.15	23.19	23.14	23.7	0
20	64QAM	1	49	23.18	23.21	23.17		
20	64QAM	1	99	23.19	23.23	23.14		
20	64QAM	50	0	22.19	22.25	22.12	22.7	1
20	64QAM	50	24	22.22	22.24	22.14		
20	64QAM	50	50	22.18	22.24	22.15		
20	64QAM	100	0	22.21	22.23	22.15		
20	256QAM	1	0	20.20	20.22	20.12	20.7	3
20	256QAM	1	49	20.22	20.20	20.15		
20	256QAM	1	99	20.18	20.25	20.15		
20	256QAM	50	0	20.20	20.24	20.17	20.7	3
20	256QAM	50	24	20.23	20.25	20.11		
20	256QAM	50	50	20.23	20.23	20.13		
20	256QAM	100	0	20.20	20.20	20.16		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.11	23.11	23.03	23.7	0
15	QPSK	1	37	23.08	23.12	23.02		
15	QPSK	1	74	23.06	23.07	23.09		
15	QPSK	36	0	23.08	23.08	23.01	23.7	0
15	QPSK	36	20	23.05	23.11	23.08		
15	QPSK	36	39	23.08	23.12	23.02		
15	QPSK	75	0	23.05	23.07	23.05		
15	16QAM	1	0	23.10	23.15	23.03	23.7	0
15	16QAM	1	37	23.09	23.13	23.03		
15	16QAM	1	74	23.07	23.09	23.07		
15	16QAM	36	0	23.07	23.13	23.06	23.7	0
15	16QAM	36	20	23.05	23.14	23.09		
15	16QAM	36	39	23.08	23.08	23.10		
15	16QAM	75	0	23.08	23.14	23.05		
15	64QAM	1	0	23.08	23.07	23.05	23.7	0
15	64QAM	1	37	23.06	23.11	23.05		
15	64QAM	1	74	23.06	23.15	23.03		
15	64QAM	36	0	22.08	22.16	21.99	22.7	1
15	64QAM	36	20	22.12	22.11	22.06		
15	64QAM	36	39	22.06	22.11	22.06		
15	64QAM	75	0	22.08	22.15	22.04		
15	256QAM	1	0	20.08	20.11	20.00	20.7	3
15	256QAM	1	37	20.14	20.09	20.06		
15	256QAM	1	74	20.11	20.18	20.07		
15	256QAM	36	0	20.13	20.12	20.07	20.7	3
15	256QAM	36	20	20.12	20.12	20.00		
15	256QAM	36	39	20.13	20.15	20.01		
15	256QAM	75	0	20.08	20.13	20.04		
Channel				37900	38000	38100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2570	2595	2615		
10	QPSK	1	0	23.11	23.16	23.05	23.7	0
10	QPSK	1	25	23.11	23.12	23.05		
10	QPSK	1	49	23.06	23.11	23.05		
10	QPSK	25	0	23.03	23.07	23.02	23.7	0
10	QPSK	25	12	23.04	23.09	23.08		
10	QPSK	25	25	23.10	23.14	23.01		
10	QPSK	50	0	23.07	23.12	23.06		
10	16QAM	1	0	23.06	23.14	23.01	23.7	0
10	16QAM	1	25	23.07	23.16	23.06		
10	16QAM	1	49	23.10	23.12	23.08		
10	16QAM	25	0	23.07	23.15	23.07	23.7	0
10	16QAM	25	12	23.06	23.15	23.05		
10	16QAM	25	25	23.07	23.13	23.09		
10	16QAM	50	0	23.12	23.12	23.00		
10	64QAM	1	0	23.08	23.08	23.04	23.7	0
10	64QAM	1	25	23.06	23.13	23.05		
10	64QAM	1	49	23.10	23.14	23.06		
10	64QAM	25	0	22.11	22.15	22.03	22.7	1
10	64QAM	25	12	22.12	22.12	22.07		
10	64QAM	25	25	22.07	22.14	22.04		
10	64QAM	50	0	22.11	22.12	22.07		
10	256QAM	1	0	20.09	20.10	19.99	20.7	3
10	256QAM	1	25	20.10	20.12	20.04		
10	256QAM	1	49	20.10	20.13	20.05		
10	256QAM	25	0	20.09	20.11	20.08	20.7	3
10	256QAM	25	12	20.16	20.14	19.99		
10	256QAM	25	25	20.13	20.16	20.06		
10	256QAM	50	0	20.09	20.10	20.08		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.09	23.14	23.03	23.7	0
5	QPSK	1	12	23.07	23.10	23.00		
5	QPSK	1	24	23.06	23.06	23.06		
5	QPSK	12	0	23.03	23.09	23.01	23.7	0
5	QPSK	12	7	23.10	23.11	23.08		
5	QPSK	12	13	23.10	23.12	23.04		
5	QPSK	25	0	23.06	23.10	23.10		
5	16QAM	1	0	23.08	23.16	23.03	23.7	0
5	16QAM	1	12	23.06	23.16	23.06		
5	16QAM	1	24	23.07	23.13	23.09		
5	16QAM	12	0	23.08	23.16	23.08	23.7	0
5	16QAM	12	7	23.06	23.10	23.07		
5	16QAM	12	13	23.05	23.13	23.05		
5	16QAM	25	0	23.09	23.11	23.05		
5	64QAM	1	0	23.06	23.09	23.04	23.7	0
5	64QAM	1	12	23.06	23.09	23.05		
5	64QAM	1	24	23.09	23.14	23.05		
5	64QAM	12	0	22.12	22.15	22.05	22.7	1
5	64QAM	12	7	22.10	22.16	22.06		
5	64QAM	12	13	22.08	22.12	22.05		
5	64QAM	25	0	22.13	22.10	22.03		
5	256QAM	1	0	20.12	20.15	20.03	20.7	3
5	256QAM	1	12	20.12	20.12	20.03		
5	256QAM	1	24	20.06	20.12	20.05		
5	256QAM	12	0	20.08	20.14	20.07	20.7	3
5	256QAM	12	7	20.15	20.13	20.00		
5	256QAM	12	13	20.15	20.12	20.05		
5	256QAM	25	0	20.10	20.13	20.03		

Band 41 Ant5 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.81	21.79	21.85	21.77	21.80	22.2	0
20	QPSK	1	49	21.78	21.72	21.79	21.70	21.77		
20	QPSK	1	99	21.69	21.76	21.75	21.70	21.74		
20	QPSK	50	0	21.75	21.73	21.81	21.65	21.71	22.2	0
20	QPSK	50	24	21.67	21.66	21.73	21.74	21.74		
20	QPSK	50	50	21.69	21.76	21.74	21.75	21.70		
20	QPSK	100	0	21.68	21.74	21.79	21.73	21.74		
20	16QAM	1	0	21.70	21.68	21.74	21.65	21.77	22.2	0
20	16QAM	1	49	21.64	21.64	21.66	21.65	21.66		
20	16QAM	1	99	21.62	21.67	21.64	21.67	21.71		
20	16QAM	50	0	21.64	21.62	21.76	21.56	21.57	22.2	0
20	16QAM	50	24	21.60	21.63	21.68	21.70	21.68		
20	16QAM	50	50	21.62	21.72	21.65	21.63	21.62		
20	16QAM	100	0	21.57	21.70	21.76	21.69	21.66		
20	64QAM	1	0	21.67	21.73	21.73	21.64	21.77	22.2	0
20	64QAM	1	49	21.75	21.61	21.72	21.63	21.68		
20	64QAM	1	99	21.67	21.62	21.68	21.64	21.66		
20	64QAM	50	0	21.70	21.64	21.78	21.53	21.68	22.2	0
20	64QAM	50	24	21.63	21.60	21.62	21.72	21.60		
20	64QAM	50	50	21.55	21.69	21.64	21.62	21.64		
20	64QAM	100	0	21.59	21.61	21.68	21.64	21.69		
20	256QAM	1	0	20.37	20.31	20.33	20.27	20.35	20.7	1.5
20	256QAM	1	49	20.23	20.23	20.26	20.20	20.30		
20	256QAM	1	99	20.22	20.21	20.24	20.22	20.27		
20	256QAM	50	0	20.24	20.21	20.27	20.09	20.20	20.7	1.5
20	256QAM	50	24	20.20	20.11	20.23	20.19	20.21		
20	256QAM	50	50	20.14	20.20	20.21	20.30	20.25		
20	256QAM	100	0	20.18	20.20	20.24	20.24	20.24		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.68	21.77	21.76	21.68	21.74	22	0
15	QPSK	1	37	21.72	21.63	21.74	21.59	21.70		
15	QPSK	1	74	21.59	21.65	21.62	21.67	21.63		
15	QPSK	36	0	21.73	21.64	21.69	21.60	21.59	22.2	0
15	QPSK	36	20	21.58	21.59	21.61	21.67	21.71		
15	QPSK	36	39	21.66	21.69	21.64	21.65	21.56		
15	QPSK	75	0	21.64	21.61	21.66	21.69	21.66		
15	16QAM	1	0	21.59	21.65	21.64	21.63	21.71	22.2	0
15	16QAM	1	37	21.58	21.61	21.62	21.55	21.56		
15	16QAM	1	74	21.50	21.64	21.57	21.62	21.59		
15	16QAM	36	0	21.59	21.58	21.66	21.46	21.54	22.2	0
15	16QAM	36	20	21.57	21.59	21.56	21.60	21.56		
15	16QAM	36	39	21.55	21.69	21.54	21.59	21.59		
15	16QAM	75	0	21.50	21.66	21.69	21.55	21.54		
15	64QAM	1	0	21.59	21.67	21.65	21.61	21.68	22.2	0
15	64QAM	1	37	21.67	21.56	21.59	21.53	21.64		
15	64QAM	1	74	21.54	21.58	21.65	21.55	21.59		
15	64QAM	36	0	21.61	21.54	21.70	21.42	21.56	22.2	0
15	64QAM	36	20	21.52	21.50	21.48	21.68	21.47		
15	64QAM	36	39	21.42	21.59	21.60	21.58	21.52		
15	64QAM	75	0	21.46	21.57	21.56	21.57	21.60		
15	256QAM	1	0	20.32	20.27	20.24	20.24	20.22	20.7	1.5
15	256QAM	1	37	20.11	20.20	20.16	20.13	20.24		
15	256QAM	1	74	20.11	20.12	20.17	20.14	20.16		
15	256QAM	36	0	20.15	20.07	20.21	20.03	20.15	20.7	1.5
15	256QAM	36	20	20.12	20.09	20.13	20.14	20.14		
15	256QAM	36	39	20.11	20.06	20.10	20.16	20.12		
15	256QAM	75	0	20.16	20.09	20.13	20.14	20.17		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.77	21.75	21.83	21.65	21.72	22	0
10	QPSK	1	25	21.69	21.67	21.72	21.59	21.68		
10	QPSK	1	49	21.55	21.69	21.62	21.68	21.65		
10	QPSK	25	0	21.63	21.67	21.74	21.60	21.60	22.2	0
10	QPSK	25	12	21.64	21.56	21.61	21.64	21.70		
10	QPSK	25	25	21.63	21.69	21.72	21.72	21.60		
10	QPSK	50	0	21.65	21.62	21.68	21.66	21.62		
10	16QAM	1	0	21.62	21.63	21.67	21.56	21.72	22.2	0
10	16QAM	1	25	21.51	21.53	21.55	21.60	21.56		
10	16QAM	1	49	21.54	21.55	21.56	21.57	21.68		
10	16QAM	25	0	21.50	21.52	21.63	21.50	21.45	22.2	0
10	16QAM	25	12	21.52	21.61	21.66	21.56	21.63		
10	16QAM	25	25	21.53	21.69	21.66	21.55	21.51		
10	16QAM	50	0	21.46	21.68	21.72	21.67	21.52		
10	64QAM	1	0	21.58	21.60	21.70	21.55	21.66	22.2	0
10	64QAM	1	25	21.68	21.57	21.60	21.50	21.65		
10	64QAM	1	49	21.65	21.56	21.66	21.61	21.55		
10	64QAM	25	0	21.62	21.58	21.74	21.45	21.60	22.2	0
10	64QAM	25	12	21.57	21.57	21.61	21.65	21.55		
10	64QAM	25	25	21.51	21.64	21.54	21.55	21.50		
10	64QAM	50	0	21.47	21.54	21.59	21.58	21.66		
10	256QAM	1	0	20.30	20.24	20.27	20.24	20.26	20.7	1.5
10	256QAM	1	25	20.17	20.10	20.22	20.12	20.20		
10	256QAM	1	49	20.16	20.12	20.20	20.12	20.24		
10	256QAM	25	0	20.14	20.15	20.17	19.99	20.08	20.7	1.5
10	256QAM	25	12	20.17	20.16	20.15	20.08	20.08		
10	256QAM	25	25	20.12	20.12	20.16	20.18	20.12		
10	256QAM	50	0	20.07	20.17	20.16	20.21	20.11		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.78	21.71	21.74	21.69	21.77	22	0
5	QPSK	1	12	21.69	21.67	21.75	21.60	21.72		
5	QPSK	1	24	21.62	21.69	21.69	21.61	21.72		
5	QPSK	12	0	21.71	21.66	21.74	21.63	21.67	22.2	0
5	QPSK	12	7	21.58	21.60	21.65	21.72	21.63		
5	QPSK	12	13	21.61	21.74	21.68	21.68	21.64		
5	QPSK	25	0	21.64	21.62	21.71	21.65	21.61	22.2	0
5	16QAM	1	0	21.59	21.58	21.64	21.61	21.67		
5	16QAM	1	12	21.58	21.54	21.53	21.53	21.60		
5	16QAM	1	24	21.55	21.61	21.50	21.59	21.66		
5	16QAM	12	0	21.62	21.48	21.71	21.51	21.47	22.2	0
5	16QAM	12	7	21.57	21.58	21.58	21.63	21.60		
5	16QAM	12	13	21.59	21.63	21.69	21.61	21.49		
5	16QAM	25	0	21.53	21.58	21.66	21.64	21.55	22.2	0
5	64QAM	1	0	21.59	21.56	21.66	21.56	21.71		
5	64QAM	1	12	21.72	21.51	21.69	21.52	21.64		
5	64QAM	1	24	21.60	21.48	21.62	21.52	21.53		
5	64QAM	12	0	21.63	21.54	21.73	21.41	21.63	22.2	0
5	64QAM	12	7	21.50	21.56	21.52	21.64	21.54		
5	64QAM	12	13	21.44	21.65	21.50	21.49	21.52		
5	64QAM	25	0	21.51	21.54	21.62	21.53	21.59		
5	256QAM	1	0	20.30	20.18	20.24	20.25	20.31	20.7	1.5
5	256QAM	1	12	20.18	20.21	20.16	20.07	20.24		
5	256QAM	1	24	20.15	20.12	20.13	20.14	20.15		
5	256QAM	12	0	20.15	20.12	20.23	20.04	20.12	20.7	1.5
5	256QAM	12	7	20.16	20.07	20.18	20.10	20.11		
5	256QAM	12	13	20.05	20.12	20.12	20.18	20.23		
5	256QAM	25	0	20.16	20.12	20.19	20.13	20.20		

Band 42 Ant5 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	19.15	19.17	19.13	20	0
20	QPSK	1	49	19.06	19.04	19.09		
20	QPSK	1	99	19.05	19.10	19.07		
20	QPSK	50	0	19.06	19.14	19.00	20	0
20	QPSK	50	24	19.09	19.13	19.02		
20	QPSK	50	50	19.05	19.10	18.99		
20	QPSK	100	0	19.04	19.12	19.10		
20	16QAM	1	0	19.06	19.08	19.02	20	0
20	16QAM	1	49	18.99	18.93	18.96		
20	16QAM	1	99	19.03	18.97	19.00		
20	16QAM	50	0	18.92	19.04	18.89	20	0
20	16QAM	50	24	19.04	19.01	18.92		
20	16QAM	50	50	19.00	19.04	18.88		
20	16QAM	100	0	18.99	19.01	19.03		
20	64QAM	1	0	19.11	19.09	19.08	20	0
20	64QAM	1	49	19.01	18.97	18.96		
20	64QAM	1	99	18.93	18.98	18.99		
20	64QAM	50	0	18.95	19.03	18.87	20	0
20	64QAM	50	24	19.04	19.00	18.89		
20	64QAM	50	50	18.96	19.04	18.89		
20	64QAM	100	0	18.96	19.05	19.04		
20	256QAM	1	0	19.10	19.04	18.99	20	0
20	256QAM	1	49	19.00	18.96	18.99		
20	256QAM	1	99	18.99	19.05	19.03		
20	256QAM	50	0	19.03	19.10	18.89	20	0
20	256QAM	50	24	19.02	19.06	18.91		
20	256QAM	50	50	18.95	19.07	18.88		
20	256QAM	100	0	19.00	19.07	18.98		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	19.10	19.11	19.03	20	0
15	QPSK	1	37	19.01	18.90	19.03		
15	QPSK	1	74	18.95	19.04	18.96		
15	QPSK	36	0	19.02	19.11	18.95	20	0
15	QPSK	36	20	19.03	19.02	18.89		
15	QPSK	36	39	19.02	19.01	18.97		
15	QPSK	75	0	18.98	19.05	19.02		
15	16QAM	1	0	19.01	18.97	18.89	20	0
15	16QAM	1	37	18.87	18.81	18.86		
15	16QAM	1	74	19.01	18.95	18.88		
15	16QAM	36	0	18.90	18.93	18.75	20	0
15	16QAM	36	20	18.96	18.87	18.84		
15	16QAM	36	39	18.86	18.93	18.82		
15	16QAM	75	0	18.90	18.94	18.94		
15	64QAM	1	0	19.01	19.00	18.95	20	0
15	64QAM	1	37	18.92	18.91	18.91		
15	64QAM	1	74	18.91	18.87	18.86		
15	64QAM	36	0	18.84	18.93	18.85	20	0
15	64QAM	36	20	18.99	18.92	18.77		
15	64QAM	36	39	18.92	18.99	18.87		
15	64QAM	75	0	18.83	19.02	19.00		
15	256QAM	1	0	19.00	19.00	18.85	20	0
15	256QAM	1	37	18.93	18.87	18.86		
15	256QAM	1	74	18.89	18.91	18.97		
15	256QAM	36	0	18.95	18.96	18.81	20	0
15	256QAM	36	20	18.93	19.00	18.80		
15	256QAM	36	39	18.87	18.96	18.80		
15	256QAM	75	0	18.92	19.00	18.85		
Channel				42140	42540	42940	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	19.02	19.07	19.06	20	0
10	QPSK	1	25	19.01	18.91	19.05		
10	QPSK	1	49	18.95	18.98	18.96		
10	QPSK	25	0	18.94	19.08	18.94	20	0
10	QPSK	25	12	18.99	19.09	18.91		
10	QPSK	25	25	18.96	19.03	18.88		
10	QPSK	50	0	19.01	19.01	18.97		
10	16QAM	1	0	18.96	19.03	18.97	20	0
10	16QAM	1	25	18.85	18.83	18.93		
10	16QAM	1	49	18.98	18.84	18.90		
10	16QAM	25	0	18.85	19.00	18.83	20	0
10	16QAM	25	12	18.91	18.92	18.82		
10	16QAM	25	25	18.94	18.99	18.81		
10	16QAM	50	0	18.94	18.99	18.95		
10	64QAM	1	0	19.04	19.00	19.02	20	0
10	64QAM	1	25	18.88	18.92	18.90		
10	64QAM	1	49	18.85	18.95	18.85		
10	64QAM	25	0	18.92	18.94	18.75	20	0
10	64QAM	25	12	18.98	18.96	18.79		
10	64QAM	25	25	18.87	18.96	18.85		
10	64QAM	50	0	18.86	19.02	18.94		
10	256QAM	1	0	18.98	18.90	18.91	20	0
10	256QAM	1	25	18.87	18.94	18.95		
10	256QAM	1	49	18.86	19.03	19.00		
10	256QAM	25	0	19.01	19.06	18.79	20	0
10	256QAM	25	12	18.92	18.98	18.81		
10	256QAM	25	25	18.82	18.93	18.81		
10	256QAM	50	0	18.93	18.99	18.88		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	19.09	19.11	19.09	20	0
5	QPSK	1	12	19.02	18.99	19.05		
5	QPSK	1	24	18.99	19.07	19.02		
5	QPSK	12	0	19.04	19.11	18.96	20	0
5	QPSK	12	7	18.97	19.07	18.97		
5	QPSK	12	13	19.02	18.99	18.96		
5	QPSK	25	0	18.92	19.03	19.02	20	0
5	16Q

GSM1900 Ant4 DSI3

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.08	26.92	27.01	28.50	18.08	17.92	18.01	19.50
GPRS 1 Tx slot	27.11	27.00	27.08	28.50	18.11	18.00	18.08	19.50
GPRS 2 Tx slots	23.89	24.10	23.75	25.50	17.89	18.10	17.75	19.50
GPRS 3 Tx slots	22.10	22.17	21.87	23.70	17.84	17.91	17.61	19.44
GPRS 4 Tx slots	20.63	20.74	20.58	22.50	17.63	17.74	17.58	19.50
EDGE 1 Tx slot	23.25	23.23	23.27	25.20	14.25	14.23	14.27	16.20
EDGE 2 Tx slots	20.57	20.52	20.35	22.20	14.57	14.52	14.35	16.20
EDGE 3 Tx slots	18.78	18.97	18.74	20.40	14.52	14.71	14.48	16.14
EDGE 4 Tx slots	17.25	17.31	17.22	19.20	14.25	14.31	14.22	16.20

WCDMA II Ant4 DSI3 WCDMA IV Ant4 DSI3

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.63	19.74	19.64	21.20	20.00	20.29	20.27	21.90
3GPP Rel 99	RMC 12.2Kbps	19.75	19.78	19.73	21.20	20.17	20.38	20.33	21.90
3GPP Rel 6	HSDPA Subtest-1	18.79	18.75	18.69	20.20	19.18	19.39	19.37	20.90
3GPP Rel 6	HSDPA Subtest-2	18.76	18.75	18.77	20.20	19.14	19.40	19.36	20.90
3GPP Rel 6	HSDPA Subtest-3	18.23	18.29	18.28	19.70	18.68	18.91	18.84	20.40
3GPP Rel 6	HSDPA Subtest-4	18.31	18.24	18.28	19.70	18.67	18.93	18.84	20.40
3GPP Rel 8	DC-HSDPA Subtest-1	18.81	18.82	18.69	20.20	19.15	19.41	19.35	20.90
3GPP Rel 8	DC-HSDPA Subtest-2	18.75	18.75	18.69	20.20	19.12	19.41	19.39	20.90
3GPP Rel 8	DC-HSDPA Subtest-3	18.28	18.23	18.20	19.70	18.68	18.90	18.85	20.40
3GPP Rel 8	DC-HSDPA Subtest-4	18.23	18.29	18.20	19.70	18.67	18.84	18.87	20.40
3GPP Rel 6	HSUPA Subtest-1	18.72	18.82	18.76	20.20	19.18	19.38	19.38	20.90
3GPP Rel 6	HSUPA Subtest-2	16.81	16.72	16.74	18.20	17.20	17.36	17.32	18.90
3GPP Rel 6	HSUPA Subtest-3	17.70	17.80	17.71	19.20	18.15	18.42	18.39	19.90
3GPP Rel 6	HSUPA Subtest-4	16.71	16.78	16.73	18.20	17.14	17.41	17.32	18.90
3GPP Rel 6	HSUPA Subtest-5	18.77	18.83	18.76	20.20	19.13	19.39	19.38	20.90
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.28	16.27	16.28	17.70	16.70	16.84	16.91	18.40

Band 2 Ant4 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	20.13	20.16	20.10		
20	QPSK	1	49	20.10	20.09	19.99	21.7	0
20	QPSK	1	99	20.05	20.04	20.03		
20	QPSK	50	0	20.07	20.14	19.98		
20	QPSK	50	24	20.10	20.11	20.07	21.7	0
20	QPSK	50	50	20.09	20.03	19.97		
20	QPSK	100	0	20.03	20.13	19.99		
20	16QAM	1	0	20.01	20.12	20.04		
20	16QAM	1	49	20.08	20.05	19.92	21.7	0
20	16QAM	1	99	19.98	19.91	19.93		
20	16QAM	50	0	19.18	19.13	19.14		
20	16QAM	50	24	19.11	19.13	18.99	20.7	1
20	16QAM	50	50	19.02	18.99	19.05		
20	16QAM	100	0	19.10	19.16	19.03		
20	64QAM	1	0	19.08	19.15	19.11		
20	64QAM	1	49	19.06	18.97	18.99	20.7	1
20	64QAM	1	99	19.04	19.13	18.93		
20	64QAM	50	0	18.17	18.11	18.07		
20	64QAM	50	24	18.14	18.14	17.98	19.7	2
20	64QAM	50	50	18.01	18.09	18.01		
20	64QAM	100	0	18.10	18.10	17.97		
20	256QAM	1	0	16.13	16.21	16.12		
20	256QAM	1	49	16.10	16.14	16.01	17.7	4
20	256QAM	1	99	16.02	16.04	16.08		
20	256QAM	50	0	16.08	16.10	15.97		
20	256QAM	50	24	16.08	16.16	16.06	17.7	4
20	256QAM	50	50	16.13	16.08	16.02		
20	256QAM	100	0	16.03	16.19	16.01		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	20.07	20.05	20.04		
15	QPSK	1	37	20.06	19.95	19.94	21.7	0
15	QPSK	1	74	19.96	19.97	19.91		
15	QPSK	36	0	20.02	20.02	19.87		
15	QPSK	36	20	20.01	20.09	19.99	21.7	0
15	QPSK	36	39	20.01	19.98	19.86		
15	QPSK	75	0	19.95	20.01	19.89		
15	16QAM	1	0	19.90	20.02	19.91		
15	16QAM	1	37	19.99	19.95	19.79	21.7	0
15	16QAM	1	74	19.85	19.86	19.79		
15	16QAM	36	0	19.12	19.08	19.07		
15	16QAM	36	20	19.06	19.10	18.91	20.7	1
15	16QAM	36	39	18.89	18.93	18.97		
15	16QAM	75	0	19.00	19.13	18.95		
15	64QAM	1	0	19.04	19.08	19.07		
15	64QAM	1	37	19.04	18.90	18.94	20.7	1
15	64QAM	1	74	18.93	19.05	18.91		
15	64QAM	36	0	18.07	18.00	18.00		
15	64QAM	36	20	18.11	18.05	17.93	19.7	2
15	64QAM	36	39	17.96	18.00	17.88		
15	64QAM	75	0	18.03	18.06	17.92		
15	256QAM	1	0	16.10	16.10	16.03		
15	256QAM	1	37	15.98	16.11	15.97	17.7	4
15	256QAM	1	74	15.97	15.98	15.99		
15	256QAM	36	0	15.96	16.03	15.85		
15	256QAM	36	20	15.97	16.05	16.00	17.7	4
15	256QAM	36	39	16.10	15.95	15.92		
15	256QAM	75	0	15.98	16.11	15.96		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.99	20.02	20.06		
10	QPSK	1	25	20.06	20.02	19.92	21.7	0
10	QPSK	1	49	20.00	20.00	19.91		
10	QPSK	25	0	19.95	20.02	19.86		
10	QPSK	25	12	20.04	19.98	20.04	21.7	0
10	QPSK	25	25	20.01	19.93	19.89		
10	QPSK	50	0	19.98	20.07	19.86		
10	16QAM	1	0	19.92	20.00	19.99		
10	16QAM	1	25	20.04	19.92	19.86	21.7	0
10	16QAM	1	49	19.91	19.84	19.80		
10	16QAM	25	0	19.12	19.10	19.07		
10	16QAM	25	12	18.99	19.07	18.92	20.7	1
10	16QAM	25	25	18.90	18.91	18.93		
10	16QAM	50	0	19.05	19.03	18.98		
10	64QAM	1	0	19.02	19.11	19.01		
10	64QAM	1	25	19.01	18.94	18.90	20.7	1
10	64QAM	1	49	18.92	19.09	18.87		
10	64QAM	25	0	18.07	18.05	17.95		
10	64QAM	25	12	18.10	18.07	17.89	19.7	2
10	64QAM	25	25	17.95	17.97	17.91		
10	64QAM	50	0	18.04	17.96	17.89		
10	256QAM	1	0	16.00	16.14	15.99		
10	256QAM	1	25	16.05	16.04	15.95	17.7	4
10	256QAM	1	49	15.96	16.02	16.00		
10	256QAM	25	0	16.00	16.05	15.87		
10	256QAM	25	12	16.00	16.05	15.98	17.7	4
10	256QAM	25	25	16.00	16.06	15.94		
10	256QAM	50	0	15.99	16.13	15.97		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	20.06	20.07	20.07		
5	QPSK	1	12	19.99	20.05	19.89	21.7	0
5	QPSK	1	24	19.94	19.95	19.94		
5	QPSK	12	0	19.96	20.00	19.88		
5	QPSK	12	7	20.06	19.99	20.04	21.7	0
5	QPSK	12	13	20.04	19.93	19.93		
5	QPSK	25	0	19.92	20.10	19.93		
5	16QAM	1	0	19.96	19.99	19.97		
5	16QAM	1	12	20.05	20.01	19.83	21.7	0
5	16QAM	1	24	19.86	19.88	19.83		
5	16QAM	12	0	19.04	19.04	19.06		
5	16QAM	12	7	19.03	19.00	18.89	20.7	1
5	16QAM	12	13	18.99	18.89	18.91		
5	16QAM	25	0	19.04	19.07	18.90		
5	64QAM	1	0	19.01	19.07	19.03		
5	64QAM	1	12	19.04	18.86	18.87	20.7	1
5	64QAM	1	24	18.91	19.07	18.82		
5	64QAM	12	0	18.13	18.06	17.96		
5	64QAM	12	7	18.04	18.11	17.89	19.7	2
5	64QAM	12	13	17.87	18.01	17.94		
5	64QAM	25	0	18.00	18.00	17.89		
5	256QAM	1	0	16.07	16.19	16.08		
5	256QAM	1	12	16.04	16.07	15.88	17.7	4
5	256QAM	1	24	15.95	15.98	15.96		
5	256QAM	12	0	16.02	16.06	15.85		
5	256QAM	12	7	16.03	16.07	16.02	17.7	4
5	256QAM	12	13	16.06	15.99	15.99		
5	256QAM	25	0	16.00	16.09	15.96		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.99	20.06	20.07		
3	QPSK	1	8	20.00	20.06	19.90	21.7	0
3	QPSK	1	14	19.91	19.96	19.95		
3	QPSK	8	0	19.97	20.06	19.89		
3	QPSK	8	4	20.08	19.97	19.94	21.7	0
3	QPSK	8	7	20.02	20.01	19.91		
3	QPSK	15	0	19.91	20.08	19.88		
3	16QAM	1	0	19.90	20.07	20.00		
3	16QAM	1	8	20.00	20.01	19.84	21.7	0
3	16QAM	1	14	19.96	19.81	19.84		
3	16QAM	8	0	19.06	19.00	19.10		
3	16QAM	8	4	19.00	19.08	18.85	20.7	1
3	16QAM	8	7	18.96	18.87	19.00		
3	16QAM	15	0	19.03	19.06	18.95		
3	64QAM	1	0	19.02	19.02	19.04		
3	64QAM	1	8	18.98	18.91	18.96	20.7	1
3	64QAM	1	14	19.02	19.06	18.79		
3	64QAM	8	0	18.05	17.97	17.98		
3	64QAM	8	4	18.10	18.06	17.95	19.7	2
3	64QAM	8	7	17.91	17.99	17.92		
3	64QAM	15	0	17.96	18.02	17.89		
3	256QAM	1	0	16.00	16.16	16.04		
3	256QAM	1	8	16.01	16.11	15.89	17.7	4
3	256QAM	1	14	15.99	15.95	15.95		
3	256QAM	8	0	15.95	16.04	15.94		
3	256QAM	8	4	16.02	16.14	15.99	17.7	4
3	256QAM	8	7	16.01	15.98	15.97		
3	256QAM	15	0	15.94	16.07	15.90		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.02	20.12	19.99		
1.4	QPSK	1	3	20.06	20.04	19.89		
1.4	QPSK	1	5	19.98	19.92	19.93	21.7	0
1.4	QPSK	3	0	19.96	20.07	19.85		
1.4	QPSK	3	1	20.05	19.98	19.99		
1.4	QPSK	3	3	20.05	19.90	19.90		
1.4	QPSK	6	0	19.97	20.08	19.88	21.7	0
1.4	16QAM	1	0	19.94	20.09	19.93		
1.4	16QAM	1	3	20.05	19.93	19.85		
1.4	16QAM	1	5	19.87	19.87	19.85	21.7	0
1.4	16QAM	3	0	19.91	19.99	19.87		
1.4	16QAM	3	1	20.02	19.86	19.76		
1.4	16QAM	3	3	19.82	19.84	19.72		
1.4	16QAM	6	0	19.97	19.12	19.91	20.7	1
1.4	64QAM	1	0	19.02	19.09	18.97		
1.4	64QAM	1	3	18.93	18.88	18.95		
1.4	64QAM	1	5	19.00	19.04	18.89	20.7	1
1.4	64QAM	3	0	18.85	19.01	18.83		
1.4	64QAM	3	1	18.92	19.05	18.91		
1.4	64QAM	3	3	18.91	18.85	18.87		
1.4	64QAM	6	0	17.99	18.05	17.90	19.7	2
1.4	256QAM	1	0	16.00	16.11	16.00		
1.4	256QAM	1	3	16.00	16.06	15.91		
1.4	256QAM	1	5	15.90	16.00	15.98	17.7	4
1.4	256QAM	3	0	16.00	15.99	15.84		
1.4	256QAM	3	1	15.95	16.03	16.00		
1.4	256QAM	3	3	16.04	15.97	15.91		
1.4	256QAM	6	0	15.90	16.15	15.95	17.7	4

Band 4 Ant4 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	18.78	18.83	18.80		
20	QPSK	1	49	18.65	18.72	18.70	19.9	0
20	QPSK	1	99	18.73	18.80	18.75		
20	QPSK	50	0	18.65	18.79	18.74		
20	QPSK	50	24	18.74	18.70	18.67	19.9	0
20	QPSK	50	50	18.70	18.77	18.71		
20	QPSK	100	0	18.69	18.78	18.75		
20	16QAM	1	0	18.71	18.75	18.78		
20	16QAM	1	49	18.63	18.69	18.58	19.9	0
20	16QAM	1	99	18.70	18.74	18.71		
20	16QAM	50	0	18.61	18.77	18.65		
20	16QAM	50	24	18.61	18.60	18.55	19.9	0
20	16QAM	50	50	18.66	18.75	18.58		
20	16QAM	100	0	18.58	18.73	18.65		
20	64QAM	1	0	18.69	18.76	18.70		
20	64QAM	1	49	18.61	18.59	18.64	19.9	0
20	64QAM	1	99	18.69	18.70	18.67		
20	64QAM	50	0	18.55	18.75	18.68		
20	64QAM	50	24	18.66	18.63	18.55	19.9	0
20	64QAM	50	50	18.57	18.73	18.57		
20	64QAM	100	0	18.57	18.67	18.61		
20	256QAM	1	0	16.73	16.86	16.79		
20	256QAM	1	49	16.59	16.75	16.71	17.9	2
20	256QAM	1	99	16.76	16.81	16.80		
20	256QAM	50	0	16.61	16.81	16.70		
20	256QAM	50	24	16.76	16.74	16.69	17.9	2
20	256QAM	50	50	16.65	16.71	16.67		
20	256QAM	100	0	16.70	16.76	16.78		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	18.67	18.73	18.71		
15	QPSK	1	37	18.61	18.69	18.56	19.9	0
15	QPSK	1	74	18.65	18.72	18.64		
15	QPSK	36	0	18.60	18.70	18.61		
15	QPSK	36	20	18.70	18.67	18.53	19.9	0
15	QPSK	36	39	18.64	18.67	18.66		
15	QPSK	75	0	18.60	18.72	18.67		
15	16QAM	1	0	18.59	18.66	18.74		
15	16QAM	1	37	18.55	18.59	18.51	19.9	0
15	16QAM	1	74	18.68	18.63	18.62		
15	16QAM	36	0	18.57	18.73	18.52		
15	16QAM	36	20	18.57	18.53	18.50	19.9	0
15	16QAM	36	39	18.53	18.64	18.53		
15	16QAM	75	0	18.46	18.65	18.54		
15	64QAM	1	0	18.62	18.63	18.64		
15	64QAM	1	37	18.51	18.53	18.52	19.9	0
15	64QAM	1	74	18.56	18.57	18.53		
15	64QAM	36	0	18.49	18.61	18.60		
15	64QAM	36	20	18.53	18.55	18.44	19.9	0
15	64QAM	36	39	18.52	18.69	18.44		
15	64QAM	75	0	18.48	18.61	18.48		
15	256QAM	1	0	16.67	16.78	16.65		
15	256QAM	1	37	16.49	16.72	16.68	17.9	2
15	256QAM	1	74	16.63	16.77	16.75		
15	256QAM	36	0	16.51	16.75	16.61		
15	256QAM	36	20	16.72	16.65	16.55	17.9	2
15	256QAM	36	39	16.61	16.67	16.64		
15	256QAM	75	0	16.68	16.64	16.73		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	18.66	18.79	18.72		
10	QPSK	1	25	18.55	18.62	18.61	19.9	0
10	QPSK	1	49	18.63	18.72	18.62		
10	QPSK	25	0	18.63	18.75	18.71		
10	QPSK	25	12	18.67	18.57	18.55	19.9	0
10	QPSK	25	25	18.64	18.69	18.58		
10	QPSK	50	0	18.65	18.76	18.69		
10	16QAM	1	0	18.63	18.70	18.73		
10	16QAM	1	25	18.60	18.58	18.46	19.9	0
10	16QAM	1	49	18.59	18.61	18.57		
10	16QAM	25	0	18.56	18.69	18.62		
10	16QAM	25	12	18.48	18.48	18.50	19.9	0
10	16QAM	25	25	18.53	18.63	18.45		
10	16QAM	50	0	18.49	18.63	18.56		
10	64QAM	1	0	18.55	18.73	18.58		
10	64QAM	1	25	18.51	18.47	18.58	19.9	0
10	64QAM	1	49	18.65	18.59	18.57		
10	64QAM	25	0	18.41	18.64	18.65		
10	64QAM	25	12	18.54	18.58	18.50	19.9	0
10	64QAM	25	25	18.46	18.65	18.51		
10	64QAM	50	0	18.47	18.63	18.53		
10	256QAM	1	0	16.68	16.74	16.75		
10	256QAM	1	25	16.47	16.62	16.59	17.9	2
10	256QAM	1	49	16.67	16.70	16.73		
10	256QAM	25	0	16.58	16.75	16.63		
10	256QAM	25	12	16.71	16.72	16.62	17.9	2
10	256QAM	25	25	16.55	16.60	16.58		
10	256QAM	50	0	16.64	16.65	16.66		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	18.68	18.72	18.77		
5	QPSK	1	12	18.60	18.64	18.59	19.9	0
5	QPSK	1	24	18.61	18.76	18.62		
5	QPSK	12	0	18.53	18.69	18.70		
5	QPSK	12	7	18.61	18.65	18.63	19.9	0
5	QPSK	12	13	18.59	18.70	18.59		
5	QPSK	25	0	18.60	18.75	18.65		
5	16QAM	1	0	18.59	18.72	18.70		
5	16QAM	1	12	18.58	18.63	18.54	19.9	0
5	16QAM	1	24	18.67	18.65	18.57		
5	16QAM	12	0	18.47	18.69	18.51		
5	16QAM	12	7	18.50	18.47	18.43	19.9	0
5	16QAM	12	13	18.63	18.68	18.54		
5	16QAM	25	0	18.45	18.59	18.59		
5	64QAM	1	0	18.66	18.70	18.68		
5	64QAM	1	12	18.55	18.53	18.52	19.9	0
5	64QAM	1	24	18.59	18.61	18.56		
5	64QAM	12	0	18.43	18.73	18.55		
5	64QAM	12	7	18.54	18.54	18.42	19.9	0
5	64QAM	12	13	18.43	18.68	18.54		
5	64QAM	25	0	18.52	18.60	18.58		
5	256QAM	1	0	16.70	16.72	16.66		
5	256QAM	1	12	16.46	16.68	16.65	17.9	2
5	256QAM	1	24	16.68	16.71	16.78		
5	256QAM	12	0	16.51	16.70	16.65		
5	256QAM	12	7	16.72	16.70	16.66	17.9	2
5	256QAM	12	13	16.60	16.62	16.56		
5	256QAM	25	0	16.62	16.63	16.72		
Channel				19950	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	18.74	18.70	18.69		
3	QPSK	1	8	18.63	18.65	18.59	19.9	0
3	QPSK	1	14	18.59	18.72	18.65		
3	QPSK	8	0	18.59	18.73	18.60		
3	QPSK	8	4	18.64	18.62	18.62	19.9	0
3	QPSK	8	7	18.67	18.66	18.62		
3	QPSK	15	0	18.67	18.65	18.63		
3	16QAM	1	0	18.59	18.65	18.71		
3	16QAM	1	8	18.51	18.60	18.46	19.9	0
3	16QAM	1	14	18.63	18.65	18.66		
3	16QAM	8	0	18.55	18.66	18.59		
3	16QAM	8	4	18.56	18.54	18.46	19.9	0
3	16QAM	8	7	18.63	18.69	18.47		
3	16QAM	15	0	18.48	18.67	18.59		
3	64QAM	1	0	18.65	18.68	18.59		
3	64QAM	1	8	18.53	18.46	18.53	19.9	0
3	64QAM	1	14	18.61	18.58	18.62		
3	64QAM	8	0	18.53	18.66	18.65		
3	64QAM	8	4	18.56	18.58	18.52	19.9	0
3	64QAM	8	7	18.44	18.66	18.49		
3	64QAM	15	0	18.49	18.56	18.59		
3	256QAM	1	0	16.65	16.82	16.67		
3	256QAM	1	8	16.45	16.64	16.59	17.9	2
3	256QAM	1	14	16.62	16.70	16.67		
3	256QAM	8	0	16.56	16.71	16.68		
3	256QAM	8	4	16.63	16.64	16.63	17.9	2
3	256QAM	8	7	16.54	16.67	16.55		
3	256QAM	15	0	16.57	16.67	16.71		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.65	18.80	18.75		
1.4	QPSK	1	3	18.57	18.68	18.57		
1.4	QPSK	1	5	18.64	18.67	18.70	19.9	0
1.4	QPSK	3	0	18.57	18.71	18.66		
1.4	QPSK	3	1	18.72	18.66	18.63		
1.4	QPSK	3	3	18.58	18.66	18.68		
1.4	QPSK	6	0	18.57	18.73	18.66	19.9	0
1.4	16QAM	1	0	18.59	18.69	18.76		
1.4	16QAM	1	3	18.55	18.55	18.51		
1.4	16QAM	1	5	18.60	18.68	18.64	19.9	0
1.4	16QAM	3	0	18.49	18.66	18.56		
1.4	16QAM	3	1	18.55	18.50	18.49		
1.4	16QAM	3	3	18.63	18.67	18.45		
1.4	16QAM	6	0	18.49	18.70	18.55	19.9	0
1.4	64QAM	1	0	18.61	18.71	18.57		
1.4	64QAM	1	3	18.51	18.57	18.51		
1.4	64QAM	1	5	18.62	18.58	18.63	19.9	0
1.4	64QAM	3	0	18.49	18.73	18.55		
1.4	64QAM	3	1	18.57	18.52	18.42		
1.4	64QAM	3	3	18.53	18.67	18.54		
1.4	64QAM	6	0	18.55	18.53	18.57	19.9	0
1.4	256QAM	1	0	16.71	16.82	16.66		
1.4	256QAM	1	3	16.45	16.64	16.64		
1.4	256QAM	1	5	16.68	16.76	16.67	17.9	2
1.4	256QAM	3	0	16.53	16.74	16.60		
1.4	256QAM	3	1	16.67	16.71	16.66		
1.4	256QAM	3	3	16.54	16.68	16.61		
1.4	256QAM	6	0	16.67	16.70	16.72	17.9	2

Band 7 Ant4 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.52	18.58	18.55		
20	QPSK	1	49	18.43	18.53	18.44	19.9	0
20	QPSK	1	99	18.46	18.48	18.52		
20	QPSK	50	0	18.42	18.51	18.42		
20	QPSK	50	24	18.48	18.46	18.45	19.9	0
20	QPSK	50	50	18.43	18.44	18.45		
20	QPSK	100	0	18.43	18.49	18.43		
20	16QAM	1	0	18.38	18.48	18.48		
20	16QAM	1	49

Band 25 Ant4 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	20.18	20.23	20.20		
20	QPSK	1	49	20.11	20.15	20.12	21.8	0
20	QPSK	1	99	20.05	20.15	20.13		
20	QPSK	50	0	19.69	19.78	19.69		
20	QPSK	50	24	19.55	19.65	19.63	21.3	0.5
20	QPSK	50	50	19.55	19.62	19.66		
20	QPSK	100	0	19.69	19.76	19.68		
20	16QAM	1	0	19.68	19.74	19.75		
20	16QAM	1	49	19.56	19.63	19.68	21.3	0.5
20	16QAM	1	99	19.52	19.71	19.64		
20	16QAM	50	0	18.67	18.76	18.73		
20	16QAM	50	24	18.55	18.70	18.58	20.3	1.5
20	16QAM	50	50	18.53	18.66	18.61		
20	16QAM	100	0	18.69	18.78	18.62		
20	64QAM	1	0	18.66	18.72	18.75		
20	64QAM	1	49	18.50	18.62	18.70	20.3	1.5
20	64QAM	1	99	18.46	18.69	18.61		
20	64QAM	50	0	17.74	17.79	17.70		
20	64QAM	50	24	17.49	17.60	17.62	19.3	2.5
20	64QAM	50	50	17.50	17.57	17.65		
20	64QAM	100	0	17.65	17.80	17.73		
20	256QAM	1	0	15.69	15.74	15.72		
20	256QAM	1	49	15.49	15.67	15.59	17.3	4.5
20	256QAM	1	99	15.57	15.58	15.66		
20	256QAM	50	0	15.72	15.71	15.70		
20	256QAM	50	24	15.72	15.73	15.70	17.3	4.5
20	256QAM	50	50	15.55	15.62	15.65		
20	256QAM	100	0	15.51	15.75	15.59		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	20.10	20.17	20.17		
15	QPSK	1	37	20.00	20.12	20.10	21.8	0
15	QPSK	1	74	20.02	20.09	20.05		
15	QPSK	36	0	19.65	19.66	19.59		
15	QPSK	36	20	19.44	19.61	19.53	21.3	0.5
15	QPSK	36	39	19.46	19.62	19.64		
15	QPSK	75	0	19.66	19.65	19.65		
15	16QAM	1	0	19.59	19.73	19.64		
15	16QAM	1	37	19.44	19.62	19.60	21.3	0.5
15	16QAM	1	74	19.51	19.62	19.62		
15	16QAM	36	0	18.66	18.65	18.68		
15	16QAM	36	20	18.45	18.63	18.57	20.3	1.5
15	16QAM	36	39	18.44	18.65	18.59		
15	16QAM	75	0	18.64	18.78	18.55		
15	64QAM	1	0	18.60	18.63	18.65		
15	64QAM	1	37	18.39	18.50	18.68	20.3	1.5
15	64QAM	1	74	18.43	18.64	18.53		
15	64QAM	36	0	17.66	17.73	17.61		
15	64QAM	36	20	17.41	17.55	17.52	19.3	2.5
15	64QAM	36	39	17.47	17.50	17.60		
15	64QAM	75	0	17.54	17.72	17.64		
15	256QAM	1	0	15.65	15.71	15.70		
15	256QAM	1	37	15.41	15.56	15.55	17.3	4.5
15	256QAM	1	74	15.52	15.53	15.66		
15	256QAM	36	0	15.62	15.61	15.63		
15	256QAM	36	20	15.68	15.61	15.68	17.3	4.5
15	256QAM	36	39	15.49	15.55	15.62		
15	256QAM	75	0	15.44	15.72	15.52		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	20.10	20.20	20.18		
10	QPSK	1	25	20.03	20.15	20.06	21.8	0
10	QPSK	1	49	19.99	20.05	20.05		
10	QPSK	25	0	19.66	19.69	19.69		
10	QPSK	25	12	19.51	19.54	19.60	21.3	0.5
10	QPSK	25	25	19.50	19.55	19.58		
10	QPSK	50	0	19.59	19.66	19.67		
10	16QAM	1	0	19.67	19.71	19.70		
10	16QAM	1	25	19.55	19.53	19.56	21.3	0.5
10	16QAM	1	49	19.41	19.64	19.61		
10	16QAM	25	0	18.62	18.69	18.62		
10	16QAM	25	12	18.44	18.64	18.49	20.3	1.5
10	16QAM	25	25	18.42	18.60	18.52		
10	16QAM	50	0	18.57	18.70	18.55		
10	64QAM	1	0	18.62	18.71	18.72		
10	64QAM	1	25	18.47	18.56	18.58	20.3	1.5
10	64QAM	1	49	18.43	18.60	18.57		
10	64QAM	25	0	17.71	17.74	17.67		
10	64QAM	25	12	17.40	17.49	17.56	19.3	2.5
10	64QAM	25	25	17.40	17.55	17.65		
10	64QAM	50	0	17.58	17.74	17.68		
10	256QAM	1	0	15.62	15.71	15.61		
10	256QAM	1	25	15.40	15.57	15.49	17.3	4.5
10	256QAM	1	49	15.53	15.51	15.66		
10	256QAM	25	0	15.62	15.63	15.59		
10	256QAM	25	12	15.61	15.69	15.70	17.3	4.5
10	256QAM	25	25	15.48	15.54	15.62		
10	256QAM	50	0	15.51	15.70	15.57		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	20.17	20.15	20.09		
5	QPSK	1	12	20.09	20.09	20.11	21.8	0
5	QPSK	1	24	19.94	20.08	20.10		
5	QPSK	12	0	19.64	19.77	19.59		
5	QPSK	12	7	19.49	19.61	19.56	21.3	0.5
5	QPSK	12	13	19.49	19.50	19.56		
5	QPSK	25	0	19.59	19.73	19.60		
5	16QAM	1	0	19.68	19.72	19.65		
5	16QAM	1	12	19.48	19.61	19.57	21.3	0.5
5	16QAM	1	24	19.44	19.62	19.53		
5	16QAM	12	0	18.59	18.75	18.64		
5	16QAM	12	7	18.45	18.58	18.48	20.3	1.5
5	16QAM	12	13	18.47	18.63	18.50		
5	16QAM	25	0	18.64	18.71	18.51		
5	64QAM	1	0	18.59	18.64	18.63		
5	64QAM	1	12	18.42	18.53	18.66	20.3	1.5
5	64QAM	1	24	18.43	18.57	18.58		
5	64QAM	12	0	17.66	17.72	17.69		
5	64QAM	12	7	17.46	17.55	17.61	19.3	2.5
5	64QAM	12	13	17.41	17.46	17.61		
5	64QAM	25	0	17.57	17.79	17.67		
5	256QAM	1	0	15.68	15.65	15.68		
5	256QAM	1	12	15.47	15.67	15.50	17.3	4.5
5	256QAM	1	24	15.46	15.48	15.56		
5	256QAM	12	0	15.72	15.60	15.59		
5	256QAM	12	7	15.67	15.62	15.69	17.3	4.5
5	256QAM	12	13	15.53	15.58	15.65		
5	256QAM	25	0	15.41	15.69	15.48		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	20.08	20.21	20.16		
3	QPSK	1	8	20.00	20.07	20.04	21.8	0
3	QPSK	1	14	20.04	20.10	20.07		
3	QPSK	8	0	19.57	19.75	19.60		
3	QPSK	8	4	19.51	19.60	19.58	21.3	0.5
3	QPSK	8	7	19.45	19.55	19.66		
3	QPSK	15	0	19.62	19.65	19.68		
3	16QAM	1	0	19.59	19.70	19.72		
3	16QAM	1	8	19.51	19.62	19.66	21.3	0.5
3	16QAM	1	14	19.43	19.65	19.59		
3	16QAM	8	0	18.56	18.76	18.71		
3	16QAM	8	4	18.54	18.65	18.52	20.3	1.5
3	16QAM	8	7	18.45	18.57	18.52		
3	16QAM	15	0	18.68	18.75	18.61		
3	64QAM	1	0	18.57	18.70	18.74		
3	64QAM	1	8	18.44	18.54	18.58	20.3	1.5
3	64QAM	1	14	18.40	18.61	18.56		
3	64QAM	8	0	17.70	17.79	17.61		
3	64QAM	8	4	17.41	17.51	17.57	19.3	2.5
3	64QAM	8	7	17.42	17.51	17.59		
3	64QAM	15	0	17.54	17.76	17.69		
3	256QAM	1	0	15.58	15.63	15.64		
3	256QAM	1	8	15.47	15.66	15.59	17.3	4.5
3	256QAM	1	14	15.45	15.52	15.64		
3	256QAM	8	0	15.60	15.60	15.59		
3	256QAM	8	4	15.61	15.67	15.63	17.3	4.5
3	256QAM	8	7	15.54	15.53	15.54		
3	256QAM	15	0	15.45	15.65	15.57		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	20.06	20.19	20.16		
1.4	QPSK	1	3	20.05	20.07	20.04		
1.4	QPSK	1	5	19.97	20.13	20.06	21.8	0
1.4	QPSK	3	0	19.96	20.19	20.12		
1.4	QPSK	3	1	19.96	19.96	19.94		
1.4	QPSK	3	3	19.97	20.10	20.01		
1.4	QPSK	6	0	19.63	19.73	19.58	21.3	0.5
1.4	16QAM	1	0	19.61	19.66	19.74		
1.4	16QAM	1	3	19.53	19.60	19.58		
1.4	16QAM	1	5	19.49	19.66	19.57	21.3	0.5
1.4	16QAM	3	0	19.62	19.72	19.55		
1.4	16QAM	3	1	19.54	19.56	19.73		
1.4	16QAM	3	3	19.49	19.54	19.52		
1.4	16QAM	6	0	18.63	18.66	18.54	20.3	1.5
1.4	64QAM	1	0	18.55	18.69	18.63		
1.4	64QAM	1	3	18.50	18.56	18.60		
1.4	64QAM	1	5	18.42	18.66	18.60	20.3	1.5
1.4	64QAM	3	0	18.52	18.55	18.45		
1.4	64QAM	3	1	18.46	18.64	18.58		
1.4	64QAM	3	3	18.39	18.56	18.50		
1.4	64QAM	6	0	17.57	17.75	17.61	19.3	2.5
1.4	256QAM	1	0	15.57	15.73	15.68		
1.4	256QAM	1	3	15.39	15.57	15.58		
1.4	256QAM	1	5	15.54	15.58	15.64	17.3	4.5
1.4	256QAM	3	0	15.71	15.70	15.67		
1.4	256QAM	3	1	15.65	15.72	15.66		
1.4	256QAM	3	3	15.43	15.59	15.60		
1.4	256QAM	6	0	15.40	15.65	15.54	17.3	4.5

Band 66 Ant4 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	18.95	19.01	18.98		
20	QPSK	1	49	18.86	18.90	18.87	20	0
20	QPSK	1	99	18.85	18.90	18.88		
20	QPSK	50	0	18.86	18.99	18.98		
20	QPSK	50	24	18.94	18.89	18.90	20	0
20	QPSK	50	50	18.86	18.98	18.87		
20	QPSK	100	0	18.87	18.97	18.89		
20	16QAM	1	0	18.93	18.90	18.90		
20	16QAM	1	49	18.84	18.83	18.82	20	0
20	16QAM	1	99	18.78	18.80	18.78		
20	16QAM	50	0	18.81	18.97	18.97		
20	16QAM	50	24	18.89	18.81	18.90	20	0
20	16QAM	50	50	18.77	18.86	18.85		
20	16QAM	100	0	18.82	18.93	18.82		
20	64QAM	1	0	18.88	18.97	18.95		
20	64QAM	1	49	18.84	18.88	18.87	20	0
20	64QAM	1	99	18.75	18.81	18.87		
20	64QAM	50	0	18.75	18.94	18.92		
20	64QAM	50	24	18.92	18.82	18.89	20	0
20	64QAM	50	50	18.81	18.92	18.85		
20	64QAM	100	0	18.85	18.86	18.86		
20	256QAM	1	0	17.00	17.07	16.98		
20	256QAM	1	49	16.91	16.92	16.81	18	2
20	256QAM	1	99	16.98	16.86	16.92		
20	256QAM	50	0	16.84	16.96	16.98		
20	256QAM	50	24	16.93	16.92	16.95	18	2
20	256QAM	50	50	16.84	17.01	16.87		
20	256QAM	100	0	16.84	17.01	16.92		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.86	18.94	18.94		
15	QPSK	1	37	18.73	18.84	18.78	20	0
15	QPSK	1	74	18.73	18.85	18.77		
15	QPSK	36	0	18.82	18.89	18.91		
15	QPSK	36	20	18.82	18.76	18.88	20	0
15	QPSK	36	39	18.82	18.88	18.80		
15	QPSK	75	0	18.74	18.84	18.81		
15	16QAM	1	0	18.89	18.86	18.84		
15	16QAM	1	37	18.78	18.73	18.68	20	0
15	16QAM	1	74	18.75	18.74	18.70		
15	16QAM	36	0	18.78	18.93	18.94		
15	16QAM	36	20	18.78	18.71	18.68	20	0
15	16QAM	36	39	18.67	18.74	18.74		
15	16QAM	75	0	18.79	18.87	18.70		
15	64QAM	1	0	18.85	18.87	18.88		
15	64QAM	1	37	18.80	18.75	18.85	20	0
15	64QAM	1	74	18.63	18.78	18.78		
15	64QAM	36	0	18.64	18.82	18.80		
15	64QAM	36	20	18.87	18.75	18.85	20	0
15	64QAM	36	39	18.72	18.79	18.82		
15	64QAM	75	0	18.83	18.82	18.73		
15	256QAM	1	0	16.97	16.96	16.94		
15	256QAM	1	37	16.86	16.78	16.70	18	2
15	256QAM	1	74	16.76	16.77	16.79		
15	256QAM	36	0	16.81	16.91	16.85		
15	256QAM	36	20	16.80	16.79	16.86	18	2
15	256QAM	36	39	16.72	16.92	16.83		
15	256QAM	75	0	16.76	16.92	16.87		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.84	18.94	18.92		
10	QPSK	1	25	18.74	18.83	18.78	20	0
10	QPSK	1	49	18.83	18.78	18.83		
10	QPSK	25	0	18.74	18.90	18.90		
10	QPSK	25	12	18.87	18.84	18.84	20	0
10	QPSK	25	25	18.82	18.86	18.78		
10	QPSK	50	0	18.83	18.87	18.78		
10	16QAM	1	0	18.82	18.76	18.84		
10	16QAM	1	25	18.74	18.70	18.77	20	0
10	16QAM	1	49	18.73	18.67	18.69		
10	16QAM	25	0	18.74	18.91	18.89		
10	16QAM	25	12	18.86	18.70	18.73	20	0
10	16QAM	25	25	18.71	18.83	18.83		
10	16QAM	50	0	18.71	18.85	18.77		
10	64QAM	1	0	18.76	18.89	18.87		
10	64QAM	1	25	18.80	18.84	18.77	20	0
10	64QAM	1	49	18.73	18.78	18.85		
10	64QAM	25	0	18.64	18.81	18.89		
10	64QAM	25	12	18.80	18.72	18.84	20	0
10	64QAM	25	25	18.75	18.78	18.77		
10	64QAM	50	0	18.72	18.76	18.72		
10	256QAM	1	0	16.93	16.99	16.92		
10	256QAM	1	25	16.89	16.83	16.68	18	2
10	256QAM	1	49	16.79	16.76	16.84		
10	256QAM	25	0	16.72	16.88	16.91		
10	256QAM	25	12	16.90	16.84	16.91	18	2
10	256QAM	25	25	16.72	16.94	16.80		
10	256QAM	50	0	16.72	16.93	16.89		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	18.88	18.94	18.95		
5	QPSK	1	12	18.77	18.79	18.83	20	0
5	QPSK	1	24	18.75	18.78	18.77		
5	QPSK	12	0	18.78	18.94	18.94		
5	QPSK	12	7	18.83	18.87	18.76	20	0
5	QPSK	12	13	18.74	18.87	18.77		
5	QPSK	25	0	18.77	18.84	18.78		
5	16QAM	1	0	18.85	18.77	18.79		
5	16QAM	1	12	18.75	18.77	18.70	20	0
5	16QAM	1	24	18.67	18.68	18.70		
5	16QAM	12	0	18.75	18.87	18.90		
5	16QAM	12	7	18.86	18.72	18.76	20	0
5	16QAM	12	13	18.74	18.81	18.82		
5	16QAM	25	0	18.71	18.84	18.69		
5	64QAM	1	0	18.81	18.84	18.87		
5	64QAM	1	12	18.75	18.83	18.83	20	0
5	64QAM	1	24	18.68	18.70	18.81		
5	64QAM	12	0	18.65	18.83	18.86		
5	64QAM	12	7	18.85	18.79	18.77	20	0
5	64QAM	12	13	18.67	18.84	18.82		
5	64QAM	25	0	18.81	18.83	18.77		
5	256QAM	1	0	16.98	17.04	16.94		
5	256QAM	1	12	16.85	16.87	16.72	18	2
5	256QAM	1	24	16.83	16.81	16.90		
5	256QAM	12	0	16.72	16.91	16.94		
5	256QAM	12	7	16.96	16.90	16.86	18	2
5	256QAM	12	13	16.77	16.98	16.80		
5	256QAM	25	0	16.76	16.94	16.86		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	18.85	18.93	18.92		
3	QPSK	1	8	18.83	18.88	18.77	20	0
3	QPSK	1	14	18.79	18.77	18.75		
3	QPSK	8	0	18.73	18.95	18.88		
3	QPSK	8	4	18.85	18.86	18.76	20	0
3	QPSK	8	7	18.84	18.90	18.75		
3	QPSK	15	0	18.74	18.95	18.96		
3	16QAM	1	0	18.79	18.79	18.80		
3	16QAM	1	8	18.70	18.72	18.75	20	0
3	16QAM	1	14	18.69	18.72	18.73		
3	16QAM	8	0	18.70	18.86	18.90		
3	16QAM	8	4	18.77	18.75	18.66	20	0
3	16QAM	8	7	18.67	18.78	18.72		
3	16QAM	15	0	18.76	18.84	18.72		
3	64QAM	1	0	18.76	18.95	18.88		
3	64QAM	1	8	18.78	18.78	18.73	20	0
3	64QAM	1	14	18.62	18.68	18.73		
3	64QAM	8	0	18.72	18.88	18.82		
3	64QAM	8	4	18.80	18.74	18.80	20	0
3	64QAM	8	7	18.71	18.87	18.81		
3	64QAM	15	0	18.74	18.76	18.80		
3	256QAM	1	0	16.98	17.00	16.93		
3	256QAM	1	8	16.79	16.82	16.69	18	2
3	256QAM	1	14	16.78	16.84	16.81		
3	256QAM	8	0	16.81	16.93	16.89		
3	256QAM	8	4	16.89	16.89	16.82	18	2
3	256QAM	8	7	16.81	16.91	16.76		
3	256QAM	15	0	16.70	16.99	16.84		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	18.87	18.88	18.94		
1.4	QPSK	1	3	18.77	18.86	18.82		
1.4	QPSK	1	5	18.75	18.79	18.76	20	0
1.4	QPSK	3	0	18.80	18.90	18.90		
1.4	QPSK	3	1	18.87	18.86	18.80		
1.4	QPSK	3	3	18.75	18.88	18.84		
1.4	QPSK	6	0	18.74	18.86	18.84	20	0
1.4	16QAM	1	0	18.91	18.85	18.82		
1.4	16QAM	1	3	18.78	18.79	18.73		
1.4	16QAM	1	5	18.72	18.69	18.71	20	0
1.4	16QAM	3	0	18.71	18.83	18.90		
1.4	16QAM	3	1	18.87	18.71	18.70		
1.4	16QAM	3	3	18.68	18.72	18.73		
1.4	16QAM	6	0	18.68	18.82	18.69	20	0
1.4	64QAM	1	0	18.78	18.90	18.86		
1.4	64QAM	1	3	18.76	18.78	18.83		
1.4	64QAM	1	5	18.70	18.71	18.77	20	0
1.4	64QAM	3	0	18.62	18.81	18.87		
1.4	64QAM	3	1	18.78	18.75	18.79		
1.4	64QAM	3	3	18.75	18.76	18.83		
1.4	64QAM	6	0	18.80	18.80	18.74	20	0
1.4	256QAM	1	0	16.92	16.96	16.91		
1.4	256QAM	1	3	16.88	16.86	16.72		
1.4	256QAM	1	5	16.76	16.82	16.89	18	2
1.4	256QAM	3	0	16.76	16.86	16.86		
1.4	256QAM	3	1	16.81	16.90	16.93		
1.4	256QAM	3	3	16.82	16.94	16.75		
1.4	256QAM	6	0	16.78	16.97	16.85	18	2

Band 38 Ant4 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.68	21.73	21.71	23.2	0
20	QPSK	1	49	21.63	21.63	21.62		
20	QPSK	1	99	21.62	21.70	21.58		
20	QPSK	50	0	21.59	21.70	21.66	23.2	0
20	QPSK	50	24	21.66	21.67	21.60		
20	QPSK	50	50	21.62	21.64	21.68		
20	QPSK	100	0	21.58	21.68	21.66		
20	16QAM	1	0	21.57	21.62	21.67	23.2	0
20	16QAM	1	49	21.58	21.51	21.49		
20	16QAM	1	99	21.54	21.63	21.50		
20	16QAM	50	0	21.21	21.22	21.25	22.7	0.5
20	16QAM	50	24	21.16	21.11	21.12		
20	16QAM	50	50	21.15	21.24	21.07		
20	16QAM	100	0	21.11	21.25	21.17		
20	64QAM	1	0	21.16	21.16	21.05	22.7	0.5
20	64QAM	1	49	21.10	21.09	21.24		
20	64QAM	1	99	21.06	21.16	21.18		
20	64QAM	50	0	20.14	20.23	20.25	21.7	1.5
20	64QAM	50	24	20.15	20.11	20.18		
20	64QAM	50	50	20.13	20.26	20.05		
20	64QAM	100	0	20.05	20.15	20.10		
20	256QAM	1	0	18.20	18.26	18.17	19.7	3.5
20	256QAM	1	49	18.07	18.11	18.13		
20	256QAM	1	99	18.17	18.20	18.13		
20	256QAM	50	0	18.15	18.20	18.22	19.7	3.5
20	256QAM	50	24	18.20	18.20	18.13		
20	256QAM	50	50	18.15	18.20	18.23		
20	256QAM	100	0	18.06	18.22	18.16		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.63	21.64	21.63	23.2	0
15	QPSK	1	37	21.58	21.50	21.49		
15	QPSK	1	74	21.59	21.66	21.50		
15	QPSK	36	0	21.55	21.59	21.56	23.2	0
15	QPSK	36	20	21.55	21.54	21.48		
15	QPSK	36	39	21.56	21.52	21.58		
15	QPSK	75	0	21.52	21.60	21.57		
15	16QAM	1	0	21.51	21.59	21.63	23.2	0
15	16QAM	1	37	21.51	21.41	21.42		
15	16QAM	1	74	21.42	21.56	21.38		
15	16QAM	36	0	21.18	21.17	21.20	22.7	0.5
15	16QAM	36	20	21.11	21.08	21.02		
15	16QAM	36	39	21.08	21.21	21.01		
15	16QAM	75	0	20.99	21.18	21.08		
15	64QAM	1	0	21.11	21.08	20.98	22.7	0.5
15	64QAM	1	37	21.01	20.95	21.10		
15	64QAM	1	74	21.04	21.04	21.13		
15	64QAM	36	0	20.07	20.10	20.13	21.7	1.5
15	64QAM	36	20	20.10	20.01	20.08		
15	64QAM	36	39	20.04	20.22	19.98		
15	64QAM	75	0	19.97	20.02	20.01		
15	256QAM	1	0	18.11	18.14	18.06	19.7	3.5
15	256QAM	1	37	18.03	17.99	18.01		
15	256QAM	1	74	18.10	18.13	18.09		
15	256QAM	36	0	18.02	18.16	18.15	19.7	3.5
15	256QAM	36	20	18.09	18.15	18.08		
15	256QAM	36	39	18.03	18.08	18.12		
15	256QAM	75	0	17.93	18.13	18.08		
Channel				37800	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.61	21.63	21.60	23.2	0
10	QPSK	1	25	21.56	21.51	21.55		
10	QPSK	1	49	21.49	21.61	21.53		
10	QPSK	25	0	21.51	21.62	21.58	23.2	0
10	QPSK	25	12	21.60	21.60	21.52		
10	QPSK	25	25	21.58	21.50	21.66		
10	QPSK	50	0	21.54	21.55	21.54	23.2	0
10	16QAM	1	0	21.44	21.54	21.65		
10	16QAM	1	25	21.44	21.38	21.41		
10	16QAM	1	49	21.47	21.53	21.38		
10	16QAM	25	0	21.12	21.17	21.17	22.7	0.5
10	16QAM	25	12	21.10	21.06	21.02		
10	16QAM	25	25	21.07	21.16	21.05		
10	16QAM	50	0	21.05	21.12	21.13		
10	64QAM	1	0	21.11	21.12	20.95	22.7	0.5
10	64QAM	1	25	20.97	21.02	21.15		
10	64QAM	1	49	21.01	21.11	21.08		
10	64QAM	25	0	20.08	20.20	20.21	21.7	1.5
10	64QAM	25	12	20.07	19.99	20.08		
10	64QAM	25	25	20.05	20.17	19.97		
10	64QAM	50	0	19.92	20.12	20.01		
10	256QAM	1	0	18.11	18.20	18.11	19.7	3.5
10	256QAM	1	25	18.03	18.00	18.02		
10	256QAM	1	49	18.03	18.13	17.99		
10	256QAM	25	0	18.09	18.17	18.10	19.7	3.5
10	256QAM	25	12	18.06	18.07	18.08		
10	256QAM	25	25	18.09	18.09	18.14		
10	256QAM	50	0	17.98	18.17	18.05		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.56	21.65	21.63	23.2	0
5	QPSK	1	12	21.57	21.60	21.57		
5	QPSK	1	24	21.53	21.60	21.54		
5	QPSK	12	0	21.53	21.68	21.64	23.2	0
5	QPSK	12	7	21.63	21.56	21.48		
5	QPSK	12	13	21.52	21.53	21.61		
5	QPSK	25	0	21.55	21.66	21.57		
5	16QAM	1	0	21.48	21.55	21.60	23.2	0
5	16QAM	1	12	21.47	21.43	21.37		
5	16QAM	1	24	21.51	21.57	21.44		
5	16QAM	12	0	21.16	21.16	21.12	22.7	0.5
5	16QAM	12	7	21.11	21.09	21.00		
5	16QAM	12	13	21.10	21.15	21.00		
5	16QAM	25	0	21.03	21.20	21.12		
5	64QAM	1	0	21.13	21.12	21.00	22.7	0.5
5	64QAM	1	12	21.07	21.07	21.16		
5	64QAM	1	24	20.93	21.09	21.16		
5	64QAM	12	0	20.03	20.13	20.22	21.7	1.5
5	64QAM	12	7	20.05	20.02	20.12		
5	64QAM	12	13	20.02	20.24	20.00		
5	64QAM	25	0	19.93	20.13	20.03		
5	256QAM	1	0	18.11	18.17	18.06	19.7	3.5
5	256QAM	1	12	18.02	18.05	17.99		
5	256QAM	1	24	18.12	18.15	18.05		
5	256QAM	12	0	18.02	18.15	18.19	19.7	3.5
5	256QAM	12	7	18.07	18.10	18.08		
5	256QAM	12	13	18.03	18.09	18.12		
5	256QAM	25	0	18.03	18.08	18.05		

Band 41 Ant4 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.75	20.73	20.79	20.70	20.69	22.2	0
20	QPSK	1	49	20.72	20.62	20.67	20.58	20.57		
20	QPSK	1	99	20.68	20.71	20.76	20.66	20.58		
20	QPSK	50	0	20.71	20.61	20.75	20.61	20.64	22.2	0
20	QPSK	50	24	20.73	20.62	20.73	20.64	20.57		
20	QPSK	50	50	20.70	20.60	20.70	20.57	20.59		
20	QPSK	100	0	20.69	20.62	20.72	20.59	20.59		
20	16QAM	1	0	20.61	20.66	20.66	20.59	20.60	22.2	0
20	16QAM	1	49	20.69	20.59	20.60	20.50	20.45		
20	16QAM	1	99	20.66	20.64	20.63	20.57	20.52		
20	16QAM	50	0	20.65	20.48	20.68	20.51	20.61	22.2	0
20	16QAM	50	24	20.66	20.53	20.69	20.56	20.47		
20	16QAM	50	50	20.66	20.53	20.67	20.45	20.49		
20	16QAM	100	0	20.58	20.52	20.65	20.46	20.52		
20	64QAM	1	0	20.71	20.69	20.71	20.60	20.65	22.2	0
20	64QAM	1	49	20.61	20.57	20.62	20.47	20.43		
20	64QAM	1	99	20.62	20.58	20.63	20.59	20.53		
20	64QAM	50	0	20.26	20.24	20.33	20.23	20.14	21.7	0.5
20	64QAM	50	24	20.20	20.08	20.17	20.06	20.02		
20	64QAM	50	50	20.23	20.16	20.27	20.15	20.08		
20	64QAM	100	0	20.24	20.17	20.28	20.11	20.16		
20	256QAM	1	0	18.31	18.23	18.34	18.21	18.17	19.7	2.5
20	256QAM	1	49	18.19	18.15	18.13	18.07	18.13		
20	256QAM	1	99	18.16	18.19	18.27	18.22	18.12		
20	256QAM	50	0	18.16	18.06	18.26	18.12	18.16	19.7	2.5
20	256QAM	50	24	18.19	18.18	18.18	18.16	18.10		
20	256QAM	50	50	18.25	18.05	18.25	18.10	18.08		
20	256QAM	100	0	18.15	18.16	18.28	18.13	18.11		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.62	20.59	20.69	20.58	20.58	22	0
15	QPSK	1	37	20.61	20.51	20.63	20.46	20.50		
15	QPSK	1	74	20.61	20.60	20.65	20.52	20.50		
15	QPSK	36	0	20.57	20.54	20.70	20.48	20.58	22.2	0
15	QPSK	36	20	20.68	20.58	20.70	20.57	20.50		
15	QPSK	36	39	20.67	20.53	20.59	20.52	20.46		
15	QPSK	75	0	20.58	20.60	20.64	20.51	20.48		
15	16QAM	1	0	20.57	20.57	20.58	20.54	20.50	22.2	0
15	16QAM	1	37	20.58	20.55	20.54	20.46	20.41		
15	16QAM	1	74	20.54	20.60	20.50	20.54	20.49		
15	16QAM	36	0	20.59	20.40	20.59	20.39	20.56	22.2	0
15	16QAM	36	20	20.55	20.44	20.66	20.53	20.40		
15	16QAM	36	39	20.53	20.43	20.64	20.33	20.41		
15	16QAM	75	0	20.47	20.49	20.58	20.43	20.38		
15	64QAM	1	0	20.63	20.56	20.61	20.53	20.53	22.2	0
15	64QAM	1	37	20.49	20.53	20.57	20.33	20.36		
15	64QAM	1	74	20.58	20.52	20.54	20.49	20.41		
15	64QAM	36	0	20.21	20.21	20.22	20.15	20.08	21.7	0.5
15	64QAM	36	20	20.18	20.00	20.12	20.02	19.99		
15	64QAM	36	39	20.17	20.09	20.21	20.10	20.01		
15	64QAM	75	0	20.15	20.09	20.14	20.01	20.12		
15	256QAM	1	0	18.22	18.13	18.29	18.17	18.13	19.7	2.5
15	256QAM	1	37	18.05	18.11	18.00	18.03	18.06		
15	256QAM	1	74	18.03	18.17	18.15	18.20	18.07		
15	256QAM	36	0	18.10	17.98	18.13	18.09	18.07	19.7	2.5
15	256QAM	36	20	18.07	18.05	18.14	18.03	18.00		
15	256QAM	36	39	18.22	17.97	18.11	17.96	17.98		
15	256QAM	75	0	18.12	18.05	18.22	18.06	18.07		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.61	20.70	20.76	20.67	20.61	22	0
10	QPSK	1	25	20.58	20.56	20.63	20.55	20.44		
10	QPSK	1	49	20.54	20.57	20.65	20.53	20.44		
10	QPSK	25	0	20.68	20.47	20.63	20.54	20.59	22.2	0
10	QPSK	25	12	20.62	20.48	20.61	20.57	20.53		
10	QPSK	25	25	20.60	20.55	20.63	20.46	20.54		
10	QPSK	50	0	20.60	20.59	20.69	20.54	20.51	22.2	0
10	16QAM	1	0	20.55	20.63	20.54	20.51	20.55		
10	16QAM	1	25	20.55	20.52	20.53	20.48	20.42		
10	16QAM	1	49	20.62	20.52	20.50	20.44	20.49		
10	16QAM	25	0	20.54	20.45	20.65	20.47	20.49	22.2	0
10	16QAM	25	12	20.63	20.41	20.64	20.47	20.35		
10	16QAM	25	25	20.58	20.47	20.58	20.36	20.43		
10	16QAM	50	0	20.55	20.46	20.55	20.34	20.40		
10	64QAM	1	0	20.64	20.60	20.66	20.48	20.63	22.2	0
10	64QAM	1	25	20.58	20.45	20.55	20.44	20.39		
10	64QAM	1	49	20.49	20.46	20.52	20.52	20.42		
10	64QAM	25	0	20.16	20.20	20.20	20.14	20.08	21.7	0.5
10	64QAM	25	12	20.12	19.99	20.04	19.98	19.96		
10	64QAM	25	25	20.11	20.08	20.19	20.01	20.04		
10	64QAM	50	0	20.16	20.07	20.16	20.03	20.05		
10	256QAM	1	0	18.27	18.11	18.22	18.12	18.08	19.7	2.5
10	256QAM	1	25	18.06	18.05	18.03	18.03	18.10		
10	256QAM	1	49	18.10	18.13	18.15	18.13	17.99		
10	256QAM	25	0	18.05	17.95	18.24	18.10	18.06	19.7	2.5
10	256QAM	25	12	18.08	18.11	18.15	18.05	17.98		
10	256QAM	25	25	18.17	17.92	18.13	18.07	17.95		
10	256QAM	50	0	18.01	18.12	18.19	18.06	18.06		
Channel				39675	40140	40620	41093	41565	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.66	20.60	20.69	20.58	20.65	22	0
5	QPSK	1	12	20.66	20.51	20.54	20.49	20.44		
5	QPSK	1	24	20.60	20.66	20.74	20.53	20.46		
5	QPSK	12	0	20.65	20.48	20.66	20.53	20.55	22.2	0
5	QPSK	12	7	20.64	20.59	20.70	20.51	20.44		
5	QPSK	12	13	20.59	20.54	20.59	20.55	20.56		
5	QPSK	25	0	20.62	20.56	20.60	20.49	20.47		
5	16QAM	1	0	20.55	20.58	20.53	20.50	20.47	22.2	0
5	16QAM	1	12	20.65	20.51	20.48	20.39	20.33		
5	16QAM	1	24	20.53	20.62	20.54	20.53	20.40		
5	16QAM	12	0	20.56	20.34	20.55	20.40	20.48	22.2	0
5	16QAM	12	7	20.61	20.45	20.59	20.52	20.40		
5	16QAM	12	13	20.63	20.50	20.61	20.40	20.41		
5	16QAM	25	0	20.54	20.48	20.63	20.38	20.49		
5	64QAM	1	0	20.67	20.64	20.58	20.47	20.57	22.2	0
5	64QAM	1	12	20.58	20.47	20.55	20.41	20.36		
5	64QAM	1	24	20.55	20.52	20.56	20.50	20.42		
5	64QAM	12	0	20.19	20.10	20.23	20.14	20.03	21.7	0.5
5	64QAM	12	7	20.06	19.98	20.06	19.95	20.00		
5	64QAM	12	13	20.21	20.12	20.16	20.01	19.94		
5	64QAM	25	0	20.20	20.07	20.21	20.05	20.13		
5	256QAM	1	0	18.28	18.21	18.23	18.12	18.06	19.7	2.5
5	256QAM	1	12	18.06	18.10	18.04	18.00	18.06		
5	256QAM	1	24	18.03	18.06	18.14	18.20	17.99		
5	256QAM	12	0	18.04	17.94	18.21	18.02	18.07	19.7	2.5
5	256QAM	12	7	18.17	18.06	18.05	18.11	18.06		
5	256QAM	12	13	18.22	17.94	18.15	17.98	18.01		
5	256QAM	25	0	18.08	18.03	18.24	18.09	18.08		

Band 42 Ant4 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	21.18	21.20	21.16	22.2	0
20	QPSK	1	49	21.10	21.06	21.04		
20	QPSK	1	99	21.10	21.07	21.12		
20	QPSK	50	0	21.15	21.17	21.05	22.2	0
20	QPSK	50	24	21.07	21.12	21.05		
20	QPSK	50	50	21.04	21.14	21.03		
20	QPSK	100	0	21.08	21.14	21.12		
20	16QAM	1	0	21.11	21.14	21.06	22.2	0
20	16QAM	1	49	21.07	21.03	20.94		
20	16QAM	1	99	21.04	20.97	21.05		
20	16QAM	50	0	21.08	21.13	20.99	22.2	0
20	16QAM	50	24	20.96	21.04	20.94		
20	16QAM	50	50	20.98	21.06	20.94		
20	16QAM	100	0	20.95	21.01	21.03		
20	64QAM	1	0	21.12	21.10	21.09	22.2	0
20	64QAM	1	49	21.05	20.97	20.90		
20	64QAM	1	99	20.96	20.99	21.06		
20	64QAM	50	0	21.07	21.11	20.93	22.2	0
20	64QAM	50	24	20.96	21.01	21.00		
20	64QAM	50	50	21.00	21.09	20.92		
20	64QAM	100	0	21.01	21.06	21.05		
20	256QAM	1	0	19.23	19.16	19.16	20.2	2
20	256QAM	1	49	19.06	19.03	19.03		
20	256QAM	1	99	19.13	19.12	19.14		
20	256QAM	50	0	19.15	19.14	19.06	20.2	2
20	256QAM	50	24	19.10	19.14	19.06		
20	256QAM	50	50	19.01	19.19	19.04		
20	256QAM	100	0	19.14	19.14	19.12		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	21.08	21.18	21.07	22.2	0
15	QPSK	1	37	20.96	20.94	20.93		
15	QPSK	1	74	20.96	21.00	20.99		
15	QPSK	36	0	21.08	21.07	20.97	22.2	0
15	QPSK	36	20	20.93	21.08	20.93		
15	QPSK	36	39	20.94	21.06	20.89		
15	QPSK	75	0	20.97	21.07	20.99	22.2	0
15	16QAM	1	0	20.97	21.12	20.93		
15	16QAM	1	37	21.02	20.91	20.88		
15	16QAM	1	74	21.02	20.92	20.95		
15	16QAM	36	0	20.94	21.08	20.94	22.2	0
15	16QAM	36	20	20.84	21.00	20.84		
15	16QAM	36	39	20.91	20.96	20.86		
15	16QAM	75	0	20.90	20.98	20.94	22.2	0
15	64QAM	1	0	21.00	21.02	21.03		
15	64QAM	1	37	21.02	20.90	20.78		
15	64QAM	1	74	20.87	20.87	20.96	22.2	0
15	64QAM	36	0	21.02	21.01	20.87		
15	64QAM	36	20	20.86	20.98	20.87		
15	64QAM	36	39	20.88	21.07	20.84		
15	64QAM	75	0	20.91	20.97	20.96	20.2	2
15	256QAM	1	0	19.18	19.07	19.06		
15	256QAM	1	37	19.02	18.97	18.89		
15	256QAM	1	74	19.01	19.01	19.12		
15	256QAM	36	0	19.03	19.07	18.95	20.2	2
15	256QAM	36	20	18.96	19.10	18.96		
15	256QAM	36	39	18.90	19.10	18.91		
15	256QAM	75	0	19.01	19.03	19.02		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	21.13	21.10	21.07	22.2	0
10	QPSK	1	25	21.02	20.98	20.97		
10	QPSK	1	49	21.02	20.98	21.04		
10	QPSK	25	0	21.01	21.13	21.01	22.2	0
10	QPSK	25	12	20.96	21.07	20.94		
10	QPSK	25	25	20.97	21.02	20.97		
10	QPSK	50	0	21.05	21.07	21.00	22.2	0
10	16QAM	1	0	21.03	21.10	20.98		
10	16QAM	1	25	20.94	20.90	20.90		
10	16QAM	1	49	20.94	20.84	21.01		
10	16QAM	25	0	21.00	21.02	20.96	22.2	0
10	16QAM	25	12	20.93	20.99	20.80		
10	16QAM	25	25	20.90	20.92	20.88		
10	16QAM	50	0	20.84	20.94	20.94	22.2	0
10	64QAM	1	0	21.01	21.07	20.98		
10	64QAM	1	25	20.97	20.93	20.86		
10	64QAM	1	49	20.84	20.86	21.01	22.2	0
10	64QAM	25	0	20.97	21.08	20.85		
10	64QAM	25	12	20.90	20.94	20.89		
10	64QAM	25	25	20.95	21.02	20.82		
10	64QAM	50	0	20.93	21.01	20.99	22.2	0
10	256QAM	1	0	19.18	19.12	19.12		
10	256QAM	1	25	19.03	18.94	19.01	20.2	2
10	256QAM	1	49	19.10	18.99	19.06		
10	256QAM	25	0	19.01	19.07	18.98	20.2	2
10	256QAM	25	12	18.98	19.08	19.04		
10	256QAM	25	25	18.92	19.10	18.97		
10	256QAM	50	0	19.03	19.00	19.02		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	21.06	21.15	21.06	22.2	0
5	QPSK	1	12	20.96	20.96	20.96		
5	QPSK	1	24	21.01	20.95	21.07		
5	QPSK	12	0	21.05	21.09	21.00	22.2	0
5	QPSK	12	7	20.99	21.01	20.97		
5	QPSK	12	13	20.94	21.12

		WCDMA II Ant6 DSI3				WCDMA IV Ant6 DSI3			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.47	21.61	21.54	22.80	20.84	20.91	20.84	22.40
3GPP Rel 99	RMC 12.2Kbps	21.64	21.67	21.52	22.80	20.93	21.07	20.96	22.40
3GPP Rel 6	HSDPA Subtest-1	20.78	20.55	20.57	21.80	20.03	19.97	20.02	21.40
3GPP Rel 6	HSDPA Subtest-2	20.65	20.63	20.55	21.80	19.91	20.04	19.95	21.40
3GPP Rel 6	HSDPA Subtest-3	20.03	20.20	20.06	21.30	19.49	19.46	19.43	20.90
3GPP Rel 6	HSDPA Subtest-4	20.02	20.21	20.04	21.30	19.41	19.54	19.38	20.90
3GPP Rel 8	DC-HSDPA Subtest-1	20.74	20.68	20.53	21.80	19.97	19.99	19.92	21.40
3GPP Rel 8	DC-HSDPA Subtest-2	20.66	20.63	20.59	21.80	20.01	20.01	19.97	21.40
3GPP Rel 8	DC-HSDPA Subtest-3	20.04	20.19	20.15	21.30	19.33	19.50	19.49	20.90
3GPP Rel 8	DC-HSDPA Subtest-4	20.13	20.09	19.98	21.30	19.43	19.48	19.33	20.90
3GPP Rel 6	HSUPA Subtest-1	20.66	20.51	20.53	21.80	20.01	19.91	19.93	21.40
3GPP Rel 6	HSUPA Subtest-2	18.69	18.63	18.59	19.80	18.02	18.05	17.92	19.40
3GPP Rel 6	HSUPA Subtest-3	19.64	19.52	19.58	20.80	18.98	18.95	18.82	20.40
3GPP Rel 6	HSUPA Subtest-4	18.62	18.72	18.63	19.80	17.99	18.03	17.93	19.40
3GPP Rel 6	HSUPA Subtest-5	20.61	20.59	20.52	21.80	19.90	19.96	19.83	21.40
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.16	18.23	18.11	19.30	17.50	17.56	17.39	18.90

Band 2 Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	20.81	20.86	20.83		
20	QPSK	1	49	20.74	20.73	20.80	22.3	0
20	QPSK	1	99	20.77	20.85	20.72		
20	QPSK	50	0	20.79	20.83	20.74		
20	QPSK	50	24	20.71	20.81	20.79	22.3	0
20	QPSK	50	50	20.75	20.81	20.77		
20	QPSK	100	0	20.76	20.82	20.73		
20	16QAM	1	0	20.75	20.75	20.81		
20	16QAM	1	49	20.71	20.66	20.69	22.3	0
20	16QAM	1	99	20.71	20.75	20.68		
20	16QAM	50	0	20.34	20.40	20.36		
20	16QAM	50	24	20.21	20.21	20.36	21.8	0.5
20	16QAM	50	50	20.28	20.40	20.17		
20	16QAM	100	0	20.35	20.34	20.28		
20	64QAM	1	0	20.15	20.31	20.34		
20	64QAM	1	49	20.31	20.27	20.30	21.8	0.5
20	64QAM	1	99	20.29	20.36	20.20		
20	64QAM	50	0	19.36	19.31	19.36		
20	64QAM	50	24	19.29	19.20	19.25	20.8	1.5
20	64QAM	50	50	19.25	19.32	19.20		
20	64QAM	100	0	19.33	19.33	19.29		
20	256QAM	1	0	17.26	17.34	17.30		
20	256QAM	1	49	17.24	17.21	17.33	18.8	3.5
20	256QAM	1	99	17.28	17.29	17.17		
20	256QAM	50	0	17.24	17.32	17.25		
20	256QAM	50	24	17.24	17.35	17.30	18.8	3.5
20	256QAM	50	50	17.25	17.36	17.31		
20	256QAM	100	0	17.23	17.30	17.19		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	20.72	20.76	20.77		
15	QPSK	1	37	20.63	20.67	20.71	22.3	0
15	QPSK	1	74	20.69	20.81	20.64		
15	QPSK	36	0	20.76	20.80	20.70		
15	QPSK	36	20	20.67	20.71	20.69	22.3	0
15	QPSK	36	39	20.63	20.69	20.68		
15	QPSK	75	0	20.70	20.69	20.65		
15	16QAM	1	0	20.73	20.68	20.70		
15	16QAM	1	37	20.66	20.52	20.64	22.3	0
15	16QAM	1	74	20.63	20.64	20.55		
15	16QAM	36	0	20.24	20.38	20.26		
15	16QAM	36	20	20.15	20.11	20.30	21.8	0.5
15	16QAM	36	39	20.15	20.38	20.11		
15	16QAM	75	0	20.32	20.27	20.19		
15	64QAM	1	0	20.12	20.23	20.28		
15	64QAM	1	37	20.24	20.22	20.20	21.8	0.5
15	64QAM	1	74	20.27	20.31	20.17		
15	64QAM	36	0	19.30	19.20	19.34		
15	64QAM	36	20	19.19	19.07	19.23	20.8	1.5
15	64QAM	36	39	19.19	19.23	19.06		
15	64QAM	75	0	19.27	19.29	19.25		
15	256QAM	1	0	17.17	17.21	17.25		
15	256QAM	1	37	17.16	17.21	17.33	18.8	3.5
15	256QAM	1	74	17.23	17.26	17.09		
15	256QAM	36	0	17.17	17.27	17.13		
15	256QAM	36	20	17.15	17.33	17.20	18.8	3.5
15	256QAM	36	39	17.15	17.25	17.25		
15	256QAM	75	0	17.13	17.19	17.16		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	20.76	20.81	20.73		
10	QPSK	1	25	20.60	20.67	20.69	22.3	0
10	QPSK	1	49	20.65	20.77	20.65		
10	QPSK	25	0	20.74	20.75	20.66		
10	QPSK	25	12	20.67	20.71	20.71	22.3	0
10	QPSK	25	25	20.69	20.69	20.67		
10	QPSK	50	0	20.68	20.73	20.67		
10	16QAM	1	0	20.71	20.72	20.67		
10	16QAM	1	25	20.60	20.53	20.60	22.3	0
10	16QAM	1	49	20.67	20.67	20.62		
10	16QAM	25	0	20.26	20.29	20.30		
10	16QAM	25	12	20.14	20.17	20.23	21.8	0.5
10	16QAM	25	25	20.19	20.31	20.10		
10	16QAM	50	0	20.27	20.32	20.19		
10	64QAM	1	0	20.01	20.27	20.23		
10	64QAM	1	25	20.18	20.25	20.23	21.8	0.5
10	64QAM	1	49	20.22	20.31	20.12		
10	64QAM	25	0	19.25	19.20	19.27		
10	64QAM	25	12	19.20	19.12	19.21	20.8	1.5
10	64QAM	25	25	19.12	19.27	19.17		
10	64QAM	50	0	19.27	19.26	19.17		
10	64QAM	50	25	17.18	17.21	17.20		
10	256QAM	1	25	17.22	17.13	17.26	18.8	3.5
10	256QAM	1	49	17.18	17.26	17.04		
10	256QAM	25	0	17.20	17.29	17.12		
10	256QAM	25	12	17.22	17.27	17.18	18.8	3.5
10	256QAM	25	25	17.17	17.28	17.25		
10	256QAM	50	0	17.18	17.16	17.12		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	20.73	20.75	20.70		
5	QPSK	1	12	20.68	20.62	20.75	22.3	0
5	QPSK	1	24	20.69	20.73	20.63		
5	QPSK	12	0	20.74	20.74	20.69		
5	QPSK	12	7	20.68	20.77	20.77	22.3	0
5	QPSK	12	13	20.69	20.71	20.74		
5	QPSK	25	0	20.67	20.75	20.62		
5	16QAM	1	0	20.72	20.67	20.75		
5	16QAM	1	12	20.57	20.64	20.62	22.3	0
5	16QAM	1	24	20.61	20.71	20.63		
5	16QAM	12	0	20.30	20.38	20.31		
5	16QAM	12	7	20.08	20.11	20.29	21.8	0.5
5	16QAM	12	13	20.18	20.34	20.11		
5	16QAM	25	0	20.28	20.24	20.18		
5	64QAM	1	0	20.05	20.17	20.22		
5	64QAM	1	12	20.22	20.18	20.25	21.8	0.5
5	64QAM	1	24	20.17	20.25	20.07		
5	64QAM	12	0	19.27	19.24	19.27		
5	64QAM	12	7	19.16	19.10	19.21	20.8	1.5
5	64QAM	12	13	19.14	19.30	19.08		
5	64QAM	25	0	19.29	19.25	19.16		
5	256QAM	1	0	17.16	17.26	17.23		
5	256QAM	1	12	17.18	17.12	17.28	18.8	3.5
5	256QAM	1	24	17.21	17.24	17.11		
5	256QAM	12	0	17.17	17.21	17.18		
5	256QAM	12	7	17.20	17.21	17.27	18.8	3.5
5	256QAM	12	13	17.14	17.33	17.26		
5	256QAM	25	0	17.18	17.23	17.16		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	20.68	20.80	20.73		
3	QPSK	1	8	20.67	20.70	20.74	22.3	0
3	QPSK	1	14	20.63	20.82	20.66		
3	QPSK	8	0	20.69	20.77	20.69		
3	QPSK	8	4	20.59	20.70	20.67	22.3	0
3	QPSK	8	7	20.67	20.70	20.65		
3	QPSK	15	0	20.74	20.75	20.65		
3	16QAM	1	0	20.67	20.72	20.69		
3	16QAM	1	8	20.57	20.53	20.65	22.3	0
3	16QAM	1	14	20.59	20.66	20.56		
3	16QAM	8	0	20.24	20.31	20.29		
3	16QAM	8	4	20.10	20.12	20.26	21.8	0.5
3	16QAM	8	7	20.17	20.35	20.08		
3	16QAM	15	0	20.22	20.21	20.25		
3	64QAM	1	0	20.07	20.20	20.27		
3	64QAM	1	8	20.26	20.20	20.16	21.8	0.5
3	64QAM	1	14	20.23	20.34	20.13		
3	64QAM	8	0	19.32	19.17	19.32		
3	64QAM	8	4	19.26	19.11	19.13	20.8	1.5
3	64QAM	8	7	19.19	19.26	19.06		
3	64QAM	15	0	19.20	19.20	19.19		
3	256QAM	1	0	17.24	17.26	17.17		
3	256QAM	1	8	17.19	17.19	17.24	18.8	3.5
3	256QAM	1	14	17.22	17.27	17.06		
3	256QAM	8	0	17.17	17.22	17.21		
3	256QAM	8	4	17.14	17.30	17.17	18.8	3.5
3	256QAM	8	7	17.20	17.27	17.27		
3	256QAM	15	0	17.12	17.22	17.08		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.69	20.75	20.70		
1.4	QPSK	1	3	20.70	20.59	20.70		
1.4	QPSK	1	5	20.64	20.80	20.67	22.3	0
1.4	QPSK	3	0	20.67	20.69	20.65		
1.4	QPSK	3	1	20.58	20.75	20.74		
1.4	QPSK	3	3	20.66	20.69	20.67		
1.4	QPSK	6	0	20.65	20.71	20.61	22.3	0
1.4	16QAM	1	0	20.67	20.70	20.68		
1.4	16QAM	1	3	20.67	20.56	20.58		
1.4	16QAM	1	5	20.57	20.69	20.63	22.3	0
1.4	16QAM	3	0	20.53	20.68	20.64		
1.4	16QAM	3	1	20.55	20.46	20.50		
1.4	16QAM	3	3	20.44	20.58	20.51		
1.4	16QAM	6	0	20.21	20.27	20.18	21.8	0.5
1.4	64QAM	1	0	20.02	20.20	20.26		
1.4	64QAM	1	3	20.22	20.13	20.25		
1.4	64QAM	1	5	20.22	20.30	20.09	21.8	0.5
1.4	64QAM	3	0	20.18	20.23	20.13		
1.4	64QAM	3	1	19.89	20.18	20.14		
1.4	64QAM	3	3	20.19	19.99	20.20		
1.4	64QAM	6	0	19.23	19.26	19.20	20.8	1.5
1.4	256QAM	1	0	17.21	17.22	17.19		
1.4	256QAM	1	3	17.13	17.09	17.28		
1.4	256QAM	1	5	17.20	17.22	17.07	18.8	3.5
1.4	256QAM	3	0	17.10	17.20	17.15		
1.4	256QAM	3	1	17.19	17.29	17.20		
1.4	256QAM	3	3	17.19	17.23	17.28		
1.4	256QAM	6	0	17.14	17.23	17.15	18.8	3.5

Band 4 Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	18.03	18.08	18.05		
20	QPSK	1	49	17.89	17.97	17.97	19.4	0
20	QPSK	1	99	18.00	18.04	18.00		
20	QPSK	50	0	17.94	18.03	18.00		
20	QPSK	50	24	17.97	17.99	17.95	19.4	0
20	QPSK	50	50	18.00	18.01	17.98		
20	QPSK	100	0	17.94	18.01	18.00		
20	16QAM	1	0	17.89	17.96	18.03		
20	16QAM	1	49	17.76	17.84	17.85	19.4	0
20	16QAM	1	99	17.95	17.92	17.96		
20	16QAM	50	0	17.83	17.90	17.91		
20	16QAM	50	24	17.83	17.87	17.90	19.4	0
20	16QAM	50	50	17.96	17.94	17.96		
20	16QAM	100	0	17.82	17.90	17.98		
20	64QAM	1	0	17.93	17.99	17.93		
20	64QAM	1	49	17.85	17.83	17.93	19.4	0
20	64QAM	1	99	17.92	18.01	17.93		
20	64QAM	50	0	17.81	17.96	17.98		
20	64QAM	50	24	17.85	17.97	17.82	19.4	0
20	64QAM	50	50	17.88	17.94	17.90		
20	64QAM	100	0	17.81	17.98	17.88		
20	256QAM	1	0	17.49	17.54	17.55		
20	256QAM	1	49	17.36	17.51	17.44	18.9	0.5
20	256QAM	1	99	17.45	17.49	17.52		
20	256QAM	50	0	17.42	17.55	17.45		
20	256QAM	50	24	17.51	17.54	17.41	18.9	0.5
20	256QAM	50	50	17.53	17.51	17.47		
20	256QAM	100	0	17.46	17.57	17.49		
Channel				20025	20175		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	18.01	18.06	17.93		
15	QPSK	1	37	17.87	17.95	17.94	19.4	0
15	QPSK	1	74	17.92	17.95	17.90		
15	QPSK	36	0	17.84	18.01	17.96		
15	QPSK	36	20	17.85	17.88	17.83	19.4	0
15	QPSK	36	39	17.96	17.98	17.95		
15	QPSK	75	0	17.84	17.93	17.92		
15	16QAM	1	0	17.84	17.94	17.99		
15	16QAM	1	37	17.65	17.72	17.83	19.4	0
15	16QAM	1	74	17.92	17.79	17.88		
15	16QAM	36	0	17.80	17.86	17.90		
15	16QAM	36	20	17.74	17.81	17.83	19.4	0
15	16QAM	36	39	17.89	17.88	17.90		
15	16QAM	75	0	17.76	17.88	17.85		
15	64QAM	1	0	17.82	17.90	17.90		
15	64QAM	1	37	17.84	17.73	17.85	19.4	0
15	64QAM	1	74	17.86	17.94	17.85		
15	64QAM	36	0	17.71	17.90	17.97		
15	64QAM	36	20	17.83	17.86	17.80	19.4	0
15	64QAM	36	39	17.78	17.88	17.81		
15	64QAM	75	0	17.69	17.93	17.80		
15	256QAM	1	0	17.43	17.53	17.48		
15	256QAM	1	37	17.30	17.38	17.33	18.9	0.5
15	256QAM	1	74	17.39	17.42	17.45		
15	256QAM	36	0	17.32	17.45	17.40		
15	256QAM	36	20	17.45	17.45	17.36	18.9	0.5
15	256QAM	36	39	17.48	17.49	17.40		
15	256QAM	75	0	17.43	17.49	17.39		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	17.97	17.99	18.00		
10	QPSK	1	25	17.77	17.87	17.91	19.4	0
10	QPSK	1	49	17.98	17.94	17.97		
10	QPSK	25	0	17.87	17.92	17.87		
10	QPSK	25	12	17.90	17.97	17.83	19.4	0
10	QPSK	25	25	17.95	17.93	17.86		
10	QPSK	50	0	17.92	17.93	17.89		
10	16QAM	1	0	17.83	17.89	17.97		
10	16QAM	1	25	17.66	17.74	17.76	19.4	0
10	16QAM	1	49	17.92	17.83	17.87		
10	16QAM	25	0	17.76	17.87	17.85		
10	16QAM	25	12	17.74	17.79	17.86	19.4	0
10	16QAM	25	25	17.94	17.89	17.87		
10	16QAM	50	0	17.80	17.78	17.90		
10	64QAM	1	0	17.88	17.95	17.89		
10	64QAM	1	25	17.83	17.71	17.85	19.4	0
10	64QAM	1	49	17.90	17.98	17.88		
10	64QAM	25	0	17.68	17.92	17.93		
10	64QAM	25	12	17.81	17.94	17.77	19.4	0
10	64QAM	25	25	17.84	17.84	17.85		
10	64QAM	50	0	17.75	17.95	17.78		
10	256QAM	1	0	17.42	17.48	17.46		
10	256QAM	1	25	17.32	17.46	17.35	18.9	0.5
10	256QAM	1	49	17.38	17.38	17.42		
10	256QAM	25	0	17.39	17.44	17.35		
10	256QAM	25	12	17.43	17.52	17.34	18.9	0.5
10	256QAM	25	25	17.43	17.47	17.45		
10	256QAM	50	0	17.34	17.50	17.42		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	17.99	17.98	18.02		
5	QPSK	1	12	17.78	17.85	17.94	19.4	0
5	QPSK	1	24	17.95	17.97	17.93		
5	QPSK	12	0	17.92	17.96	17.91		
5	QPSK	12	7	17.95	17.93	17.83	19.4	0
5	QPSK	12	13	17.89	17.96	17.97		
5	QPSK	25	0	17.90	17.90	17.90		
5	16QAM	1	0	17.82	17.87	17.98		
5	16QAM	1	12	17.73	17.72	17.78	19.4	0
5	16QAM	1	24	17.94	17.87	17.85		
5	16QAM	12	0	17.73	17.86	17.83		
5	16QAM	12	7	17.72	17.80	17.85	19.4	0
5	16QAM	12	13	17.95	17.87	17.93		
5	16QAM	25	0	17.73	17.83	17.96		
5	64QAM	1	0	17.87	17.87	17.81		
5	64QAM	1	12	17.73	17.74	17.89	19.4	0
5	64QAM	1	24	17.89	17.93	17.88		
5	64QAM	12	0	17.74	17.85	17.92		
5	64QAM	12	7	17.78	17.85	17.73	19.4	0
5	64QAM	12	13	17.78	17.91	17.79		
5	64QAM	25	0	17.77	17.90	17.81		
5	256QAM	1	0	17.46	17.50	17.54		
5	256QAM	1	12	17.33	17.48	17.33	18.9	0.5
5	256QAM	1	24	17.35	17.38	17.40		
5	256QAM	12	0	17.33	17.45	17.39		
5	256QAM	12	7	17.49	17.48	17.29	18.9	0.5
5	256QAM	12	13	17.49	17.48	17.34		
5	256QAM	25	0	17.40	17.52	17.46		
Channel				19950	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	17.93	18.03	18.03		
3	QPSK	1	8	17.88	17.86	17.90	19.4	0
3	QPSK	1	14	17.98	17.99	17.88		
3	QPSK	8	0	17.83	17.96	17.89		
3	QPSK	8	4	17.90	17.96	17.86	19.4	0
3	QPSK	8	7	17.95	17.95	17.95		
3	QPSK	15	0	17.87	17.96	17.98		
3	16QAM	1	0	17.83	17.92	17.92		
3	16QAM	1	8	17.71	17.81	17.75	19.4	0
3	16QAM	1	14	17.91	17.82	17.86		
3	16QAM	8	0	17.77	17.86	17.83		
3	16QAM	8	4	17.77	17.81	17.82	19.4	0
3	16QAM	8	7	17.83	17.92	17.92		
3	16QAM	15	0	17.75	17.83	17.89		
3	64QAM	1	0	17.84	17.89	17.88		
3	64QAM	1	8	17.80	17.75	17.86	19.4	0
3	64QAM	1	14	17.85	17.95	17.80		
3	64QAM	8	0	17.76	17.89	17.90		
3	64QAM	8	4	17.83	17.93	17.70	19.4	0
3	64QAM	8	7	17.80	17.89	17.80		
3	64QAM	15	0	17.80	17.88	17.77		
3	256QAM	1	0	17.39	17.50	17.45		
3	256QAM	1	8	17.25	17.43	17.41	18.9	0.5
3	256QAM	1	14	17.42	17.41	17.48		
3	256QAM	8	0	17.39	17.49	17.39		
3	256QAM	8	4	17.48	17.50	17.33	18.9	0.5
3	256QAM	8	7	17.44	17.45	17.44		
3	256QAM	15	0	17.34	17.56	17.38		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.01	18.05	17.93		
1.4	QPSK	1	3	17.84	17.95	17.95		
1.4	QPSK	1	5	17.89	18.02	17.97	19.4	0
1.4	QPSK	3	0	17.85	17.98	17.89		
1.4	QPSK	3	1	17.86	17.88	17.85		
1.4	QPSK	3	3	17.87	17.97	17.92		
1.4	QPSK	6	0	17.94	17.96	17.89	19.4	0
1.4	16QAM	1	0	17.88	17.91	17.95		
1.4	16QAM	1	3	17.65	17.82	17.75		
1.4	16QAM	1	5	17.94	17.85	17.84	19.4	0
1.4	16QAM	3	0	17.72	17.82	17.87		
1.4	16QAM	3	1	17.77	17.83	17.77		
1.4	16QAM	3	3	17.86	17.82	17.90		
1.4	16QAM	6	0	17.74	17.87	17.88	19.4	0
1.4	64QAM	1	0	17.90	17.86	17.86		
1.4	64QAM	1	3	17.81	17.81	17.89		
1.4	64QAM	1	5	17.89	17.96	17.88	19.4	0
1.4	64QAM	3	0	17.72	17.94	17.94		
1.4	64QAM	3	1	17.78	17.86	17.78		
1.4	64QAM	3	3	17.76	17.82	17.82		
1.4	64QAM	6	0	17.70	17.91	17.82	19.4	0
1.4	256QAM	1	0	17.41	17.41	17.49		
1.4	256QAM	1	3	17.25	17.44	17.38		
1.4	256QAM	1	5	17.41	17.43	17.46	18.9	0.5
1.4	256QAM	3	0	17.36	17.54	17.37		
1.4	256QAM	3	1	17.47	17.50	17.31		
1.4	256QAM	3	3	17.42	17.45	17.38		
1.4	256QAM	6	0	17.38	17.47	17.42	18.9	0.5

Band 7 Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.68	19.72	19.70		
20	QPSK	1	49	19.63	19.64	19.58	21	0
20	QPSK	1	99	19.59	19.65	19.66		
20	QPSK	50	0	19.65	19.70	19.66		
20	QPSK	50	24	19.60	19.66	19.64	21	0
20	QPSK	50	50	19.60	19.66	19.68		
20	QPSK	100	0	19.60

Band 25 Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	20.83	20.86	20.85	22.3	0
20	QPSK	1	49	20.81	20.79	20.72		
20	QPSK	1	99	20.74	20.75	20.78		
20	QPSK	50	0	20.74	20.83	20.74		
20	QPSK	50	24	20.72	20.80	20.73		
20	QPSK	50	50	20.70	20.80	20.80		
20	QPSK	100	0	20.71	20.82	20.77		
20	16QAM	1	0	20.80	20.77	20.81	22.3	0
20	16QAM	1	49	20.72	20.71	20.69		
20	16QAM	1	99	20.62	20.65	20.68		
20	16QAM	50	0	19.77	19.84	19.81	21.3	1
20	16QAM	50	24	19.86	19.84	19.72		
20	16QAM	50	50	19.73	19.74	19.80		
20	16QAM	100	0	19.71	19.82	19.71		
20	64QAM	1	0	19.67	19.74	19.79	21.3	1
20	64QAM	1	49	19.75	19.77	19.83		
20	64QAM	1	99	19.73	19.82	19.79		
20	64QAM	50	0	18.81	18.82	18.84	20.3	2
20	64QAM	50	24	18.76	18.85	18.70		
20	64QAM	50	50	18.73	18.75	18.73		
20	64QAM	100	0	18.72	18.79	18.76		
20	256QAM	1	0	16.83	16.86	16.89	18.3	4
20	256QAM	1	49	16.84	16.82	16.72		
20	256QAM	1	99	16.80	16.71	16.73		
20	256QAM	50	0	16.76	16.78	16.79	18.3	4
20	256QAM	50	24	16.78	16.76	16.78		
20	256QAM	50	50	16.73	16.80	16.82		
20	256QAM	100	0	16.75	16.82	16.77		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	20.79	20.79	20.72	22.3	0
15	QPSK	1	37	20.78	20.76	20.63		
15	QPSK	1	74	20.68	20.67	20.68		
15	QPSK	36	0	20.64	20.73	20.67	22.3	0
15	QPSK	36	20	20.63	20.72	20.70		
15	QPSK	36	39	20.56	20.77	20.76		
15	QPSK	75	0	20.60	20.77	20.73		
15	16QAM	1	0	20.67	20.67	20.73	22.3	0
15	16QAM	1	37	20.61	20.61	20.63		
15	16QAM	1	74	20.57	20.59	20.58		
15	16QAM	36	0	19.67	19.73	19.69	21.3	1
15	16QAM	36	20	19.80	19.72	19.65		
15	16QAM	36	39	19.61	19.71	19.67		
15	16QAM	75	0	19.64	19.70	19.68		
15	64QAM	1	0	19.65	19.60	19.68	21.3	1
15	64QAM	1	37	19.63	19.70	19.74		
15	64QAM	1	74	19.62	19.68	19.75		
15	64QAM	36	0	18.68	18.79	18.76	20.3	2
15	64QAM	36	20	18.70	18.73	18.66		
15	64QAM	36	39	18.66	18.69	18.68		
15	64QAM	75	0	18.64	18.67	18.67		
15	256QAM	1	0	16.77	16.75	16.84	18.3	4
15	256QAM	1	37	16.78	16.79	16.81		
15	256QAM	1	74	16.70	16.66	16.69		
15	256QAM	36	0	16.63	16.74	16.67	18.3	4
15	256QAM	36	20	16.76	16.67	16.64		
15	256QAM	36	39	16.66	16.68	16.70		
15	256QAM	75	0	16.63	16.79	16.75		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	20.73	20.78	20.77	22.3	0
10	QPSK	1	25	20.69	20.68	20.66		
10	QPSK	1	49	20.66	20.65	20.73		
10	QPSK	25	0	20.65	20.70	20.71	22.3	0
10	QPSK	25	12	20.67	20.71	20.63		
10	QPSK	25	25	20.62	20.67	20.71		
10	QPSK	50	0	20.62	20.74	20.63		
10	16QAM	1	0	20.71	20.64	20.68	22.3	0
10	16QAM	1	25	20.60	20.61	20.61		
10	16QAM	1	49	20.58	20.58	20.66		
10	16QAM	25	0	19.73	19.72	19.75	21.3	1
10	16QAM	25	12	19.80	19.77	19.65		
10	16QAM	25	25	19.64	19.63	19.67		
10	16QAM	50	0	19.65	19.78	19.68		
10	64QAM	1	0	19.60	19.70	19.76	21.3	1
10	64QAM	1	25	19.68	19.65	19.79		
10	64QAM	1	49	19.67	19.70	19.69		
10	64QAM	25	0	18.78	18.69	18.82	20.3	2
10	64QAM	25	12	18.68	18.81	18.65		
10	64QAM	25	25	18.68	18.66	18.66		
10	64QAM	50	0	18.69	18.69	18.68		
10	256QAM	1	0	16.76	16.77	16.80	18.3	4
10	256QAM	1	25	16.72	16.71	16.68		
10	256QAM	1	49	16.76	16.66	16.68		
10	256QAM	25	0	16.70	16.74	16.72	18.3	4
10	256QAM	25	12	16.76	16.73	16.71		
10	256QAM	25	25	16.66	16.73	16.69		
10	256QAM	50	0	16.66	16.74	16.67		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	20.79	20.84	20.83	22.3	0
5	QPSK	1	12	20.78	20.70	20.70		
5	QPSK	1	24	20.68	20.65	20.66		
5	QPSK	12	0	20.61	20.76	20.71	22.3	0
5	QPSK	12	7	20.65	20.73	20.63		
5	QPSK	12	13	20.61	20.78	20.75		
5	QPSK	25	0	20.58	20.70	20.64		
5	16QAM	1	0	20.78	20.72	20.76	22.3	0
5	16QAM	1	12	20.67	20.63	20.66		
5	16QAM	1	24	20.49	20.58	20.66		
5	16QAM	12	0	19.72	19.80	19.68	21.3	1
5	16QAM	12	7	19.82	19.72	19.69		
5	16QAM	12	13	19.61	19.72	19.75		
5	16QAM	25	0	19.57	19.68	19.69		
5	64QAM	1	0	19.58	19.60	19.71	21.3	1
5	64QAM	1	12	19.72	19.74	19.81		
5	64QAM	1	24	19.66	19.79	19.75		
5	64QAM	12	0	18.78	18.77	18.77	20.3	2
5	64QAM	12	7	18.63	18.82	18.65		
5	64QAM	12	13	18.68	18.67	18.62		
5	64QAM	25	0	18.68	18.68	18.69		
5	256QAM	1	0	16.76	16.77	16.79	18.3	4
5	256QAM	1	12	16.79	16.71	16.68		
5	256QAM	1	24	16.68	16.80	16.61		
5	256QAM	12	0	16.68	16.74	16.66	18.3	4
5	256QAM	12	7	16.73	16.62	16.74		
5	256QAM	12	13	16.59	16.75	16.75		
5	256QAM	25	0	16.72	16.75	16.74		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	20.81	20.80	20.76	22.3	0
3	QPSK	1	8	20.74	20.68	20.59		
3	QPSK	1	14	20.67	20.67	20.68		
3	QPSK	8	0	20.69	20.79	20.60	22.3	0
3	QPSK	8	4	20.60	20.74	20.61		
3	QPSK	8	7	20.62	20.72	20.67		
3	QPSK	15	0	20.66	20.69	20.74		
3	16QAM	1	0	20.78	20.66	20.75	22.3	0
3	16QAM	1	8	20.69	20.67	20.65		
3	16QAM	1	14	20.58	20.57	20.61		
3	16QAM	8	0	19.73	19.73	19.68	21.3	1
3	16QAM	8	4	19.78	19.79	19.68		
3	16QAM	8	7	19.63	19.64	19.71		
3	16QAM	15	0	19.64	19.76	19.57		
3	64QAM	1	0	19.62	19.63	19.67	21.3	1
3	64QAM	1	8	19.68	19.67	19.70		
3	64QAM	1	14	19.64	19.72	19.71		
3	64QAM	8	0	18.71	18.68	18.82	20.3	2
3	64QAM	8	4	18.67	18.82	18.60		
3	64QAM	8	7	18.60	18.65	18.65		
3	64QAM	15	0	18.65	18.65	18.66		
3	256QAM	1	0	16.75	16.73	16.87	18.3	4
3	256QAM	1	8	16.76	16.76	16.60		
3	256QAM	1	14	16.69	16.65	16.65		
3	256QAM	8	0	16.69	16.64	16.71	18.3	4
3	256QAM	8	4	16.64	16.70	16.71		
3	256QAM	8	7	16.69	16.71	16.74		
3	256QAM	15	0	16.70	16.76	16.65		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	20.78	20.81	20.76	22.3	0
1.4	QPSK	1	3	20.72	20.67	20.63		
1.4	QPSK	1	5	20.63	20.65	20.70		
1.4	QPSK	3	0	20.70	20.81	20.64		
1.4	QPSK	3	1	20.63	20.76	20.62		
1.4	QPSK	3	3	20.58	20.69	20.70		
1.4	QPSK	6	0	20.59	20.79	20.69	22.3	0
1.4	16QAM	1	0	20.67	20.65	20.78	22.3	0
1.4	16QAM	1	3	20.59	20.59	20.63		
1.4	16QAM	1	5	20.54	20.52	20.55		
1.4	16QAM	3	0	20.63	20.60	20.66		
1.4	16QAM	3	1	20.54	20.51	20.61		
1.4	16QAM	3	3	20.42	20.43	20.51		
1.4	16QAM	6	0	19.64	19.71	19.63	21.3	1
1.4	64QAM	1	0	19.55	19.62	19.74	21.3	1
1.4	64QAM	1	3	19.64	19.63	19.77		
1.4	64QAM	1	5	19.66	19.76	19.65		
1.4	64QAM	3	0	19.52	19.61	19.55		
1.4	64QAM	3	1	19.47	19.52	19.60		
1.4	64QAM	3	3	19.58	19.59	19.63		
1.4	64QAM	6	0	18.58	18.70	18.69	20.3	2
1.4	256QAM	1	0	16.75	16.81	16.75	18.3	4
1.4	256QAM	1	3	16.77	16.70	16.62		
1.4	256QAM	1	5	16.67	16.58	16.60		
1.4	256QAM	3	0	16.65	16.69	16.67		
1.4	256QAM	3	1	16.74	16.70	16.75		
1.4	256QAM	3	3	16.62	16.74	16.80		
1.4	256QAM	6	0	16.65	16.77	16.67	18.3	4

Band 66 Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	18.09	18.12	18.10	19.6	0
20	QPSK	1	49	17.97	17.98	18.01		
20	QPSK	1	99	17.97	18.02	17.99		
20	QPSK	50	0	17.99	18.10	18.00		
20	QPSK	50	24	17.99	18.07	18.02		
20	QPSK	50	50	17.99	18.01	18.06		
20	QPSK	100	0	18.03	18.08	18.00		
20	16QAM	1	0	18.06	17.99	17.98	19.6	0
20	16QAM	1	49	17.88	17.92	17.92		
20	16QAM	1	99	17.83	17.93	17.93		
20	16QAM	50	0	17.93	17.97	17.93	19.6	0
20	16QAM	50	24	17.98	18.04	17.89		
20	16QAM	50	50	17.92	17.98	18.02		
20	16QAM	100	0	17.96	18.00	17.96		
20	64QAM	1	0	18.04	18.04	18.07	19.6	0
20	64QAM	1	49	17.91	17.86	17.91		
20	64QAM	1	99	17.93	17.89	17.94		
20	64QAM	50	0	17.87	17.99	17.89	19.6	0
20	64QAM	50	24	17.91	17.98	17.95		
20	64QAM	50	50	17.87	17.95	17.97		
20	64QAM	100	0	17.93	17.95	17.90		
20	256QAM	1	0	17.57	17.57	17.62	19.1	0.5
20	256QAM	1	49	17.47	17.51	17.54		
20	256QAM	1	99	17.48	17.52	17.50		
20	256QAM	50	0	17.46	17.58	17.48	19.1	0.5
20	256QAM	50	24	17.49	17.54	17.57		
20	256QAM	50	50	17.47	17.49	17.53		
20	256QAM	100	0	17.51	17.58	17.54		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.06	18.06	18.08	19.6	0
15	QPSK	1	37	17.86	17.89	17.91		
15	QPSK	1	74	17.93	17.92	17.87		
15	QPSK	36	0	17.93	18.01	17.86	19.6	0
15	QPSK	36	20	17.89	18.00	17.94		
15	QPSK	36	39	17.87	17.96	17.93		
15	QPSK	75	0	17.94	17.94	17.97		
15	16QAM	1	0	17.93	17.87	17.88	19.6	0
15	16QAM	1	37	17.75	17.79	17.83		
15	16QAM	1	74	17.75	17.86	17.88		
15	16QAM	36	0	17.89	17.88	17.89	19.6	0
15	16QAM	36	20	17.77	18.00	17.85		
15	16QAM	36	39	17.88	17.92	17.99		
15	16QAM	75	0	17.92	17.92	17.89		
15	64QAM	1	0	18.01	18.02	17.98	19.6	0
15	64QAM	1	37	17.78	17.82	17.78		
15	64QAM	1	74	17.83	17.82	17.82		
15	64QAM	36	0	17.76	17.90	17.76	19.6	0
15	64QAM	36	20	17.87	17.96	17.82		
15	64QAM	36	39	17.85	17.92	17.92		
15	64QAM	75	0	17.79	17.91	17.84		
15	256QAM	1	0	17.49	17.44	17.58	19.1	0.5
15	256QAM	1	37	17.37	17.46	17.49		
15	256QAM	1	74	17.42	17.44	17.47		
15	256QAM	36	0	17.35	17.45	17.39	19.1	0.5
15	256QAM	36	20	17.46	17.44	17.54		
15	256QAM	36	39	17.36	17.42	17.43		
15	256QAM	75	0	17.42	17.46	17.46		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.04	18.04	18.01	19.6	0
10	QPSK	1	25	17.88	17.86	17.88		
10	QPSK	1	49	17.88	17.90	17.85		
10	QPSK	25	0	17.87	18.05	17.95	19.6	0
10	QPSK	25	12	17.95	17.97	17.97		
10	QPSK	25	25	17.91	17.89	17.95		
10	QPSK	50	0	17.90	18.04	17.90		
10	16QAM	1	0	18.02	17.85	17.89	19.6	0
10	16QAM	1	25	17.80	17.84	17.89		
10	16QAM	1	49	17.69	17.85	17.87		
10	16QAM	25	0	17.88	17.95	17.80	19.6	0
10	16QAM	25	12	17.76	17.95	17.83		
10	16QAM	25	25	17.78	17.85	17.90		
10	16QAM	50	0	17.85	17.91	17.82		
10	64QAM	1	0	17.97	17.98	17.94	19.6	0
10	64QAM	1	25	17.85	17.80	17.79		
10	64QAM	1	49	17.79	17.79	17.82		
10	64QAM	25	0	17.74	17.86	17.76	19.6	0
10	64QAM	25	12	17.77	17.95	17.89		
10	64QAM	25	25	17.75	17.88	17.93		
10	64QAM	50	0	17.83	17.92	17.79	19.1	0.5
10	256QAM	1	0	17.47	17.45	17.48		
10	256QAM	1	25	17.35	17.44	17.48		
10	256QAM	1	49	17.45	17.47	17.48		
10	256QAM	25	0	17.35	17.55	17.45	19.1	0.5
10	256QAM	25	12	17.44	17.42	17.54		
10	256QAM	25	25	17.36	17.45	17.42		
10	256QAM	50	0	17.40	17.46	17.52		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	18.00	18.08	17.97	19.6	0
5	QPSK	1	12	17.88	17.90	17.94		
5	QPSK	1	24	17.85	18.00	17.86		
5	QPSK	12	0	17.92	18.06	17.87	19.6	0
5	QPSK	12	7	17.87	18.01	17.99		
5	QPSK	12	13	17.88	17.88	17.98		
5	QPSK	25	0	18.00	17.97	17.94		
5	16QAM	1	0	17.95	17.96	17.89	19.6	0
5	16QAM	1	12	17.80	17.87	17.85		
5	16QAM	1	24	17.77	17.81	17.83		
5	16QAM	12	0	17.88	17.83	17.85	19.6	0
5	16QAM	12	7	17.82	17.91	17.84		
5	16QAM	12	13	17.83	17.89	17.93		
5	16QAM	25	0	17.92	17.93	17.87		
5	64QAM	1	0	17.93	18.01	18.04	19.6	0
5	64QAM	1	12	17.86	17.75	17.78		
5	64QAM	1	24	17.88	17.86	17.84		
5	64QAM	12	0	17.84	17.97	17.79	19.6	0
5	64QAM	12	7	17.82	17.90	17.90		
5	64QAM	12	13	17.78	17.85	17.84		
5	64QAM	25	0	17.79	17.83	17.80		
5	256QAM	1	0	17.49	17.50	17.48	19.1	0.5
5	256QAM	1	12	17.37	17.47	17.46		
5	256QAM	1	24	17.39	17.47	17.43		
5	256QAM	12	0	17.32	17.46	17.43	19.1	0.5
5	256QAM	12	7	17.38	17.51	17.47		
5	256QAM	12	13	17.41	17.40	17.47		
5	256QAM	25	0	17.38	17.51	17.47		
Channel				131947	132322	132697	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	18.06	18.04	18.00	19.6	0
3	QPSK	1	8	17.84	17.86	17.93		
3	QPSK	1	14	17.88	17.98	17.93		
3	QPSK	8	0	17.88	18.01	17.88	19.6	0
3	QPSK	8	4	17.94	17.99	17.91		
3	QPSK	8	7	17.97	17.97	18.00		
3	QPSK	15	0	17.96	18.00	17.93		
3	16QAM	1	0	17.93	17.91	17.95	19.6	0
3	16QAM	1	8	17.77	17.87	17.79		
3	16QAM	1	14	17.70	17.91	17.83		
3	16QAM	8	0	17.85	17.90	17.81	19.6	0
3	16QAM	8	4	17.81	18.00	17.87		
3	16QAM	8	7	17.88	17.91	17.98		
3	16QAM	15	0	17.86	17.89	17.92		
3	64QAM	1	0	18.00	18.02	17.95	19.6	0
3	64QAM	1	8	17.80	17.74	17.79		
3	64QAM	1	14	17.81	17.84	17.87		
3	64QAM	8	0	17.83	17.93	17.87	19.6	0
3	64QAM	8	4	17.78	17.91	17.92		
3	64QAM	8	7	17.74	17.83	17.92		
3	64QAM	15	0	17.89	17.82	17.77		
3	256QAM	1	0	17.52	17.54	17.49	19.1	0.5
3	256QAM	1	8	17.35	17.40	17.43		
3	256QAM	1	14	17.36	17.41	17.39		
3	256QAM	8	0	17.38	17.47	17.37	19.1	0.5
3	256QAM	8	4	17.44	17.47	17.55		
3	256QAM	8	7	17.36	17.37	17.39		
3	256QAM	15	0	17.42	17.55	17.51		
Channel				131879	132322	132965	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	18.05	18.01	18.07	19.6	0
1.4	QPSK	1	3	17.90	17.89	17.95		
1.4	QPSK	1	5	17.95	17.90	17.90		
1.4	QPSK	3	0	17.91	17.99	17.93		
1.4	QPSK	3	1	17.93	18.01	17.89		
1.4	QPSK	3	3	17.97	17.90	17.97		
1.4	QPSK	6	0	17.92	18.00	17.97	19.6	0
1.4	16QAM	1	0	17.94	17.89	17.93	19.6	0
1.4	16QAM	1	3	17.77	17.80	17.90		
1.4	16QAM	1	5	17.70	17.90	17.91		
1.4	16QAM	3	0	17.80	17.91	17.81		
1.4	16QAM	3	1	17.78	17.93	17.84		
1.4	16QAM	3	3	17.89	17.94	18.00		
1.4	16QAM	6	0	17.91	17.97	17.83	19.6	0
1.4	64QAM	1	0	17.95	17.95	18.02	19.6	0
1.4	64QAM	1	3	17.79	17.75	17.89		
1.4	64QAM	1	5	17.83	17.81	17.81		
1.4	64QAM	3	0	17.84	17.93	17.80		
1.4	64QAM	3	1	17.79	17.92	17.91		
1.4	64QAM	3	3	17.74	17.93	17.90		
1.4	64QAM	6	0	17.85	17.86	17.79	19.6	0
1.4	256QAM	1	0	17.48	17.50	17.55	19.1	0.5
1.4	256QAM	1	3	17.35	17.39	17.48		
1.4	256QAM	1	5	17.37	17.45	17.37		
1.4	256QAM	3	0	17.38	17.54	17.45		
1.4	256QAM	3	1	17.39	17.40	17.48		
1.4	256QAM	3	3	17.36	17.39	17.50		
1.4	256QAM	6	0	17.45	17.47	17.52	19.1	0.5

Band 38 Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.45	21.48	21.43		
20	QPSK	1	49	21.43	21.41	21.38	23	0
20	QPSK	1	99	21.39	21.37	21.30		
20	QPSK	50	0	21.36	21.44	21.29		
20	QPSK	50	24	21.41	21.34	21.29	23	0
20	QPSK	50	50	21.36	21.36	21.35		
20	QPSK	100	0	21.36	21.43	21.34		
20	16QAM	1	0	21.38	21.36	21.29		
20	16QAM	1	49	21.31	21.35	21.26	23	0
20	16QAM	1	99	21.31	21.31	21.23		
20	16QAM	50	0	21.31	21.35	21.15		
20	16QAM	50	24	21.32	21.28	21.23	23	0
20	16QAM	50	50	21.30	21.29	21.21		
20	16QAM	100	0	21.34	21.37	21.29		
20	64QAM	1	0	21.41	21.42	21.32		
20	64QAM	1	49	21.35	21.34	21.26	23	0
20	64QAM	1	99	21.28	21.23	21.21		
20	64QAM	50	0	20.93	20.98	20.97		
20	64QAM	50	24	20.93	20.87	20.83	22.5	0.5
20	64QAM	50	50	20.91	20.82	20.77		
20	64QAM	100	0	20.89	20.94	20.78		
20	256QAM	1	0	18.91	19.04	18.96		
20	256QAM	1	49	18.91	18.86	18.88	20.5	2.5
20	256QAM	1	99	18.92	18.92	18.76		
20	256QAM	50	0	18.91	18.90	18.76		
20	256QAM	50	24	18.91	18.82	18.80	20.5	2.5
20	256QAM	50	50	18.88	18.80	18.90		
20	256QAM	100	0	18.83	18.95	18.90		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.35	21.39	21.33		
15	QPSK	1	37	21.34	21.30	21.34	23	0
15	QPSK	1	74	21.30	21.23	21.26		
15	QPSK	36	0	21.31	21.31	21.17		
15	QPSK	36	20	21.35	21.29	21.19	23	0
15	QPSK	36	39	21.30	21.30	21.26		
15	QPSK	75	0	21.29	21.31	21.30		
15	16QAM	1	0	21.31	21.30	21.27		
15	16QAM	1	37	21.27	21.23	21.17	23	0
15	16QAM	1	74	21.27	21.22	21.10		
15	16QAM	36	0	21.22	21.29	21.02		
15	16QAM	36	20	21.25	21.20	21.15	23	0
15	16QAM	36	39	21.25	21.15	21.07		
15	16QAM	75	0	21.30	21.33	21.16		
15	64QAM	1	0	21.31	21.36	21.27		
15	64QAM	1	37	21.28	21.26	21.13	23	0
15	64QAM	1	74	21.23	21.11	21.17		
15	64QAM	36	0	20.80	20.85	20.90		
15	64QAM	36	20	20.89	20.80	20.76	22.5	0.5
15	64QAM	36	39	20.88	20.74	20.74		
15	64QAM	75	0	20.81	20.88	20.73		
15	256QAM	1	0	18.78	18.93	18.91		
15	256QAM	1	37	18.85	18.74	18.83	20.5	2.5
15	256QAM	1	74	18.89	18.87	18.74		
15	256QAM	36	0	18.82	18.86	18.67		
15	256QAM	36	20	18.83	18.80	18.67	20.5	2.5
15	256QAM	36	39	18.82	18.76	18.78		
15	256QAM	75	0	18.77	18.81	18.86		
Channel				37800	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.38	21.45	21.31		
10	QPSK	1	25	21.40	21.29	21.34	23	0
10	QPSK	1	49	21.27	21.28	21.28		
10	QPSK	25	0	21.24	21.38	21.24		
10	QPSK	25	12	21.33	21.30	21.17	23	0
10	QPSK	25	25	21.32	21.28	21.24		
10	QPSK	50	0	21.27	21.39	21.22		
10	16QAM	1	0	21.28	21.32	21.18		
10	16QAM	1	25	21.24	21.29	21.19	23	0
10	16QAM	1	49	21.23	21.22	21.15		
10	16QAM	25	0	21.18	21.28	21.05		
10	16QAM	25	12	21.30	21.26	21.11	23	0
10	16QAM	25	25	21.24	21.19	21.19		
10	16QAM	50	0	21.23	21.30	21.23		
10	64QAM	1	0	21.35	21.33	21.24		
10	64QAM	1	25	21.29	21.26	21.20	23	0
10	64QAM	1	49	21.17	21.10	21.07		
10	64QAM	25	0	20.85	20.95	20.92		
10	64QAM	25	12	20.82	20.83	20.74	22.5	0.5
10	64QAM	25	25	20.77	20.78	20.68		
10	64QAM	50	0	20.76	20.83	20.73		
10	256QAM	1	0	18.80	18.93	18.89		
10	256QAM	1	25	18.85	18.82	18.79	20.5	2.5
10	256QAM	1	49	18.89	18.84	18.73		
10	256QAM	25	0	18.84	18.76	18.63		
10	256QAM	25	12	18.87	18.75	18.77	20.5	2.5
10	256QAM	25	25	18.84	18.73	18.86		
10	256QAM	50	0	18.79	18.87	18.82		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.32	21.43	21.30		
5	QPSK	1	12	21.31	21.35	21.28	23	0
5	QPSK	1	24	21.33	21.33	21.19		
5	QPSK	12	0	21.29	21.37	21.21		
5	QPSK	12	7	21.32	21.26	21.18	23	0
5	QPSK	12	13	21.31	21.27	21.23		
5	QPSK	25	0	21.25	21.33	21.27		
5	16QAM	1	0	21.26	21.27	21.27		
5	16QAM	1	12	21.30	21.23	21.17	23	0
5	16QAM	1	24	21.27	21.23	21.18		
5	16QAM	12	0	21.20	21.25	21.12		
5	16QAM	12	7	21.21	21.17	21.12	23	0
5	16QAM	12	13	21.25	21.18	21.10		
5	16QAM	25	0	21.21	21.28	21.21		
5	64QAM	1	0	21.28	21.37	21.20		
5	64QAM	1	12	21.29	21.31	21.14	23	0
5	64QAM	1	24	21.24	21.12	21.10		
5	64QAM	12	0	20.86	20.94	20.92		
5	64QAM	12	7	20.81	20.75	20.77	22.5	0.5
5	64QAM	12	13	20.88	20.77	20.67		
5	64QAM	25	0	20.75	20.90	20.71		
5	256QAM	1	0	18.86	18.93	18.85		
5	256QAM	1	12	18.78	18.75	18.75	20.5	2.5
5	256QAM	1	24	18.87	18.78	18.66		
5	256QAM	12	0	18.81	18.80	18.71		
5	256QAM	12	7	18.85	18.69	18.67	20.5	2.5
5	256QAM	12	13	18.80	18.72	18.82		
5	256QAM	25	0	18.70	18.87	18.83		

Band 41 Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.50	21.45	21.52	21.47	21.49		
20	QPSK	1	49	21.39	21.44	21.48	21.37	21.45	23	0
20	QPSK	1	99	21.32	21.46	21.38	21.27	21.28		
20	QPSK	50	0	21.44	21.38	21.45	21.34	21.33		
20	QPSK	50	24	21.20	21.37	21.31	21.26	21.30	23	0
20	QPSK	50	50	21.40	21.43	21.41	21.41	21.40		
20	QPSK	100	0	21.37	21.35	21.40	21.32	21.39		
20	16QAM	1	0	21.29	21.41	21.34	21.34	21.23		
20	16QAM	1	49	21.30	21.27	21.34	21.25	21.26	23	0
20	16QAM	1	99	21.25	21.28	21.36	21.19	21.34		
20	16QAM	50	0	21.29	21.36	21.39	21.19	21.37		
20	16QAM	50	24	21.33	21.38	21.34	21.21	21.32	23	0
20	16QAM	50	50	21.18	21.26	21.27	21.22	21.24		
20	16QAM	100	0	21.27	21.40	21.38	21.33	21.32		
20	64QAM	1	0	21.35	21.40	21.40	21.39	21.36		
20	64QAM	1	49	21.34	21.37	21.37	21.33	21.31	23	0
20	64QAM	1	99	21.20	21.33	21.30	21.20	21.21		
20	64QAM	50	0	20.97	20.96	20.99	20.97	20.87		
20	64QAM	50	24	20.88	20.98	20.94	20.84	20.82	22.5	0.5
20	64QAM	50	50	20.79	20.87	20.87	20.81	20.75		
20	64QAM	100	0	20.96	20.92	20.99	20.86	20.97		
20	256QAM	1	0	18.97	18.93	19.06	18.98	19.00		
20	256QAM	1	49	18.85	18.93	18.94	18.94	18.89	20.5	2.5
20	256QAM	1	99	18.88	18.90	18.93	18.79	18.88		
20	256QAM	50	0	18.83	18.92	18.89	18.78	18.83		
20	256QAM	50	24	18.68	18.89	18.79	18.83	18.67	20.5	2.5
20	256QAM	50	50	18.72	18.90	18.84	18.90	18.75		
20	256QAM	100	0	18.98	18.90	19.00	18.87	18.90		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.42	21.41	21.47	21.42	21.48		
15	QPSK	1	37	21.32	21.42	21.41	21.30	21.35	23	0
15	QPSK	1	74	21.26	21.45	21.27	21.17	21.27		
15	QPSK	36	0	21.33	21.28	21.39	21.24	21.28		
15	QPSK	36	20	21.16	21.28	21.29	21.26	21.24	23	0
15	QPSK	36	39	21.38	21.42	21.38	21.40	21.40		
15	QPSK	75	0	21.34	21.35	21.37	21.25	21.37		
15	16QAM	1	0	21.23	21.33	21.30	21.29	21.17		
15	16QAM	1	37	21.28	21.25	21.28	21.24	21.19	23	0
15	16QAM	1	74	21.23	21.21	21.34	21.11	21.32		
15	16QAM	36	0	21.24	21.28	21.39	21.18	21.36		
15	16QAM	36	20	21.23	21.33	21.22	21.16	21.22	23	0
15	16QAM	36	39	21.10	21.19	21.23	21.20	21.17		
15	16QAM	75	0	21.17	21.37	21.30	21.32	21.30		
15	64QAM	1	0	21.26	21.33	21.28	21.38	21.31		
15	64QAM	1	37	21.33	21.32	21.27	21.28	21.27	23	0
15	64QAM	1	74	21.09	21.33	21.19	21.10	21.15		
15	64QAM	36	0	20.87	20.86	20.93	20.88	20.78		
15	64QAM	36	20	20.77	20.94	20.86	20.82	20.71	22.5	0.5
15	64QAM	36	39	20.70	20.84	20.86	20.78	20.68		
15	64QAM	75	0	20.93	20.85	20.90	20.79	20.88		
15	256QAM	1	0	18.85	18.83	19.01	18.88	18.90		
15	256QAM	1	37	18.74	18.89	18.89	18.87	18.79	20.5	2.5
15	256QAM	1	74	18.79	18.82	18.82	18.78	18.88		
15	256QAM	36	0	18.80	18.90	18.85	18.68	18.75		
15	256QAM	36	20	18.61	18.88	18.70	18.73	18.57	20.5	2.5
15	256QAM	36	39	18.61	18.87	18.75	18.84	18.73		
15	256QAM	75	0	18.89	18.87	19.00	18.87	18.84		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.45	21.44	21.49	21.38	21.38		
10	QPSK	1	25	21.32	21.34	21.45	21.33	21.35	23	0
10	QPSK	1	49	21.24	21.37	21.29	21.21	21.17		
10	QPSK	25	0	21.33	21.27	21.45	21.27	21.30		
10	QPSK	25	12	21.17	21.25	21.22	21.16	21.27	23	0
10	QPSK	25	25	21.38	21.34	21.37	21.35	21.39		
10	QPSK	50	0	21.36	21.25	21.29	21.27	21.37		
10	16QAM	1	0	21.20	21.37	21.24	21.30	21.17		
10	16QAM	1	25	21.26	21.21	21.22	21.18	21.18	23	0
10	16QAM	1	49	21.16	21.21	21.30	21.13	21.25		
10	16QAM	25	0	21.23	21.30	21.30	21.17	21.36		
10	16QAM	25	12	21.32	21.38	21.30	21.14	21.26	23	0
10	16QAM	25	25	21.13	21.21	21.20	21.17	21.17		
10	16QAM	50	0	21.18	21.32	21.27	21.28	21.32		
10	64QAM	1	0	21.33	21.38	21.34	21.38	21.35		
10	64QAM	1	25	21.29	21.32	21.29	21.26	21.27	23	0
10	64QAM	1	49	21.18	21.31	21.25	21.12	21.15		
10	64QAM	25	0	20.92	20.95	20.94	20.86	20.81		
10	64QAM	25	12	20.83	20.91	20.84	20.82	20.74	22.5	0.5
10	64QAM	25	25	20.74	20.76	20.80	20.78	20.73		
10	64QAM	50	0	20.85	20.80	20.90	20.82	20.93		
10	256QAM	1	0	18.94	18.91	18.94	18.98	18.88		
10	256QAM	1	25	18.76	18.86	18.91	18.86	18.85	20.5	2.5
10	256QAM	1	49	18.82	18.79	18.89	18.75	18.76		
10	256QAM	25	0	18.78	18.84	18.86	18.77	18.76		
10	256QAM	25	12	18.60	18.84	18.73	18.76	18.64	20.5	2.5
10	256QAM	25	25	18.61	18.90	18.81	18.85	18.71		
10	256QAM	50	0	18.87	18.83	18.90	18.87	18.80		
Channel				39675	40140	40620	41093	41565	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.43	21.37	21.46	21.42	21.46		
5	QPSK	1	12	21.29	21.37	21.43	21.27	21.42	23	0
5	QPSK	1	24	21.31	21.40	21.35	21.23	21.16		
5	QPSK	12	0	21.43	21.27	21.35	21.29	21.29		
5	QPSK	12	7	21.15	21.29	21.29	21.22	21.29	23	0
5	QPSK	12	13	21.32	21.41	21.34	21.29	21.38		
5	QPSK	25	0	21.36	21.27	21.36	21.31	21.38		
5	16QAM	1	0	21.17	21.40	21.27	21.30	21.19		
5	16QAM	1	12	21.18	21.18	21.32	21.19	21.15	23	0
5	16QAM	1	24	21.19	21.26	21.28	21.17	21.25		
5	16QAM	12	0	21.27	21.32	21.31	21.10	21.34		
5	16QAM	12	7	21.32	21.31	21.28	21.18	21.22	23	0
5	16QAM	12	13	21.17	21.23	21.18	21.14	21.23		
5	16QAM	25	0	21.26	21.35	21.36	21.26	21.31		
5	64QAM	1	0	21.26	21.32	21.38	21.32	21.30		
5	64QAM	1	12	21.30	21.27	21.31	21.25	21.23	23	0
5	64QAM	1	24	21.09	21.24	21.23	21.13	21.11		
5	64QAM	12	0	20.90	20.86	20.96	20.93	20.79		
5	64QAM	12	7	20.87	20.92	20.83	20.80	20.73	22.5	0.5
5	64QAM	12	13	20.79	20.81	20.77	20.75	20.74		
5	64QAM	25	0	20.85	20.82	20.93	20.77	20.97		
5	256QAM	1	0	18.90	18.92	19.05	18.89	18.95		
5	256QAM	1	12	18.80	18.91	18.91	18.82	18.85	20.5	2.5
5	256QAM	1	24	18.80	18.88	18.83	18.76	18.86		
5	256QAM	12	0	18.79	18.89	18.86	18.70	18.73		
5	256QAM	12	7	18.64	18.77	18.71	18.76	18.65	20.5	2.5
5	256QAM	12	13	18.72	18.82	18.82	18.85	18.64		
5	256QAM	25	0	18.89	18.89	18.97	18.85	18.82		

Band 42 Ant6 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	19.75	19.78	19.73		
20	QPSK	1	49	19.74	19.67	19.71	21.3	0
20	QPSK	1	99	19.64	19.74	19.70		
20	QPSK	50	0	19.74	19.77	19.66		
20	QPSK	50	24	19.74	19.70	19.70	21.3	0
20	QPSK	50	50	19.73	19.70	19.65		
20	QPSK	100	0	19.72	19.75	19.71		
20	16QAM	1	0	19.69	19.69	19.72		
20	16QAM	1	49	19.65	19.64	19.59	21.3	0
20	16QAM	1	99	19.57	19.70	19.61		
20	16QAM	50	0	19.72	19.74	19.61		
20	16QAM	50	24	19.62	19.61	19.61	21.3	0
20	16QAM	50	50	19.62	19.59	19.57		
20	16QAM	100	0	19.67	19.72	19.68		
20	64QAM	1	0	19.72	19.67	19.72		
20	64QAM	1	49	19.69	19.64	19.70	21.3	0
20	64QAM	1	99	19.58	19.64	19.69		
20	64QAM	50	0	18.72	18.77	18.73		
20	64QAM	50	24	18.76	18.63	18.70	20.3	1
20	64QAM	50	50	18.65	18.77	18.73		
20	64QAM	100	0	18.76	18.81	18.67		
20	256QAM	1	0	16.79	16.79	16.71		
20	256QAM	1	49	16.79	16.70	16.77	18.3	3
20	256QAM	1	99	16.58	16.77	16.73		
20	256QAM	50	0	16.78	16.74	16.67		
20	256QAM	50	24	16.78	16.73	16.71	18.3	3
20	256QAM	50	50	16.74	16.73	16.60		
20	256QAM	100	0	16.74	16.74	16.71		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	19.69	19.69	19.67		
15	QPSK	1	37	19.68	19.63	19.58	21.3	0
15	QPSK	1	74	19.60	19.69	19.68		
15	QPSK	36	0	19.63	19.68	19.55		
15	QPSK	36	20	19.67	19.62	19.64	21.3	0
15	QPSK	36	39	19.62	19.63	19.52		
15	QPSK	75	0	19.64	19.62	19.62		
15	16QAM	1	0	19.60	19.59	19.68		
15	16QAM	1	37	19.62	19.61	19.55	21.3	0
15	16QAM	1	74	19.49	19.60	19.56		
15	16QAM	36	0	19.67	19.68	19.55		
15	16QAM	36	20	19.55	19.48	19.51	21.3	0
15	16QAM	36	39	19.53	19.54	19.45		
15	16QAM	75	0	19.60	19.69	19.60		
15	64QAM	1	0	19.69	19.63	19.66		
15	64QAM	1	37	19.57	19.55	19.59	21.3	0
15	64QAM	1	74	19.47	19.56	19.64		
15	64QAM	36	0	18.65	18.64	18.69		
15	64QAM	36	20	18.74	18.57	18.66	20.3	1
15	64QAM	36	39	18.62	18.65	18.62		
15	64QAM	75	0	18.66	18.74	18.64		
15	256QAM	1	0	16.70	16.66	16.64		
15	256QAM	1	37	16.75	16.60	16.67	18.3	3
15	256QAM	1	74	16.49	16.65	16.60		
15	256QAM	36	0	16.69	16.66	16.60		
15	256QAM	36	20	16.69	16.65	16.68	18.3	3
15	256QAM	36	39	16.68	16.66	16.49		
15	256QAM	75	0	16.60	16.72	16.64		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	19.69	19.73	19.62		
10	QPSK	1	25	19.71	19.64	19.61	21.3	0
10	QPSK	1	49	19.61	19.60	19.61		
10	QPSK	25	0	19.63	19.69	19.54		
10	QPSK	25	12	19.64	19.65	19.64	21.3	0
10	QPSK	25	25	19.70	19.63	19.61		
10	QPSK	50	0	19.69	19.73	19.61		
10	16QAM	1	0	19.64	19.60	19.66		
10	16QAM	1	25	19.57	19.53	19.54	21.3	0
10	16QAM	1	49	19.46	19.66	19.59		
10	16QAM	25	0	19.59	19.63	19.49		
10	16QAM	25	12	19.49	19.55	19.58	21.3	0
10	16QAM	25	25	19.56	19.57	19.52		
10	16QAM	50	0	19.56	19.70	19.61		
10	64QAM	1	0	19.69	19.57	19.64		
10	64QAM	1	25	19.59	19.60	19.59	21.3	0
10	64QAM	1	49	19.55	19.58	19.62		
10	64QAM	25	0	18.68	18.64	18.60		
10	64QAM	25	12	18.65	18.55	18.57	20.3	1
10	64QAM	25	25	18.56	18.69	18.65		
10	64QAM	50	0	18.64	18.77	18.55		
10	256QAM	1	0	16.71	16.74	16.63		
10	256QAM	1	25	16.66	16.60	16.75	18.3	3
10	256QAM	1	49	16.51	16.72	16.67		
10	256QAM	25	0	16.70	16.60	16.61		
10	256QAM	25	12	16.65	16.60	16.63	18.3	3
10	256QAM	25	25	16.62	16.68	16.52		
10	256QAM	50	0	16.64	16.67	16.63		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	19.71	19.68	19.61		
5	QPSK	1	12	19.61	19.63	19.61	21.3	0
5	QPSK	1	24	19.51	19.62	19.61		
5	QPSK	12	0	19.68	19.63	19.60		
5	QPSK	12	7	19.68	19.57	19.61	21.3	0
5	QPSK	12	13	19.63	19.64	19.59		
5	QPSK	25	0	19.64	19.62	19.66		
5	16QAM	1	0	19.65	19.56	19.67		
5	16QA

		WCDMA II Ant7 DSI3				WCDMA IV Ant7 DSI3			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.81	19.94	19.81	21.30	19.44	19.52	19.38	21.00
3GPP Rel 99	RMC 12.2Kbps	19.94	19.96	19.85	21.30	19.48	19.58	19.42	21.00
3GPP Rel 6	HSDPA Subtest-1	18.93	18.98	18.88	20.30	18.50	18.58	18.50	20.00
3GPP Rel 6	HSDPA Subtest-2	18.88	18.92	18.97	20.30	18.50	18.51	18.55	20.00
3GPP Rel 6	HSDPA Subtest-3	18.35	18.44	18.45	19.80	17.98	18.04	18.01	19.50
3GPP Rel 6	HSDPA Subtest-4	18.39	18.54	18.43	19.80	18.04	18.17	17.98	19.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.94	18.94	18.92	20.30	18.58	18.48	18.55	20.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.88	18.90	18.80	20.30	18.44	18.47	18.37	20.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.37	18.41	18.41	19.80	17.92	18.04	18.03	19.50
3GPP Rel 8	DC-HSDPA Subtest-4	18.38	18.41	18.33	19.80	18.00	17.99	17.92	19.50
3GPP Rel 6	HSUPA Subtest-1	18.87	18.96	18.88	20.30	18.53	18.60	18.46	20.00
3GPP Rel 6	HSUPA Subtest-2	16.96	16.95	16.84	18.30	16.57	16.52	16.47	18.00
3GPP Rel 6	HSUPA Subtest-3	17.93	17.94	17.84	19.30	17.55	17.52	17.38	19.00
3GPP Rel 6	HSUPA Subtest-4	16.99	17.00	16.93	18.30	16.62	16.64	16.58	18.00
3GPP Rel 6	HSUPA Subtest-5	18.91	18.92	18.92	20.30	18.56	18.54	18.47	20.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.46	16.46	16.42	17.80	16.04	16.09	16.07	17.50

Band 2 Ant7 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	20.10	20.21	20.09	21.6	0
20	QPSK	1	49	19.92	20.16	19.99		
20	QPSK	1	99	19.94	20.04	19.91		
20	QPSK	50	0	18.99	19.15	19.12	20.6	1
20	QPSK	50	24	19.01	19.08	19.14		
20	QPSK	50	50	19.02	19.08	19.06		
20	QPSK	100	0	19.12	19.23	19.04		
20	16QAM	1	0	19.06	19.15	19.09	20.6	1
20	16QAM	1	49	19.01	19.26	19.06		
20	16QAM	1	99	19.12	19.14	19.10		
20	16QAM	50	0	18.14	18.14	18.09	19.6	2
20	16QAM	50	24	18.15	18.15	18.17		
20	16QAM	50	50	18.10	18.20	18.15		
20	16QAM	100	0	18.14	18.23	18.07		
20	64QAM	1	0	18.01	18.27	18.04	19.6	2
20	64QAM	1	49	17.99	18.27	18.03		
20	64QAM	1	99	18.05	18.26	18.11		
20	64QAM	50	0	17.00	17.17	17.05	18.6	3
20	64QAM	50	24	17.16	17.15	17.05		
20	64QAM	50	50	17.05	17.21	17.10		
20	64QAM	100	0	17.00	17.22	17.10		
20	256QAM	1	0	15.18	15.29	15.30	16.6	5
20	256QAM	1	49	15.19	15.33	15.25		
20	256QAM	1	99	15.22	15.29	15.28		
20	256QAM	50	0	15.40	15.40	15.13	16.6	5
20	256QAM	50	24	15.21	15.46	15.21		
20	256QAM	50	50	15.22	15.36	15.19		
20	256QAM	100	0	15.28	15.33	15.26		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.95	20.09	20.03	21.6	0
15	QPSK	1	37	19.80	20.01	19.92		
15	QPSK	1	74	19.87	19.99	19.85		
15	QPSK	36	0	18.89	19.10	18.97	20.6	1
15	QPSK	36	20	18.92	19.04	19.10		
15	QPSK	36	39	18.86	18.94	18.97		
15	QPSK	75	0	19.06	19.15	18.96		
15	16QAM	1	0	19.01	19.06	18.99	20.6	1
15	16QAM	1	37	18.95	19.13	19.01		
15	16QAM	1	74	18.96	18.99	19.03		
15	16QAM	36	0	18.07	18.04	17.96	19.6	2
15	16QAM	36	20	18.01	18.02	18.05		
15	16QAM	36	39	17.96	18.15	18.02		
15	16QAM	75	0	18.04	18.11	17.94		
15	64QAM	1	0	17.86	18.22	17.88	19.6	2
15	64QAM	1	37	17.86	18.11	17.96		
15	64QAM	1	74	17.99	18.15	17.97		
15	64QAM	36	0	16.92	17.13	16.89	18.6	3
15	64QAM	36	20	17.11	17.02	17.00		
15	64QAM	36	39	16.94	17.10	16.95		
15	64QAM	75	0	16.89	17.11	16.94		
15	256QAM	1	0	15.23	15.26	15.26	16.6	5
15	256QAM	1	37	15.19	15.29	15.21		
15	256QAM	1	74	15.26	15.32	15.32		
15	256QAM	36	0	15.39	15.45	15.19	16.6	5
15	256QAM	36	20	15.19	15.41	15.22		
15	256QAM	36	39	15.21	15.43	15.23		
15	256QAM	75	0	15.27	15.31	15.28		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.97	20.16	20.02	21.6	0
10	QPSK	1	25	19.88	20.04	19.84		
10	QPSK	1	49	19.89	19.90	19.82		
10	QPSK	25	0	18.90	19.04	19.07	20.6	1
10	QPSK	25	12	18.87	18.98	19.05		
10	QPSK	25	25	18.98	19.03	19.01		
10	QPSK	50	0	19.04	19.13	18.96		
10	16QAM	1	0	18.96	19.05	19.02	20.6	1
10	16QAM	1	25	18.94	19.18	18.90		
10	16QAM	1	49	19.02	19.10	18.98		
10	16QAM	25	0	18.04	17.99	17.99	19.6	2
10	16QAM	25	12	18.00	18.10	18.03		
10	16QAM	25	25	17.97	18.06	18.07		
10	16QAM	50	0	18.05	18.10	18.00		
10	64QAM	1	0	17.95	18.21	18.00	19.6	2
10	64QAM	1	25	17.91	18.15	17.87		
10	64QAM	1	49	17.90	18.22	18.01		
10	64QAM	25	0	16.95	17.06	16.90	18.6	3
10	64QAM	25	12	17.02	17.07	17.00		
10	64QAM	25	25	16.95	17.16	17.03		
10	64QAM	50	0	16.91	17.16	17.02		
10	256QAM	1	0	15.11	15.28	15.23	16.6	5
10	256QAM	1	25	15.11	15.21	15.16		
10	256QAM	1	49	15.19	15.21	15.26		
10	256QAM	25	0	15.33	15.39	15.18	16.6	5
10	256QAM	25	12	15.11	15.41	15.20		
10	256QAM	25	25	15.14	15.29	15.11		
10	256QAM	50	0	15.25	15.30	15.28		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	20.05	20.08	20.00	21.6	0
5	QPSK	1	12	19.85	20.06	19.93		
5	QPSK	1	24	19.89	19.91	19.87		
5	QPSK	12	0	18.95	19.05	19.07	20.6	1
5	QPSK	12	7	18.96	18.97	19.05		
5	QPSK	12	13	18.95	18.96	18.99		
5	QPSK	25	0	19.01	19.11	18.98		
5	16QAM	1	0	19.01	19.05	19.00	20.6	1
5	16QAM	1	12	18.95	19.14	19.00		
5	16QAM	1	24	19.06	19.09	18.97		
5	16QAM	12	0	18.06	18.00	17.98	19.6	2
5	16QAM	12	7	18.03	18.09	18.09		
5	16QAM	12	13	18.03	18.14	18.05		
5	16QAM	25	0	18.00	18.10	17.94		
5	64QAM	1	0	17.89	18.18	17.97	19.6	2
5	64QAM	1	12	17.89	18.17	17.90		
5	64QAM	1	24	17.90	18.15	17.98		
5	64QAM	12	0	16.86	17.02	16.98	18.6	3
5	64QAM	12	7	17.04	17.02	16.99		
5	64QAM	12	13	16.94	17.06	17.00		
5	64QAM	25	0	16.91	17.16	16.96		
5	256QAM	1	0	15.15	15.20	15.19	16.6	5
5	256QAM	1	12	15.19	15.28	15.12		
5	256QAM	1	24	15.29	15.21	15.22		
5	256QAM	12	0	15.32	15.39	15.09	16.6	5
5	256QAM	12	7	15.11	15.36	15.21		
5	256QAM	12	13	15.21	15.31	15.12		
5	256QAM	25	0	15.14	15.21	15.25		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	20.03	20.09	19.98	21.6	0
3	QPSK	1	8	19.79	20.11	19.86		
3	QPSK	1	14	19.83	19.90	19.83		
3	QPSK	8	0	18.89	19.02	19.04	20.6	1
3	QPSK	8	4	18.85	19.02	18.99		
3	QPSK	8	7	18.95	19.01	18.92		
3	QPSK	15	0	19.06	19.11	18.95		
3	16QAM	1	0	18.96	19.10	18.93	20.6	1
3	16QAM	1	8	18.86	19.22	18.91		
3	16QAM	1	14	19.04	19.03	18.97		
3	16QAM	8	0	18.07	18.05	18.04	19.6	2
3	16QAM	8	4	18.08	18.03	18.09		
3	16QAM	8	7	17.98	18.05	18.01		
3	16QAM	15	0	17.98	18.17	18.01		
3	64QAM	1	0	17.96	18.18	17.90	19.6	2
3	64QAM	1	8	17.88	18.17	17.95		
3	64QAM	1	14	18.00	18.14	17.97		
3	64QAM	8	0	16.88	17.02	16.96	18.6	3
3	64QAM	8	4	17.02	17.05	16.91		
3	64QAM	8	7	16.95	17.06	17.01		
3	64QAM	15	0	16.94	17.13	16.99		
3	256QAM	1	0	15.15	15.25	15.22	16.6	5
3	256QAM	1	8	15.10	15.33	15.23		
3	256QAM	1	14	15.19	15.26	15.24		
3	256QAM	8	0	15.26	15.39	15.18	16.6	5
3	256QAM	8	4	15.09	15.38	15.20		
3	256QAM	8	7	15.11	15.34	15.17		
3	256QAM	15	0	15.23	15.23	15.27		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.01	20.08	20.02	21.6	0
1.4	QPSK	1	3	19.99	20.13	19.95		
1.4	QPSK	1	5	19.99	20.11	20.05		
1.4	QPSK	3	0	19.97	20.17	20.04		
1.4	QPSK	3	1	20.03	20.08	19.97		
1.4	QPSK	3	3	20.01	20.12	20.04		
1.4	QPSK	6	0	19.06	19.20	19.11	20.6	1
1.4	16QAM	1	0	19.15	19.25	19.04	20.6	1
1.4	16QAM	1	3	19.10	19.16	19.06		
1.4	16QAM	1	5	19.09	19.25	19.10		
1.4	16QAM	3	0	19.11	19.21	19.08		
1.4	16QAM	3	1	19.07	19.27	19.13		
1.4	16QAM	3	3	19.07	19.21	19.13		
1.4	16QAM	6	0	18.08	18.20	18.15	19.6	2
1.4	64QAM	1	0	18.11	18.24	18.05	19.6	2
1.4	64QAM	1	3	18.11	18.22	18.14		
1.4	64QAM	1	5	18.06	18.20	18.07		
1.4	64QAM	3	0	18.11	18.18	18.13		
1.4	64QAM	3	1	18.12	18.17	18.05		
1.4	64QAM	3	3	18.15	18.19	18.08		
1.4	64QAM	6	0	17.11	17.20	17.05	18.6	3
1.4	256QAM	1	0	15.08	15.26	15.12	16.6	5
1.4	256QAM	1	3	15.12	15.25	15.12		
1.4	256QAM	1	5	15.15	15.23	15.07		
1.4	256QAM	3	0	15.15	15.17	15.10		
1.4	256QAM	3	1	15.06	15.17	15.04		
1.4	256QAM	3	3	15.10	15.24	15.03		
1.4	256QAM	6	0	15.04	15.26	15.07	16.6	5

Band 4 Ant7 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	18.06	18.09	18.04	19.5	0
20	QPSK	1	49	18.03	18.00	17.96		
20	QPSK	1	99	18.03	17.91	17.90		
20	QPSK	50	0	18.02	18.05	17.96	19.5	0
20	QPSK	50	24	17.95	18.01	17.91		
20	QPSK	50	50	17.98	18.00	17.91		
20	QPSK	100	0	18.03	18.04	17.95		
20	16QAM	1	0	17.97	18.00	17.97	19.5	0
20	16QAM	1	49	17.92	17.90	17.89		
20	16QAM	1	99	17.91	17.90	17.87		
20	16QAM	50	0	17.94	17.92	17.92	19.5	0
20	16QAM	50	24	17.86	17.89	17.88		
20	16QAM	50	50	17.91	17.92	17.82		
20	16QAM	100	0	17.98	18.00	17.92		
20	64QAM	1	0	17.93	17.98	17.90	19.5	0
20	64QAM	1	49	17.97	17.87	17.90		
20	64QAM	1	99	17.93	17.91	17.86		
20	64QAM	50	0	17.55	17.53	17.54	19	0.5
20	64QAM	50	24	17.48	17.54	17.43		
20	64QAM	50	50	17.52	17.53	17.46		
20	64QAM	100	0	17.53	17.59	17.42		
20	256QAM	1	0	15.51	15.53	15.58	17	2.5
20	256QAM	1	49	15.58	15.46	15.46		
20	256QAM	1	99	15.59	15.52	15.37		
20	256QAM	50	0	15.52	15.59	15.47	17	2.5
20	256QAM	50	24	15.45	15.56	15.37		
20	256QAM	50	50	15.49	15.54	15.36		
20	256QAM	100	0	15.55	15.49	15.47		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	17.94	18.02	18.02	19.5	0
15	QPSK	1	37	17.99	17.97	17.89		
15	QPSK	1	74	17.93	17.95	17.78		
15	QPSK	36	0	18.01	17.98	17.89	19.5	0
15	QPSK	36	20	17.88	17.95	17.86		
15	QPSK	36	39	17.94	17.89	17.79		
15	QPSK	75	0	17.98	17.96	17.83		
15	16QAM	1	0	17.84	17.92	17.94	19.5	0
15	16QAM	1	37	17.81	17.81	17.83		
15	16QAM	1	74	17.79	17.89	17.78		
15	16QAM	36	0	17.83	17.87	17.91	19.5	0
15	16QAM	36	20	17.74	17.84	17.85		
15	16QAM	36	39	17.81	17.83	17.70		
15	16QAM	75	0	17.92	17.94	17.91		
15	64QAM	1	0	17.84	17.96	17.83	19.5	0
15	64QAM	1	37	17.90	17.78	17.81		
15	64QAM	1	74	17.91	17.89	17.78		
15	64QAM	36	0	17.50	17.47	17.41	19	0.5
15	64QAM	36	20	17.40	17.53	17.40		
15	64QAM	36	39	17.41	17.42	17.35		
15	64QAM	75	0	17.41	17.50	17.35		
15	256QAM	1	0	15.40	15.42	15.51	17	2.5
15	256QAM	1	37	15.46	15.41	15.38		
15	256QAM	1	74	15.53	15.50	15.35		
15	256QAM	36	0	15.40	15.49	15.43	17	2.5
15	256QAM	36	20	15.40	15.50	15.27		
15	256QAM	36	39	15.38	15.50	15.25		
15	256QAM	75	0	15.48	15.45	15.43		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	17.97	18.00	17.97	19.5	0
10	QPSK	1	25	17.95	17.93	17.87		
10	QPSK	1	49	17.99	17.91	17.81		
10	QPSK	25	0	17.93	17.97	17.90	19.5	0
10	QPSK	25	12	17.91	17.97	17.85		
10	QPSK	25	25	17.87	17.89	17.88		
10	QPSK	50	0	17.97	17.93	17.92		
10	16QAM	1	0	17.95	17.90	17.90	19.5	0
10	16QAM	1	25	17.80	17.80	17.76		
10	16QAM	1	49	17.89	17.84	17.75		
10	16QAM	25	0	17.91	17.82	17.80	19.5	0
10	16QAM	25	12	17.79	17.78	17.83		
10	16QAM	25	25	17.87	17.88	17.79		
10	16QAM	50	0	17.86	17.88	17.87		
10	64QAM	1	0	17.82	17.96	17.87	19.5	0
10	64QAM	1	25	17.88	17.74	17.86		
10	64QAM	1	49	17.90	17.88	17.76		
10	64QAM	25	0	17.45	17.44	17.43	19	0.5
10	64QAM	25	12	17.35	17.45	17.30		
10	64QAM	25	25	17.48	17.46	17.35		
10	64QAM	50	0	17.48	17.54	17.33		
10	256QAM	1	0	15.42	15.44	15.50	17	2.5
10	256QAM	1	25	15.50	15.44	15.38		
10	256QAM	1	49	15.56	15.39	15.27		
10	256QAM	25	0	15.40	15.58	15.43	17	2.5
10	256QAM	25	12	15.40	15.48	15.27		
10	256QAM	25	25	15.39	15.46	15.24		
10	256QAM	50	0	15.47	15.40	15.44		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	17.99	18.04	17.99	19.5	0
5	QPSK	1	12	18.01	17.90	17.85		
5	QPSK	1	24	17.92	17.96	17.83		
5	QPSK	12	0	17.91	18.03	17.89	19.5	0
5	QPSK	12	7	17.86	17.92	17.84		
5	QPSK	12	13	17.93	17.95	17.86		
5	QPSK	25	0	17.99	17.97	17.85		
5	16QAM	1	0	17.88	17.95	17.90	19.5	0
5	16QAM	1	12	17.87	17.81	17.83		
5	16QAM	1	24	17.86	17.79	17.75		
5	16QAM	12	0	17.90	17.88	17.80	19.5	0
5	16QAM	12	7	17.81	17.81	17.84		
5	16QAM	12	13	17.84	17.80	17.75		
5	16QAM	25	0	17.92	17.93	17.87		
5	64QAM	1	0	17.91	17.87	17.78	19.5	0
5	64QAM	1	12	17.84	17.78	17.82		
5	64QAM	1	24	17.83	17.86	17.82		
5	64QAM	12	0	17.49	17.50	17.52	19	0.5
5	64QAM	12	7	17.41	17.48	17.39		
5	64QAM	12	13	17.47	17.47	17.44		
5	64QAM	25	0	17.46	17.53	17.40		
5	256QAM	1	0	15.39	15.45	15.55	17	2.5
5	256QAM	1	12	15.47	15.42	15.42		
5	256QAM	1	24	15.54	15.39	15.24		
5	256QAM	12	0	15.49	15.55	15.46	17	2.5
5	256QAM	12	7	15.39	15.46	15.26		
5	256QAM	12	13	15.47	15.43	15.23		
5	256QAM	25	0	15.52	15.39	15.36		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	18.05	17.98	17.94	19.5	0
3	QPSK	1	8	17.94	17.95	17.86		
3	QPSK	1	14	18.00	17.95	17.81		
3	QPSK	8	0	17.95	17.93	17.90	19.5	0
3	QPSK	8	4	17.94	17.91	17.88		
3	QPSK	8	7	17.97	17.95	17.80		
3	QPSK	15	0	17.92	17.92	17.90		
3	16QAM	1	0	17.89	17.90	17.90	19.5	0
3	16QAM	1	8	17.85	17.84	17.82		
3	16QAM	1	14	17.86	17.80	17.81		
3	16QAM	8	0	17.87	17.86	17.90	19.5	0
3	16QAM	8	4	17.80	17.83	17.80		
3	16QAM	8	7	17.90	17.85	17.75		
3	16QAM	15	0	17.95	17.93	17.83		
3	64QAM	1	0	17.84	17.88	17.77	19.5	0
3	64QAM	1	8	17.89	17.80	17.79		
3	64QAM	1	14	17.83	17.87	17.85		
3	64QAM	8	0	17.50	17.52	17.42	19	0.5
3	64QAM	8	4	17.41	17.42	17.34		
3	64QAM	8	7	17.43	17.44	17.38		
3	64QAM	15	0	17.43	17.46	17.37		
3	256QAM	1	0	15.40	15.47	15.56	17	2.5
3	256QAM	1	8	15.52	15.38	15.41		
3	256QAM	1	14	15.49	15.44	15.28		
3	256QAM	8	0	15.46	15.56	15.38	17	2.5
3	256QAM	8	4	15.37	15.52	15.25		
3	256QAM	8	7	15.48	15.43	15.29		
3	256QAM	15	0	15.52	15.42	15.37		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	17.93	18.05	18.01	19.5	0
1.4	QPSK	1	3	18.00	17.96	17.90		
1.4	QPSK	1	5	17.96	17.95	17.80		
1.4	QPSK	3	0	17.89	17.96	17.83		
1.4	QPSK	3	1	17.88	17.98	17.83		
1.4	QPSK	3	3	17.95	17.88	17.86		
1.4	QPSK	6	0	17.99	17.93	17.92	19.5	0
1.4	16QAM	1	0	17.87	17.97	17.89	19.5	0
1.4	16QAM	1	3	17.89	17.82	17.80		
1.4	16QAM	1	5	17.79	17.78	17.80		
1.4	16QAM	3	0	17.83	17.87	17.85		
1.4	16QAM	3	1	17.81	17.86	17.78		
1.4	16QAM	3	3	17.87	17.90	17.74		
1.4	16QAM	6	0	17.91	17.90	17.79	19.5	0
1.4	64QAM	1	0	17.91	17.86	17.85	19.5	0
1.4	64QAM	1	3	17.91	17.82	17.86		
1.4	64QAM	1	5	17.82	17.88	17.74		
1.4	64QAM	3	0	17.80	17.92	17.96		
1.4	64QAM	3	1	17.88	17.85	17.88		
1.4	64QAM	3	3	17.89	17.92	17.76		
1.4	64QAM	6	0	17.41	17.58	17.36	19	0.5
1.4	256QAM	1	0	15.49	15.47	15.50	17	2.5
1.4	256QAM	1	3	15.49	15.42	15.41		
1.4	256QAM	1	5	15.56	15.49	15.29		
1.4	256QAM	3	0	15.41	15.58	15.42		
1.4	256QAM	3	1	15.43	15.47	15.35		
1.4	256QAM	3	3	15.46	15.46	15.32		
1.4	256QAM	6	0	15.50	15.45	15.46	17	2.5

Band 7 Ant7 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.74	18.88	18.79	20.2	0
20	QPSK	1	49	18.77	18.76	18.74		
20	QPSK	1	99	18.80	18.77	18.79		
20	QPSK	50	0	18.75	18.85	18.72	20.2	0
20	QPSK	50	24	18.76	18.84	18.72		
20	QPSK	50	50	18.79	18.82	18.78		
20	QPSK	100	0	18.82	18.83	18.74		
20	16QAM	1	0	18.76	18.77	18.73	20.2	0
20	16QAM

Band 25 Ant7 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	19.63	19.77	19.50	21.2	0
20	QPSK	1	49	19.45	19.64	19.49		
20	QPSK	1	99	19.48	19.48	19.34		
20	QPSK	50	0	18.33	18.73	18.49	20.2	1
20	QPSK	50	24	18.51	18.53	18.71		
20	QPSK	50	50	18.48	18.63	18.66		
20	QPSK	100	0	18.71	18.79	18.54		
20	16QAM	1	0	18.51	18.58	18.56	20.2	1
20	16QAM	1	49	18.47	18.81	18.56		
20	16QAM	1	99	18.76	18.73	18.60		
20	16QAM	50	0	17.66	17.73	17.47	19.2	2
20	16QAM	50	24	17.68	17.64	17.61		
20	16QAM	50	50	17.58	17.66	17.64		
20	16QAM	100	0	17.59	17.74	17.70		
20	64QAM	1	0	17.57	17.72	17.55	19.2	2
20	64QAM	1	49	17.47	17.74	17.41		
20	64QAM	1	99	17.47	17.75	17.56		
20	64QAM	50	0	16.50	16.69	16.58	18.2	3
20	64QAM	50	24	16.66	16.63	16.62		
20	64QAM	50	50	16.55	16.73	16.58		
20	64QAM	100	0	16.61	16.73	16.64		
20	256QAM	1	0	14.73	14.77	14.72	16.2	5
20	256QAM	1	49	14.67	14.95	14.77		
20	256QAM	1	99	14.78	14.83	14.71		
20	256QAM	50	0	14.86	14.89	14.59	16.2	5
20	256QAM	50	24	14.73	15.08	14.61		
20	256QAM	50	50	14.73	14.84	14.70		
20	256QAM	100	0	14.81	14.84	14.92		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	19.58	19.72	19.34	21.2	0
15	QPSK	1	37	19.33	19.56	19.42		
15	QPSK	1	74	19.42	19.37	19.28		
15	QPSK	36	0	18.25	18.68	18.38	20.2	1
15	QPSK	36	20	18.45	18.46	18.59		
15	QPSK	36	39	18.43	18.50	18.52		
15	QPSK	75	0	18.66	18.67	18.39		
15	16QAM	1	0	18.43	18.50	18.43	20.2	1
15	16QAM	1	37	18.40	18.70	18.50		
15	16QAM	1	74	18.62	18.59	18.50		
15	16QAM	36	0	17.59	17.60	17.41	19.2	2
15	16QAM	36	20	17.57	17.55	17.56		
15	16QAM	36	39	17.50	17.60	17.59		
15	16QAM	75	0	17.46	17.67	17.63		
15	64QAM	1	0	17.51	17.59	17.49	19.2	2
15	64QAM	1	37	17.39	17.60	17.32		
15	64QAM	1	74	17.41	17.70	17.44		
15	64QAM	36	0	16.42	16.58	16.47	18.2	3
15	64QAM	36	20	16.56	16.54	16.54		
15	64QAM	36	39	16.42	16.68	16.43		
15	64QAM	75	0	16.48	16.60	16.53		
15	256QAM	1	0	14.64	14.63	14.58	16.2	5
15	256QAM	1	37	14.52	14.83	14.69		
15	256QAM	1	74	14.73	14.70	14.59		
15	256QAM	36	0	14.81	14.73	14.54	16.2	5
15	256QAM	36	20	14.64	14.98	14.51		
15	256QAM	36	39	14.61	14.76	14.55		
15	256QAM	75	0	14.66	14.73	14.77		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	19.54	19.64	19.40	21.2	0
10	QPSK	1	25	19.31	19.49	19.41		
10	QPSK	1	49	19.34	19.34	19.28		
10	QPSK	25	0	18.26	18.63	18.42	20.2	1
10	QPSK	25	12	18.37	18.46	18.56		
10	QPSK	25	25	18.37	18.59	18.50		
10	QPSK	50	0	18.58	18.74	18.43		
10	16QAM	1	0	18.44	18.54	18.46	20.2	1
10	16QAM	1	25	18.41	18.74	18.41		
10	16QAM	1	49	18.69	18.63	18.53		
10	16QAM	25	0	17.60	17.67	17.31	19.2	2
10	16QAM	25	12	17.53	17.58	17.52		
10	16QAM	25	25	17.51	17.50	17.59		
10	16QAM	50	0	17.48	17.68	17.58		
10	64QAM	1	0	17.48	17.60	17.49	19.2	2
10	64QAM	1	25	17.32	17.67	17.31		
10	64QAM	1	49	17.37	17.59	17.44		
10	64QAM	25	0	16.41	16.61	16.48	18.2	3
10	64QAM	25	12	16.60	16.53	16.49		
10	64QAM	25	25	16.44	16.66	16.43		
10	64QAM	50	0	16.55	16.66	16.53		
10	256QAM	1	0	14.66	14.66	14.65	16.2	5
10	256QAM	1	25	14.60	14.83	14.71		
10	256QAM	1	49	14.73	14.67	14.61		
10	256QAM	25	0	14.81	14.75	14.50	16.2	5
10	256QAM	25	12	14.68	14.96	14.50		
10	256QAM	25	25	14.65	14.77	14.59		
10	256QAM	50	0	14.74	14.79	14.87		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	19.53	19.69	19.35	21.2	0
5	QPSK	1	12	19.36	19.50	19.40		
5	QPSK	1	24	19.33	19.33	19.27		
5	QPSK	12	0	18.23	18.57	18.35	20.2	1
5	QPSK	12	7	18.39	18.46	18.66		
5	QPSK	12	13	18.44	18.59	18.55		
5	QPSK	25	0	18.57	18.65	18.40		
5	16QAM	1	0	18.37	18.44	18.46	20.2	1
5	16QAM	1	12	18.42	18.72	18.44		
5	16QAM	1	24	18.69	18.67	18.51		
5	16QAM	12	0	17.53	17.60	17.34	19.2	2
5	16QAM	12	7	17.53	17.54	17.56		
5	16QAM	12	13	17.52	17.53	17.54		
5	16QAM	25	0	17.54	17.62	17.59		
5	64QAM	1	0	17.49	17.58	17.39	19.2	2
5	64QAM	1	12	17.35	17.60	17.27		
5	64QAM	1	24	17.32	17.64	17.50		
5	64QAM	12	0	16.35	16.64	16.46	18.2	3
5	64QAM	12	7	16.51	16.48	16.55		
5	64QAM	12	13	16.50	16.65	16.49		
5	64QAM	25	0	16.53	16.66	16.51		
5	256QAM	1	0	14.57	14.67	14.59	16.2	5
5	256QAM	1	12	14.63	14.90	14.72		
5	256QAM	1	24	14.83	14.74	14.62		
5	256QAM	12	0	14.74	14.73	14.48	16.2	5
5	256QAM	12	7	14.66	14.97	14.57		
5	256QAM	12	13	14.60	14.77	14.61		
5	256QAM	25	0	14.70	14.75	14.77		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	19.50	19.72	19.42	21.2	0
3	QPSK	1	8	19.31	19.55	19.37		
3	QPSK	1	14	19.40	19.34	19.26		
3	QPSK	8	0	18.28	18.57	18.37	20.2	1
3	QPSK	8	4	18.35	18.46	18.56		
3	QPSK	8	7	18.36	18.48	18.55		
3	QPSK	15	0	18.67	18.64	18.39		
3	16QAM	1	0	18.40	18.42	18.41	20.2	1
3	16QAM	1	8	18.34	18.66	18.46		
3	16QAM	1	14	18.69	18.63	18.51		
3	16QAM	8	0	17.58	17.63	17.31	19.2	2
3	16QAM	8	4	17.60	17.52	17.48		
3	16QAM	8	7	17.54	17.62	17.60		
3	16QAM	15	0	17.49	17.70	17.60		
3	64QAM	1	0	17.47	17.58	17.50	19.2	2
3	64QAM	1	8	17.39	17.62	17.29		
3	64QAM	1	14	17.37	17.62	17.41		
3	64QAM	8	0	16.38	16.60	16.49	18.2	3
3	64QAM	8	4	16.55	16.50	16.57		
3	64QAM	8	7	16.43	16.59	16.49		
3	64QAM	15	0	16.51	16.69	16.59		
3	256QAM	1	0	14.64	14.67	14.68	16.2	5
3	256QAM	1	8	14.55	14.89	14.62		
3	256QAM	1	14	14.64	14.74	14.58		
3	256QAM	8	0	14.80	14.76	14.43	16.2	5
3	256QAM	8	4	14.64	14.70	14.45		
3	256QAM	8	7	14.69	14.70	14.61		
3	256QAM	15	0	14.65	14.77	14.83		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	19.52	19.57	19.37	21.2	0
1.4	QPSK	1	3	19.40	19.57	19.40		
1.4	QPSK	1	5	19.42	19.52	19.57		
1.4	QPSK	3	0	19.44	19.66	19.46		
1.4	QPSK	3	1	19.42	19.47	19.44		
1.4	QPSK	3	3	19.48	19.57	19.47		
1.4	QPSK	6	0	18.61	18.73	18.49	20.2	1
1.4	16QAM	1	0	18.62	18.72	18.40	20.2	1
1.4	16QAM	1	3	18.48	18.69	18.59		
1.4	16QAM	1	5	18.59	18.66	18.56		
1.4	16QAM	3	0	18.57	18.71	18.46		
1.4	16QAM	3	1	18.56	18.69	18.60		
1.4	16QAM	3	3	18.54	18.58	18.51		
1.4	16QAM	6	0	17.52	17.60	17.61	19.2	2
1.4	64QAM	1	0	17.55	17.71	17.46	19.2	2
1.4	64QAM	1	3	17.60	17.61	17.53		
1.4	64QAM	1	5	17.44	17.60	17.51		
1.4	64QAM	3	0	17.66	17.65	17.55		
1.4	64QAM	3	1	17.57	17.61	17.50		
1.4	64QAM	3	3	17.53	17.61	17.55		
1.4	64QAM	6	0	16.54	16.61	16.52	18.2	3
1.4	256QAM	1	0	14.51	14.63	14.53	16.2	5
1.4	256QAM	1	3	14.64	14.72	14.46		
1.4	256QAM	1	5	14.58	14.76	14.43		
1.4	256QAM	3	0	14.57	14.59	14.57		
1.4	256QAM	3	1	14.50	14.70	14.47		
1.4	256QAM	3	3	14.55	14.67	14.48		
1.4	256QAM	6	0	14.45	14.72	14.53	16.2	5

Band 66 Ant7 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	18.15	18.18	18.13	19.6	0
20	QPSK	1	49	18.08	18.05	18.07		
20	QPSK	1	99	18.02	18.04	18.10		
20	QPSK	50	0	18.11	18.15	18.05	19.6	0
20	QPSK	50	24	18.12	18.11	18.04		
20	QPSK	50	50	18.05	18.10	18.08		
20	QPSK	100	0	18.05	18.11	18.09		
20	16QAM	1	0	18.10	18.07	18.04	19.6	0
20	16QAM	1	49	17.96	17.99	17.97		
20	16QAM	1	99	17.98	17.97	18.06		
20	16QAM	50	0	18.02	18.10	17.94	19.6	0
20	16QAM	50	24	18.08	18.08	18.01		
20	16QAM	50	50	17.93	18.04	17.99		
20	16QAM	100	0	18.00	18.07	17.98		
20	64QAM	1	0	18.04	18.08	18.11	19.6	0
20	64QAM	1	49	18.04	18.01	17.97		
20	64QAM	1	99	17.99	18.02	18.01		
20	64QAM	50	0	17.69	17.69	17.68	19.1	0.5
20	64QAM	50	24	17.61	17.49	17.54		
20	64QAM	50	50	17.54	17.54	17.65		
20	64QAM	100	0	17.59	17.65	17.58		
20	256QAM	1	0	15.64	15.71	15.66	17.1	2.5
20	256QAM	1	49	15.53	15.58	15.58		
20	256QAM	1	99	15.46	15.56	15.56		
20	256QAM	50	0	15.58	15.69	15.59	17.1	2.5
20	256QAM	50	24	15.58	15.57	15.59		
20	256QAM	50	50	15.51	15.57	15.53		
20	256QAM	100	0	15.52	15.58	15.55		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.09	18.04	18.07	19.6	0
15	QPSK	1	37	18.05	18.01	17.99		
15	QPSK	1	74	17.98	17.97	17.99		
15	QPSK	36	0	18.06	18.05	17.98	19.6	0
15	QPSK	36	20	17.99	17.98	18.01		
15	QPSK	36	39	17.94	18.02	18.02		
15	QPSK	75	0	17.99	18.04	18.07		
15	16QAM	1	0	18.01	18.02	17.98	19.6	0
15	16QAM	1	37	17.84	17.89	17.92		
15	16QAM	1	74	17.94	17.89	18.02		
15	16QAM	36	0	17.95	18.04	17.80	19.6	0
15	16QAM	36	20	18.05	17.97	17.95		
15	16QAM	36	39	17.85	18.01	17.95		
15	16QAM	75	0	17.94	17.94	17.89		
15	64QAM	1	0	17.93	18.00	18.04	19.6	0
15	64QAM	1	37	17.97	17.91	17.94		
15	64QAM	1	74	17.94	17.89	17.90		
15	64QAM	36	0	17.64	17.66	17.64	19.1	0.5
15	64QAM	36	20	17.56	17.43	17.51		
15	64QAM	36	39	17.49	17.48	17.59		
15	64QAM	75	0	17.46	17.59	17.54		
15	256QAM	1	0	15.62	15.65	15.58	17.1	2.5
15	256QAM	1	37	15.42	15.47	15.53		
15	256QAM	1	74	15.39	15.43	15.42		
15	256QAM	36	0	15.49	15.58	15.48	17.1	2.5
15	256QAM	36	20	15.45	15.55	15.45		
15	256QAM	36	39	15.38	15.44	15.39		
15	256QAM	75	0	15.48	15.45	15.47		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.10	18.15	18.08	19.6	0
10	QPSK	1	25	17.95	17.97	18.01		
10	QPSK	1	49	17.99	18.01	18.00		
10	QPSK	25	0	18.02	18.08	17.98	19.6	0
10	QPSK	25	12	18.09	18.09	17.94		
10	QPSK	25	25	17.92	18.03	17.94		
10	QPSK	50	0	18.01	18.06	18.04		
10	16QAM	1	0	17.96	18.03	17.90	19.6	0
10	16QAM	1	25	17.83	17.88	17.90		
10	16QAM	1	49	17.89	17.93	18.00		
10	16QAM	25	0	17.88	18.08	17.85	19.6	0
10	16QAM	25	12	18.04	17.99	17.96		
10	16QAM	25	25	17.79	17.99	17.94		
10	16QAM	50	0	17.90	17.97	17.94		
10	64QAM	1	0	17.97	18.05	17.97	19.6	0
10	64QAM	1	25	17.91	17.94	17.83		
10	64QAM	1	49	17.97	17.96	17.96		
10	64QAM	25	0	17.56	17.66	17.61	19.1	0.5
10	64QAM	25	12	17.57	17.40	17.49		
10	64QAM	25	25	17.52	17.51	17.60		
10	64QAM	50	0	17.45	17.60	17.45		
10	256QAM	1	0	15.59	15.65	15.53	17.1	2.5
10	256QAM	1	25	15.48	15.54	15.53		
10	256QAM	1	49	15.34	15.54	15.47		
10	256QAM	25	0	15.55	15.61	15.47	17.1	2.5
10	256QAM	25	12	15.47	15.47	15.50		
10	256QAM	25	25	15.45	15.52	15.44		
10	256QAM	50	0	15.47	15.52	15.50		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	18.07	18.04	18.06	19.6	0
5	QPSK	1	12	18.01	17.97	17.97		
5	QPSK	1	24	17.98	17.92	17.98		
5	QPSK	12	0	17.97	18.10	17.98	19.6	0
5	QPSK	12	7	18.00	18.08	17.92		
5	QPSK	12	13	17.94	18.06	18.05		
5	QPSK	25	0	17.92	18.01	17.95		
5	16QAM	1	0	17.96	18.01	17.99	19.6	0
5	16QAM	1	12	17.88	17.97	17.92		
5	16QAM	1	24	17.96	17.85	17.93		
5	16QAM	12	0	17.92	18.04	17.91	19.6	0
5	16QAM	12	7	18.05	17.95	17.88		
5	16QAM	12	13	17.85	17.96	17.91		
5	16QAM	25	0	17.97	18.04	17.89		
5	64QAM	1	0	18.01	18.04	18.03	19.6	0
5	64QAM	1	12	17.95	17.90	17.91		
5	64QAM	1	24	17.91	17.98	17.89		
5	64QAM	12	0	17.64	17.65	17.64	19.1	0.5
5	64QAM	12	7	17.51	17.36	17.46		
5	64QAM	12	13	17.43	17.49	17.58		
5	64QAM	25	0	17.48	17.60	17.50		
5	256QAM	1	0	15.51	15.65	15.57	17.1	2.5
5	256QAM	1	12	15.40	15.49	15.55		
5	256QAM	1	24	15.38	15.48	15.53		
5	256QAM	12	0	15.47	15.58	15.47	17.1	2.5
5	256QAM	12	7	15.45	15.53	15.56		
5	256QAM	12	13	15.43	15.53	15.40		
5	256QAM	25	0	15.48	15.51	15.44		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	18.09	18.11	18.05	19.6	0
3	QPSK	1	8	17.95	17.92	18.01		
3	QPSK	1	14	17.97	17.90	18.07		
3	QPSK	8	0	18.05	18.13	17.94	19.6	0
3	QPSK	8	4	17.99	18.07	17.93		
3	QPSK	8	7	17.94	18.02	17.99		
3	QPSK	15	0	17.93	18.00	17.96		
3	16QAM	1	0	17.92	18.00	17.92	19.6	0
3	16QAM	1	8	17.92	17.94	17.93		
3	16QAM	1	14	17.90	17.91	17.94		
3	16QAM	8	0	17.96	18.01	17.82	19.6	0
3	16QAM	8	4	17.88	18.04	17.88		
3	16QAM	8	7	17.88	17.98	17.91		
3	16QAM	15	0	17.92	17.94	17.86	19.6	0
3	64QAM	1	0	17.96	17.95	18.03	19.6	0
3	64QAM	1	8	17.88	17.99	17.92		
3	64QAM	1	14	17.87	17.88	17.99		
3	64QAM	8	0	17.61	17.59	17.60	19.1	0.5
3	64QAM	8	4	17.49	17.47	17.41		
3	64QAM	8	7	17.42	17.44	17.57		
3	64QAM	15	0	17.53	17.53	17.52		
3	256QAM	1	0	15.51	15.61	15.62	17.1	2.5
3	256QAM	1	8	15.50	15.51	15.47		
3	256QAM	1	14	15.38	15.53	15.42		
3	256QAM	8	0	15.47	15.62	15.46	17.1	2.5
3	256QAM	8	4	15.53	15.45	15.49		
3	256QAM	8	7	15.45	15.53	15.45		
3	256QAM	15	0	15.42	15.45	15.44		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	18.07	18.05	18.04	19.6	0
1.4	QPSK	1	3	18.04	17.95	17.97		
1.4	QPSK	1	5	17.93	17.92	18.04		
1.4	QPSK	3	0	18.05	18.10	17.97		
1.4	QPSK	3	1	18.04	18.04	17.97		
1.4	QPSK	3	3	17.96	18.04	18.05		
1.4	QPSK	6	0	17.94	17.99	18.03	19.6	0
1.4	16QAM	1	0	17.98	17.97	17.93	19.6	0
1.4	16QAM	1	3	17.93	17.89	17.87		
1.4	16QAM	1	5	17.88	17.94	18.00		
1.4	16QAM	3	0	17.93	18.02	17.90		
1.4	16QAM	3	1	17.96	18.04	17.91		
1.4	16QAM	3	3	17.82	17.95	17.86		
1.4	16QAM	6	0	17.86	18.04	17.84	19.6	0
1.4	64QAM	1	0	17.93	18.02	18.02	19.6	0
1.4	64QAM	1	3	18.00	17.88	17.94		
1.4	64QAM	1	5	17.90	17.97	17.91		
1.4	64QAM	3	0	18.08	18.05	18.11		
1.4	64QAM	3	1	17.96	17.98	17.96		
1.4	64QAM	3	3	17.97	18.04	18.04		
1.4	64QAM	6	0	17.47	17.58	17.45	19.1	0.5
1.4	256QAM	1	0	15.61	15.58	15.61	17.1	2.5
1.4	256QAM	1	3	15.51	15.47	15.54		
1.4	256QAM	1	5	15.35	15.42	15.44		
1.4	256QAM	3	0	15.49	15.61	15.53		
1.4	256QAM	3	1	15.56	15.44	15.49		
1.4	256QAM	3	3	15.45	15.54	15.45		
1.4	256QAM	6	0	15.43	15.52	15.48	17.1	2.5

Band 38 Ant7 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.20	20.25	20.16	21.8	0
20	QPSK	1	49	20.20	20.16	20.10		
20	QPSK	1	99	20.08	20.23	20.12		
20	QPSK	50	0	20.11	20.23	20.10	21.8	0
20	QPSK	50	24	20.11	20.13	20.11		
20	QPSK	50	50	20.19	20.22	20.06		
20	QPSK	100	0	20.15	20.16	20.14		
20	16QAM	1	0	20.17	20.12	20.17	21.8	0
20	16QAM	1	49	20.19	20.16	20.09		
20	16QAM	1	99	20.14	20.17	20.09		
20	16QAM	50	0	19.74	19.73	19.61	21.3	0.5
20	16QAM	50	24	19.65	19.67	19.65		
20	16QAM	50	50	19.75	19.68	19.66		
20	16QAM	100	0	19.67	19.72	19.61		
20	64QAM	1	0	19.71	19.73	19.61	21.3	0.5
20	64QAM	1	49	19.68	19.72	19.64		
20	64QAM	1	99	19.74	19.72	19.70		
20	64QAM	50	0	18.74	18.65	18.70	20.3	1.5
20	64QAM	50	24	18.68	18.65	18.69		
20	64QAM	50	50	18.67	18.71	18.64		
20	64QAM	100	0	18.70	18.72	18.63		
20	256QAM	1	0	16.66	16.69	16.61	18.3	3.5
20	256QAM	1	49	16.65	16.70	16.65		
20	256QAM	1	99	16.72	16.66	16.65		
20	256QAM	50	0	16.65	16.68	16.68	18.3	3.5
20	256QAM	50	24	16.70	16.67	16.63		
20	256QAM	50	50	16.69	16.76	16.65		
20	256QAM	100	0	16.73	16.65	16.61		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	20.11	20.13	20.09	21.8	0
15	QPSK	1	37	20.14	20.03	20.03		
15	QPSK	1	74	19.92	20.12	19.98		
15	QPSK	36	0	19.98	20.08	20.04	21.8	0
15	QPSK	36	20	19.98	20.00	20.04		
15	QPSK	36	39	20.13	20.15	19.91		
15	QPSK	75	0	20.10	20.03	20.05		
15	16QAM	1	0	20.12	20.07	20.08	21.8	0
15	16QAM	1	37	20.09	20.02	20.04		
15	16QAM	1	74	20.03	20.07	20.02		
15	16QAM	36	0	19.62	19.60	19.57	21.3	0.5
15	16QAM	36	20	19.57	19.57	19.61		
15	16QAM	36	39	19.62	19.57	19.58		
15	16QAM	75	0	19.58	19.61	19.45		
15	64QAM	1	0	19.56	19.61	19.48	21.3	0.5
15	64QAM	1	37	19.59	19.60	19.56		
15	64QAM	1	74	19.63	19.62	19.63		
15	64QAM	36	0	18.61	18.57	18.65	20.3	1.5
15	64QAM	36	20	18.53	18.52	18.56		
15	64QAM	36	39	18.51	18.55	18.58		
15	64QAM	75	0	18.66	18.64	18.57		
15	256QAM	1	0	16.55	16.54	16.52	18.3	3.5
15	256QAM	1	37	16.56	16.65	16.54		
15	256QAM	1	74	16.67	16.53	16.61		
15	256QAM	36	0	16.60	16.59	16.56	18.3	3.5
15	256QAM	36	20	16.65	16.62	16.50		
15	256QAM	36	39	16.62	16.65	16.59		
15	256QAM	75	0	16.58	16.57	16.46		
Channel				37900	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	20.05	20.16	20.00	21.8	0
10	QPSK	1	25	20.14	20.12	20.01		
10	QPSK	1	49	19.96	20.16	20.03		
10	QPSK	25	0	19.96	20.06	20.01	21.8	0
10	QPSK	25	12	19.96	20.03	19.98		
10	QPSK	25	25	20.07	20.16	20.02		
10	QPSK	50	0	20.08	20.05	20.06		
10	16QAM	1	0	20.02	20.08	20.08	21.8	0
10	16QAM	1	25	20.11	20.08	20.00		
10	16QAM	1	49	20.07	20.12	20.05		
10	16QAM	25	0	19.62	19.66	19.45	21.3	0.5
10	16QAM	25	12	19.51	19.59	19.59		
10	16QAM	25	25	19.60	19.60	19.59		
10	16QAM	50	0	19.60	19.66	19.50		
10	64QAM	1	0	19.61	19.65	19.52	21.3	0.5
10	64QAM	1	25	19.59	19.66	19.50		
10	64QAM	1	49	19.62	19.64	19.59		
10	64QAM	25	0	18.70	18.54	18.57	20.3	1.5
10	64QAM	25	12	18.62	18.60	18.59		
10	64QAM	25	25	18.63	18.61	18.59		
10	64QAM	50	0	18.57	18.62	18.59		
10	256QAM	1	0	16.58	16.64	16.54	18.3	3.5
10	256QAM	1	25	16.55	16.56	16.60		
10	256QAM	1	49	16.62	16.60	16.60		
10	256QAM	25	0	16.53	16.61	16.62	18.3	3.5
10	256QAM	25	12	16.55	16.59	16.51		
10	256QAM	25	25	16.58	16.66	16.51		
10	256QAM	50	0	16.62	16.58	16.50		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	20.09	20.04	20.09	21.8	0
5	QPSK	1	12	20.10	20.10	19.97		
5	QPSK	1	24	19.98	20.09	19.97		
5	QPSK	12	0	19.97	20.03	20.06	21.8	0
5	QPSK	12	7	20.04	20.03	19.99		
5	QPSK	12	13	20.04	20.14	19.97		
5	QPSK	25	0	20.10	20.02	20.06		
5	16QAM	1	0	20.08	20.04	20.06	21.8	0
5	16QAM	1	12	20.06	20.03	20.00		
5	16QAM	1	24	20.08	20.03	20.03		
5	16QAM	12	0	19.66	19.68	19.56	21.3	0.5
5	16QAM	12	7	19.55	19.55	19.55		
5	16QAM	12	13	19.67	19.58	19.57		
5	16QAM	25	0	19.53	19.66	19.57		
5	64QAM	1	0	19.59	19.61	19.53	21.3	0.5
5	64QAM	1	12	19.60	19.59	19.52		
5	64QAM	1	24	19.60	19.56	19.63		
5	64QAM	12	0	18.65	18.54	18.64	20.3	1.5
5	64QAM	12	7	18.53	18.61	18.55		
5	64QAM	12	13	18.52	18.59	18.53		
5	64QAM	25	0	18.63	18.62	18.56		
5	256QAM	1	0	16.58	16.59	16.50	18.3	3.5
5	256QAM	1	12	16.58	16.58	16.51		
5	256QAM	1	24	16.60	16.57	16.59		
5	256QAM	12	0	16.60	16.62	16.62	18.3	3.5
5	256QAM	12	7	16.55	16.56	16.58		
5	256QAM	12	13	16.60	16.69	16.57		
5	256QAM	25	0	16.64	16.56	16.45		

Band 41 Ant7 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.13	20.20	20.35	20.19	20.19	21.8	0
20	QPSK	1	49	20.02	20.13	20.24	20.16	20.14		
20	QPSK	1	99	19.90	20.25	20.11	20.12	20.02		
20	QPSK	50	0	20.04	20.07	20.29	20.16	20.11	21.8	0
20	QPSK	50	24	20.06	20.08	20.19	20.17	20.02		
20	QPSK	50	50	20.21	20.05	20.14	20.25	20.17		
20	QPSK	100	0	20.18	20.09	20.24	20.23	20.00		
20	16QAM	1	0	20.02	20.24	20.26	19.99	20.01	21.8	0
20	16QAM	1	49	19.86	19.98	20.17	19.96	19.86		
20	16QAM	1	99	19.85	20.07	20.08	19.99	19.96		
20	16QAM	50	0	19.59	19.72	19.77	19.75	19.64	21.3	0.5
20	16QAM	50	24	19.65	19.66	19.77	19.73	19.72		
20	16QAM	50	50	19.62	19.74	19.81	19.69	19.72		
20	16QAM	100	0	19.67	19.73	19.72	19.65	19.71		
20	64QAM	1	0	19.64	19.74	19.71	19.75	19.64	21.3	0.5
20	64QAM	1	49	19.59	19.67	19.81	19.69	19.70		
20	64QAM	1	99	19.60	19.71	19.77	19.64	19.65		
20	64QAM	50	0	19.57	19.70	19.78	19.69	19.75	20.3	1.5
20	64QAM	50	24	18.63	18.69	18.71	18.72	18.64		
20	64QAM	50	50	18.61	18.71	18.82	18.74	18.69		
20	64QAM	100	0	18.64	18.75	18.71	18.72	18.71		
20	256QAM	1	0	16.66	16.70	16.73	16.64	16.71	18.3	3.5
20	256QAM	1	49	16.68	16.64	16.76	16.66	16.74		
20	256QAM	1	99	16.61	16.74	16.79	16.75	16.68		
20	256QAM	50	0	16.63	16.69	16.78	16.72	16.73	18.3	3.5
20	256QAM	50	24	16.66	16.74	16.70	16.67	16.64		
20	256QAM	50	50	16.65	16.66	16.80	16.66	16.70		
20	256QAM	100	0	16.65	16.70	16.72	16.73	16.69		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.09	20.17	20.24	20.13	20.13	22	0
15	QPSK	1	37	19.95	20.11	20.19	20.13	20.09		
15	QPSK	1	74	19.87	20.22	20.09	20.06	19.96		
15	QPSK	36	0	19.99	20.05	20.26	20.13	20.06	21.8	0
15	QPSK	36	20	19.98	20.05	20.12	20.11	19.96		
15	QPSK	36	39	20.13	19.98	20.10	20.19	20.11		
15	QPSK	75	0	20.12	20.01	20.15	20.18	19.95		
15	16QAM	1	0	19.98	20.20	20.19	19.94	19.94	21.8	0
15	16QAM	1	37	19.81	19.92	20.10	19.93	19.80		
15	16QAM	1	74	19.83	20.02	20.02	19.93	19.88		
15	16QAM	36	0	19.52	19.69	19.72	19.72	19.59	21.3	0.5
15	16QAM	36	20	19.58	19.60	19.72	19.70	19.66		
15	16QAM	36	39	19.55	19.66	19.73	19.61	19.66		
15	16QAM	75	0	19.64	19.66	19.67	19.63	19.63		
15	64QAM	1	0	19.60	19.67	19.65	19.72	19.56	21.3	0.5
15	64QAM	1	37	19.53	19.63	19.79	19.61	19.67		
15	64QAM	1	74	19.56	19.67	19.74	19.58	19.61		
15	64QAM	36	0	19.54	19.66	19.74	19.65	19.68	20.3	1.5
15	64QAM	36	20	18.58	18.66	18.67	18.67	18.58		
15	64QAM	36	39	18.55	18.66	18.77	18.70	18.62		
15	64QAM	75	0	18.62	18.73	18.68	18.66	18.65		
15	256QAM	1	0	16.58	16.62	16.69	16.60	16.64	18.3	3.5
15	256QAM	1	37	16.65	16.62	16.72	16.59	16.69		
15	256QAM	1	74	16.55	16.67	16.77	16.69	16.63		
15	256QAM	36	0	16.59	16.62	16.76	16.67	16.70	18.3	3.5
15	256QAM	36	20	16.60	16.67	16.66	16.62	16.61		
15	256QAM	36	39	16.58	16.61	16.74	16.62	16.64		
15	256QAM	75	0	16.57	16.62	16.65	16.70	16.62		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.05	20.12	20.22	20.16	20.15	22	0
10	QPSK	1	25	19.96	20.10	20.17	20.11	20.11		
10	QPSK	1	49	19.87	20.22	20.08	20.07	20.00		
10	QPSK	25	0	19.97	19.99	20.26	20.12	20.07	21.8	0
10	QPSK	25	12	20.00	20.01	20.12	20.12	19.99		
10	QPSK	25	25	20.16	19.97	20.07	20.19	20.09		
10	QPSK	50	0	20.11	20.06	20.11	20.19	19.96		
10	16QAM	1	0	19.98	20.19	20.20	19.92	19.96	21.8	0
10	16QAM	1	25	19.82	19.96	20.14	19.93	19.80		
10	16QAM	1	49	19.80	20.04	20.03	19.95	19.90		
10	16QAM	25	0	19.52	19.67	19.70	19.69	19.60	21.3	0.5
10	16QAM	25	12	19.58	19.60	19.72	19.70	19.67		
10	16QAM	25	25	19.59	19.71	19.76	19.61	19.66		
10	16QAM	50	0	19.64	19.68	19.66	19.61	19.68	21.3	0.5
10	64QAM	1	0	19.61	19.71	19.65	19.72	19.57		
10	64QAM	1	25	19.57	19.59	19.76	19.62	19.64		
10	64QAM	1	49	19.55	19.63	19.70	19.58	19.62		
10	64QAM	25	0	19.50	19.65	19.73	19.67	19.69	20.3	1.5
10	64QAM	25	12	18.68	18.62	18.63	18.69	18.61		
10	64QAM	25	25	18.56	18.66	18.78	18.70	18.65		
10	64QAM	50	0	18.59	18.68	18.64	18.65	18.66		
10	256QAM	1	0	16.60	16.67	16.65	16.59	16.65	18.3	3.5
10	256QAM	1	25	16.64	16.59	16.73	16.61	16.67		
10	256QAM	1	49	16.58	16.68	16.75	16.72	16.64		
10	256QAM	25	0	16.55	16.63	16.71	16.64	16.67	18.3	3.5
10	256QAM	25	12	16.59	16.66	16.67	16.63	16.61		
10	256QAM	25	25	16.58	16.61	16.75	16.60	16.67		
10	256QAM	50	0	16.57	16.63	16.70	16.70	16.61		
Channel				39675	40148	40620	41093	41565	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.10	20.18	20.19	20.14	20.17	22	0
5	QPSK	1	12	19.98	20.05	20.21	20.09	20.11		
5	QPSK	1	24	19.82	20.19	20.08	20.10	19.97		
5	QPSK	12	0	20.00	20.01	20.25	20.09	20.06	21.8	0
5	QPSK	12	7	20.01	20.04	20.14	20.14	19.98		
5	QPSK	12	13	20.17	19.98	20.10	20.21	20.13		
5	QPSK	25	0	20.12	20.03	20.13	20.21	19.93		
5	16QAM	1	0	19.95	20.17	20.24	19.92	19.94	21.8	0
5	16QAM	1	12	19.82	19.96	20.12	19.90	19.82		
5	16QAM	1	24	19.82	20.04	20.06	19.92	19.92		
5	16QAM	12	0	19.52	19.66	19.75	19.70	19.58	21.3	0.5
5	16QAM	12	7	19.63	19.61	19.72	19.68	19.68		
5	16QAM	12	13	19.57	19.68	19.79	19.63	19.69		
5	16QAM	25	0	19.61	19.70	19.65	19.62	19.63		
5	64QAM	1	0	19.59	19.69	19.65	19.71	19.57	21.3	0.5
5	64QAM	1	12	19.53	19.65	19.75	19.65	19.62		
5	64QAM	1	24	19.57	19.69	19.70	19.62	19.63		
5	64QAM	12	0	19.51	19.66	19.70	19.63	19.71	20.3	1.5
5	64QAM	12	7	18.60	18.66	18.65	18.67	18.57		
5	64QAM	12	13	18.55	18.65	18.78	18.70	18.64		
5	64QAM	25	0	18.58	18.73	18.69	18.66	18.66		
5	256QAM	1	0	16.60	16.62	16.68	16.58	16.64	18.3	3.5
5	256QAM	1	12	16.62	16.59	16.74	16.63	16.68		
5	256QAM	1	24	16.57	16.66	16.71	16.72	16.60		
5	256QAM	12	0	16.61	16.62	16.70	16.65	16.66	18.3	3.5
5	256QAM	12	7	16.62	16.69	16.66	16.62	16.58		
5	256QAM	12	13	16.60	16.63	16.73	16.60	16.63		
5	256QAM	25	0	16.62	16.66	16.69	16.68	16.65		

Band 42 Ant10 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.92	24.08	23.97	25	0
20	QPSK	1	49	23.95	24.07	23.98		
20	QPSK	1	99	23.97	24.01	24.01		
20	QPSK	50	0	23.95	24.07	24.03	25	0
20	QPSK	50	24	23.90	24.06	24.00		
20	QPSK	50	50	23.86	24.03	23.95		
20	QPSK	100	0	23.94	24.07	23.99		
20	16QAM	1	0	23.92	24.03	23.95	25	0
20	16QAM	1	49	23.89	24.02	23.92		
20	16QAM	1	99	23.87	24.03	23.98		
20	16QAM	50	0	22.96	23.01	22.91	24	1
20	16QAM	50	24	22.98	23.04	22.91		
20	16QAM	50	50	22.94	23.08	23.01		
20	16QAM	100	0	22.86	23.05	22.96		
20	64QAM	1	0	22.89	23.04	22.91	24	1
20	64QAM	1	49	22.87	22.97	23.03		
20	64QAM	1	99	22.89	23.01	22.93		
20	64QAM	50	0	21.96	22.08	21.97	23	2
20	64QAM	50	24	21.87	22.02	21.92		
20	64QAM	50	50	21.90	22.06	21.92		
20	64QAM	100	0	21.97	22.00	21.92		
20	256QAM	1	0	19.90	19.99	19.96	21	4
20	256QAM	1	49	19.87	19.98	20.02		
20	256QAM	1	99	19.95	20.04	20.00		
20	256QAM	50	0	19.95	19.97	19.93	21	4
20	256QAM	50	24	19.94	20.08	19.94		
20	256QAM	50	50	19.88	20.01	19.95		
20	256QAM	100	0	19.93	20.04	19.96		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	23.86	23.87	23.82	25	0
15	QPSK	1	37	23.81	24.01	23.91		
15	QPSK	1	74	23.88	23.86	23.92		
15	QPSK	36	0	23.90	23.94	23.98	25	0
15	QPSK	36	20	23.80	23.92	23.88		
15	QPSK	36	39	23.78	23.93	23.80		
15	QPSK	75	0	23.83	23.92	23.95		
15	16QAM	1	0	23.84	23.96	23.88	25	0
15	16QAM	1	37	23.78	23.93	23.87		
15	16QAM	1	74	23.73	23.98	23.83		
15	16QAM	36	0	22.80	22.91	22.80	24	1
15	16QAM	36	20	22.90	22.93	22.87		
15	16QAM	36	39	22.85	22.95	22.93		
15	16QAM	75	0	22.80	22.90	22.92		
15	64QAM	1	0	22.78	22.99	22.85	24	1
15	64QAM	1	37	22.80	22.90	22.97		
15	64QAM	1	74	22.75	22.90	22.87		
15	64QAM	36	0	21.84	22.00	21.83	23	2
15	64QAM	36	20	21.77	21.97	21.81		
15	64QAM	36	39	21.86	21.96	21.86		
15	64QAM	75	0	21.83	21.96	21.85		
15	256QAM	1	0	19.74	19.86	19.84	21	4
15	256QAM	1	37	19.71	19.83	19.93		
15	256QAM	1	74	19.87	19.97	19.93		
15	256QAM	36	0	19.89	19.90	19.88	21	4
15	256QAM	36	20	19.87	20.02	19.84		
15	256QAM	36	39	19.76	19.90	19.80		
15	256QAM	75	0	19.80	19.93	19.90		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	23.82	23.97	23.87	25	0
10	QPSK	1	25	23.83	23.97	23.89		
10	QPSK	1	49	23.86	23.87	23.95		
10	QPSK	25	0	23.83	23.95	23.97	25	0
10	QPSK	25	12	23.82	23.93	23.94		
10	QPSK	25	25	23.75	23.90	23.88		
10	QPSK	50	0	23.84	23.95	23.94		
10	16QAM	1	0	23.81	23.90	23.80	25	0
10	16QAM	1	25	23.84	23.88	23.87		
10	16QAM	1	49	23.83	23.88	23.86		
10	16QAM	25	0	22.83	22.94	22.81	24	1
10	16QAM	25	12	22.94	22.89	22.87		
10	16QAM	25	25	22.89	22.94	22.86		
10	16QAM	50	0	22.80	22.99	22.84		
10	64QAM	1	0	22.74	22.89	22.80	24	1
10	64QAM	1	25	22.71	22.88	22.89		
10	64QAM	1	49	22.77	22.89	22.86		
10	64QAM	25	0	21.81	21.93	21.90	23	2
10	64QAM	25	12	21.81	21.93	21.84		
10	64QAM	25	25	21.75	22.00	21.77		
10	64QAM	50	0	21.83	21.88	21.81		
10	256QAM	1	0	19.77	19.91	19.87	21	4
10	256QAM	1	25	19.76	19.87	19.94		
10	256QAM	1	49	19.87	19.93	19.91		
10	256QAM	25	0	19.87	19.93	19.82	21	4
10	256QAM	25	12	19.89	19.99	19.87		
10	256QAM	25	25	19.80	19.93	19.89		
10	256QAM	50	0	19.77	19.91	19.83		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	23.78	23.89	23.81	25	0
5	QPSK	1	12	23.80	23.97	23.82		
5	QPSK	1	24	23.92	23.92	23.95		
5	QPSK	12	0	23.87	23.98	23.95	25	0
5	QPSK	12	7	23.82	24.01	23.92		
5	QPSK	12	13	23.79	23.93	23.90		
5	QPSK	25	0	23.87	23.93	23.92		
5	16QAM	1	0	23.81	23.94	23.90	25	0
5	16QAM	1	12	23.79	23.96	23.77		
5	16QAM	1	24	23.83	23.97	23.91		
5	16QAM	12	0	22.88	22.85	22.78	24	1
5	16QAM	12	7	22.89	22.98	22.85		
5	16QAM	12	13	22.86	23.03	22.93		
5	16QAM	25	0	22.73	22.91	22.89		
5	64QAM	1	0	22.81	22.91	22.79	24	1
5	64QAM	1	12	22.73	22.86	22.95		
5	64QAM	1	24	22.80	22.89	22.88		
5	64QAM	12	0	21.91	22.00	21.89	23	2
5	64QAM	12	7	21.82	21.88	21.79		
5	64QAM	12	13	21.77	21.94	21.86		
5	64QAM	25	0	21.83	21.94	21.77		
5	256QAM	1	0	19.79	19.89	19.81	21	4
5	256QAM	1	12	19.81	19.86	19.96		
5	256QAM	1	24	19.82	19.88	19.90		
5	256QAM	12	0	19.79	19.83	19.87	21	4
5	256QAM	12	7	19.79	19.94	19.87		
5	256QAM	12	13	19.80	19.86	19.80		
5	256QAM	25	0	19.77	19.93	19.90		

Band 48 Ant10 DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	23.29	23.57	23.31	23.36	25	0
20	QPSK	1	49	23.37	23.38	23.30	23.36		
20	QPSK	1	99	23.46	23.47	23.39	23.40		
20	QPSK	50	0	22.48	22.61	22.50	22.47	24	1
20	QPSK	50	24	22.47	22.51	22.49	22.54		
20	QPSK	50	50	22.33	22.59	22.45	22.48		
20	QPSK	100	0	22.32	22.57	22.38	22.51		
20	16QAM	1	0	22.43	22.56	22.40	22.47	24	1
20	16QAM	1	49	22.52	22.55	22.55	22.52		
20	16QAM	1	99	22.44	22.52	22.42	22.52		
20	16QAM	50	0	21.40	21.59	21.42	21.40	23	2
20	16QAM	50	24	21.46	21.59	21.47	21.54		
20	16QAM	50	50	21.42	21.49	21.48	21.41		
20	16QAM	100	0	21.42	21.59	21.38	21.45		
20	64QAM	1	0	21.41	21.54	21.41	21.51	23	2
20	64QAM	1	49	21.40	21.50	21.40	21.46		
20	64QAM	1	99	21.37	21.56	21.39	21.42		
20	64QAM	50	0	20.35	20.53	20.39	20.47	22	3
20	64QAM	50	24	20.38	20.60	20.39	20.50		
20	64QAM	50	50	20.48	20.66	20.47	20.41		
20	64QAM	100	0	20.46	20.58	20.43	20.41		
20	256QAM	1	0	18.37	18.52	18.51	18.36	20	5
20	256QAM	1	49	18.47	18.55	18.52	18.46		
20	256QAM	1	99	18.49	18.47	18.41	18.39		
20	256QAM	50	0	18.51	18.49	18.45	18.49	20	5
20	256QAM	50	24	18.42	18.55	18.40	18.39		
20	256QAM	50	50	18.52	18.59	18.49	18.47		
20	256QAM	100	0	18.43	18.51	18.48	18.51		
Channel				55315	55820	56160	56665	Tune-up limit	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	23.21	23.48	23.22	23.22	25	0
15	QPSK	1	37	23.30	23.31	23.22	23.26		
15	QPSK	1	74	23.40	23.33	23.33	23.25		
15	QPSK	36	0	22.36	22.48	22.42	22.32	24	1
15	QPSK	36	20	22.32	22.41	22.35	22.40		
15	QPSK	36	39	22.23	22.44	22.34	22.38		
15	QPSK	75	0	22.18	22.42	22.30	22.40		
15	16QAM	1	0	22.28	22.42	22.30	22.35	24	1
15	16QAM	1	37	22.44	22.48	22.42	22.40		
15	16QAM	1	74	22.31	22.38	22.35	22.38		
15	16QAM	36	0	21.35	21.54	21.36	21.35	23	2
15	16QAM	36	20	21.34	21.43	21.40	21.49		
15	16QAM	36	39	21.27	21.40	21.41	21.31		
15	16QAM	75	0	21.37	21.53	21.26	21.40		
15	64QAM	1	0	21.37	21.46	21.34	21.39	23	2
15	64QAM	1	37	21.28	21.37	21.26	21.33		
15	64QAM	1	74	21.23	21.42	21.23	21.35		
15	64QAM	36	0	20.29	20.37	20.29	20.33	22	3
15	64QAM	36	20	20.32	20.55	20.33	20.37		
15	64QAM	36	39	20.42	20.51	20.36	20.32		
15	64QAM	75	0	20.31	20.43	20.29	20.36		
15	256QAM	1	0	18.30	18.48	18.38	18.27	20	5
15	256QAM	1	37	18.31	18.46	18.41	18.36		
15	256QAM	1	74	18.35	18.38	18.36	18.24		
15	256QAM	36	0	18.38	18.41	18.40	18.45	20	5
15	256QAM	36	20	18.36	18.46	18.33	18.23		
15	256QAM	36	39	18.36	18.50	18.44	18.33		
15	256QAM	75	0	18.31	18.45	18.36	18.35		
Channel				55290	55815	56165	56690	Tune-up limit	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	23.23	23.44	23.18	23.24	25	0
10	QPSK	1	25	23.31	23.33	23.14	23.22		
10	QPSK	1	49	23.41	23.34	23.31	23.27		
10	QPSK	25	0	22.37	22.47	22.34	22.42	24	1
10	QPSK	25	12	22.37	22.39	22.36	22.40		
10	QPSK	25	25	22.23	22.49	22.37	22.38		
10	QPSK	50	0	22.22	22.41	22.25	22.38		
10	16QAM	1	0	22.34	22.44	22.25	22.32	24	1
10	16QAM	1	25	22.42	22.45	22.49	22.40		
10	16QAM	1	49	22.33	22.46	22.32	22.41		
10	16QAM	25	0	21.30	21.52	21.30	21.30	23	2
10	16QAM	25	12	21.36	21.47	21.31	21.49		
10	16QAM	25	25	21.38	21.39	21.43	21.28		
10	16QAM	50	0	21.36	21.47	21.25	21.37		
10	64QAM	1	0	21.36	21.40	21.34	21.44	23	2
10	64QAM	1	25	21.32	21.34	21.27	21.36		
10	64QAM	1	49	21.25	21.46	21.24	21.35		
10	64QAM	25	0	20.20	20.46	20.26	20.36	22	3
10	64QAM	25	12	20.31	20.44	20.32	20.39		
10	64QAM	25	25	20.34	20.55	20.41	20.37		
10	64QAM	50	0	20.30	20.43	20.33	20.25		
10	256QAM	1	0	18.30	18.46	18.43	18.22	20	5
10	256QAM	1	25	18.34	18.45	18.46	18.36		
10	256QAM	1	49	18.41	18.42	18.30	18.27		
10	256QAM	25	0	18.38	18.42	18.41	18.38	20	5
10	256QAM	25	12	18.35	18.40	18.32	18.32		
10	256QAM	25	25	18.41	18.48	18.36	18.41		
10	256QAM	50	0	18.29	18.47	18.41	18.44		
Channel				55265	55810	56170	56715	Tune-up limit	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	23.23	23.42	23.21	23.20	25	0
5	QPSK	1	12	23.22	23.33	23.25	23.24		
5	QPSK	1	24	23.41	23.33	23.24	23.25		
5	QPSK	12	0	22.32	22.50	22.36	22.41	24	1
5	QPSK	12	7	22.35	22.40	22.39	22.42		
5	QPSK	12	13	22.28	22.45	22.34	22.34		
5	QPSK	25	0	22.27	22.47	22.32	22.45		
5	16QAM	1	0	22.34	22.51	22.31	22.40	24	1
5	16QAM	1	12	22.39	22.47	22.50	22.41		
5	16QAM	1	24	22.28	22.42	22.32	22.47		
5	16QAM	12	0	21.28	21.48	21.33	21.31	23	2
5	16QAM	12	7	21.34	21.55	21.31	21.41		
5	16QAM	12	13	21.33	21.40	21.41	21.32		
5	16QAM	25	0	21.28	21.43	21.29	21.34		
5	64QAM	1	0	21.25	21.46	21.32	21.47	23	2
5	64QAM	1	12	21.30	21.43	21.31	21.34		
5	64QAM	1	24	21.31	21.52	21.30	21.31		
5	64QAM	12	0	20.24	20.43	20.26	20.39	22	3
5	64QAM	12	7	20.22	20.50	20.29	20.39		
5	64QAM	12	13	20.37	20.53	20.43	20.26		
5	64QAM	25	0	20.40	20.54	20.31	20.30		
5	256QAM	1	0	18.29	18.37	18.38	18.24	20	5
5	256QAM	1	12	18.32	18.44	18.38	18.38		
5	256QAM	1	24	18.36	18.38	18.32	18.25		
5	256QAM	12	0	18.40	18.41	18.35	18.34	20	5
5	256QAM	12	7	18.37	18.50	18.32	18.26		
5	256QAM	12	13	18.47	18.44	18.41	18.36		
5	256QAM	25	0	18.39	18.43	18.34	18.38		

Reduced Power Mode for DSI4_Main PA

GSM850 Ant0 DSI4

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.51	33.28	33.61	34.00	24.51	24.28	24.61	25.00
GPRS 1 Tx slot	33.61	33.38	33.69	34.00	24.61	24.38	24.69	25.00
GPRS 2 Tx slots	30.48	30.49	30.39	31.00	24.48	24.49	24.39	25.00
GPRS 3 Tx slots	28.60	28.67	28.81	29.20	24.34	24.41	24.55	24.94
GPRS 4 Tx slots	26.88	26.89	26.81	28.00	23.88	23.89	23.81	25.00
EDGE 1 Tx slot	26.75	27.23	27.04	28.00	17.75	18.23	18.04	19.00
EDGE 2 Tx slots	23.94	24.39	24.22	25.00	17.94	18.39	18.22	19.00
EDGE 3 Tx slots	22.15	22.45	22.34	23.20	17.89	18.19	18.08	18.94
EDGE 4 Tx slots	20.31	20.81	20.34	22.00	17.31	17.81	17.34	19.00

WCDMA V Ant0 DSI4

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.31	24.40	24.26	25.00
3GPP Rel 99	RMC 12.2Kbps	24.41	24.43	24.37	25.00
3GPP Rel 6	HSDPA Subtest-1	23.47	23.43	23.43	24.00
3GPP Rel 6	HSDPA Subtest-2	23.42	23.48	23.43	24.00
3GPP Rel 6	HSDPA Subtest-3	22.90	22.96	22.92	23.50
3GPP Rel 6	HSDPA Subtest-4	22.89	22.99	22.89	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.46	23.40	23.37	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.38	23.40	23.36	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.87	22.93	22.92	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.92	22.92	22.88	23.50
3GPP Rel 6	HSUPA Subtest-1	23.39	23.43	23.36	24.00
3GPP Rel 6	HSUPA Subtest-2	21.46	21.45	21.33	22.00
3GPP Rel 6	HSUPA Subtest-3	22.38	22.39	22.38	23.00
3GPP Rel 6	HSUPA Subtest-4	21.44	21.47	21.39	22.00
3GPP Rel 6	HSUPA Subtest-5	23.42	23.41	23.36	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.94	20.98	20.91	21.50

Band 5 Ant0 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	25.17	25.25	25.18	25.7	0
10	QPSK	1	25	25.04	25.20	25.08		
10	QPSK	1	49	25.04	25.17	25.14		
10	QPSK	25	0	24.13	24.28	24.12	24.7	1
10	QPSK	25	12	24.06	24.24	24.13		
10	QPSK	25	25	24.03	24.14	24.10		
10	QPSK	50	0	24.22	24.27	24.21		
10	16QAM	1	0	24.12	24.26	24.23	24.7	1
10	16QAM	1	25	24.05	24.14	24.09		
10	16QAM	1	49	24.00	24.18	24.18		
10	16QAM	25	0	23.18	23.27	23.18	23.7	2
10	16QAM	25	12	23.08	23.30	23.12		
10	16QAM	25	25	22.99	23.10	23.14		
10	16QAM	50	0	23.28	23.21	23.24		
10	64QAM	1	0	23.08	23.27	23.27	23.7	2
10	64QAM	1	25	22.99	23.09	23.06		
10	64QAM	1	49	23.01	23.22	23.21		
10	64QAM	25	0	22.13	22.22	22.08	22.7	3
10	64QAM	25	12	22.00	22.25	22.11		
10	64QAM	25	25	22.06	22.11	22.14		
10	64QAM	50	0	22.16	22.23	22.18		
10	256QAM	1	0	20.16	20.33	20.15	20.7	5
10	256QAM	1	25	20.05	20.20	20.08		
10	256QAM	1	49	20.07	20.10	20.05		
10	256QAM	25	0	20.26	20.32	20.21	20.7	5
10	256QAM	25	12	20.09	20.24	20.18		
10	256QAM	25	25	20.01	20.13	20.05		
10	256QAM	50	0	20.03	20.17	20.18		
Channel				20425	20525	20625	Tune-up limit	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	25.08	25.14	25.10	25.7	0
5	QPSK	1	12	24.98	25.09	25.04		
5	QPSK	1	24	24.95	25.04	25.06		
5	QPSK	12	0	24.10	24.23	24.05	24.7	1
5	QPSK	12	7	23.95	24.17	24.09		
5	QPSK	12	13	23.98	24.03	24.00		
5	QPSK	25	0	24.18	24.17	24.09		
5	16QAM	1	0	24.01	24.14	24.15	24.7	1
5	16QAM	1	12	24.01	24.10	24.04		
5	16QAM	1	24	23.91	24.07	24.14		
5	16QAM	12	0	23.10	23.20	23.05	23.7	2
5	16QAM	12	7	23.05	23.17	23.02		
5	16QAM	12	13	22.95	23.04	23.03		
5	16QAM	25	0	23.21	23.09	23.22		
5	64QAM	1	0	23.02	23.23	23.16	23.7	2
5	64QAM	1	12	22.96	22.96	22.93		
5	64QAM	1	24	22.97	23.12	23.13		
5	64QAM	12	0	22.10	22.17	22.05	22.7	3
5	64QAM	12	7	21.95	22.19	22.04		
5	64QAM	12	13	22.00	22.06	22.11		
5	64QAM	25	0	22.03	22.10	22.13		
5	256QAM	1	0	20.06	20.25	20.04	20.7	5
5	256QAM	1	12	19.94	20.15	20.05		
5	256QAM	1	24	19.96	20.01	20.00		
5	256QAM	12	0	20.14	20.19	20.19	20.7	5
5	256QAM	12	7	20.05	20.13	20.14		
5	256QAM	12	13	19.98	20.03	19.95		
5	256QAM	25	0	19.99	20.08	20.14		
Channel				20415	20525	20635	Tune-up limit	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	25.08	25.20	25.15	25.7	0
3	QPSK	1	8	24.93	25.14	25.01		
3	QPSK	1	14	24.95	25.08	25.01		
3	QPSK	8	0	24.09	24.19	24.05	24.7	1
3	QPSK	8	4	24.04	24.14	24.02		
3	QPSK	8	7	24.00	24.01	23.97		
3	QPSK	15	0	24.18	24.14	24.15		
3	16QAM	1	0	24.02	24.20	24.14	24.7	1
3	16QAM	1	8	23.94	24.05	24.00		
3	16QAM	1	14	23.86	24.10	24.12		
3	16QAM	8	0	23.09	23.21	23.11	23.7	2
3	16QAM	8	4	22.96	23.19	23.03		
3	16QAM	8	7	22.89	23.04	23.08		
3	16QAM	15	0	23.14	23.16	23.12		
3	64QAM	1	0	22.96	23.13	23.22	23.7	2
3	64QAM	1	8	22.97	23.01	23.00		
3	64QAM	1	14	22.92	23.17	23.11		
3	64QAM	8	0	22.01	22.11	21.96	22.7	3
3	64QAM	8	4	21.88	22.19	22.02		
3	64QAM	8	7	22.00	22.05	22.12		
3	64QAM	15	0	22.07	22.20	22.13		
3	256QAM	1	0	20.08	20.29	20.08	20.7	5
3	256QAM	1	8	20.02	20.16	20.02		
3	256QAM	1	14	20.05	19.98	19.92		
3	256QAM	8	0	20.24	20.26	20.16	20.7	5
3	256QAM	8	4	20.06	20.18	20.14		
3	256QAM	8	7	19.95	20.06	19.96		
3	256QAM	15	0	19.96	20.12	20.04		
Channel				20407	20525	20643	Tune-up limit	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	25.05	25.12	25.04	25.7	0
1.4	QPSK	1	3	24.98	25.09	24.99		
1.4	QPSK	1	5	24.95	25.07	25.03		
1.4	QPSK	3	0	24.98	25.00	24.94		
1.4	QPSK	3	1	24.94	25.05	24.91		
1.4	QPSK	3	3	24.89	24.94	24.94		
1.4	QPSK	6	0	24.09	24.14	24.16	24.7	1
1.4	16QAM	1	0	24.01	24.22	24.12	24.7	1
1.4	16QAM	1	3	23.92	24.10	24.05		
1.4	16QAM	1	5	23.94	24.16	24.15		
1.4	16QAM	3	0	24.00	24.03	24.14		
1.4	16QAM	3	1	23.89	24.10	24.04		
1.4	16QAM	3	3	23.86	24.07	23.92		
1.4	16QAM	6	0	23.23	23.12	23.18	23.7	2
1.4	64QAM	1	0	22.97	23.18	23.15	23.7	2
1.4	64QAM	1	3	22.96	22.95	23.04		
1.4	64QAM	1	5	22.97	23.18	23.17		
1.4	64QAM	3	0	23.16	23.09	23.07		
1.4	64QAM	3	1	22.93	23.09	23.01		
1.4	64QAM	3	3	22.91	22.88	22.99		
1.4	64QAM	6	0	22.04	22.10	22.09	22.7	3
1.4	256QAM	1	0	20.08	20.29	20.07	20.7	5
1.4	256QAM	1	3	20.00	20.15	19.99		
1.4	256QAM	1	5	19.99	20.05	19.99		
1.4	256QAM	3	0	20.14	20.20	20.19		
1.4	256QAM	3	1	19.99	20.19	20.13		
1.4	256QAM	3	3	19.97	20.05	19.98		
1.4	256QAM	6	0	19.90	20.14	20.05	20.7	5

Band 12 Ant0 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	25.10	25.16	25.14	25.7	0
10	QPSK	1	25	24.96	25.10	25.12		
10	QPSK	1	49	25.04	25.08	25.01		
10	QPSK	25	0	24.16	24.18	24.16	24.7	1
10	QPSK	25	12	24.00	24.15	24.13		
10	QPSK	25	25	24.01	24.08	24.02		
10	QPSK	50	0	24.15	24.16	24.09		
10	16QAM	1	0	24.09	24.14	24.12	24.7	1
10	16QAM	1	25	23.92	24.13	24.08		
10	16QAM	1	49	24.02	24.06	24.05		
10	16QAM	25	0	23.12	23.20	23.19	23.7	2
10	16QAM	25	12	22.95	23.09	23.11		
10	16QAM	25	25	22.99	23.02	23.02		
10	16QAM	50	0	23.11	23.16	23.14		
10	64QAM	1	0	23.12	23.20	23.10	23.7	2
10	64QAM	1	25	22.96	23.17	23.06		
10	64QAM	1	49	23.03	23.09	23.02		
10	64QAM	25	0	22.18	22.18	22.16	22.7	3
10	64QAM	25	12	21.96	22.15	22.17		
10	64QAM	25	25	21.99	22.10	22.01		
10	64QAM	50	0	22.19	22.19	22.04		
10	256QAM	1	0	20.13	20.14	20.14	20.7	5
10	256QAM	1	25	20.03	20.13	20.18		
10	256QAM	1	49	20.00	20.12	19.99		
10	256QAM	25	0	20.13	20.13	20.08	20.7	5
10	256QAM	25	12	20.13	20.20	20.13		
10	256QAM	25	25	19.86	20.08	20.03		
10	256QAM	50	0	20.06	20.05	20.10		
Channel				23035	23095	23155	Tune-up limit	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	25.07	25.07	25.07	25.7	0
5	QPSK	1	12	24.89	25.03	24.99		
5	QPSK	1	24	24.94	25.02	24.91		
5	QPSK	12	0	24.13	24.04	24.04	24.7	1
5	QPSK	12	7	23.96	24.02	24.04		
5	QPSK	12	13	23.97	23.99	23.92		
5	QPSK	25	0	24.02	24.04	23.95		
5	16QAM	1	0	24.03	24.09	24.07	24.7	1
5	16QAM	1	12	23.82	24.11	24.05		
5	16QAM	1	24	24.00	23.95	24.02		
5	16QAM	12	0	23.05	23.10	23.16	23.7	2
5	16QAM	12	7	22.90	23.06	23.06		
5	16QAM	12	13	22.86	22.89	22.92		
5	16QAM	25	0	23.06	23.09	23.03		
5	64QAM	1	0	23.09	23.18	23.08	23.7	2
5	64QAM	1	12	22.90	23.11	22.95		
5	64QAM	1	24	22.95	23.06	22.99		
5	64QAM	12	0	22.07	22.12	22.12	22.7	3
5	64QAM	12	7	21.93	22.11	22.09		
5	64QAM	12	13	21.93	22.02	21.87		
5	64QAM	25	0	22.09	22.16	22.01		
5	256QAM	1	0	20.01	20.07	20.06	20.7	5
5	256QAM	1	12	19.95	20.02	20.15		
5	256QAM	1	24	19.90	20.08	19.92		
5	256QAM	12	0	20.04	20.10	20.01	20.7	5
5	256QAM	12	7	20.02	20.16	20.07		
5	256QAM	12	13	19.76	19.95	19.92		
5	256QAM	25	0	19.97	19.91	19.99		
Channel				23025	23095	23165	Tune-up limit	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	25.06	25.07	25.12	25.7	0
3	QPSK	1	8	24.88	25.03	25.00		
3	QPSK	1	14	25.01	25.03	24.99		
3	QPSK	8	0	24.02	24.05	24.02	24.7	1
3	QPSK	8	4	23.94	24.05	24.04		
3	QPSK	8	7	23.96	24.05	23.96		
3	QPSK	15	0	24.11	24.13	24.06		
3	16QAM	1	0	24.01	24.00	24.08	24.7	1
3	16QAM	1	8	23.88	24.05	23.97		
3	16QAM	1	14	24.00	23.95	23.96		
3	16QAM	8	0	23.00	23.16	23.06	23.7	2
3	16QAM	8	4	22.83	22.99	23.04		
3	16QAM	8	7	22.89	22.99	22.98		
3	16QAM	15	0	22.97	23.11	23.04		
3	64QAM	1	0	23.05	23.17	22.99	23.7	2
3	64QAM	1	8	22.87	23.11	22.92		
3	64QAM	1	14	22.99	23.07	22.89		
3	64QAM	8	0	22.05	22.13	22.03	22.7	3
3	64QAM	8	4	21.85	22.05	22.12		
3	64QAM	8	7	21.86	21.99	21.96		
3	64QAM	15	0	22.08	22.07	21.94		
3	256QAM	1	0	20.01	20.09	20.04	20.7	5
3	256QAM	1	8	19.98	20.00	20.10		
3	256QAM	1	14	19.96	20.10	19.95		
3	256QAM	8	0	20.08	20.05	19.95	20.7	5
3	256QAM	8	4	20.00	20.12	20.08		
3	256QAM	8	7	19.76	19.96	19.95		
3	256QAM	15	0	20.03	19.92	20.07		
Channel				23017	23095	23173	Tune-up limit	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	25.00	25.08	25.06	25.7	0
1.4	QPSK	1	3	24.93	24.97	25.06		
1.4	QPSK	1	5	24.95	24.97	24.93		
1.4	QPSK	3	0	24.95	25.00	24.96		
1.4	QPSK	3	1	24.82	24.84	25.00		
1.4	QPSK	3	3	24.82	24.90	24.89		
1.4	QPSK	6	0	24.01	24.05	23.95	24.7	1
1.4	16QAM	1	0	24.01	24.05	24.03	24.7	1
1.4	16QAM	1	3	23.87	24.08	24.04		
1.4	16QAM	1	5	23.94	24.02	24.03		
1.4	16QAM	3	0	23.98	23.99	23.85		
1.4	16QAM	3	1	23.99	23.92	23.97		
1.4	16QAM	3	3	23.76	24.06	23.92		
1.4	16QAM	6	0	23.01	23.10	23.10	23.7	2
1.4	64QAM	1	0	23.03	23.13	23.03	23.7	2
1.4	64QAM	1	3	22.93	23.12	23.03		
1.4	64QAM	1	5	22.92	23.07	22.94		
1.4	64QAM	3	0	22.95	22.99	23.07		
1.4	64QAM	3	1	22.91	23.01	23.00		
1.4	64QAM	3	3	22.81	22.99	22.90		
1.4	64QAM	6	0	22.06	22.16	21.93	22.7	3
1.4	256QAM	1	0	20.03	20.05	20.08	20.7	5
1.4	256QAM	1	3	19.91	20.01	20.10		
1.4	256QAM	1	5	19.86	20.02	19.96		
1.4	256QAM	3	0	20.10	20.05	19.99		
1.4	256QAM	3	1	20.08	20.10	20.00		
1.4	256QAM	3	3	19.77	19.98	19.94		
1.4	256QAM	6	0	19.99	19.93	20.01	20.7	5

Band 13 Ant0 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					23230			
Frequency (MHz)					782			
10	QPSK	1	0		25.14		25.7	0
10	QPSK	1	25		25.07			
10	QPSK	1	49		25.04			
10	QPSK	25	0		24.16		24.7	1
10	QPSK	25	12		24.14			
10	QPSK	25	25		24.01			
10	QPSK	50	0		24.15			
10	16QAM	1	0		24.06		24.7	1
10	16QAM	1	25		24.13			
10	16QAM	1	49		24.07			
10	16QAM	25	0		23.17		23.7	2
10	16QAM	25	12		23.04			
10	16QAM	25	25		23.02			
10	16QAM	50	0		23.18			
10	64QAM	1	0		23.20		23.7	2
10	64QAM	1	25		23.13			
10	64QAM	1	49		23.02			
10	64QAM	25	0		22.20		22.7	3
10	64QAM	25	12		22.10			
10	64QAM	25	25		22.04			
10	64QAM	50	0		22.16			
10	256QAM	1	0		20.15		20.7	5
10	256QAM	1	25		20.08			
10	256QAM	1	49		20.16			
10	256QAM	25	0		20.16		20.7	5
10	256QAM	25	12		20.24			
10	256QAM	25	25		20.04			
10	256QAM	50	0		20.02			
Channel				23205	23230	23255	Tune-up limit	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	25.09	25.10	25.06	25.7	0
5	QPSK	1	12	24.97	24.98	24.99		
5	QPSK	1	24	24.96	25.02	24.94		
5	QPSK	12	0	24.13	24.12	24.14	24.7	1
5	QPSK	12	7	24.10	24.04	24.14		
5	QPSK	12	13	23.93	23.93	23.92		
5	QPSK	25	0	24.09	24.05	24.13		
5	16QAM	1	0	23.94	23.95	24.03	24.7	1
5	16QAM	1	12	24.04	24.12	24.07		
5	16QAM	1	24	24.03	23.95	24.00		
5	16QAM	12	0	23.14	23.16	23.17	23.7	2
5	16QAM	12	7	22.95	23.00	23.04		
5	16QAM	12	13	23.00	22.95	23.01		
5	16QAM	25	0	23.17	23.07	23.06		
5	64QAM	1	0	23.18	23.10	23.10	23.7	2
5	64QAM	1	12	23.04	23.11	23.12		
5	64QAM	1	24	22.97	22.91	22.93		
5	64QAM	12	0	22.18	22.14	22.10	22.7	3
5	64QAM	12	7	22.03	22.01	22.03		
5	64QAM	12	13	22.00	22.01	21.93		
5	64QAM	25	0	22.10	22.11	22.12		
5	256QAM	1	0	20.09	20.13	20.10	20.7	5
5	256QAM	1	12	20.06	20.00	20.04		
5	256QAM	1	24	20.08	20.05	20.10		
5	256QAM	12	0	20.11	20.16	20.11	20.7	5
5	256QAM	12	7	20.17	20.16	20.20		
5	256QAM	12	13	19.99	20.02	19.97		
5	256QAM	25	0	19.96	20.00	19.91		

Band 17 Ant0 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	25.19	25.27	25.22	25.7	0
10	QPSK	1	25	25.07	25.15	25.20		
10	QPSK	1	49	25.14	25.13	25.12		
10	QPSK	25	0	24.24	24.28	24.22	24.7	1
10	QPSK	25	12	24.07	24.22	24.19		
10	QPSK	25	25	24.04	24.13	24.14		
10	QPSK	50	0	24.18	24.25	24.16		
10	16QAM	1	0	24.22	24.16	24.25	24.7	1
10	16QAM	1	25	24.00	24.18	24.14		
10	16QAM	1	49	24.06	24.09	24.13		
10	16QAM	25	0	23.15	23.28	23.28	23.7	2
10	16QAM	25	12	23.02	23.19	23.19		
10	16QAM	25	25	23.08	23.07	23.13		
10	16QAM	50	0	23.23	23.28	23.18		
10	64QAM	1	0	23.24	23.25	23.21	23.7	2
10	64QAM	1	25	23.08	23.19	23.13		
10	64QAM	1	49	23.16	23.19	23.08		
10	64QAM	25	0	22.23	22.21	22.21	22.7	3
10	64QAM	25	12	22.00	22.19	22.30		
10	64QAM	25	25	22.03	22.17	22.13		
10	64QAM	50	0	22.32	22.30	22.07		
10	256QAM	1	0	20.24	20.18	20.20	20.7	5
10	256QAM	1	25	20.12	20.17	20.28		
10	256QAM	1	49	20.09	20.20	20.07		
10	256QAM	25	0	20.16	20.26	20.18	20.7	5
10	256QAM	25	12	20.20	20.31	20.27		
10	256QAM	25	25	19.92	20.19	20.14		
10	256QAM	50	0	20.19	20.13	20.17		
Channel				23755	23790	23825	Tune-up limit	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	25.07	25.14	25.13	25.7	0
5	QPSK	1	12	25.05	25.07	25.07		
5	QPSK	1	24	25.11	25.08	25.03		
5	QPSK	12	0	24.14	24.17	24.08	24.7	1
5	QPSK	12	7	23.93	24.20	24.11		
5	QPSK	12	13	23.97	24.03	24.05		
5	QPSK	25	0	24.07	24.18	24.14		
5	16QAM	1	0	24.14	24.12	24.19	24.7	1
5	16QAM	1	12	23.95	24.14	24.00		
5	16QAM	1	24	23.94	24.00	24.06		
5	16QAM	12	0	23.03	23.23	23.25	23.7	2
5	16QAM	12	7	22.89	23.15	23.11		
5	16QAM	12	13	23.01	23.05	23.02		
5	16QAM	25	0	23.13	23.25	23.15		
5	64QAM	1	0	23.19	23.17	23.15	23.7	2
5	64QAM	1	12	22.98	23.14	23.07		
5	64QAM	1	24	23.08	23.07	22.94		
5	64QAM	12	0	22.13	22.11	22.16	22.7	3
5	64QAM	12	7	21.94	22.12	22.26		
5	64QAM	12	13	21.97	22.14	22.03		
5	64QAM	25	0	22.26	22.28	21.95		
5	256QAM	1	0	20.13	20.10	20.16	20.7	5
5	256QAM	1	12	20.08	20.10	20.20		
5	256QAM	1	24	20.00	20.10	19.96		
5	256QAM	12	0	20.10	20.21	20.07	20.7	5
5	256QAM	12	7	20.12	20.26	20.17		
5	256QAM	12	13	19.83	20.16	20.02		
5	256QAM	25	0	20.15	20.06	20.03		

Band 26 Ant0 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	24.95	25.04	25.01	25.7	0
15	QPSK	1	37	24.82	24.94	24.97		
15	QPSK	1	74	24.89	24.90	24.89		
15	QPSK	36	0	24.07	24.12	23.96	24.7	1
15	QPSK	36	20	23.84	24.04	23.99		
15	QPSK	36	39	23.84	23.95	23.99		
15	QPSK	75	0	23.98	24.05	23.94		
15	16QAM	1	0	24.08	24.00	24.11	24.7	1
15	16QAM	1	37	23.74	24.03	23.95		
15	16QAM	1	74	23.87	23.85	23.91		
15	16QAM	36	0	22.93	23.10	23.12	23.7	2
15	16QAM	36	20	22.87	22.98	22.99		
15	16QAM	36	39	22.86	22.92	22.98		
15	16QAM	75	0	23.04	23.04	22.93		
15	64QAM	1	0	23.02	23.00	23.00	23.7	2
15	64QAM	1	37	22.87	23.00	22.91		
15	64QAM	1	74	22.92	22.96	22.91		
15	64QAM	36	0	22.05	21.99	22.03	22.7	3
15	64QAM	36	20	21.78	22.04	22.14		
15	64QAM	36	39	21.85	21.97	21.92		
15	64QAM	75	0	22.13	22.12	21.84		
15	256QAM	1	0	20.05	19.97	20.05	20.7	5
15	256QAM	1	37	19.91	19.97	20.05		
15	256QAM	1	74	19.92	19.96	19.89		
15	256QAM	36	0	19.92	20.12	20.00	20.7	5
15	256QAM	36	20	19.97	20.08	20.01		
15	256QAM	36	39	19.66	20.00	19.92		
15	256QAM	75	0	19.94	19.88	19.94		
Channel				26740	26865	26990	Tune-up limit	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	24.83	24.92	24.97	25.7	0
10	QPSK	1	25	24.72	24.90	24.86		
10	QPSK	1	49	24.80	24.85	24.82		
10	QPSK	25	0	24.05	24.10	23.87	24.7	1
10	QPSK	25	12	23.81	23.96	23.95		
10	QPSK	25	25	23.76	23.89	23.96		
10	QPSK	50	0	23.93	24.00	23.94		
10	16QAM	1	0	24.01	23.92	24.10	24.7	1
10	16QAM	1	25	23.64	23.94	23.87		
10	16QAM	1	49	23.84	23.83	23.91		
10	16QAM	25	0	22.89	22.99	23.09	23.7	2
10	16QAM	25	12	22.81	22.87	22.97		
10	16QAM	25	25	22.77	22.89	22.86		
10	16QAM	50	0	22.98	23.01	22.88		
10	64QAM	1	0	22.96	22.89	23.00	23.7	2
10	64QAM	1	25	22.78	22.93	22.80		
10	64QAM	1	49	22.86	22.87	22.90		
10	64QAM	25	0	21.94	21.88	21.95	22.7	3
10	64QAM	25	12	21.70	21.99	22.04		
10	64QAM	25	25	21.76	21.96	21.81		
10	64QAM	50	0	22.12	22.11	21.73		
10	256QAM	1	0	19.95	19.90	20.00	20.7	5
10	256QAM	1	25	19.89	19.97	20.02		
10	256QAM	1	49	19.85	19.88	19.79		
10	256QAM	25	0	19.80	20.00	19.97	20.7	5
10	256QAM	25	12	19.92	20.04	19.98		
10	256QAM	25	25	19.60	19.92	19.85		
10	256QAM	50	0	19.83	19.85	19.82		
Channel				26715	26865	27015	Tune-up limit	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	24.91	24.93	24.97	25.7	0
5	QPSK	1	12	24.80	24.89	24.87		
5	QPSK	1	24	24.77	24.81	24.78		
5	QPSK	12	0	24.03	24.12	23.93	24.7	1
5	QPSK	12	7	23.84	24.02	23.87		
5	QPSK	12	13	23.83	23.95	23.88		
5	QPSK	25	0	23.91	24.04	23.94		
5	16QAM	1	0	24.01	23.95	24.02	24.7	1
5	16QAM	1	12	23.73	23.92	23.87		
5	16QAM	1	24	23.82	23.79	23.86		
5	16QAM	12	0	22.91	23.00	23.07	23.7	2
5	16QAM	12	7	22.83	22.92	22.97		
5	16QAM	12	13	22.85	22.87	22.88		
5	16QAM	25	0	23.00	22.96	22.90		
5	64QAM	1	0	22.98	22.88	22.98	23.7	2
5	64QAM	1	12	22.85	22.93	22.88		
5	64QAM	1	24	22.84	22.95	22.87		
5	64QAM	12	0	22.03	21.87	21.92	22.7	3
5	64QAM	12	7	21.72	21.92	22.02		
5	64QAM	12	13	21.73	21.92	21.80		
5	64QAM	25	0	22.05	22.01	21.74		
5	256QAM	1	0	19.94	19.92	20.05	20.7	5
5	256QAM	1	12	19.88	19.92	20.04		
5	256QAM	1	24	19.80	19.87	19.86		
5	256QAM	12	0	19.85	20.07	19.98	20.7	5
5	256QAM	12	7	19.88	19.97	19.91		
5	256QAM	12	13	19.62	19.91	19.92		
5	256QAM	25	0	19.90	19.85	19.89		
Channel				26705	26865	27025	Tune-up limit	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	24.84	24.99	24.89	25.7	0
3	QPSK	1	8	24.75	24.90	24.95		
3	QPSK	1	14	24.85	24.86	24.79		
3	QPSK	8	0	24.03	24.11	23.87	24.7	1
3	QPSK	8	4	23.76	23.98	23.97		
3	QPSK	8	7	23.72	23.94	23.91		
3	QPSK	15	0	23.93	23.99	23.91		
3	16QAM	1	0	23.98	23.90	24.06	24.7	1
3	16QAM	1	8	23.68	23.97	23.89		
3	16QAM	1	14	23.83	23.81	23.88		
3	16QAM	8	0	22.83	23.10	23.04	23.7	2
3	16QAM	8	4	22.84	22.95	22.98		
3	16QAM	8	7	22.80	22.81	22.97		
3	16QAM	15	0	23.03	22.93	22.82		
3	64QAM	1	0	22.96	22.90	22.91	23.7	2
3	64QAM	1	8	22.84	22.90	22.86		
3	64QAM	1	14	22.81	22.96	22.80		
3	64QAM	8	0	22.00	21.92	21.95	22.7	3
3	64QAM	8	4	21.66	21.99	22.05		
3	64QAM	8	7	21.74	21.86	21.83		
3	64QAM	15	0	22.08	22.02	21.72		
3	256QAM	1	0	19.97	19.91	20.02	20.7	5
3	256QAM	1	8	19.85	19.88	19.98		
3	256QAM	1	14	19.89	19.85	19.77		
3	256QAM	8	0	19.83	20.03	19.95	20.7	5
3	256QAM	8	4	19.96	19.99	19.96		
3	256QAM	8	7	19.62	19.88	19.87		
3	256QAM	15	0	19.84	19.86	19.84		
Channel				26697	26865	27033	Tune-up limit	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	24.87	25.02	25.00	25.7	0
1.4	QPSK	1	3	24.72	24.88	24.89		
1.4	QPSK	1	5	24.84	24.84	24.81		
1.4	QPSK	3	0	24.83	24.99	24.94		
1.4	QPSK	3	1	24.64	24.87	24.79		
1.4	QPSK	3	3	24.77	24.73	24.73		
1.4	QPSK	6	0	23.94	24.04	23.88	24.7	1
1.4	16QAM	1	0	24.04	23.95	23.99	24.7	1
1.4	16QAM	1	3	23.66	24.00	23.89		
1.4	16QAM	1	5	23.85	23.76	23.82		
1.4	16QAM	3	0	23.90	23.97	23.78		
1.4	16QAM	3	1	23.93	23.88	23.96		
1.4	16QAM	3	3	23.63	23.92	23.80		
1.4	16QAM	6	0	22.99	22.99	22.90	23.7	2
1.4	64QAM	1	0	22.97	22.96	22.93	23.7	2
1.4	64QAM	1	3	22.83	22.97	22.81		
1.4	64QAM	1	5	22.90	22.89	22.89		
1.4	64QAM	3	0	22.88	22.93	22.87		
1.4	64QAM	3	1	22.96	22.85	22.91		
1.4	64QAM	3	3	22.76	22.96	22.76		
1.4	64QAM	6	0	22.09	22.01	21.80	22.7	3
1.4	256QAM	1	0	20.02	19.89	20.01	20.7	5
1.4	256QAM	1	3	19.86	19.94	20.03		
1.4	256QAM	1	5	19.90	19.85	19.79		
1.4	256QAM	3	0	19.89	20.08	19.92		
1.4	256QAM	3	1	19.86	20.05	19.94		
1.4	256QAM	3	3	19.58	19.89	19.84		
1.4	256QAM	6	0	19.88	19.80	19.94	20.7	5

Band 71 Ant0 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				133222	133322	133372		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	25.13	25.14	25.08	25.7	0
20	QPSK	1	49	25.06	25.11	25.00		
20	QPSK	1	99	25.12	25.07	24.98		
20	QPSK	50	0	24.17	24.19	24.11	24.7	1
20	QPSK	50	24	24.01	24.16	24.02		
20	QPSK	50	50	24.12	24.11	24.02		
20	QPSK	100	0	24.12	24.16	24.10		
20	16QAM	1	0	24.07	24.13	24.14	24.7	1
20	16QAM	1	49	24.07	24.14	23.99		
20	16QAM	1	99	24.08	24.12	23.97		
20	16QAM	50	0	23.19	23.13	23.06	23.7	2
20	16QAM	50	24	23.06	23.13	23.00		
20	16QAM	50	50	23.16	23.15	22.98		
20	16QAM	100	0	23.11	23.17	23.15		
20	64QAM	1	0	23.09	23.12	23.18	23.7	2
20	64QAM	1	49	23.12	23.14	23.02		
20	64QAM	1	99	23.06	23.13	22.99		
20	64QAM	50	0	22.20	22.18	22.08	22.7	3
20	64QAM	50	24	22.00	22.10	22.01		
20	64QAM	50	50	22.08	22.16	22.06		
20	64QAM	100	0	22.17	22.13	22.07		
20	256QAM	1	0	20.13	20.24	20.13	20.7	5
20	256QAM	1	49	20.07	20.17	20.07		
20	256QAM	1	99	20.13	20.12	20.01		
20	256QAM	50	0	20.12	20.12	20.13	20.7	5
20	256QAM	50	24	20.06	20.10	20.17		
20	256QAM	50	50	20.10	20.15	19.96		
20	256QAM	100	0	20.04	20.08	19.99		
Channel				133197	133297	133397	Tune-up limit	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	25.01	25.04	24.97	25.7	0
15	QPSK	1	37	24.96	25.01	24.91		
15	QPSK	1	74	25.03	25.04	24.94		
15	QPSK	36	0	24.07	24.13	24.03	24.7	1
15	QPSK	36	20	23.93	24.11	23.97		
15	QPSK	36	39	24.05	23.98	23.95		
15	QPSK	75	0	24.00	24.09	24.07		
15	16QAM	1	0	24.00	24.02	24.00	24.7	1
15	16QAM	1	37	23.95	24.08	23.88		
15	16QAM	1	74	23.97	24.07	23.84		
15	16QAM	36	0	23.12	23.07	23.04	23.7	2
15	16QAM	36	20	23.01	23.03	22.87		
15	16QAM	36	39	23.12	23.05	22.94		
15	16QAM	75	0	23.04	23.10	23.05		
15	64QAM	1	0	23.03	23.08	23.14	23.7	2
15	64QAM	1	37	22.99	23.10	22.93		
15	64QAM	1	74	22.95	23.00	22.89		
15	64QAM	36	0	22.16	22.06	22.05	22.7	3
15	64QAM	36	20	21.88	21.96	21.95		
15	64QAM	36	39	22.05	22.13	21.92		
15	64QAM	75	0	22.11	22.08	21.99		
15	256QAM	1	0	20.09	20.14	20.11	20.7	5
15	256QAM	1	37	19.96	20.14	20.00		
15	256QAM	1	74	19.99	20.05	19.90		
15	256QAM	36	0	20.01	20.02	20.05	20.7	5
15	256QAM	36	20	20.01	19.97	20.09		
15	256QAM	36	39	20.06	20.10	19.83		
15	256QAM	75	0	19.94	20.04	19.93		
Channel				133172	133272	133422	Tune-up limit	MPR (dB)
Frequency (MHz)				668	678	693		
10	QPSK	1	0	25.04	25.04	24.95	25.7	0
10	QPSK	1	25	25.00	25.01	24.94		
10	QPSK	1	49	25.09	24.99	24.84		
10	QPSK	25	0	24.12	24.15	24.07	24.7	1
10	QPSK	25	12	23.98	24.04	23.98		
10	QPSK	25	25	24.00	23.99	23.94		
10	QPSK	50	0	24.03	24.05	24.04		
10	16QAM	1	0	24.01	24.02	24.01	24.7	1
10	16QAM	1	25	23.95	24.02	23.88		
10	16QAM	1	49	23.96	24.06	23.83		
10	16QAM	25	0	23.15	22.99	22.96	23.7	2
10	16QAM	25	12	22.93	23.03	22.89		
10	16QAM	25	25	23.03	23.03	22.87		
10	16QAM	50	0	23.00	23.10	23.12		
10	64QAM	1	0	22.99	22.99	23.08	23.7	2
10	64QAM	1	25	23.00	23.10	22.95		
10	64QAM	1	49	22.99	22.99	22.88		
10	64QAM	25	0	22.14	22.08	21.99	22.7	3
10	64QAM	25	12	21.95	21.98	21.90		
10	64QAM	25	25	21.99	22.03	22.02		
10	64QAM	50	0	22.06	22.04	21.96		
10	256QAM	1	0	20.06	20.15	20.01	20.7	5
10	256QAM	1	25	20.02	20.12	20.03		
10	256QAM	1	49	20.03	20.00	19.91		
10	256QAM	25	0	20.05	20.07	20.05	20.7	5
10	256QAM	25	12	20.00	20.06	20.06		
10	256QAM	25	25	20.00	20.04	19.91		
10	256QAM	50	0	19.95	20.01	19.91		
Channel				133147	133247	133447	Tune-up limit	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	25.08	25.03	25.01	25.7	0
5	QPSK	1	12	24.96	25.04	24.96		
5	QPSK	1	24	25.00	24.96	24.85		
5	QPSK	12	0	24.14	24.13	23.97	24.7	1
5	QPSK	12	7	23.92	24.06	23.88		
5	QPSK	12	13	24.04	24.09	23.99		
5	QPSK	25	0	24.08	24.05	24.03		
5	16QAM	1	0	24.00	24.01	24.11	24.7	1
5	16QAM	1	12	23.97	24.05	23.88		
5	16QAM	1	24	23.99	24.00	23.92		
5	16QAM	12	0	23.11	23.06	23.01	23.7	2
5	16QAM	12	7	23.02	23.09	22.98		
5	16QAM	12	13	23.12	23.05	22.94		
5	16QAM	25	0	23.04	23.14	23.05		
5	64QAM	1	0	23.03	23.10	23.15	23.7	2
5	64QAM	1	12	23.03	23.07	22.91		
5	64QAM	1	24	23.01	23.11	22.91		
5	64QAM	12	0	22.07	22.14	22.02	22.7	3
5	64QAM	12	7	21.96	22.02	21.93		
5	64QAM	12	13	21.96	22.09	21.95		
5	64QAM	25	0	22.12	22.04	22.01		
5	256QAM	1	0	19.99	20.15	20.06	20.7	5
5	256QAM	1	12	19.94	20.08	20.04		
5	256QAM	1	24	20.09	20.03	19.96		
5	256QAM	12	0	20.07	20.04	20.05	20.7	5
5	256QAM	12	7	19.93	20.07	20.14		
5	256QAM	12	13	19.99	20.03	19.92		
5	256QAM	25	0	19.98	20.06	19.94		

GSM850 Ant1 DSI 4

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.05	33.20	33.12	34.60	24.05	24.20	24.12	25.60
GPRS 1 Tx slot	33.12	33.25	33.18	34.60	24.12	24.25	24.18	25.60
GPRS 2 Tx slots	30.28	30.37	30.31	31.60	24.28	24.37	24.31	25.60
GPRS 3 Tx slots	28.23	28.47	28.52	29.80	23.97	24.21	24.26	25.54
GPRS 4 Tx slots	26.77	27.09	26.79	28.60	23.77	24.09	23.79	25.60
EDGE 1 Tx slot	27.12	27.23	27.16	28.90	18.12	18.23	18.16	19.90
EDGE 2 Tx slots	23.79	24.01	23.70	25.50	17.79	18.01	17.70	19.50
EDGE 3 Tx slots	21.91	22.11	21.88	23.50	17.65	17.85	17.62	19.24
EDGE 4 Tx slots	19.91	20.12	20.19	21.50	16.91	17.12	17.19	18.50

WCDMA V Ant1 DSI 4

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.38	20.48	20.37	21.50
3GPP Rel 99	RMC 12.2Kbps	20.48	20.51	20.45	21.50
3GPP Rel 6	HSDPA Subtest-1	19.48	19.53	19.47	20.50
3GPP Rel 6	HSDPA Subtest-2	19.53	19.50	19.44	20.50
3GPP Rel 6	HSDPA Subtest-3	19.02	19.06	18.94	20.00
3GPP Rel 6	HSDPA Subtest-4	18.94	18.98	18.93	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.42	19.51	19.42	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.53	19.49	19.48	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.01	19.06	18.96	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.01	19.04	18.96	20.00
3GPP Rel 6	HSUPA Subtest-1	19.45	19.48	19.42	20.50
3GPP Rel 6	HSUPA Subtest-2	17.48	17.54	17.41	18.50
3GPP Rel 6	HSUPA Subtest-3	18.52	18.49	18.42	19.50
3GPP Rel 6	HSUPA Subtest-4	17.50	17.46	17.41	18.50
3GPP Rel 6	HSUPA Subtest-5	19.45	19.49	19.43	20.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.93	17.07	16.90	18.00

Band 5 Ant1 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	21.08	21.11	21.06	21.7	0
10	QPSK	1	25	21.04	21.04	20.97		
10	QPSK	1	49	20.99	21.00	21.00		
10	QPSK	25	0	20.97	21.08	21.00	21.7	0
10	QPSK	25	12	21.04	21.01	21.02		
10	QPSK	25	25	20.95	20.98	20.95		
10	QPSK	50	0	21.06	21.07	20.99		
10	16QAM	1	0	20.95	21.00	20.96	21.7	0
10	16QAM	1	25	20.95	20.91	20.89		
10	16QAM	1	49	20.89	20.89	20.95		
10	16QAM	25	0	20.94	20.95	20.92	21.7	0
10	16QAM	25	12	21.00	20.96	20.91		
10	16QAM	25	25	20.84	20.91	20.91		
10	16QAM	50	0	20.98	20.97	20.96		
10	64QAM	1	0	21.00	20.99	21.01	21.7	0
10	64QAM	1	25	20.91	20.95	20.86		
10	64QAM	1	49	20.94	20.93	20.89		
10	64QAM	25	0	20.92	20.94	20.94	21.7	0
10	64QAM	25	12	21.02	20.91	20.88		
10	64QAM	25	25	20.82	20.92	20.91		
10	64QAM	50	0	20.99	20.97	20.93		
10	256QAM	1	0	20.07	20.16	20.03	20.7	1
10	256QAM	1	25	20.08	20.05	20.01		
10	256QAM	1	49	19.97	19.94	19.96		
10	256QAM	25	0	20.00	20.10	19.96	20.7	1
10	256QAM	25	12	20.01	20.01	19.98		
10	256QAM	25	25	19.91	19.99	19.92		
10	256QAM	50	0	20.04	20.09	19.96		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	20.98	20.98	21.01	21.7	0
5	QPSK	1	12	20.92	20.90	20.89		
5	QPSK	1	24	20.94	20.95	20.89		
5	QPSK	12	0	20.93	20.98	20.94	21.7	0
5	QPSK	12	7	21.01	20.92	20.99		
5	QPSK	12	13	20.92	20.95	20.92		
5	QPSK	25	0	21.02	20.94	20.94		
5	16QAM	1	0	20.89	20.88	20.87	21.7	0
5	16QAM	1	12	20.87	20.88	20.76		
5	16QAM	1	24	20.84	20.84	20.92		
5	16QAM	12	0	20.87	20.84	20.85	21.7	0
5	16QAM	12	7	20.94	20.86	20.86		
5	16QAM	12	13	20.81	20.80	20.87		
5	16QAM	25	0	20.96	20.89	20.90		
5	64QAM	1	0	20.94	20.91	20.99	21.7	0
5	64QAM	1	12	20.80	20.93	20.80		
5	64QAM	1	24	20.89	20.89	20.83		
5	64QAM	12	0	20.87	20.86	20.91	21.7	0
5	64QAM	12	7	20.97	20.87	20.84		
5	64QAM	12	13	20.78	20.84	20.85		
5	64QAM	25	0	20.91	20.86	20.83		
5	256QAM	1	0	20.02	20.11	19.95	20.7	1
5	256QAM	1	12	19.94	19.95	19.97		
5	256QAM	1	24	19.94	19.87	19.85		
5	256QAM	12	0	19.88	20.07	19.93	20.7	1
5	256QAM	12	7	19.95	19.97	19.95		
5	256QAM	12	13	19.87	19.92	19.87		
5	256QAM	25	0	19.96	20.06	19.93		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.00	21.06	21.04	21.7	0
3	QPSK	1	8	21.01	20.92	20.88		
3	QPSK	1	14	20.89	20.97	20.87		
3	QPSK	8	0	20.88	20.99	20.88	21.7	0
3	QPSK	8	4	20.91	20.93	20.89		
3	QPSK	8	7	20.87	20.92	20.85		
3	QPSK	15	0	21.03	20.96	20.94		
3	16QAM	1	0	20.84	20.94	20.89	21.7	0
3	16QAM	1	8	20.91	20.84	20.80		
3	16QAM	1	14	20.79	20.75	20.87		
3	16QAM	8	0	20.90	20.82	20.85	21.7	0
3	16QAM	8	4	20.97	20.87	20.84		
3	16QAM	8	7	20.77	20.88	20.87		
3	16QAM	15	0	20.95	20.87	20.86		
3	64QAM	1	0	20.89	20.88	20.94	21.7	0
3	64QAM	1	8	20.87	20.90	20.79		
3	64QAM	1	14	20.86	20.80	20.82		
3	64QAM	8	0	20.87	20.81	20.84	21.7	0
3	64QAM	8	4	20.88	20.86	20.75		
3	64QAM	8	7	20.72	20.82	20.83		
3	64QAM	15	0	20.97	20.95	20.88		
3	256QAM	1	0	20.02	20.03	19.98	20.7	1
3	256QAM	1	8	20.03	20.00	19.87		
3	256QAM	1	14	19.94	19.84	19.92		
3	256QAM	8	0	19.90	20.05	19.92	20.7	1
3	256QAM	8	4	19.89	19.91	19.90		
3	256QAM	8	7	19.83	19.86	19.83		
3	256QAM	15	0	19.93	20.06	19.91		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.05	21.01	20.96	21.7	0
1.4	QPSK	1	3	21.01	20.92	20.93		
1.4	QPSK	1	5	20.90	20.94	20.87		
1.4	QPSK	3	0	20.89	21.06	20.91		
1.4	QPSK	3	1	21.02	20.97	20.92		
1.4	QPSK	3	3	20.87	20.87	20.82		
1.4	QPSK	6	0	20.96	20.97	20.86	21.7	0
1.4	16QAM	1	0	20.86	20.93	20.94	21.7	0
1.4	16QAM	1	3	20.87	20.82	20.79		
1.4	16QAM	1	5	20.75	20.82	20.88		
1.4	16QAM	3	0	20.83	20.90	20.79		
1.4	16QAM	3	1	20.89	20.83	20.87		
1.4	16QAM	3	3	20.76	20.79	20.81		
1.4	16QAM	6	0	20.96	20.94	20.93	21.7	0
1.4	64QAM	1	0	20.94	20.93	20.95	21.7	0
1.4	64QAM	1	3	20.78	20.91	20.83		
1.4	64QAM	1	5	20.88	20.91	20.83		
1.4	64QAM	3	0	20.88	20.92	20.84		
1.4	64QAM	3	1	20.92	20.88	20.82		
1.4	64QAM	3	3	20.70	20.84	20.88		
1.4	64QAM	6	0	20.89	20.87	20.80	21.7	0
1.4	256QAM	1	0	19.97	20.09	19.97	20.7	1
1.4	256QAM	1	3	20.04	20.03	19.90		
1.4	256QAM	1	5	19.86	19.88	19.85		
1.4	256QAM	3	0	19.89	20.04	19.87		
1.4	256QAM	3	1	19.95	19.93	19.86		
1.4	256QAM	3	3	19.86	19.87	19.80		
1.4	256QAM	6	0	19.98	19.98	19.85	20.7	1

Band 12 Ant1 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	25.35	25.41	25.28	25.7	0
10	QPSK	1	25	25.22	25.37	25.15		
10	QPSK	1	49	25.25	25.35	25.19		
10	QPSK	25	0	24.32	24.45	24.29	24.7	1
10	QPSK	25	12	24.23	24.39	24.20		
10	QPSK	25	25	24.25	24.38	24.19		
10	QPSK	50	0	24.32	24.42	24.32		
10	16QAM	1	0	24.32	24.40	24.25	24.7	1
10	16QAM	1	25	24.17	24.42	24.12		
10	16QAM	1	49	24.24	24.34	24.22		
10	16QAM	25	0	23.27	23.42	23.32	23.7	2
10	16QAM	25	12	23.26	23.39	23.14		
10	16QAM	25	25	23.21	23.35	23.25		
10	16QAM	50	0	23.32	23.41	23.30		
10	64QAM	1	0	23.36	23.45	23.19	23.7	2
10	64QAM	1	25	23.18	23.38	23.06		
10	64QAM	1	49	23.22	23.37	23.18		
10	64QAM	25	0	22.35	22.45	22.32	22.7	3
10	64QAM	25	12	22.18	22.40	22.26		
10	64QAM	25	25	22.30	22.40	22.24		
10	64QAM	50	0	22.33	22.38	22.27		
10	256QAM	1	0	20.35	20.46	20.25	20.7	5
10	256QAM	1	25	20.28	20.45	20.17		
10	256QAM	1	49	20.29	20.40	20.17		
10	256QAM	25	0	20.33	20.43	20.35	20.7	5
10	256QAM	25	12	20.26	20.45	20.27		
10	256QAM	25	25	20.21	20.40	20.08		
10	256QAM	50	0	20.21	20.36	20.23		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	25.29	25.32	25.18	25.7	0
5	QPSK	1	12	25.13	25.31	25.06		
5	QPSK	1	24	25.11	25.28	25.14		
5	QPSK	12	0	24.28	24.42	24.16	24.7	1
5	QPSK	12	7	24.14	24.29	24.10		
5	QPSK	12	13	24.13	24.34	24.15		
5	QPSK	25	0	24.21	24.35	24.21		
5	16QAM	1	0	24.19	24.35	24.19	24.7	1
5	16QAM	1	12	24.05	24.35	24.06		
5	16QAM	1	24	24.15	24.31	24.14		
5	16QAM	12	0	23.15	23.34	23.24	23.7	2
5	16QAM	12	7	23.22	23.35	23.03		
5	16QAM	12	13	23.13	23.23	23.20		
5	16QAM	25	0	23.26	23.34	23.25		
5	64QAM	1	0	23.32	23.34	23.15	23.7	2
5	64QAM	1	12	23.13	23.34	23.03		
5	64QAM	1	24	23.15	23.33	23.07		
5	64QAM	12	0	22.25	22.36	22.23	22.7	3
5	64QAM	12	7	22.12	22.29	22.24		
5	64QAM	12	13	22.22	22.32	22.14		
5	64QAM	25	0	22.28	22.24	22.15		
5	256QAM	1	0	20.25	20.41	20.20	20.7	5
5	256QAM	1	12	20.17	20.41	20.05		
5	256QAM	1	24	20.26	20.29	20.08		
5	256QAM	12	0	20.19	20.37	20.32	20.7	5
5	256QAM	12	7	20.24	20.38	20.19		
5	256QAM	12	13	20.09	20.30	20.06		
5	256QAM	25	0	20.17	20.33	20.15		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	25.27	25.36	25.22	25.7	0
3	QPSK	1	8	25.10	25.24	25.01		
3	QPSK	1	14	25.18	25.21	25.17		
3	QPSK	8	0	24.25	24.33	24.21	24.7	1
3	QPSK	8	4	24.09	24.29	24.10		
3	QPSK	8	7	24.16	24.33	24.17		
3	QPSK	15	0	24.22	24.38	24.25		
3	16QAM	1	0	24.19	24.29	24.22	24.7	1
3	16QAM	1	8	24.10	24.37	24.03		
3	16QAM	1	14	24.16	24.29	24.19		
3	16QAM	8	0	23.21	23.29	23.25	23.7	2
3	16QAM	8	4	23.19	23.35	23.05		
3	16QAM	8	7	23.15	23.30	23.20		
3	16QAM	15	0	23.19	23.31	23.27		
3	64QAM	1	0	23.26	23.39	23.12	23.7	2
3	64QAM	1	8	23.06	23.35	22.95		
3	64QAM	1	14	23.18	23.33	23.11		
3	64QAM	8	0	22.24	22.35	22.23	22.7	3
3	64QAM	8	4	22.14	22.28	22.18		
3	64QAM	8	7	22.21	22.32	22.16		
3	64QAM	15	0	22.27	22.35	22.23		
3	256QAM	1	0	20.28	20.40	20.19	20.7	5
3	256QAM	1	8	20.19	20.35	20.15		
3	256QAM	1	14	20.27	20.29	20.10		
3	256QAM	8	0	20.20	20.36	20.28	20.7	5
3	256QAM	8	4	20.15	20.43	20.25		
3	256QAM	8	7	20.14	20.34	20.01		
3	256QAM	15	0	20.08	20.32	20.10		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	25.24	25.35	25.22	25.7	0
1.4	QPSK	1	3	25.12	25.32	25.07		
1.4	QPSK	1	5	25.12	25.31	25.12		
1.4	QPSK	3	0	25.14	25.25	25.18		
1.4	QPSK	3	1	25.05	25.23	24.95		
1.4	QPSK	3	3	24.99	25.19	25.01		
1.4	QPSK	6	0	24.20	24.32	24.28	24.7	1
1.4	16QAM	1	0	24.28	24.29	24.21	24.7	1
1.4	16QAM	1	3	24.06	24.37	24.01		
1.4	16QAM	1	5	24.10	24.20	24.17		
1.4	16QAM	3	0	24.07	24.24	24.18		
1.4	16QAM	3	1	24.18	24.24	24.07		
1.4	16QAM	3	3	24.04	24.33	23.92		
1.4	16QAM	6	0	23.26	23.30	23.20	23.7	2
1.4	64QAM	1	0	23.31	23.32	23.05	23.7	2
1.4	64QAM	1	3	23.06	23.32	22.99		
1.4	64QAM	1	5	23.19	23.33	23.08		
1.4	64QAM	3	0	23.16	23.23	23.06		
1.4	64QAM	3	1	23.28	23.19	22.94		
1.4	64QAM	3	3	22.96	23.25	22.91		
1.4	64QAM	6	0	22.20	22.31	22.21	22.7	3
1.4	256QAM	1	0	20.28	20.34	20.13	20.7	5
1.4	256QAM	1	3	20.15	20.42	20.09		
1.4	256QAM	1	5	20.23	20.35	20.03		
1.4	256QAM	3	0	20.25	20.37	20.32		
1.4	256QAM	3	1	20.16	20.38	20.18		
1.4	256QAM	3	3	20.11	20.38	19.97		
1.4	256QAM	6	0	20.12	20.32	20.11	20.7	5

Band 13 Ant1 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					23230			
Frequency (MHz)					782			
10	QPSK	1	0		25.54		25.7	0
10	QPSK	1	25		25.52			
10	QPSK	1	49		25.40			
10	QPSK	25	0		24.55		24.7	1
10	QPSK	25	12		24.49			
10	QPSK	25	25		24.51			
10	QPSK	50	0		24.51			
10	16QAM	1	0		24.54		24.7	1
10	16QAM	1	25		24.58			
10	16QAM	1	49		24.48			
10	16QAM	25	0		23.54		23.7	2
10	16QAM	25	12		23.45			
10	16QAM	25	25		23.50			
10	16QAM	50	0		23.49			
10	64QAM	1	0		23.51		23.7	2
10	64QAM	1	25		23.44			
10	64QAM	1	49		23.43			
10	64QAM	25	0		22.55		22.7	3
10	64QAM	25	12		22.51			
10	64QAM	25	25		22.51			
10	64QAM	50	0		22.52			
10	256QAM	1	0		20.53		20.7	5
10	256QAM	1	25		20.53			
10	256QAM	1	49		20.56			
10	256QAM	25	0		20.56		20.7	5
10	256QAM	25	12		20.58			
10	256QAM	25	25		20.44			
10	256QAM	50	0		20.48			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	25.49	25.51	25.47	25.7	0
5	QPSK	1	12	25.45	25.48	25.42		
5	QPSK	1	24	25.27	25.35	25.37		
5	QPSK	12	0	24.47	24.46	24.49	24.7	1
5	QPSK	12	7	24.36	24.41	24.39		
5	QPSK	12	13	24.42	24.45	24.38		
5	QPSK	25	0	24.46	24.40	24.47		
5	16QAM	1	0	24.46	24.48	24.45	24.7	1
5	16QAM	1	12	24.47	24.44	24.53		
5	16QAM	1	24	24.36	24.35	24.41		
5	16QAM	12	0	23.44	23.46	23.47	23.7	2
5	16QAM	12	7	23.40	23.36	23.34		
5	16QAM	12	13	23.41	23.47	23.40		
5	16QAM	25	0	23.38	23.46	23.39		
5	64QAM	1	0	23.47	23.46	23.46	23.7	2
5	64QAM	1	12	23.41	23.33	23.41		
5	64QAM	1	24	23.37	23.37	23.36		
5	64QAM	12	0	22.51	22.45	22.47	22.7	3
5	64QAM	12	7	22.47	22.48	22.43		
5	64QAM	12	13	22.46	22.47	22.48		
5	64QAM	25	0	22.48	22.47	22.48		
5	256QAM	1	0	20.50	20.44	20.50	20.7	5
5	256QAM	1	12	20.51	20.45	20.45		
5	256QAM	1	24	20.47	20.46	20.50		
5	256QAM	12	0	20.53	20.51	20.52	20.7	5
5	256QAM	12	7	20.51	20.52	20.51		
5	256QAM	12	13	20.34	20.37	20.35		
5	256QAM	25	0	20.40	20.46	20.40		

Band 17 Ant1 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	25.26	25.30	25.24	25.7	0
10	QPSK	1	25	25.20	25.23	25.18		
10	QPSK	1	49	25.15	25.20	25.15		
10	QPSK	25	0	24.23	24.35	24.25	24.7	1
10	QPSK	25	12	24.24	24.27	24.22		
10	QPSK	25	25	24.19	24.25	24.21		
10	QPSK	50	0	24.24	24.31	24.29		
10	16QAM	1	0	24.22	24.30	24.26	24.7	1
10	16QAM	1	25	24.22	24.28	24.19		
10	16QAM	1	49	24.13	24.17	24.15		
10	16QAM	25	0	23.21	23.33	23.22	23.7	2
10	16QAM	25	12	23.21	23.33	23.21		
10	16QAM	25	25	23.24	23.24	23.19		
10	16QAM	50	0	23.27	23.26	23.25		
10	64QAM	1	0	23.28	23.31	23.29	23.7	2
10	64QAM	1	25	23.17	23.25	23.18		
10	64QAM	1	49	23.16	23.18	23.18		
10	64QAM	25	0	22.23	22.35	22.29	22.7	3
10	64QAM	25	12	22.21	22.28	22.21		
10	64QAM	25	25	22.20	22.29	22.24		
10	64QAM	50	0	22.19	22.35	22.30		
10	256QAM	1	0	20.20	20.31	20.29	20.7	5
10	256QAM	1	25	20.20	20.24	20.23		
10	256QAM	1	49	20.18	20.27	20.22		
10	256QAM	25	0	20.27	20.30	20.27	20.7	5
10	256QAM	25	12	20.26	20.27	20.27		
10	256QAM	25	25	20.19	20.27	20.13		
10	256QAM	50	0	20.15	20.20	20.11		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	25.20	25.19	25.11	25.7	0
5	QPSK	1	12	25.12	25.17	25.10		
5	QPSK	1	24	25.12	25.11	25.06		
5	QPSK	12	0	24.21	24.33	24.13	24.7	1
5	QPSK	12	7	24.20	24.16	24.13		
5	QPSK	12	13	24.12	24.17	24.08		
5	QPSK	25	0	24.11	24.23	24.24		
5	16QAM	1	0	24.10	24.19	24.19	24.7	1
5	16QAM	1	12	24.18	24.19	24.06		
5	16QAM	1	24	24.07	24.04	24.06		
5	16QAM	12	0	23.12	23.24	23.13	23.7	2
5	16QAM	12	7	23.13	23.31	23.08		
5	16QAM	12	13	23.16	23.14	23.08		
5	16QAM	25	0	23.24	23.20	23.16		
5	64QAM	1	0	23.17	23.24	23.17	23.7	2
5	64QAM	1	12	23.05	23.21	23.09		
5	64QAM	1	24	23.09	23.07	23.04		
5	64QAM	12	0	22.12	22.26	22.17	22.7	3
5	64QAM	12	7	22.17	22.21	22.08		
5	64QAM	12	13	22.11	22.20	22.16		
5	64QAM	25	0	22.13	22.24	22.27		
5	256QAM	1	0	20.13	20.26	20.22	20.7	5
5	256QAM	1	12	20.08	20.17	20.11		
5	256QAM	1	24	20.06	20.19	20.20		
5	256QAM	12	0	20.14	20.25	20.25	20.7	5
5	256QAM	12	7	20.18	20.16	20.19		
5	256QAM	12	13	20.10	20.16	20.03		
5	256QAM	25	0	20.04	20.07	20.05		

Band 26 Ant1 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	22.52	22.68	22.48	22.7	0
15	QPSK	1	37	22.50	22.54	22.53		
15	QPSK	1	74	22.51	22.61	22.49		
15	QPSK	36	0	22.59	22.65	22.48	22.7	0
15	QPSK	36	20	22.52	22.60	22.50		
15	QPSK	36	39	22.56	22.61	22.45		
15	QPSK	75	0	22.50	22.58	22.48		
15	16QAM	1	0	22.52	22.57	22.56	22.7	0
15	16QAM	1	37	22.53	22.56	22.51		
15	16QAM	1	74	22.52	22.56	22.56		
15	16QAM	36	0	22.58	22.64	22.54	22.7	0
15	16QAM	36	20	22.57	22.63	22.55		
15	16QAM	36	39	22.50	22.62	22.50		
15	16QAM	75	0	22.47	22.60	22.44		
15	64QAM	1	0	22.57	22.63	22.54	22.7	0
15	64QAM	1	37	22.55	22.56	22.45		
15	64QAM	1	74	22.57	22.54	22.48		
15	64QAM	36	0	22.58	22.60	22.48	22.7	0
15	64QAM	36	20	22.51	22.64	22.46		
15	64QAM	36	39	22.50	22.59	22.49		
15	64QAM	75	0	22.56	22.54	22.51		
15	256QAM	1	0	20.57	20.55	20.47	20.7	2
15	256QAM	1	37	20.51	20.53	20.54		
15	256QAM	1	74	20.55	20.56	20.44		
15	256QAM	36	0	20.48	20.62	20.54	20.7	2
15	256QAM	36	20	20.59	20.61	20.49		
15	256QAM	36	39	20.58	20.60	20.55		
15	256QAM	75	0	20.48	20.62	20.51		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	22.42	22.38	22.39	22.7	0
10	QPSK	1	25	22.39	22.39	22.49		
10	QPSK	1	49	22.37	22.51	22.44		
10	QPSK	25	0	22.48	22.53	22.41	22.7	0
10	QPSK	25	12	22.41	22.49	22.37		
10	QPSK	25	25	22.44	22.47	22.30		
10	QPSK	50	0	22.53	22.51	22.39		
10	16QAM	1	0	22.41	22.50	22.52	22.7	0
10	16QAM	1	25	22.41	22.43	22.40		
10	16QAM	1	49	22.44	22.48	22.42		
10	16QAM	25	0	22.48	22.56	22.39	22.7	0
10	16QAM	25	12	22.50	22.49	22.42		
10	16QAM	25	25	22.37	22.51	22.41		
10	16QAM	50	0	22.36	22.49	22.38		
10	64QAM	1	0	22.43	22.52	22.41	22.7	0
10	64QAM	1	25	22.48	22.48	22.33		
10	64QAM	1	49	22.43	22.43	22.32		
10	64QAM	25	0	22.42	22.50	22.39	22.7	0
10	64QAM	25	12	22.38	22.53	22.41		
10	64QAM	25	25	22.45	22.51	22.41		
10	64QAM	50	0	22.42	22.45	22.42		
10	256QAM	1	0	20.51	20.42	20.37	20.7	2
10	256QAM	1	25	20.44	20.45	20.47		
10	256QAM	1	49	20.43	20.43	20.37		
10	256QAM	25	0	20.36	20.49	20.50	20.7	2
10	256QAM	25	12	20.54	20.56	20.39		
10	256QAM	25	25	20.51	20.54	20.39		
10	256QAM	50	0	20.37	20.53	20.40		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	22.36	22.44	22.41	22.7	0
5	QPSK	1	12	22.43	22.45	22.38		
5	QPSK	1	24	22.41	22.47	22.44		
5	QPSK	12	0	22.45	22.54	22.33	22.7	0
5	QPSK	12	7	22.48	22.49	22.45		
5	QPSK	12	13	22.41	22.51	22.40		
5	QPSK	25	0	22.47	22.45	22.43		
5	16QAM	1	0	22.42	22.45	22.44	22.7	0
5	16QAM	1	12	22.38	22.43	22.42		
5	16QAM	1	24	22.38	22.41	22.45		
5	16QAM	12	0	22.46	22.58	22.42	22.7	0
5	16QAM	12	7	22.50	22.52	22.46		
5	16QAM	12	13	22.40	22.50	22.46		
5	16QAM	25	0	22.37	22.54	22.38		
5	64QAM	1	0	22.42	22.51	22.44	22.7	0
5	64QAM	1	12	22.46	22.43	22.36		
5	64QAM	1	24	22.48	22.43	22.37		
5	64QAM	12	0	22.51	22.50	22.44	22.7	0
5	64QAM	12	7	22.45	22.60	22.33		
5	64QAM	12	13	22.42	22.45	22.42		
5	64QAM	25	0	22.42	22.49	22.46		
5	256QAM	1	0	20.47	20.47	20.32	20.7	2
5	256QAM	1	12	20.40	20.40	20.46		
5	256QAM	1	24	20.40	20.43	20.37		
5	256QAM	12	0	20.38	20.57	20.49	20.7	2
5	256QAM	12	7	20.55	20.51	20.44		
5	256QAM	12	13	20.50	20.49	20.46		
5	256QAM	25	0	20.42	20.57	20.45		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	22.38	22.46	22.37	22.7	0
3	QPSK	1	8	22.35	22.39	22.44		
3	QPSK	1	14	22.37	22.53	22.39		
3	QPSK	8	0	22.44	22.44	22.40	22.7	0
3	QPSK	8	4	22.40	22.50	22.44		
3	QPSK	8	7	22.46	22.52	22.37		
3	QPSK	15	0	22.43	22.44	22.39		
3	16QAM	1	0	22.45	22.50	22.44	22.7	0
3	16QAM	1	8	22.40	22.43	22.40		
3	16QAM	1	14	22.46	22.49	22.51		
3	16QAM	8	0	22.48	22.49	22.48	22.7	0
3	16QAM	8	4	22.49	22.53	22.44		
3	16QAM	8	7	22.36	22.57	22.38		
3	16QAM	15	0	22.43	22.49	22.29		
3	64QAM	1	0	22.45	22.49	22.45	22.7	0
3	64QAM	1	8	22.49	22.49	22.31		
3	64QAM	1	14	22.48	22.49	22.41		
3	64QAM	8	0	22.53	22.49	22.34	22.7	0
3	64QAM	8	4	22.37	22.56	22.33		
3	64QAM	8	7	22.38	22.45	22.42		
3	64QAM	15	0	22.52	22.49	22.39		
3	256QAM	1	0	20.49	20.40	20.39	20.7	2
3	256QAM	1	8	20.44	20.45	20.45		
3	256QAM	1	14	20.48	20.49	20.33		
3	256QAM	8	0	20.34	20.48	20.40	20.7	2
3	256QAM	8	4	20.54	20.56	20.35		
3	256QAM	8	7	20.48	20.55	20.45		
3	256QAM	15	0	20.38	20.55	20.38		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	22.42	22.39	22.35	22.7	0
1.4	QPSK	1	3	22.39	22.45	22.39		
1.4	QPSK	1	5	22.45	22.48	22.41		
1.4	QPSK	3	0	22.53	22.43	22.33		
1.4	QPSK	3	1	22.44	22.46	22.45		
1.4	QPSK	3	3	22.40	22.49	22.30		
1.4	QPSK	6	0	22.43	22.52	22.42	22.7	0
1.4	16QAM	1	0	22.40	22.45	22.46	22.7	0
1.4	16QAM	1	3	22.37	22.43	22.43		
1.4	16QAM	1	5	22.44	22.45	22.41		
1.4	16QAM	3	0	22.50	22.53	22.47		
1.4	16QAM	3	1	22.43	22.53	22.49		
1.4	16QAM	3	3	22.44	22.47	22.38		
1.4	16QAM	6	0	22.37	22.53	22.40	22.7	0
1.4	64QAM	1	0	22.46	22.50	22.39	22.7	0
1.4	64QAM	1	3	22.46	22.47	22.30		
1.4	64QAM	1	5	22.48	22.41	22.43		
1.4	64QAM	3	0	22.42	22.51	22.34		
1.4	64QAM	3	1	22.38	22.54	22.32		
1.4	64QAM	3	3	22.36	22.47	22.43		
1.4	64QAM	6	0	22.41	22.44	22.39	22.7	0
1.4	256QAM	1	0	20.42	20.44	20.36	20.7	2
1.4	256QAM	1	3	20.40	20.39	20.45		
1.4	256QAM	1	5	20.47	20.46	20.35		
1.4	256QAM	3	0	20.37	20.46	20.46		
1.4	256QAM	3	1	20.48	20.45	20.37		
1.4	256QAM	3	3	20.48	20.48	20.51		
1.4	256QAM	6	0	20.41	20.57	20.41	20.7	2

Band 71 Ant1 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				133222	133322	133372		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	25.28	25.35	25.32	25.4	0
20	QPSK	1	49	25.24	25.30	25.29		
20	QPSK	1	99	25.14	25.29	25.20		
20	QPSK	50	0	24.28	24.40	24.32	24.4	1
20	QPSK	50	24	24.29	24.32	24.31		
20	QPSK	50	50	24.16	24.25	24.20		
20	QPSK	100	0	24.30	24.38	24.28		
20	16QAM	1	0	24.30	24.37	24.26	24.4	1
20	16QAM	1	49	24.24	24.30	24.24		
20	16QAM	1	99	24.16	24.26	24.22		
20	16QAM	50	0	23.27	23.35	23.31	23.4	2
20	16QAM	50	24	23.34	23.31	23.26		
20	16QAM	50	50	23.16	23.23	23.16		
20	16QAM	100	0	23.34	23.37	23.33		
20	64QAM	1	0	23.29	23.22	23.26	23.4	2
20	64QAM	1	49	23.20	23.34	23.27		
20	64QAM	1	99	23.17	23.22	23.23		
20	64QAM	50	0	22.25	22.40	22.35	22.4	3
20	64QAM	50	24	22.32	22.34	22.34		
20	64QAM	50	50	22.12	22.24	22.22		
20	64QAM	100	0	22.32	22.38	22.24		
20	256QAM	1	0	20.30	20.38	20.29	20.4	5
20	256QAM	1	49	20.33	20.37	20.30		
20	256QAM	1	99	20.15	20.30	20.19		
20	256QAM	50	0	20.30	20.31	20.27	20.4	5
20	256QAM	50	24	20.35	20.22	20.23		
20	256QAM	50	50	20.21	20.31	20.24		
20	256QAM	100	0	20.18	20.29	20.17		
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	25.24	25.30	25.19	25.4	0
15	QPSK	1	37	25.18	25.26	25.22		
15	QPSK	1	74	25.10	25.17	25.17		
15	QPSK	36	0	24.17	24.36	24.18	24.4	1
15	QPSK	36	20	24.23	24.19	24.27		
15	QPSK	36	39	24.11	24.23	24.08		
15	QPSK	75	0	24.23	24.24	24.24		
15	16QAM	1	0	24.22	24.35	24.14	24.4	1
15	16QAM	1	37	24.19	24.18	24.20		
15	16QAM	1	74	24.03	24.23	24.15		
15	16QAM	36	0	23.14	23.25	23.25	23.4	2
15	16QAM	36	20	23.25	23.21	23.18		
15	16QAM	36	39	23.13	23.19	23.14		
15	16QAM	75	0	23.27	23.33	23.27		
15	64QAM	1	0	23.25	23.29	23.16	23.4	2
15	64QAM	1	37	23.12	23.26	23.18		
15	64QAM	1	74	23.07	23.14	23.14		
15	64QAM	36	0	22.14	22.37	22.25	22.4	3
15	64QAM	36	20	22.27	22.30	22.22		
15	64QAM	36	39	22.09	22.20	22.09		
15	64QAM	75	0	22.25	22.33	22.12		
15	256QAM	1	0	20.25	20.30	20.19	20.4	5
15	256QAM	1	37	20.25	20.25	20.18		
15	256QAM	1	74	20.13	20.20	20.09		
15	256QAM	36	0	20.27	20.29	20.20	20.4	5
15	256QAM	36	20	20.22	20.29	20.13		
15	256QAM	36	39	20.16	20.21	20.14		
15	256QAM	75	0	20.07	20.20	20.09		
Channel				133172	133272	133422	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	678	693		
10	QPSK	1	0	25.14	25.27	25.27	25.4	0
10	QPSK	1	25	25.17	25.28	25.24		
10	QPSK	1	49	25.10	25.18	25.09		
10	QPSK	25	0	24.24	24.27	24.28	24.4	1
10	QPSK	25	12	24.25	24.25	24.18		
10	QPSK	25	25	24.02	24.17	24.10		
10	QPSK	50	0	24.25	24.30	24.20		
10	16QAM	1	0	24.26	24.28	24.23	24.4	1
10	16QAM	1	25	24.13	24.17	24.19		
10	16QAM	1	49	24.11	24.13	24.17		
10	16QAM	25	0	23.21	23.26	23.22	23.4	2
10	16QAM	25	12	23.29	23.27	23.21		
10	16QAM	25	25	23.10	23.18	23.02		
10	16QAM	50	0	23.28	23.29	23.26		
10	64QAM	1	0	23.20	23.38	23.14	23.4	2
10	64QAM	1	25	23.08	23.22	23.15		
10	64QAM	1	49	23.13	23.11	23.18		
10	64QAM	25	0	22.18	22.35	22.31	22.4	3
10	64QAM	25	12	22.26	22.30	22.20		
10	64QAM	25	25	22.03	22.17	22.13		
10	64QAM	50	0	22.29	22.34	22.13		
10	256QAM	1	0	20.17	20.36	20.17	20.4	5
10	256QAM	1	25	20.21	20.31	20.19		
10	256QAM	1	49	20.12	20.26	20.05		
10	256QAM	25	0	20.18	20.28	20.15	20.4	5
10	256QAM	25	12	20.24	20.32	20.17		
10	256QAM	25	25	20.17	20.18	20.15		
10	256QAM	50	0	20.10	20.24	20.13		
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	25.25	25.23	25.26	25.4	0
5	QPSK	1	12	25.15	25.27	25.22		
5	QPSK	1	24	25.09	25.15	25.14		
5	QPSK	12	0	24.20	24.29	24.18	24.4	1
5	QPSK	12	7	24.16	24.26	24.27		
5	QPSK	12	13	24.07	24.20	24.06		
5	QPSK	25	0	24.27	24.26	24.17		
5	16QAM	1	0	24.17	24.28	24.17	24.4	1
5	16QAM	1	12	24.20	24.21	24.18		
5	16QAM	1	24	24.06	24.15	24.13		
5	16QAM	12	0	23.21	23.29	23.20	23.4	2
5	16QAM	12	7	23.25	23.21	23.14		
5	16QAM	12	13	23.14	23.21	23.04		
5	16QAM	25	0	23.29	23.26	23.23		
5	64QAM	1	0	23.19	23.38	23.19	23.4	2
5	64QAM	1	12	23.11	23.22	23.16		
5	64QAM	1	24	23.07	23.16	23.11		
5	64QAM	12	0	22.21	22.31	22.31	22.4	3
5	64QAM	12	7	22.25	22.25	22.29		
5	64QAM	12	13	22.05	22.16	22.19		
5	64QAM	25	0	22.26	22.26	22.14		
5	256QAM	1	0	20.19	20.29	20.25	20.4	5
5	256QAM	1	12	20.21	20.34	20.21		
5	256QAM	1	24	20.11	20.27	20.15		
5	256QAM	12	0	20.22	20.38	20.15	20.4	5
5	256QAM	12	7	20.22	20.40	20.17		
5	256QAM	12	13	20.13	20.19	20.16		
5	256QAM	25	0	20.09	20.20	20.05		

GSM1900 Ant5 DSI 4

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.65	29.84	29.79	31.00	20.65	20.84	20.79	22.00
GPRS 1 Tx slot	29.68	30.01	30.13	31.00	20.68	21.01	21.13	22.00
GPRS 2 Tx slots	26.32	26.73	26.75	28.00	20.32	20.73	20.75	22.00
GPRS 3 Tx slots	25.44	25.72	25.34	26.20	21.18	21.46	21.08	21.94
GPRS 4 Tx slots	23.40	23.90	23.65	25.00	20.40	20.90	20.65	22.00
EDGE 1 Tx slot	25.51	26.01	25.93	27.00	16.51	17.01	16.93	18.00
EDGE 2 Tx slots	22.65	22.81	23.05	24.00	16.65	16.81	17.05	18.00
EDGE 3 Tx slots	21.55	21.54	21.54	22.20	17.29	17.28	17.28	17.94
EDGE 4 Tx slots	19.81	19.87	19.78	21.00	16.81	16.87	16.78	18.00

WCDMA II Ant5 DSI 4 WCDMA IV Ant5 DSI 4

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	24.23	24.25	24.14	25.00	24.05	24.16	24.18	25.00
3GPP Rel 99	RMC 12.2Kbps	24.28	24.35	24.22	25.00	24.17	24.27	24.26	25.00
3GPP Rel 6	HSDPA Subtest-1	23.28	23.30	23.27	24.00	23.15	23.25	23.31	24.00
3GPP Rel 6	HSDPA Subtest-2	23.33	23.37	23.17	24.00	23.18	23.23	23.28	24.00
3GPP Rel 6	HSDPA Subtest-3	22.81	22.83	22.77	23.50	22.64	22.80	22.82	23.50
3GPP Rel 6	HSDPA Subtest-4	22.74	22.80	22.71	23.50	22.70	22.79	22.75	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.28	23.35	23.26	24.00	23.16	23.27	23.25	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.25	23.37	23.17	24.00	23.13	23.30	23.21	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.75	22.83	22.72	23.50	22.69	22.73	22.72	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.83	22.89	22.66	23.50	22.72	22.76	22.75	23.50
3GPP Rel 6	HSUPA Subtest-1	23.31	23.34	23.21	24.00	23.16	23.22	23.27	24.00
3GPP Rel 6	HSUPA Subtest-2	21.26	21.30	21.24	22.00	21.14	21.21	21.25	22.00
3GPP Rel 6	HSUPA Subtest-3	22.22	22.35	22.19	23.00	22.20	22.29	22.29	23.00
3GPP Rel 6	HSUPA Subtest-4	21.27	21.39	21.22	22.00	21.18	21.27	21.28	22.00
3GPP Rel 6	HSUPA Subtest-5	23.24	23.41	23.21	24.00	23.14	23.33	23.30	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.75	20.88	20.73	21.50	20.70	20.77	20.72	21.50

Band 2 Ant5 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	24.11	24.89	23.95	25	0
20	QPSK	1	49	23.86	24.01	23.81		
20	QPSK	1	99	23.84	24.06	23.80		
20	QPSK	50	0	22.92	23.17	22.98		
20	QPSK	50	24	22.98	23.08	22.96	24	1
20	QPSK	50	50	22.89	23.11	22.97		
20	QPSK	100	0	22.95	23.15	22.90		
20	16QAM	1	0	22.89	23.13	22.93		
20	16QAM	1	49	23.00	23.05	22.94	24	1
20	16QAM	1	99	22.92	23.08	22.96		
20	16QAM	50	0	21.88	22.09	21.90		
20	16QAM	50	24	21.92	22.11	21.96	23	2
20	16QAM	50	50	21.96	22.13	21.97		
20	16QAM	100	0	21.90	22.08	21.94		
20	64QAM	1	0	21.88	22.06	22.00		
20	64QAM	1	49	21.93	22.15	21.94	23	2
20	64QAM	1	99	21.91	22.13	21.93		
20	64QAM	50	0	20.94	21.14	20.97		
20	64QAM	50	24	21.00	21.09	20.91	22	3
20	64QAM	50	50	20.96	21.16	20.98		
20	64QAM	100	0	20.99	21.12	21.00		
20	256QAM	1	0	18.92	19.08	18.93		
20	256QAM	1	49	18.97	19.08	18.98	20	5
20	256QAM	1	99	18.90	19.16	18.92		
20	256QAM	50	0	18.93	19.16	18.89		
20	256QAM	50	24	18.92	19.10	19.01	20	5
20	256QAM	50	50	18.92	19.12	18.90		
20	256QAM	100	0	18.98	19.12	18.99		
Channel				18675	18900	19125		
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	23.88	24.03	23.82		
15	QPSK	1	37	24.77	23.87	23.70	25	0
15	QPSK	1	74	23.72	23.92	23.73		
15	QPSK	36	0	22.77	23.03	22.86		
15	QPSK	36	20	22.90	22.93	22.84	24	1
15	QPSK	36	39	22.76	22.97	22.87		
15	QPSK	75	0	22.79	22.99	22.85		
15	16QAM	1	0	22.85	23.00	22.81		
15	16QAM	1	37	22.94	22.99	22.84	24	1
15	16QAM	1	74	22.80	22.93	22.88		
15	16QAM	36	0	21.80	21.98	21.74		
15	16QAM	36	20	21.83	22.07	21.85	23	2
15	16QAM	36	39	21.88	22.03	21.81		
15	16QAM	75	0	21.90	21.96	21.84		
15	64QAM	1	0	21.74	21.92	21.95		
15	64QAM	1	37	21.79	22.06	21.80	23	2
15	64QAM	1	74	21.78	21.99	21.81		
15	64QAM	36	0	20.83	21.09	20.89		
15	64QAM	36	20	20.90	20.96	20.78	22	3
15	64QAM	36	39	20.86	21.00	20.88		
15	64QAM	75	0	20.94	21.00	20.95		
15	256QAM	1	0	18.77	18.94	18.88		
15	256QAM	1	37	18.88	19.03	18.87	20	5
15	256QAM	1	74	18.81	19.00	18.78		
15	256QAM	36	0	18.86	19.07	18.77		
15	256QAM	36	20	18.80	18.97	18.86	20	5
15	256QAM	36	39	18.86	19.04	18.80		
15	256QAM	75	0	18.91	18.98	18.84		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.63	24.06	23.87		
10	QPSK	1	25	23.79	23.91	23.70	25	0
10	QPSK	1	49	23.79	23.93	23.69		
10	QPSK	25	0	22.78	23.05	22.84		
10	QPSK	25	12	22.85	22.93	22.85	24	1
10	QPSK	25	25	22.81	22.97	22.86		
10	QPSK	50	0	22.83	23.10	22.81		
10	16QAM	1	0	22.73	23.07	22.78		
10	16QAM	1	25	22.84	22.93	22.79	24	1
10	16QAM	1	49	22.84	22.96	22.80		
10	16QAM	25	0	21.77	22.03	21.80		
10	16QAM	25	12	21.86	21.96	21.85	23	2
10	16QAM	25	25	21.83	22.06	21.91		
10	16QAM	50	0	21.82	21.97	21.86		
10	64QAM	1	0	21.82	21.98	21.90		
10	64QAM	1	25	21.82	22.01	21.82	23	2
10	64QAM	1	49	21.80	22.07	21.86		
10	64QAM	25	0	20.82	21.03	20.89		
10	64QAM	25	12	20.85	20.94	20.76	22	3
10	64QAM	25	25	20.87	21.11	20.84		
10	64QAM	50	0	20.87	21.04	20.90		
10	256QAM	1	0	18.87	18.98	18.83		
10	256QAM	1	25	18.89	19.03	18.89	20	5
10	256QAM	1	49	18.81	19.01	18.85		
10	256QAM	25	0	18.88	19.06	18.85		
10	256QAM	25	12	18.79	19.04	18.96	20	5
10	256QAM	25	25	18.86	19.03	18.74		
10	256QAM	50	0	18.88	18.98	18.86		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.78	23.88	23.81		
5	QPSK	1	12	23.81	23.95	23.68	25	0
5	QPSK	1	24	23.69	24.01	23.69		
5	QPSK	12	0	22.76	23.09	22.85		
5	QPSK	12	7	22.93	23.02	22.88	24	1
5	QPSK	12	13	22.83	22.98	22.89		
5	QPSK	25	0	22.86	23.04	22.81		
5	16QAM	1	0	22.81	23.05	22.86		
5	16QAM	1	12	22.86	22.91	22.86	24	1
5	16QAM	1	24	22.82	22.98	22.88		
5	16QAM	12	0	21.75	21.97	21.85		
5	16QAM	12	7	21.80	22.06	21.92	23	2
5	16QAM	12	13	21.88	22.05	21.89		
5	16QAM	25	0	21.78	21.93	21.80		
5	64QAM	1	0	21.83	21.98	21.85		
5	64QAM	1	12	21.84	22.06	21.87	23	2
5	64QAM	1	24	21.75	22.05	21.86		
5	64QAM	12	0	20.85	21.03	20.89		
5	64QAM	12	7	20.95	21.03	20.80	22	3
5	64QAM	12	13	20.88	21.05	20.94		
5	64QAM	25	0	20.91	20.96	20.85		
5	256QAM	1	0	18.80	19.00	18.88		
5	256QAM	1	12	18.88	18.99	18.90	20	5
5	256QAM	1	24	18.75	19.03	18.86		
5	256QAM	12	0	18.82	19.06	18.79		
5	256QAM	12	7	18.83	19.03	18.87	20	5
5	256QAM	12	13	18.83	19.00	18.79		
5	256QAM	25	0	18.88	19.02	18.93		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.84	24.04	23.81		
3	QPSK	1	8	23.72	23.86	23.76	25	0
3	QPSK	1	14	23.69	23.96	23.69		
3	QPSK	8	0	22.84	23.05	22.86		
3	QPSK	8	4	22.93	23.00	22.86	24	1
3	QPSK	8	7	22.81	23.04	22.90		
3	QPSK	15	0	22.89	23.04	22.77		
3	16QAM	1	0	22.77	22.99	22.81		
3	16QAM	1	8	22.92	23.00	22.87	24	1
3	16QAM	1	14	22.87	22.98	22.92		
3	16QAM	8	0	21.81	22.03	21.86		
3	16QAM	8	4	21.78	21.96	21.89	23	2
3	16QAM	8	7	21.88	22.05	21.85		
3	16QAM	15	0	21.80	21.97	21.84		
3	64QAM	1	0	21.83	21.94	21.86		
3	64QAM	1	8	21.89	22.06	21.90	23	2
3	64QAM	1	14	21.83	22.07	21.80		
3	64QAM	8	0	20.87	20.99	20.84		
3	64QAM	8	4	20.95	20.94	20.77	22	3
3	64QAM	8	7	20.82	21.08	20.93		
3	64QAM	15	0	20.93	20.99	20.95		
3	256QAM	1	0	18.79	18.93	18.84		
3	256QAM	1	8	18.89	18.96	18.83	20	5
3	256QAM	1	14	18.85	19.07	18.83		
3	256QAM	8	0	18.78	19.04	18.79		
3	256QAM	8	4	18.86	18.97	18.91	20	5
3	256QAM	8	7	18.80	19.02	18.78		
3	256QAM	15	0	18.93	19.01	18.86		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.83	23.99	23.86		
1.4	QPSK	1	3	23.71	23.96	23.70		
1.4	QPSK	1	5	23.75	24.02	23.75	25	0
1.4	QPSK	3	0	23.67	23.91	23.74		
1.4	QPSK	3	1	23.73	23.94	23.78		
1.4	QPSK	3	3	23.69	23.92	23.73		
1.4	QPSK	6	0	22.83	22.95	22.87	24	1
1.4	16QAM	1	0	22.85	22.99	22.83		
1.4	16QAM	1	3	22.85	22.95	22.90		
1.4	16QAM	1	5	22.77	23.05	22.91	24	1
1.4	16QAM	3	0	22.83	23.05	22.87		
1.4	16QAM	3	1	22.88	22.96	22.86		
1.4	16QAM	3	3	22.87	23.05	22.82		
1.4	16QAM	6	0	21.85	22.04	21.89	23	2
1.4	64QAM	1	0	21.85	22.00	21.85		
1.4	64QAM	1	3	21.82	22.04	21.84		
1.4	64QAM	1	5	21.80	22.04	21.81	23	2
1.4	64QAM	3	0	21.83	21.99	21.80		
1.4	64QAM	3	1	21.89	21.95	21.86		
1.4	64QAM	3	3	21.82	21.94	21.82		
1.4	64QAM	6	0	20.79	20.97	20.86	22	3
1.4	256QAM	1	0	18.80	19.02	18.90		
1.4	256QAM	1	3	18.81	19.02	18.81		
1.4	256QAM	1	5	18.88	19.02	18.92	20	5
1.4	256QAM	3	0	18.79	18.97	18.91		
1.4	256QAM	3	1	18.84	19.04	18.90		
1.4	256QAM	3	3	18.88	19.02	18.86		
1.4	256QAM	6	0	18.86	19.03	18.83	20	5

Band 4 Ant5 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	24.77	24.89	24.65		
20	QPSK	1	49	24.78	24.83	24.65	25.7	0
20	QPSK	1	99	24.77	24.87	24.67		
20	QPSK	50	0	23.83	24.04	23.74		
20	QPSK	50	24	23.88	23.96	23.79	24.7	1
20	QPSK	50	50	23.86	24.01	23.83		
20	QPSK	100	0	23.84	23.93	23.76		
20	16QAM	1	0	23.95	23.97	23.76		
20	16QAM	1	49	23.93	23.98	23.78	24.7	1
20	16QAM	1	99	23.94	24.01	23.74		
20	16QAM	50	0	22.86	22.99	22.79		
20	16QAM	50	24	22.92	23.01	22.74	23.7	2
20	16QAM	50	50	22.84	23.02	22.80		
20	16QAM	100	0	22.91	22.99	22.84		
20	64QAM	1	0	22.84	23.01	22.74		
20	64QAM	1	49	22.85	23.04	22.80	23.7	2
20	64QAM	1	99	22.94	23.04	22.76		
20	64QAM	50	0	21.85	22.00	21.76		
20	64QAM	50	24	21.93	22.02	21.79	22.7	3
20	64QAM	50	50	21.87	21.96	21.84		
20	64QAM	100	0	21.83	21.99	21.82		
20	256QAM	1	0	19.87	19.97	19.76		
20	256QAM	1	49	19.90	19.99	19.85	20.7	5
20	256QAM	1	99	19.92	19.98	19.84		
20	256QAM	50	0	19.89	20.01	19.80		
20	256QAM	50	24	19.91	20.00	19.84	20.7	5
20	256QAM	50	50	19.93	20.02	19.81		
20	256QAM	100	0	19.89	20.01	19.77		
Channel				20025	20175	20325		
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	24.72	24.80	24.50		
15	QPSK	1	37	24.73	24.76	24.53	25.7	0
15	QPSK	1	74	24.65	24.72	24.53		
15	QPSK	36	0	23.69	23.97	23.65		
15	QPSK	36	20	23.73	23.87	23.70	24.7	1
15	QPSK	36	39	23.75	23.93	23.71		
15	QPSK	75	0	23.80	23.86	23.70		
15	16QAM	1	0	23.84	23.84	23.72		
15	16QAM	1	37	23.87	23.83	23.72	24.7	1
15	16QAM	1	74	23.79	23.91	23.63		
15	16QAM	36	0	22.80	22.86	22.66		
15	16QAM	36	20	22.84	22.90	22.70	23.7	2
15	16QAM	36	39	22.72	22.93	22.75		
15	16QAM	75	0	22.84	22.88	22.72		
15	64QAM	1	0	22.73	22.89	22.63		
15	64QAM	1	37	22.76	22.89	22.65	23.7	2
15	64QAM	1	74	22.83	22.93	22.65		
15	64QAM	36	0	21.75	21.89	21.63		
15	64QAM	36	20	21.81	21.93	21.71	22.7	3
15	64QAM	36	39	21.78	21.92	21.73		
15	64QAM	75	0	21.74	21.92	21.69		
15	256QAM	1	0	19.72	19.87	19.67		
15	256QAM	1	37	19.83	19.84	19.77	20.7	5
15	256QAM	1	74	19.86	19.88	19.78		
15	256QAM	36	0	19.73	19.95	19.72		
15	256QAM	36	20	19.80	19.93	19.74	20.7	5
15	256QAM	36	39	19.89	19.94	19.73		
15	256QAM	75	0	19.78	19.97	19.71		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.73	24.77	24.60		
10	QPSK	1	25	24.65	24.70	24.52	25.7	0
10	QPSK	1	49	24.64	24.80	24.54		
10	QPSK	25	0	23.71	23.91	23.61		
10	QPSK	25	12	23.77	23.90	23.66	24.7	1
10	QPSK	25	25	23.74	23.94	23.68		
10	QPSK	50	0	23.77	23.79	23.62		
10	16QAM	1	0	23.86	23.85	23.62		
10	16QAM	1	25	23.81	23.89	23.73	24.7	1
10	16QAM	1	49	23.90	23.88	23.60		
10	16QAM	25	0	22.81	22.89	22.66		
10	16QAM	25	12	22.85	22.93	22.62	23.7	2
10	16QAM	25	25	22.75	22.92	22.75		
10	16QAM	50	0	22.76	22.93	22.70		
10	64QAM	1	0	22.68	22.87	22.61		
10	64QAM	1	25	22.71	22.97	22.71	23.7	2
10	64QAM	1	49	22.87	22.89	22.68		
10	64QAM	25	0	21.70	21.86	21.72		
10	64QAM	25	12	21.82	21.96	21.63	22.7	3
10	64QAM	25	25	21.65	21.83	21.82		
10	64QAM	50	0	21.79	21.93	21.68		
10	256QAM	1	0	19.78	19.86	19.71		
10	256QAM	1	25	19.81	19.88	19.70	20.7	5
10	256QAM	1	49	19.81	19.90	19.71		
10	256QAM	25	0	19.75	19.90	19.71		
10	256QAM	25	12	19.78	19.86	19.77	20.7	5
10	256QAM	25	25	19.79	19.92	19.75		
10	256QAM	50	0	19.79	19.90	19.71		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	24.65	24.77	24.60		
5	QPSK	1	12	24.63	24.74	24.53	25.7	0
5	QPSK	1	24	24.68	24.73	24.55		
5	QPSK	12	0	23.71	23.88	23.61		
5	QPSK	12	7	23.75	23.92	23.66	24.7	1
5	QPSK	12	13	23.76	23.96	23.75		
5	QPSK	25	0	23.70	23.84	23.62		
5	16QAM	1	0	23.82	23.84	23.61		
5	16QAM	1	12	23.83	23.83	23.73	24.7	1
5	16QAM	1	24	23.88	23.94	23.62		
5	16QAM	12	0	22.75	22.90	22.71		
5	16QAM	12	7	22.83	22.89	22.65	23.7	2
5	16QAM	12	13	22.77	22.97	22.68		
5	16QAM	25	0	22.78	22.85	22.79		
5	64QAM	1	0	22.70	22.91	22.60		
5	64QAM	1	12	22.80	22.89	22.74	23.7	2
5	64QAM	1	24	22.83	22.94	22.64		
5	64QAM	12	0	21.80	21.89	21.69		
5	64QAM	12	7	21.77	21.96	21.70	22.7	3
5	64QAM	12	13	21.78	21.84	21.77		
5	64QAM	25	0	21.69	21.84	21.70		
5	256QAM	1	0	19.77	19.84	19.68		
5	256QAM	1	12	19.77	19.91	19.75	20.7	5
5	256QAM	1	24	19.86	19.94	19.71		
5	256QAM	12	0	19.82	19.92	19.72		
5	256QAM	12	7	19.84	19.90	19.70	20.7	5
5	256QAM	12	13	19.83	19.90	19.67		
5	256QAM	25	0	19.73	19.96	19.62		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	24.65	24.78	24.57		
3	QPSK	1	8	24.63	24.68	24.57	25.7	0
3	QPSK	1	14	24.72	24.74	24.54		
3	QPSK	8	0	23.71	23.95	23.67		
3	QPSK	8	4	23.83	23.92	23.74	24.7	1
3	QPSK	8	7	23.79	23.86	23.67		
3	QPSK	15	0	23.72	23.83	23.62		
3	16QAM	1	0	23.87	23.85	23.63		
3	16QAM	1	8	23.85	23.86	23.74	24.7	1
3	16QAM	1	14	23.84	23.90	23.64		
3	16QAM	8	0	22.70	22.93	22.67		
3	16QAM	8	4	22.82	22.97	22.61	23.7	2
3	16QAM	8	7	22.72	22.95	22.66		
3	16QAM	15	0	22.78	22.85	22.73		
3	64QAM	1	0	22.76	22.91	22.66		
3	64QAM	1	8	22.89	22.95	22.74	23.7	2
3	64QAM	1	14	22.84	22.90	22.69		
3	64QAM	8	0	21.71	21.85	21.63		
3	64QAM	8	4	21.82	21.87	21.75	22.7	3
3	64QAM	8	7	21.78	21.84	21.68		
3	64QAM	15	0	21.70	21.87	21.71		
3	256QAM	1	0	19.72	19.89	19.62		
3	256QAM	1	8	19.80	19.91	19.77	20.7	5
3	256QAM	1	14	19.80	19.91	19.68		
3	256QAM	8	0	19.78	19.92	19.66		
3	256QAM	8	4	19.79	19.92	19.78	20.7	5
3	256QAM	8	7	19.80	19.87	19.70		
3	256QAM	15	0	19.74	19.95	19.64		
Channel				19925	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.69	24.79	24.63		
1.4	QPSK	1	3	24.53	24.76	24.50		
1.4	QPSK	1	5	24.50	24.77	24.55	25.7	0
1.4	QPSK	3	0	24.46	24.65	24.55		
1.4	QPSK	3	1	24.55	24.72	24.57		
1.4	QPSK	3	3	24.53	24.74	24.57		
1.4	QPSK	6	0	23.66	23.70	23.72	24.7	1
1.4	16QAM	1	0	23.68	23.74	23.66		
1.4	16QAM	1	3	23.60	23.77	23.73		
1.4	16QAM	1	5	23.52	23.82	23.76	24.7	1
1.4	16QAM	3	0	23.58	23.81	23.66		
1.4	16QAM	3	1	23.67	23.73	23.66		
1.4	16QAM	3	3	23.62	23.83	23.59		
1.4	16QAM	6	0	22.64	22.85	22.72	23.7	2
1.4	64QAM	1	0	22.70	22.80	22.61		
1.4	64QAM	1	3	22.67	22.81	22.69		
1.4	64QAM	1	5	22.60	22.84	22.66	23.7	2
1.4	64QAM	3	0	22.60	22.79	22.63		
1.4	64QAM	3	1	22.69	22.75	22.62		
1.4	64QAM	3	3	22.66	22.76	22.64		
1.4	64QAM	6	0	21.57	21.82	21.63	22.7	3
1.4	256QAM	1	0	19.56	19.83	19.73		
1.4	256QAM	1	3	19.55	19.76	19.60		
1.4	256QAM	1	5	19.65	19.79	19.77	20.7	5
1.4	256QAM	3	0	19.64	19.77	19.69		
1.4	256QAM	3	1	19.65	19.81	19.71		
1.4	256QAM	3	3	19.74	19.87	19.71		
1.4	256QAM	6	0	19.63	19.86	19.69	20.7	5

Band 7 Ant5 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.63	24.78	24.51		
20	QPSK	1	49	24.57	24.57	24.56	25.5	0
20	QPSK	1	99	24.58	24.67	24.52		
20	QPSK	50	0	23.64	23.73	23.57		
20	QPSK	50	24	23.71	23.70	23.66	24.5	1
20	QPSK	50	50	23.68	23.67	23.68		
20	QPSK	100	0	23.63	23.69	23.68		
20	16QAM	1	0	23.70	23.78	23.68		
20	16QAM	1	49	23.63	23.71	23.69	24.5	1
20	16QAM	1	99	23.72	23.76	23.68		
20	16QAM	50	0	22.73

Band 38 Ant5 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	25.16	25.35	25.11	25.7	0
20	QPSK	1	49	25.15	25.28	25.15		
20	QPSK	1	99	25.09	25.30	25.12		
20	QPSK	50	0	24.22	24.37	24.21	24.7	1
20	QPSK	50	24	24.18	24.33	24.23		
20	QPSK	50	50	24.18	24.30	24.19		
20	QPSK	100	0	24.22	24.31	24.30		
20	16QAM	1	0	24.20	24.36	24.25	24.7	1
20	16QAM	1	49	24.24	24.33	24.21		
20	16QAM	1	99	24.22	24.36	24.24		
20	16QAM	50	0	23.25	23.35	23.22	23.7	2
20	16QAM	50	24	23.23	23.35	23.28		
20	16QAM	50	50	23.21	23.38	23.28		
20	16QAM	100	0	23.27	23.39	23.20		
20	64QAM	1	0	23.23	23.30	23.23	23.7	2
20	64QAM	1	49	23.21	23.35	23.26		
20	64QAM	1	99	23.24	23.31	23.24		
20	64QAM	50	0	22.27	22.30	22.27	22.7	3
20	64QAM	50	24	22.21	22.38	22.27		
20	64QAM	50	50	22.18	22.35	22.29		
20	64QAM	100	0	22.29	22.33	22.21		
20	256QAM	1	0	20.28	20.32	20.27	20.7	5
20	256QAM	1	49	20.19	20.40	20.27		
20	256QAM	1	99	20.22	20.40	20.27		
20	256QAM	50	0	20.18	20.35	20.27	20.7	5
20	256QAM	50	24	20.28	20.32	20.27		
20	256QAM	50	50	20.26	20.34	20.30		
20	256QAM	100	0	20.26	20.37	20.23		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	25.03	25.28	24.96	25.7	0
15	QPSK	1	37	25.11	25.21	25.09		
15	QPSK	1	74	25.02	25.14	24.97		
15	QPSK	36	0	24.11	24.27	24.07	24.7	1
15	QPSK	36	20	24.04	24.24	24.12		
15	QPSK	36	39	24.04	24.22	24.13		
15	QPSK	75	0	24.11	24.25	24.24		
15	16QAM	1	0	24.06	24.23	24.12	24.7	1
15	16QAM	1	37	24.14	24.26	24.13		
15	16QAM	1	74	24.09	24.24	24.13		
15	16QAM	36	0	23.12	23.28	23.07	23.7	2
15	16QAM	36	20	23.18	23.28	23.13		
15	16QAM	36	39	23.15	23.25	23.15		
15	16QAM	75	0	23.20	23.29	23.06		
15	64QAM	1	0	23.15	23.25	23.19	23.7	2
15	64QAM	1	37	23.11	23.24	23.13		
15	64QAM	1	74	23.12	23.23	23.16		
15	64QAM	36	0	22.21	22.16	22.20	22.7	3
15	64QAM	36	20	22.13	22.32	22.18		
15	64QAM	36	39	22.09	22.21	22.25		
15	64QAM	75	0	22.20	22.27	22.14		
15	256QAM	1	0	20.22	20.28	20.16	20.7	5
15	256QAM	1	37	20.13	20.35	20.16		
15	256QAM	1	74	20.11	20.27	20.22		
15	256QAM	36	0	20.10	20.25	20.16	20.7	5
15	256QAM	36	20	20.18	20.18	20.16		
15	256QAM	36	39	20.12	20.23	20.23		
15	256QAM	75	0	20.15	20.29	20.11		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2570	2595	2615		
10	QPSK	1	0	25.02	25.21	24.97	25.7	0
10	QPSK	1	25	25.07	25.17	25.11		
10	QPSK	1	49	25.00	25.22	25.00		
10	QPSK	25	0	24.12	24.30	24.09	24.7	1
10	QPSK	25	12	24.06	24.21	24.16		
10	QPSK	25	25	24.06	24.17	24.14		
10	QPSK	50	0	24.10	24.23	24.17		
10	16QAM	1	0	24.13	24.24	24.19	24.7	1
10	16QAM	1	25	24.08	24.25	24.10		
10	16QAM	1	49	24.14	24.29	24.13		
10	16QAM	25	0	23.11	23.28	23.16	23.7	2
10	16QAM	25	12	23.13	23.19	23.14		
10	16QAM	25	25	23.08	23.26	23.19		
10	16QAM	50	0	23.17	23.25	23.08		
10	64QAM	1	0	23.14	23.15	23.12	23.7	2
10	64QAM	1	25	23.11	23.26	23.21		
10	64QAM	1	49	23.16	23.22	23.10		
10	64QAM	25	0	22.20	22.22	22.20	22.7	3
10	64QAM	25	12	22.10	22.25	22.17		
10	64QAM	25	25	22.06	22.21	22.24		
10	64QAM	50	0	22.17	22.23	22.09		
10	256QAM	1	0	20.15	20.27	20.19	20.7	5
10	256QAM	1	25	20.14	20.31	20.15		
10	256QAM	1	49	20.16	20.36	20.23		
10	256QAM	25	0	20.10	20.19	20.22	20.7	5
10	256QAM	25	12	20.21	20.22	20.20		
10	256QAM	25	25	20.10	20.30	20.21		
10	256QAM	50	0	20.19	20.29	20.08		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	25.09	25.29	25.03	25.7	0
5	QPSK	1	12	25.06	25.13	25.00		
5	QPSK	1	24	25.04	25.17	25.01		
5	QPSK	12	0	24.11	24.23	24.08	24.7	1
5	QPSK	12	7	24.13	24.28	24.14		
5	QPSK	12	13	24.13	24.24	24.08		
5	QPSK	25	0	24.11	24.25	24.16		
5	16QAM	1	0	24.08	24.22	24.20	24.7	1
5	16QAM	1	12	24.14	24.26	24.07		
5	16QAM	1	24	24.17	24.27	24.16		
5	16QAM	12	0	23.18	23.27	23.11	23.7	2
5	16QAM	12	7	23.10	23.25	23.12		
5	16QAM	12	13	23.07	23.22	23.24		
5	16QAM	25	0	23.18	23.26	23.10		
5	64QAM	1	0	23.19	23.18	23.15	23.7	2
5	64QAM	1	12	23.16	23.22	23.14		
5	64QAM	1	24	23.17	23.16	23.13		
5	64QAM	12	0	22.20	22.24	22.20	22.7	3
5	64QAM	12	7	22.14	22.26	22.14		
5	64QAM	12	13	22.04	22.24	22.15		
5	64QAM	25	0	22.16	22.26	22.16		
5	256QAM	1	0	20.23	20.26	20.12	20.7	5
5	256QAM	1	12	20.08	20.29	20.22		
5	256QAM	1	24	20.10	20.30	20.23		
5	256QAM	12	0	20.10	20.20	20.20	20.7	5
5	256QAM	12	7	20.15	20.25	20.23		
5	256QAM	12	13	20.18	20.22	20.15		
5	256QAM	25	0	20.17	20.28	20.17		

Band 41 Ant5 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.95	25.07	25.10	24.93	24.95	25.7	0
20	QPSK	1	49	25.05	25.07	25.01	24.93	24.95		
20	QPSK	1	99	25.01	24.98	25.09	24.97	24.93		
20	QPSK	50	0	24.16	24.13	24.19	24.05	23.97	24.7	1
20	QPSK	50	24	24.05	24.13	24.18	23.99	23.98		
20	QPSK	50	50	24.05	24.11	24.13	24.03	24.05		
20	QPSK	100	0	24.13	24.09	24.16	23.96	23.95		
20	16QAM	1	0	24.10	24.15	24.17	24.03	24.06	24.7	1
20	16QAM	1	49	24.10	24.12	24.16	23.99	24.00		
20	16QAM	1	99	24.15	24.18	24.14	24.03	24.06		
20	16QAM	50	0	23.16	23.07	23.08	23.07	23.01	23.7	2
20	16QAM	50	24	23.11	23.15	23.09	23.05	23.06		
20	16QAM	50	50	23.14	23.13	23.19	23.06	22.97		
20	16QAM	100	0	23.16	23.09	23.20	23.02	23.02		
20	64QAM	1	0	23.10	23.16	23.13	23.02	23.03	23.7	2
20	64QAM	1	49	23.15	23.08	23.19	23.01	23.00		
20	64QAM	1	99	23.13	23.17	23.14	23.02	23.06		
20	64QAM	50	0	22.12	22.18	22.08	21.96	22.06	22.7	3
20	64QAM	50	24	22.17	22.13	22.19	22.06	21.99		
20	64QAM	50	50	22.13	22.18	22.19	22.04	22.04		
20	64QAM	100	0	22.13	22.11	22.08	21.97	22.05		
20	256QAM	1	0	20.09	20.13	20.13	19.96	20.03	20.7	5
20	256QAM	1	49	20.14	20.18	20.12	20.00	20.05		
20	256QAM	1	99	20.16	20.15	20.18	20.00	20.00		
20	256QAM	50	0	20.14	20.11	20.11	19.96	19.98	20.7	5
20	256QAM	50	24	20.14	20.07	20.14	20.07	19.98		
20	256QAM	50	50	20.17	20.13	20.12	20.01	19.98		
20	256QAM	100	0	20.16	20.15	20.13	20.07	20.00		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.90	24.97	25.04	24.85	24.84	26	0
15	QPSK	1	37	24.94	24.92	24.92	24.82	24.87		
15	QPSK	1	74	24.86	24.93	24.95	24.92	24.79		
15	QPSK	36	0	24.06	24.01	24.04	23.93	23.90	24.7	1
15	QPSK	36	20	23.98	24.06	24.10	23.95	23.88		
15	QPSK	36	39	23.99	24.02	24.05	23.95	23.90		
15	QPSK	75	0	24.07	24.05	24.05	23.83	23.83		
15	16QAM	1	0	24.00	24.03	24.07	23.91	23.97	24.7	1
15	16QAM	1	37	23.96	23.96	24.06	23.95	23.90		
15	16QAM	1	74	24.07	24.05	24.04	23.95	23.97		
15	16QAM	36	0	23.01	22.91	23.03	23.02	22.95	23.7	2
15	16QAM	36	20	23.02	23.02	22.95	22.98	22.98		
15	16QAM	36	39	23.04	23.07	23.06	22.98	22.92		
15	16QAM	75	0	23.02	23.04	23.04	22.86	22.91		
15	64QAM	1	0	23.05	23.04	23.01	22.91	22.88	23.7	2
15	64QAM	1	37	23.00	23.01	23.04	22.94	22.90		
15	64QAM	1	74	22.99	23.03	23.06	22.93	22.99		
15	64QAM	36	0	21.97	22.05	22.03	21.81	21.93	22.7	3
15	64QAM	36	20	22.05	21.98	22.11	21.94	21.94		
15	64QAM	36	39	22.02	22.03	22.14	21.92	21.93		
15	64QAM	75	0	22.07	22.01	21.98	21.85	21.94		
15	256QAM	1	0	20.04	20.06	20.02	19.86	19.95	20.7	5
15	256QAM	1	37	20.01	20.10	19.98	19.89	19.98		
15	256QAM	1	74	20.00	20.03	20.11	19.90	19.88		
15	256QAM	36	0	20.02	20.04	20.05	19.90	19.89	20.7	5
15	256QAM	36	20	20.07	19.93	20.05	19.98	19.91		
15	256QAM	36	39	20.05	19.98	19.99	19.93	19.90		
15	256QAM	75	0	20.06	20.07	20.01	20.02	19.89		
Channel				39700	40150	40600	41050	41500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.86	25.03	24.97	24.86	24.83	26	0
10	QPSK	1	25	24.99	24.94	24.93	24.80	24.84		
10	QPSK	1	49	24.87	24.89	24.94	24.85	24.88		
10	QPSK	25	0	24.04	24.02	24.09	23.94	23.85	24.7	1
10	QPSK	25	12	23.90	23.97	24.07	23.86	23.85		
10	QPSK	25	25	23.99	24.02	24.02	23.88	23.96		
10	QPSK	50	0	24.05	23.94	24.02	23.91	23.82		
10	16QAM	1	0	24.00	24.07	24.03	23.98	23.94	24.7	1
10	16QAM	1	25	24.02	24.08	24.09	23.83	23.91		
10	16QAM	1	49	24.01	24.04	24.10	23.96	23.99		
10	16QAM	25	0	23.11	23.02	23.03	22.99	22.93	23.7	2
10	16QAM	25	12	23.03	23.01	22.96	22.96	22.95		
10	16QAM	25	25	22.99	23.00	23.02	22.88	22.96		
10	16QAM	50	0	23.02	23.03	23.07	22.89	22.91		
10	64QAM	1	0	23.02	23.07	23.00	22.92	22.89	23.7	2
10	64QAM	1	25	23.10	22.97	23.06	22.90	22.93		
10	64QAM	1	49	23.09	23.08	23.05	22.91	22.99		
10	64QAM	25	0	21.97	22.11	22.02	21.91	21.96	22.7	3
10	64QAM	25	12	22.12	21.98	22.07	22.00	21.92		
10	64QAM	25	25	22.05	22.09	22.09	21.98	21.91		
10	64QAM	50	0	22.03	22.03	22.04	21.85	21.92		
10	256QAM	1	0	20.00	20.09	20.05	19.82	19.93	20.7	5
10	256QAM	1	25	20.07	20.10	20.00	19.87	19.94		
10	256QAM	1	49	20.08	19.99	20.08	19.91	19.91		
10	256QAM	25	0	20.02	20.03	19.98	19.84	19.93	20.7	5
10	256QAM	25	12	20.10	19.98	20.06	19.98	19.84		
10	256QAM	25	25	20.11	20.05	20.04	19.93	19.84		
10	256QAM	50	0	20.11	20.01	19.98	19.94	19.96		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.83	24.94	25.05	24.80	24.91	26	0
5	QPSK	1	12	24.98	24.92	24.91	24.79	24.80		
5	QPSK	1	24	24.88	24.89	24.98	24.91	24.86		
5	QPSK	12	0	24.07	24.00	24.10	23.97	23.84	24.7	1
5	QPSK	12	7	23.92	24.02	24.13	23.87	23.88		
5	QPSK	12	13	24.00	24.04	24.08	23.98	23.92		
5	QPSK	25	0	24.05	23.98	24.04	23.91	23.85		
5	16QAM	1	0	23.98	24.03	24.09	23.98	24.00	24.7	1
5	16QAM	1	12	23.95	23.96	24.01	23.93	23.93		
5	16QAM	1	24	24.07	24.09	24.09	23.92	24.00		
5	16QAM	12	0	23.06	22.93	22.97	22.95	22.89	23.7	2
5	16QAM	12	7	23.03	23.08	22.96	22.92	22.98		
5	16QAM	12	13	23.10	23.02	23.12	23.00	22.86		
5	16QAM	25	0	23.07	23.04	23.10	22.95	22.92		
5	64QAM	1	0	22.94	23.06	22.99	22.96	22.94	23.7	2
5	64QAM	1	12	23.07	23.01	23.09	22.97	22.85		
5	64QAM	1	24	23.08	23.05	23.01	22.97	23.01		
5	64QAM	12	0	22.01	22.07	21.96	21.90	22.00	22.7	3
5	64QAM	12	7	22.13	22.03	22.04	22.01	21.85		
5	64QAM	12	13	22.08	22.04	22.14	21.89	21.98		
5	64QAM	25	0	21.97	22.06	21.93	21.87	21.92		
5	256QAM	1	0	20.00	20.00	19.97	19.83	19.98	20.7	5
5	256QAM	1	12	20.05	20.03	20.03	19.86	19.98		
5	256QAM	1	24	20.06	20.03	20.13	19.89	19.85		
5	256QAM	12	0	20.06	20.00	20.02	19.83	19.83	20.7	5
5	256QAM	12	7	20.09	20.02	19.99	19.97	19.92		
5	256QAM	12	13	20.08	19.98	19.98	19.92	19.84		
5	256QAM	25	0	20.08	20.04	19.98	20.01	19.91		

Band 42 Ant5 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	24.92	25.12	24.89	26	0
20	QPSK	1	49	24.95	25.10	24.87		
20	QPSK	1	99	24.95	25.04	24.90		
20	QPSK	50	0	24.07	24.19	24.08	25	1
20	QPSK	50	24	24.07	24.15	23.98		
20	QPSK	50	50	24.02	24.18	23.97		
20	QPSK	100	0	24.08	24.14	24.05		
20	16QAM	1	0	24.05	24.21	24.06	25	1
20	16QAM	1	49	24.00	24.17	24.08		
20	16QAM	1	99	24.10	24.16	24.01		
20	16QAM	50	0	23.05	23.15	23.05	24	2
20	16QAM	50	24	23.00	23.12	22.99		
20	16QAM	50	50	22.99	23.18	23.04		
20	16QAM	100	0	23.09	23.22	23.03		
20	64QAM	1	0	22.99	23.19	23.03	24	2
20	64QAM	1	49	23.08	23.14	22.98		
20	64QAM	1	99	23.10	23.17	23.06		
20	64QAM	50	0	22.09	22.16	21.98	23	3
20	64QAM	50	24	22.03	22.10	22.04		
20	64QAM	50	50	22.00	22.14	22.04		
20	64QAM	100	0	22.02	22.17	22.02		
20	256QAM	1	0	20.05	20.15	20.02	21	5
20	256QAM	1	49	20.04	20.14	20.08		
20	256QAM	1	99	20.06	20.15	20.09		
20	256QAM	50	0	20.08	20.18	19.97	21	5
20	256QAM	50	24	20.02	20.14	20.01		
20	256QAM	50	50	20.06	20.16	20.08		
20	256QAM	100	0	20.03	20.21	20.00		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	24.76	25.03	24.80	26	0
15	QPSK	1	37	24.87	25.01	24.80		
15	QPSK	1	74	24.90	24.91	24.75		
15	QPSK	36	0	23.93	24.06	23.95	25	1
15	QPSK	36	20	23.92	24.00	23.93		
15	QPSK	36	39	23.98	24.12	23.87		
15	QPSK	75	0	23.97	24.10	23.89		
15	16QAM	1	0	23.92	24.05	23.99	25	1
15	16QAM	1	37	23.85	24.05	23.93		
15	16QAM	1	74	23.95	24.02	23.88		
15	16QAM	36	0	22.96	23.10	22.96	24	2
15	16QAM	36	20	22.93	22.98	22.95		
15	16QAM	36	39	22.93	23.08	22.94		
15	16QAM	75	0	23.00	23.15	22.92		
15	64QAM	1	0	22.85	23.07	22.96	24	2
15	64QAM	1	37	22.97	23.04	22.87		
15	64QAM	1	74	23.02	23.06	22.91		
15	64QAM	36	0	21.93	22.06	21.91	23	3
15	64QAM	36	20	21.92	22.00	21.92		
15	64QAM	36	39	21.91	22.09	21.98		
15	64QAM	75	0	21.89	22.03	21.96		
15	256QAM	1	0	19.90	20.02	19.88	21	5
15	256QAM	1	37	19.94	20.07	20.02		
15	256QAM	1	74	19.92	20.00	20.04		
15	256QAM	36	0	19.94	20.12	19.84	21	5
15	256QAM	36	20	19.92	20.05	19.95		
15	256QAM	36	39	19.92	20.04	19.93		
15	256QAM	75	0	19.89	20.12	19.96		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	24.85	25.07	24.73	26	0
10	QPSK	1	25	24.82	24.96	24.78		
10	QPSK	1	49	24.80	24.99	24.82		
10	QPSK	25	0	23.92	24.04	24.01	25	1
10	QPSK	25	12	24.01	24.01	23.86		
10	QPSK	25	25	23.89	24.13	23.83		
10	QPSK	50	0	24.04	24.03	23.90		
10	16QAM	1	0	23.96	24.12	24.00	25	1
10	16QAM	1	25	23.85	24.11	23.99		
10	16QAM	1	49	24.02	24.10	23.91		
10	16QAM	25	0	22.92	23.04	22.92	24	2
10	16QAM	25	12	22.92	23.07	22.94		
10	16QAM	25	25	22.89	23.05	22.95		
10	16QAM	50	0	22.95	23.12	22.97		
10	64QAM	1	0	22.84	23.04	22.88	24	2
10	64QAM	1	25	23.00	23.02	22.85		
10	64QAM	1	49	23.06	23.11	22.91		
10	64QAM	25	0	21.96	22.00	21.86	23	3
10	64QAM	25	12	21.91	21.98	21.90		
10	64QAM	25	25	21.86	22.08	21.96		
10	64QAM	50	0	21.93	22.11	21.95		
10	256QAM	1	0	19.91	20.09	19.89	21	5
10	256QAM	1	25	19.94	20.00	20.02		
10	256QAM	1	49	19.96	20.10	20.02		
10	256QAM	25	0	19.96	20.04	19.87	21	5
10	256QAM	25	12	19.97	20.08	19.87		
10	256QAM	25	25	19.95	20.04	19.93		
10	256QAM	50	0	19.96	20.13	19.85		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	24.85	25.04	24.84	26	0
5	QPSK	1	12	24.83	24.94	24.74		
5	QPSK	1	24	24.81	24.98	24.83		
5	QPSK	12	0	24.02	24.09	23.92	25	1
5	QPSK	12	7	24.03	24.04	23.87		
5	QPSK	12	13	23.90	24.09	23.85		
5	QPSK	25	0	24.00	24.03	23.96		
5	16QAM	1	0	23.97	24

GSM1900 Ant4 DSI 4

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.08	26.92	27.01	28.50	18.08	17.92	18.01	19.50
GPRS 1 Tx slot	27.11	27.00	27.08	28.50	18.11	18.00	18.08	19.50
GPRS 2 Tx slots	23.89	24.10	23.75	25.50	17.89	18.10	17.75	19.50
GPRS 3 Tx slots	22.10	22.17	21.87	23.70	17.84	17.91	17.61	19.44
GPRS 4 Tx slots	20.63	20.74	20.58	22.50	17.63	17.74	17.58	19.50
EDGE 1 Tx slot	23.25	23.23	23.27	25.20	14.25	14.23	14.27	16.20
EDGE 2 Tx slots	20.57	20.52	20.35	22.20	14.57	14.52	14.35	16.20
EDGE 3 Tx slots	18.78	18.97	18.74	20.40	14.52	14.71	14.48	16.14
EDGE 4 Tx slots	17.25	17.31	17.22	19.20	14.25	14.31	14.22	16.20

WCDMA II Ant4 DSI 4 WCDMA IV Ant4 DSI 4

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.63	19.74	19.64	21.20	20.00	20.29	20.27	21.90
3GPP Rel 99	RMC 12.2Kbps	19.75	19.78	19.73	21.20	20.17	20.38	20.33	21.90
3GPP Rel 6	HSDPA Subtest-1	18.79	18.75	18.69	20.20	19.18	19.39	19.37	20.90
3GPP Rel 6	HSDPA Subtest-2	18.76	18.75	18.77	20.20	19.14	19.40	19.36	20.90
3GPP Rel 6	HSDPA Subtest-3	18.23	18.29	18.28	19.70	18.68	18.91	18.84	20.40
3GPP Rel 6	HSDPA Subtest-4	18.31	18.24	18.28	19.70	18.67	18.93	18.84	20.40
3GPP Rel 8	DC-HSDPA Subtest-1	18.81	18.82	18.69	20.20	19.15	19.41	19.35	20.90
3GPP Rel 8	DC-HSDPA Subtest-2	18.75	18.75	18.69	20.20	19.12	19.41	19.39	20.90
3GPP Rel 8	DC-HSDPA Subtest-3	18.28	18.23	18.20	19.70	18.68	18.90	18.85	20.40
3GPP Rel 8	DC-HSDPA Subtest-4	18.23	18.29	18.20	19.70	18.67	18.84	18.87	20.40
3GPP Rel 6	HSUPA Subtest-1	18.72	18.82	18.76	20.20	19.18	19.38	19.38	20.90
3GPP Rel 6	HSUPA Subtest-2	16.81	16.72	16.74	18.20	17.20	17.36	17.32	18.90
3GPP Rel 6	HSUPA Subtest-3	17.70	17.80	17.71	19.20	18.15	18.42	18.39	19.90
3GPP Rel 6	HSUPA Subtest-4	16.71	16.78	16.73	18.20	17.14	17.41	17.32	18.90
3GPP Rel 6	HSUPA Subtest-5	18.77	18.83	18.76	20.20	19.13	19.39	19.38	20.90
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.28	16.27	16.28	17.70	16.70	16.84	16.91	18.40

Band 2 Ant4 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	20.13	20.16	20.10		
20	QPSK	1	49	20.10	20.09	19.99	21.7	0
20	QPSK	50	0	20.05	20.04	20.03		
20	QPSK	50	0	20.07	20.14	19.98		
20	QPSK	50	24	20.10	20.11	20.07	21.7	0
20	QPSK	50	50	20.09	20.03	19.97		
20	QPSK	100	0	20.03	20.13	19.99		
20	16QAM	1	0	20.01	20.12	20.04		
20	16QAM	1	49	20.08	20.05	19.92	21.7	0
20	16QAM	1	99	19.98	19.91	19.93		
20	16QAM	50	0	19.18	19.13	19.14		
20	16QAM	50	24	19.11	19.13	18.99	20.7	1
20	16QAM	50	50	19.02	18.99	19.05		
20	16QAM	100	0	19.10	19.16	19.03		
20	64QAM	1	0	19.08	19.15	19.11		
20	64QAM	1	49	19.06	18.97	18.99	20.7	1
20	64QAM	1	99	19.04	19.13	18.93		
20	64QAM	50	0	18.17	18.11	18.07		
20	64QAM	50	24	18.14	18.14	17.98	19.7	2
20	64QAM	50	50	18.01	18.09	18.01		
20	64QAM	100	0	18.10	18.10	17.97		
20	256QAM	1	0	16.13	16.21	16.12		
20	256QAM	1	49	16.10	16.14	16.01	17.7	4
20	256QAM	1	99	16.02	16.04	16.08		
20	256QAM	50	0	16.08	16.10	15.97		
20	256QAM	50	24	16.08	16.16	16.06	17.7	4
20	256QAM	50	50	16.13	16.08	16.02		
20	256QAM	100	0	16.03	16.19	16.01		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	20.07	20.05	20.04		
15	QPSK	1	37	20.06	19.95	19.94	21.7	0
15	QPSK	1	74	19.96	19.97	19.91		
15	QPSK	36	0	20.02	20.02	19.87		
15	QPSK	36	20	20.01	20.09	19.99	21.7	0
15	QPSK	36	39	20.01	19.98	19.86		
15	QPSK	75	0	19.95	20.01	19.89		
15	16QAM	1	0	19.90	20.02	19.91		
15	16QAM	1	37	19.99	19.95	19.79	21.7	0
15	16QAM	1	74	19.85	19.86	19.79		
15	16QAM	36	0	19.12	19.08	19.07		
15	16QAM	36	20	19.06	19.10	18.91	20.7	1
15	16QAM	36	39	18.89	18.93	18.97		
15	16QAM	75	0	19.00	19.13	18.95		
15	64QAM	1	0	19.04	19.08	19.07		
15	64QAM	1	37	19.04	18.90	18.94	20.7	1
15	64QAM	1	74	18.93	19.05	18.91		
15	64QAM	36	0	18.07	18.00	18.00		
15	64QAM	36	20	18.11	18.05	17.93	19.7	2
15	64QAM	36	39	17.96	18.00	17.88		
15	64QAM	75	0	18.03	18.06	17.92		
15	256QAM	1	0	16.10	16.10	16.03		
15	256QAM	1	37	15.98	16.11	15.97	17.7	4
15	256QAM	1	74	15.97	15.98	15.99		
15	256QAM	36	0	15.96	16.03	15.85		
15	256QAM	36	20	15.97	16.05	16.00	17.7	4
15	256QAM	36	39	16.10	15.95	15.92		
15	256QAM	75	0	15.98	16.11	15.96		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.99	20.02	20.06		
10	QPSK	1	25	20.06	20.02	19.92	21.7	0
10	QPSK	1	49	20.00	20.00	19.91		
10	QPSK	25	0	19.95	20.02	19.86		
10	QPSK	25	12	20.04	19.98	20.04	21.7	0
10	QPSK	25	25	20.01	19.93	19.89		
10	QPSK	50	0	19.98	20.07	19.86		
10	16QAM	1	0	19.92	20.00	19.99		
10	16QAM	1	25	20.04	19.92	19.86	21.7	0
10	16QAM	1	49	19.91	19.94	19.80		
10	16QAM	25	0	19.12	19.10	19.07		
10	16QAM	25	12	18.99	19.07	18.92	20.7	1
10	16QAM	25	25	18.90	18.91	18.93		
10	16QAM	50	0	19.05	19.03	18.98		
10	64QAM	1	0	19.02	19.11	19.01		
10	64QAM	1	25	19.01	18.94	18.90	20.7	1
10	64QAM	1	49	18.92	19.09	18.87		
10	64QAM	25	0	18.07	18.05	17.95		
10	64QAM	25	12	18.10	18.07	17.89	19.7	2
10	64QAM	25	25	17.95	17.97	17.91		
10	64QAM	50	0	18.04	17.96	17.89		
10	256QAM	1	0	16.00	16.14	15.99		
10	256QAM	1	25	16.05	16.04	15.95	17.7	4
10	256QAM	1	49	15.96	16.02	16.00		
10	256QAM	25	0	16.00	16.05	15.87		
10	256QAM	25	12	16.00	16.05	15.98	17.7	4
10	256QAM	25	25	16.00	16.06	15.94		
10	256QAM	50	0	15.99	16.13	15.97		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	20.06	20.07	20.07		
5	QPSK	1	12	19.99	20.05	19.89	21.7	0
5	QPSK	1	24	19.94	19.95	19.94		
5	QPSK	12	0	19.96	20.00	19.88		
5	QPSK	12	7	20.06	19.99	20.04	21.7	0
5	QPSK	12	13	20.04	19.93	19.93		
5	QPSK	25	0	19.92	20.10	19.93		
5	16QAM	1	0	19.96	19.99	19.97		
5	16QAM	1	12	20.05	20.01	19.83	21.7	0
5	16QAM	1	24	19.86	19.88	19.83		
5	16QAM	12	0	19.04	19.06	19.06		
5	16QAM	12	7	19.03	19.00	18.89	20.7	1
5	16QAM	12	13	18.99	18.99	18.91		
5	16QAM	25	0	19.04	19.07	18.90		
5	64QAM	1	0	19.01	19.07	19.03		
5	64QAM	1	12	19.04	18.86	18.87	20.7	1
5	64QAM	1	24	18.91	19.07	18.82		
5	64QAM	12	0	18.13	18.06	17.96		
5	64QAM	12	7	18.04	18.11	17.89	19.7	2
5	64QAM	12	13	17.87	18.01	17.94		
5	64QAM	25	0	18.00	18.00	17.89		
5	256QAM	1	0	16.07	16.19	16.08		
5	256QAM	1	12	16.04	16.07	15.88	17.7	4
5	256QAM	1	24	15.95	15.98	15.96		
5	256QAM	12	0	16.02	16.06	15.85		
5	256QAM	12	7	16.03	16.07	16.02	17.7	4
5	256QAM	12	13	16.06	15.99	15.99		
5	256QAM	25	0	16.00	16.09	15.96		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.99	20.06	20.07		
3	QPSK	1	8	20.00	20.06	19.90	21.7	0
3	QPSK	1	14	19.91	19.96	19.95		
3	QPSK	8	0	19.97	20.06	19.89		
3	QPSK	8	4	20.08	19.97	19.94	21.7	0
3	QPSK	8	7	20.02	20.01	19.91		
3	QPSK	15	0	19.91	20.08	19.88		
3	16QAM	1	0	19.90	20.07	20.00		
3	16QAM	1	8	20.00	20.01	19.84	21.7	0
3	16QAM	1	14	19.96	19.81	19.84		
3	16QAM	8	0	19.06	19.00	19.10		
3	16QAM	8	4	19.00	19.08	18.85	20.7	1
3	16QAM	8	7	18.96	18.87	19.00		
3	16QAM	15	0	19.03	19.06	18.95		
3	64QAM	1	0	19.02	19.02	19.04		
3	64QAM	1	8	18.98	18.91	18.95	20.7	1
3	64QAM	1	14	19.02	19.06	18.79		
3	64QAM	8	0	18.05	17.97	17.98		
3	64QAM	8	4	18.10	18.06	17.95	19.7	2
3	64QAM	8	7	17.91	17.99	17.92		
3	64QAM	15	0	17.96	18.02	17.89		
3	256QAM	1	0	16.00	16.16	16.04		
3	256QAM	1	8	16.01	16.11	15.89	17.7	4
3	256QAM	1	14	15.99	15.95	15.95		
3	256QAM	8	0	15.95	16.04	15.94		
3	256QAM	8	4	16.02	16.14	15.99	17.7	4
3	256QAM	8	7	16.01	15.98	15.97		
3	256QAM	15	0	15.94	16.07	15.90		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.02	20.12	19.99		
1.4	QPSK	1	3	20.06	20.04	19.89		
1.4	QPSK	1	5	19.98	19.92	19.93	21.7	0
1.4	QPSK	3	0	19.96	20.07	19.85		
1.4	QPSK	3	1	20.05	19.98	19.99		
1.4	QPSK	3	3	20.05	19.90	19.90		
1.4	QPSK	6	0	19.97	20.08	19.88	21.7	0
1.4	16QAM	1	0	19.94	20.09	19.93		
1.4	16QAM	1	3	20.05	19.93	19.85		
1.4	16QAM	1	5	19.87	19.87	19.85	21.7	0
1.4	16QAM	3	0	19.91	19.99	19.87		
1.4	16QAM	3	1	20.02	19.86	19.76		
1.4	16QAM	3	3	19.82	19.84	19.72		
1.4	16QAM	6	0	19.97	19.12	18.91	20.7	1
1.4	64QAM	1	0	19.02	19.09	18.97		
1.4	64QAM	1	3	18.93	18.88	18.95		
1.4	64QAM	1	5	19.00	19.04	18.89	20.7	1
1.4	64QAM	3	0	18.85	19.01	18.83		
1.4	64QAM	3	1	18.92	19.05	18.91		
1.4	64QAM	3	3	18.91	18.85	18.87		
1.4	64QAM	6	0	17.99	18.05	17.90	19.7	2
1.4	256QAM	1	0	16.00	16.11	16.00		
1.4	256QAM	1	3	16.00	16.06	15.91		
1.4	256QAM	1	5	15.90	16.00	15.98	17.7	4
1.4	256QAM	3	0	16.00	15.99	15.84		
1.4	256QAM	3	1	15.95	16.03	16.00		
1.4	256QAM	3	3	16.04	15.97	15.91		
1.4	256QAM	6	0	15.90	16.15	15.95	17.7	4

Band 4 Ant4 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	18.78	18.83	18.80		
20	QPSK	1	49	18.65	18.72	18.70	19.9	0
20	QPSK	50	0	18.61	18.77	18.75		
20	QPSK	50	0	18.65	18.79	18.74		
20	QPSK	50	24	18.74	18.70	18.67	19.9	0
20	QPSK	50	50	18.70	18.77	18.71		
20	QPSK	100	0	18.69	18.76	18.75		
20	16QAM	1	0	18.71	18.75	18.78		
20	16QAM	1	49	18.63	18.69	18.58	19.9	0
20	16QAM	1	99	18.70	18.74	18.71		
20	16QAM	50	0	18.61	18.77	18.65		
20	16QAM	50	24	18.61	18.60	18.55	19.9	0
20	16QAM	50	50	18.66	18.75	18.58		
20	16QAM	100	0	18.58	18.73	18.65		
20	64QAM	1	0	18.69	18.76	18.70		
20	64QAM	1	49	18.61	18.59	18.64	19.9	0
20	64QAM	1	99	18.69	18.70	18.67		
20	64QAM	50	0	18.55	18.75	18.68		
20	64QAM	50	24	18.66	18.63	18.55	19.9	0
20	64QAM	50	50	18.57	18.73	18.57		
20	64QAM	100	0	18.57	18.67	18.61		
20	256QAM	1	0	16.73	16.86	16.79		
20	256QAM	1	49	16.59	16.75	16.71	17.9	2
20	256QAM	1	99	16.76	16.81	16.80		
20	256QAM	50	0	16.61	16.81	16.70		
20	256QAM	50	24	16.76	16.74	16.69	17.9	2
20	256QAM	50	50	16.65	16.73	16.67		
20	256QAM	100	0	16.70	16.76	16.78		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	18.67	18.73	18.71		
15	QPSK	1	37	18.58	18.69	18.66	19.9	0
15	QPSK	1	74	18.65	18.72	18.64		
15	QPSK	36	0	18.60	18.70	18.61		
15	QPSK	36	20	18.70	18.67	18.53	19.9	0
15	QPSK	36	39	18.64	18.67	18.66		
15	QPSK	75	0	18.60	18.72	18.67		
15	16QAM	1	0	18.59	18.66	18.74		
15	16QAM	1	37	18.55	18.59	18.51	19.9	0
15	16QAM	1	74	18.68	18.63	18.62		
15	16QAM	36	0	18.57	18.73	18.52		
15	16QAM	36	20	18.57	18.53	18.50	19.9	0
15	16QAM	36	39	18.53	18.64	18.53		
15	16QAM	75	0	18.46	18.55	18.54		
15	64QAM	1	0	18.62	18.63	18.64		
15	64QAM	1	37	18.51	18.53	18.52	19.9	0
15	64QAM	1	74	18.56	18.57	18.53		
15	64QAM	36	0	18.49	18.61	18.60		
15	64QAM	36	20	18.53	18.58	18.44	19.9	0
15	64QAM	36	39	18.52	18.69	18.44		
15	64QAM	75	0	18.48	18.61	18.48		
15	256QAM	1	0	16.67	16.78	16.65		
15	256QAM	1	37	16.49	16.72	16.54	17.9	2
15	256QAM	1	74	16.63	16.77	16.75		
15	256QAM	36	0	16.51	16.75	16.61		
15	256QAM	36	20	16.72	16.65	16.55	17.9	2
15	256QAM	36	39	16.61	16.67	16.64		
15	256QAM	75	0	16.68	16.64	16.73		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	18.66	18.79	18.72		
10	QPSK	1	25	18.55	18.62	18.61	19.9	0
10	QPSK	1	49	18.63	18.72	18.62		
10	QPSK	25	0	18.63	18.75	18.71		
10	QPSK	25	12	18.67	18.57	18.55	19.9	0
10	QPSK	25	25	18.64	18.69	18.58		
10	QPSK	50	0	18.65	18.76	18.69		
10	16QAM	1	0	18.63	18.70	18.73		
10	16QAM	1	25	18.60	18.58	18.46	19.9	0
10	16QAM	1	49	18.59	18.61	18.57		
10	16QAM	25	0	18.56	18.69	18.62		
10	16QAM	25	12	18.48	18.48	18.50	19.9	0
10	16QAM	25	25	18.53	18.63	18.45		
10	16QAM	50	0	18.49	18.63	18.56		
10	64QAM	1	0	18.55	18.73	18.58		
10	64QAM	1	25	18.51	18.47	18.58	19.9	0
10	64QAM	1	49	18.65	18.59	18.57		
10	64QAM	25	0	18.46	18.64	18.65		
10	64QAM	25	12	18.54	18.58	18.50	19.9	0
10	64QAM	25	25	18.46	18.65	18.51		
10	64QAM	50	0	18.47	18.63	18.53		
10	256QAM	1	0	16.68	16.74	16.75		
10	256QAM	1	25	16.47	16.62	16.59	17.9	2
10	256QAM	1	49	16.67	16.70	16.73		
10	256QAM	25	0	16.58	16.75	16.63		
10	256QAM	25	12	16.71	16.72	16.62	17.9	2
10	256QAM	25	25	16.55	16.60	16.58		
10	256QAM	50	0	16.64	16.65	16.66		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	18.68	18.72	18.77		
5	QPSK	1	12	18.60	18.64	18.59	19.9	0
5	QPSK	1	24	18.61	18.76	18.62		
5	QPSK	12	0	18.53	18.69	18.70		
5	QPSK	12	7	18.61	18.65	18.63	19.9	0
5	QPSK	12	13	18.59	18.70	18.59		
5	QPSK	25	0	18.60	18.75	18.65		
5	16QAM	1	0	18.72	18.70	18.72		
5	16QAM	1	12	18.58	18.63	18.54	19.9	0
5	16QAM	1	24	18.67	18.65	18.57		
5	16QAM	12	0	18.47	18.69	18.51		
5	16QAM	12	7	18.50	18.47	18.43	19.9	0
5	16QAM	12	13	18.63	18.58	18.54		
5	16QAM	25	0	18.45	18.59	18.59		
5	64QAM	1	0	18.66	18.70	18.68		
5	64QAM	1	12	18.55	18.53	18.52	19.9	0
5	64QAM	1	24	18.59	18.61	18.56		
5	64QAM	12	0	18.43	18.73	18.55		
5	64QAM	12	7	18.54	18.54	18.42	19.9	0
5	64QAM	12	13	18.43	18.68	18.54		
5	64QAM	25	0	18.52	18.60	18.58		
5	256QAM	1	0	16.70	16.72	16.66		
5	256QAM	1	12	16.46	16.68	16.65	17.9	2
5	256QAM	1	24	16.68	16.71	16.78		
5	256QAM	12	0	16.51	16.70	16.65		
5	256QAM	12	7	16.72	16.70	16.66	17.9	2
5	256QAM	12	13	16.60	16.62	16.56		
5	256QAM	25	0	16.62	16.63	16.72		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	18.74	18.70	18.69		
3	QPSK	1	8	18.63	18.65	18.59	19.9	0
3	QPSK	1	14	18.59	18.72	18.65		
3	QPSK	8	0	18.59	18.73	18.60		
3	QPSK	8	4	18.64	18.62	18.62	19.9	0
3	QPSK	8	7	18.67	18.66	18.62		
3	QPSK	15	0	18.67	18.65	18.63		
3	16QAM	1	0	18.59	18.65	18.71		
3	16QAM	1	8	18.51	18.60	18.46	19.9	0
3	16QAM	1	14	18.63	18.65	18.66		
3	16QAM	8	0	18.55	18.66	18.59		
3	16QAM	8	4	18.54	18.45	18.46	19.9	0
3	16QAM	8	7	18.63	18.69	18.47		
3	16QAM	15	0	18.48	18.67	18.59		
3	64QAM	1	0	18.65	18.68	18.59		
3	64QAM	1	8	18.53	18.46	18.53	19.9	0
3	64QAM	1	14	18.61	18.58	18.62		
3	64QAM	8	0	18.53	18.66	18.65		
3	64QAM	8	4	18.56	18.58	18.52	19.9	0
3	64QAM	8	7	18.44	18.66	18.49		
3	64QAM	15	0	18.49	18.56	18.59		
3	256QAM	1	0	16.65	16.82	16.67		
3	256QAM	1	8	16.45	16.64	16.59	17.9	2
3	256QAM	1	14	16.62	16.70	16.67		
3	256QAM	8	0	16.56	16.71	16.68		
3	256QAM	8	4	16.63	16.64	16.63	17.9	2
3	256QAM	8	7	16.54	16.67	16.55		
3	256QAM	15	0	16.57	16.67	16.71		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.65	18.80	18.75		
1.4	QPSK	1	3	18.57	18.68	18.57		
1.4	QPSK	1	5	18.64	18.67	18.70	19.9	0
1.4	QPSK	3	0	18.57	18.71	18.66		
1.4	QPSK	3	1	18.72	18.66	18.63		
1.4	QPSK	3	3	18.58	18.66	18.68		
1.4	QPSK	6	0	18.57	18.73	18.66	19.9	0
1.4	16QAM	1	0	18.59	18.69	18.76		
1.4	16QAM	1	3	18.55	18.55	18.51		
1.4	16QAM	1	5	18.60	18.68	18.64	19.9	0
1.4	16QAM	3	0	18.49	18.66	18.56		
1.4	16QAM	3	1	18.55	18.50	18.49		
1.4	16QAM	3	3	18.63	18.67	18.45		
1.4	16QAM	6	0	18.49	18.70	18.55	19.9	0
1.4	64QAM	1	0	18.61	18.71	18.57		
1.4	64QAM	1	3	18.51	18.57	18.51		
1.4	64QAM	1	5	18.62	18.58	18.63	19.9	0
1.4	64QAM	3	0	18.49	18.73	18.55		
1.4	64QAM	3	1	18.57	18.52	18.42		
1.4	64QAM	3	3	18.53	18.67	18.54		
1.4	64QAM	6	0	18.55	18.53	18.57	19.9	0
1.4	256QAM	1	0	16.71	16.82	16.66		
1.4	256QAM	1	3	16.45	16.64	16.64		
1.4	256QAM	1	5	16.68	16.76	16.67	17.9	2
1.4	256QAM	3	0	16.53	16.74	16.60		
1.4	256QAM	3	1	16.67	16.71	16.66		
1.4	256QAM	3	3	16.54	16.68	16.61		
1.4	256QAM	6	0	16.67	16.70	16.72	17.9	2

Band 7 Ant4 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.52	18.58	18.55		
20	QPSK	1	49	18.43	18.53	18.44	19.9	0
20	QPSK	1	99	18.46	18.49	18.35		
20	QPSK	50	0	18.42	18.51	18.42		
20	QPSK	50	24	18.48	18.46	18.45	19.9	0
20	QPSK	50	50	18.43	18.44	18.45		
20	QPSK	100	0	18.43	18.49	18.43		
20	16QAM	1	0	18.38	18.48	18.48		
20	16QAM	1	49

Band 66 Ant4 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	18.95	19.01	18.98	20	0
20	QPSK	1	49	18.86	18.90	18.87		
20	QPSK	1	99	18.85	18.90	18.88		
20	QPSK	50	0	18.86	18.99	18.98	20	0
20	QPSK	50	24	18.94	18.89	18.90		
20	QPSK	50	50	18.86	18.98	18.87		
20	QPSK	100	0	18.87	18.97	18.89		
20	16QAM	1	0	18.93	18.90	18.90	20	0
20	16QAM	1	49	18.84	18.83	18.82		
20	16QAM	1	99	18.78	18.80	18.78		
20	16QAM	50	0	18.81	18.97	18.97	20	0
20	16QAM	50	24	18.89	18.81	18.80		
20	16QAM	50	50	18.77	18.86	18.85		
20	16QAM	100	0	18.82	18.93	18.82		
20	64QAM	1	0	18.88	18.97	18.95	20	0
20	64QAM	1	49	18.84	18.88	18.87		
20	64QAM	1	99	18.75	18.81	18.87		
20	64QAM	50	0	18.75	18.94	18.92	20	0
20	64QAM	50	24	18.92	18.82	18.89		
20	64QAM	50	50	18.81	18.92	18.85		
20	64QAM	100	0	18.85	18.86	18.86		
20	256QAM	1	0	17.00	17.07	16.98	18	2
20	256QAM	1	49	16.91	16.92	16.81		
20	256QAM	1	99	16.88	16.86	16.92		
20	256QAM	50	0	16.84	16.96	16.98	18	2
20	256QAM	50	24	16.93	16.92	16.95		
20	256QAM	50	50	16.84	17.01	16.87		
20	256QAM	100	0	16.84	17.01	16.92		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.86	18.94	18.94	20	0
15	QPSK	1	37	18.73	18.84	18.78		
15	QPSK	1	74	18.73	18.85	18.77		
15	QPSK	36	0	18.82	18.89	18.91	20	0
15	QPSK	36	20	18.82	18.76	18.88		
15	QPSK	36	39	18.82	18.88	18.80		
15	QPSK	75	0	18.74	18.84	18.81		
15	16QAM	1	0	18.89	18.86	18.84	20	0
15	16QAM	1	37	18.78	18.73	18.68		
15	16QAM	1	74	18.75	18.74	18.70		
15	16QAM	36	0	18.78	18.93	18.94	20	0
15	16QAM	36	20	18.78	18.71	18.68		
15	16QAM	36	39	18.67	18.74	18.74		
15	16QAM	75	0	18.79	18.87	18.70		
15	64QAM	1	0	18.85	18.87	18.88	20	0
15	64QAM	1	37	18.80	18.75	18.85		
15	64QAM	1	74	18.63	18.78	18.78		
15	64QAM	36	0	18.64	18.82	18.80	20	0
15	64QAM	36	20	18.87	18.75	18.85		
15	64QAM	36	39	18.72	18.79	18.82		
15	64QAM	75	0	18.83	18.82	18.73		
15	256QAM	1	0	16.97	16.96	16.94	18	2
15	256QAM	1	37	16.86	16.78	16.70		
15	256QAM	1	74	16.76	16.77	16.79		
15	256QAM	36	0	16.81	16.91	16.85	18	2
15	256QAM	36	20	16.80	16.79	16.86		
15	256QAM	36	39	16.72	16.92	16.83		
15	256QAM	75	0	16.76	16.92	16.87		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.84	18.94	18.92	20	0
10	QPSK	1	25	18.74	18.83	18.78		
10	QPSK	1	49	18.83	18.78	18.83		
10	QPSK	25	0	18.74	18.90	18.90	20	0
10	QPSK	25	12	18.87	18.84	18.84		
10	QPSK	25	25	18.82	18.85	18.78		
10	QPSK	50	0	18.83	18.87	18.78		
10	16QAM	1	0	18.82	18.76	18.84	20	0
10	16QAM	1	25	18.74	18.70	18.77		
10	16QAM	1	49	18.73	18.67	18.69		
10	16QAM	25	0	18.74	18.91	18.89	20	0
10	16QAM	25	12	18.86	18.70	18.73		
10	16QAM	25	25	18.71	18.83	18.83		
10	16QAM	50	0	18.71	18.85	18.77		
10	64QAM	1	0	18.76	18.89	18.87	20	0
10	64QAM	1	25	18.80	18.84	18.77		
10	64QAM	1	49	18.73	18.78	18.85		
10	64QAM	25	0	18.64	18.81	18.89	20	0
10	64QAM	25	12	18.80	18.72	18.84		
10	64QAM	25	25	18.75	18.78	18.77		
10	64QAM	50	0	18.72	18.76	18.72		
10	256QAM	1	0	16.93	16.99	16.92	18	2
10	256QAM	1	25	16.89	16.83	16.68		
10	256QAM	1	49	16.79	16.76	16.84		
10	256QAM	25	0	16.72	16.88	16.91	18	2
10	256QAM	25	12	16.90	16.84	16.91		
10	256QAM	25	25	16.72	16.94	16.80		
10	256QAM	50	0	16.72	16.93	16.89		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	18.88	18.94	18.95	20	0
5	QPSK	1	12	18.77	18.79	18.83		
5	QPSK	1	24	18.75	18.78	18.77		
5	QPSK	12	0	18.78	18.94	18.94	20	0
5	QPSK	12	7	18.83	18.87	18.76		
5	QPSK	12	13	18.74	18.87	18.77		
5	QPSK	25	0	18.77	18.84	18.78		
5	16QAM	1	0	18.85	18.77	18.79	20	0
5	16QAM	1	12	18.75	18.77	18.70		
5	16QAM	1	24	18.67	18.68	18.70		
5	16QAM	12	0	18.75	18.87	18.90	20	0
5	16QAM	12	7	18.86	18.72	18.76		
5	16QAM	12	13	18.74	18.81	18.82		
5	16QAM	25	0	18.71	18.84	18.69		
5	64QAM	1	0	18.81	18.84	18.87	20	0
5	64QAM	1	12	18.75	18.83	18.83		
5	64QAM	1	24	18.68	18.70	18.81		
5	64QAM	12	0	18.65	18.83	18.86	20	0
5	64QAM	12	7	18.85	18.79	18.77		
5	64QAM	12	13	18.67	18.84	18.82		
5	64QAM	25	0	18.81	18.83	18.77		
5	256QAM	1	0	16.98	17.04	16.94	18	2
5	256QAM	1	12	16.85	16.87	16.72		
5	256QAM	1	24	16.83	16.81	16.90		
5	256QAM	12	0	16.72	16.91	16.94	18	2
5	256QAM	12	7	16.86	16.90	16.86		
5	256QAM	12	13	16.77	16.98	16.80		
5	256QAM	25	0	16.76	16.94	16.86		
Channel				131972	132322	132672	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	18.85	18.93	18.92	20	0
3	QPSK	1	8	18.83	18.88	18.77		
3	QPSK	1	14	18.79	18.77	18.75		
3	QPSK	8	0	18.73	18.95	18.88	20	0
3	QPSK	8	4	18.85	18.86	18.76		
3	QPSK	8	7	18.84	18.90	18.75		
3	QPSK	15	0	18.74	18.95	18.86		
3	16QAM	1	0	18.79	18.79	18.80	20	0
3	16QAM	1	8	18.70	18.72	18.75		
3	16QAM	1	14	18.69	18.72	18.73		
3	16QAM	8	0	18.70	18.86	18.90	20	0
3	16QAM	8	4	18.77	18.75	18.66		
3	16QAM	8	7	18.67	18.78	18.72		
3	16QAM	15	0	18.76	18.84	18.72		
3	64QAM	1	0	18.76	18.95	18.88	20	0
3	64QAM	1	8	18.78	18.78	18.73		
3	64QAM	1	14	18.62	18.68	18.73		
3	64QAM	8	0	18.72	18.88	18.82	20	0
3	64QAM	8	4	18.80	18.74	18.80		
3	64QAM	8	7	18.71	18.87	18.81		
3	64QAM	15	0	18.74	18.76	18.80		
3	256QAM	1	0	16.98	17.00	16.93	18	2
3	256QAM	1	8	16.79	16.82	16.69		
3	256QAM	1	14	16.78	16.84	16.81		
3	256QAM	8	0	16.81	16.93	16.89	18	2
3	256QAM	8	4	16.89	16.89	16.82		
3	256QAM	8	7	16.81	16.91	16.76		
3	256QAM	15	0	16.70	16.99	16.84		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	18.87	18.88	18.94	20	0
1.4	QPSK	1	3	18.77	18.86	18.82		
1.4	QPSK	1	5	18.75	18.79	18.76		
1.4	QPSK	3	0	18.80	18.90	18.90		
1.4	QPSK	3	1	18.87	18.86	18.80		
1.4	QPSK	3	3	18.75	18.88	18.84		
1.4	QPSK	6	0	18.74	18.86	18.84	20	0
1.4	16QAM	1	0	18.91	18.85	18.82	20	0
1.4	16QAM	1	3	18.78	18.79	18.73		
1.4	16QAM	1	5	18.72	18.69	18.71		
1.4	16QAM	3	0	18.71	18.83	18.90		
1.4	16QAM	3	1	18.87	18.71	18.70		
1.4	16QAM	3	3	18.68	18.72	18.73		
1.4	16QAM	6	0	18.68	18.82	18.69	20	0
1.4	64QAM	1	0	18.78	18.90	18.86	20	0
1.4	64QAM	1	3	18.76	18.78	18.83		
1.4	64QAM	1	5	18.70	18.71	18.77		
1.4	64QAM	3	0	18.62	18.81	18.87		
1.4	64QAM	3	1	18.78	18.75	18.79		
1.4	64QAM	3	3	18.75	18.79	18.83		
1.4	64QAM	6	0	18.80	18.80	18.74	20	0
1.4	256QAM	1	0	16.92	16.96	16.91	18	2
1.4	256QAM	1	3	16.88	16.86	16.72		
1.4	256QAM	1	5	16.76	16.82	16.89		
1.4	256QAM	3	0	16.76	16.86	16.86		
1.4	256QAM	3	1	16.81	16.90	16.93		
1.4	256QAM	3	3	16.82	16.94	16.75		
1.4	256QAM	6	0	16.78	16.97	16.85	18	2

Band 38 Ant4 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.68	21.73	21.71	23.2	0
20	QPSK	1	49	21.63	21.63	21.62		
20	QPSK	1	99	21.62	21.70	21.58		
20	QPSK	50	0	21.59	21.70	21.66	23.2	0
20	QPSK	50	24	21.66	21.67	21.60		
20	QPSK	50	50	21.62	21.64	21.68		
20	QPSK	100	0	21.58	21.68	21.66		
20	16QAM	1	0	21.57	21.62	21.67	23.2	0
20	16QAM	1	49	21.58	21.51	21.49		
20	16QAM	1	99	21.54	21.63	21.50		
20	16QAM	50	0	21.21	21.22	21.25	22.7	0.5
20	16QAM	50	24	21.16	21.11	21.12		
20	16QAM	50	50	21.15	21.24	21.07		
20	16QAM	100	0	21.11	21.25	21.17		
20	64QAM	1	0	21.16	21.16	21.05	22.7	0.5
20	64QAM	1	49	21.10	21.09	21.24		
20	64QAM	1	99	21.06	21.16	21.18		
20	64QAM	50	0	20.14	20.23	20.25	21.7	1.5
20	64QAM	50	24	20.15	20.11	20.18		
20	64QAM	50	50	20.13	20.26	20.05		
20	64QAM	100	0	20.05	20.15	20.10		
20	256QAM	1	0	18.20	18.26	18.17	19.7	3.5
20	256QAM	1	49	18.07	18.11	18.13		
20	256QAM	1	99	18.17	18.20	18.13		
20	256QAM	50	0	18.15	18.20	18.22	19.7	3.5
20	256QAM	50	24	18.20	18.20	18.13		
20	256QAM	50	50	18.15	18.20	18.23		
20	256QAM	100	0	18.06	18.22	18.16		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.63	21.64	21.63	23.2	0
15	QPSK	1	37	21.58	21.50	21.49		
15	QPSK	1	74	21.59	21.66	21.50		
15	QPSK	36	0	21.55	21.59	21.56	23.2	0
15	QPSK	36	20	21.55	21.54	21.48		
15	QPSK	36	39	21.56	21.52	21.58		
15	QPSK	75	0	21.52	21.60	21.57		
15	16QAM	1	0	21.51	21.59	21.63	23.2	0
15	16QAM	1	37	21.51	21.41	21.42		
15	16QAM	1	74	21.42	21.56	21.38		
15	16QAM	36	0	21.18	21.17	21.20	22.7	0.5
15	16QAM	36	20	21.11	21.08	21.02		
15	16QAM	36	39	21.08	21.21	21.01		
15	16QAM	75	0	20.99	21.18	21.08		
15	64QAM	1	0	21.11	21.08	20.98	22.7	0.5
15	64QAM	1	37	21.01	20.95	21.10		
15	64QAM	1	74	21.04	21.04	21.13		
15	64QAM	36	0	20.07	20.10	20.13	21.7	1.5
15	64QAM	36	20	20.10	20.01	20.08		
15	64QAM	36	39	20.04	20.22	19.98		
15	64QAM	75	0	19.97	20.02	20.01		
15	256QAM	1	0	18.11	18.14	18.06	19.7	3.5
15	256QAM	1	37	18.03	17.99	18.01		
15	256QAM	1	74	18.10	18.13	18.09		
15	256QAM	36	0	18.02	18.16	18.15	19.7	3.5
15	256QAM	36	20	18.09	18.15	18.08		
15	256QAM	36	39	18.03	18.08	18.12		
15	256QAM	75	0	17.93	18.13	18.08		
Channel				37800	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.61	21.63	21.60	23.2	0
10	QPSK	1	25	21.56	21.51	21.55		
10	QPSK	1	49	21.49	21.61	21.53		
10	QPSK	25	0	21.51	21.62	21.58	23.2	0
10	QPSK	25	12	21.60	21.60	21.52		
10	QPSK	25	25	21.58	21.50	21.66		
10	QPSK	50	0	21.54	21.55	21.54	23.2	0
10	16QAM	1	0	21.44	21.54	21.65		
10	16QAM	1	25	21.44	21.38	21.41		
10	16QAM	1	49	21.47	21.53	21.38		
10	16QAM	25	0	21.12	21.17	21.17	22.7	0.5
10	16QAM	25	12	21.10	21.06	21.02		
10	16QAM	25	25	21.07	21.16	21.05		
10	16QAM	50	0	21.05	21.12	21.13		
10	64QAM	1	0	21.11	21.12	20.95	22.7	0.5
10	64QAM	1	25	20.97	21.02	21.15		
10	64QAM	1	49	21.01	21.11	21.08		
10	64QAM	25	0	20.08	20.20	20.21	21.7	1.5
10	64QAM	25	12	20.07	19.99	20.08		
10	64QAM	25	25	20.05	20.17	19.97		
10	64QAM	50	0	19.92	20.12	20.01		
10	256QAM	1	0	18.11	18.20	18.11	19.7	3.5
10	256QAM	1	25	18.03	18.00	18.02		
10	256QAM	1	49	18.03	18.13	17.99		
10	256QAM	25	0	18.09	18.17	18.10	19.7	3.5
10	256QAM	25	12	18.06	18.07	18.08		
10	256QAM	25	25	18.09	18.09	18.14		
10	256QAM	50	0	17.98	18.17	18.05		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.56	21.65	21.63	23.2	0
5	QPSK	1	12	21.57	21.60	21.57		
5	QPSK	1	24	21.53	21.60	21.54		
5	QPSK	12	0	21.53	21.68	21.64	23.2	0
5	QPSK	12	7	21.63	21.56	21.48		
5	QPSK	12	13	21.52	21.53	21.61		
5	QPSK	25	0	21.55	21.66	21.57		
5	16QAM	1	0	21.48	21.55	21.60	23.2	0
5	16QAM	1	12	21.47	21.43	21.37		
5	16QAM	1	24	21.51	21.57	21.44		
5	16QAM	12	0	21.16	21.16	21.12	22.7	0.5
5	16QAM	12	7	21.11	21.09	21.00		
5	16QAM	12	13	21.10	21.15	21.00		
5	16QAM	25	0	21.03	21.20	21.12		
5	64QAM	1	0	21.13	21.12	21.00	22.7	0.5
5	64QAM	1	12	21.07	21.07	21.16		
5	64QAM	1	24	20.93	21.09	21.16		
5	64QAM	12	0	20.03	20.13	20.22	21.7	1.5
5	64QAM	12	7	20.05	20.02	20.12		
5	64QAM	12	13	20.02	20.24	20.00		
5	64QAM	25	0	19.93	20.13	20.03		
5	256QAM	1	0	18.11	18.17	18.06	19.7	3.5
5	256QAM	1	12	18.02	18.05	17.99		
5	256QAM	1	24	18.12	18.15	18.05		
5	256QAM	12	0	18.02	18.15	18.19	19.7	3.5
5	256QAM	12	7	18.07	18.10	18.08		
5	256QAM	12	13	18.03	18.09	18.12		
5	256QAM	25	0	18.03	18.08	18.05		

Band 41 Ant4 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.75	20.73	20.79	20.70	20.69	22.2	0
20	QPSK	1	49	20.72	20.62	20.67	20.58	20.57		
20	QPSK	1	99	20.68	20.71	20.76	20.66	20.58		
20	QPSK	50	0	20.71	20.61	20.75	20.61	20.64	22.2	0
20	QPSK	50	24	20.73	20.62	20.73	20.64	20.57		
20	QPSK	50	50	20.70	20.60	20.70	20.57	20.59		
20	QPSK	100	0	20.69	20.62	20.72	20.59	20.59		
20	16QAM	1	0	20.61	20.66	20.66	20.59	20.60	22.2	0
20	16QAM	1	49	20.69	20.59	20.60	20.50	20.45		
20	16QAM	1	99	20.66	20.64	20.63	20.57	20.52		
20	16QAM	50	0	20.65	20.48	20.68	20.51	20.61	22.2	0
20	16QAM	50	24	20.66	20.53	20.69	20.56	20.47		
20	16QAM	50	50	20.66	20.53	20.67	20.45	20.49		
20	16QAM	100	0	20.58	20.52	20.65	20.46	20.52		
20	64QAM	1	0	20.71	20.69	20.71	20.60	20.65	22.2	0
20	64QAM	1	49	20.61	20.57	20.62	20.47	20.43		
20	64QAM	1	99	20.62	20.58	20.63	20.59	20.53		
20	64QAM	50	0	20.26	20.24	20.33	20.23	20.14	21.7	0.5
20	64QAM	50	24	20.20	20.08	20.17	20.06	20.02		
20	64QAM	50	50	20.23	20.16	20.27	20.15	20.08		
20	64QAM	100	0	20.24	20.17	20.28	20.11	20.16		
20	256QAM	1	0	18.31	18.23	18.34	18.21	18.17	19.7	2.5
20	256QAM	1	49	18.19	18.15	18.13	18.07	18.13		
20	256QAM	1	99	18.16	18.19	18.27	18.22	18.12		
20	256QAM	50	0	18.16	18.06	18.26	18.12	18.16	19.7	2.5
20	256QAM	50	24	18.19	18.18	18.18	18.16	18.10		
20	256QAM	50	50	18.25	18.05	18.25	18.10	18.08		
20	256QAM	100	0	18.15	18.16	18.28	18.13	18.11		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.62	20.59	20.69	20.58	20.58	22	0
15	QPSK	1	37	20.61	20.51	20.63	20.46	20.50		
15	QPSK	1	74	20.61	20.60	20.65	20.52	20.50		
15	QPSK	36	0	20.57	20.54	20.70	20.48	20.58	22.2	0
15	QPSK	36	20	20.68	20.58	20.70	20.57	20.50		
15	QPSK	36	39	20.67	20.53	20.59	20.52	20.46		
15	QPSK	75	0	20.58	20.60	20.64	20.51	20.48		
15	16QAM	1	0	20.57	20.57	20.58	20.54	20.50	22.2	0
15	16QAM	1	37	20.58	20.55	20.54	20.46	20.41		
15	16QAM	1	74	20.54	20.60	20.50	20.54	20.49		
15	16QAM	36	0	20.59	20.40	20.59	20.39	20.56	22.2	0
15	16QAM	36	20	20.55	20.44	20.66	20.53	20.40		
15	16QAM	36	39	20.53	20.43	20.64	20.33	20.41		
15	16QAM	75	0	20.47	20.49	20.58	20.43	20.38		
15	64QAM	1	0	20.63	20.56	20.61	20.53	20.53	22.2	0
15	64QAM	1	37	20.49	20.53	20.57	20.33	20.36		
15	64QAM	1	74	20.58	20.52	20.54	20.49	20.41		
15	64QAM	36	0	20.21	20.21	20.22	20.15	20.08	21.7	0.5
15	64QAM	36	20	20.18	20.00	20.12	20.02	19.99		
15	64QAM	36	39	20.17	20.09	20.21	20.10	20.01		
15	64QAM	75	0	20.15	20.09	20.14	20.01	20.12		
15	256QAM	1	0	18.22	18.13	18.29	18.17	18.13	19.7	2.5
15	256QAM	1	37	18.05	18.11	18.00	18.03	18.06		
15	256QAM	1	74	18.03	18.17	18.15	18.20	18.07		
15	256QAM	36	0	18.10	17.98	18.13	18.09	18.07	19.7	2.5
15	256QAM	36	20	18.07	18.05	18.14	18.03	18.00		
15	256QAM	36	39	18.22	17.97	18.11	17.96	17.98		
15	256QAM	75	0	18.12	18.05	18.22	18.06	18.07		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.61	20.70	20.76	20.67	20.61	22	0
10	QPSK	1	25	20.58	20.56	20.63	20.55	20.44		
10	QPSK	1	49	20.54	20.57	20.65	20.53	20.44		
10	QPSK	25	0	20.68	20.47	20.63	20.54	20.59	22.2	0
10	QPSK	25	12	20.62	20.48	20.61	20.57	20.53		
10	QPSK	25	25	20.60	20.55	20.63	20.46	20.54		
10	QPSK	50	0	20.60	20.59	20.69	20.54	20.51	22.2	0
10	16QAM	1	0	20.55	20.63	20.54	20.51	20.55		
10	16QAM	1	25	20.55	20.52	20.53	20.48	20.42		
10	16QAM	1	49	20.62	20.52	20.50	20.44	20.49		
10	16QAM	25	0	20.54	20.45	20.65	20.47	20.49	22.2	0
10	16QAM	25	12	20.63	20.41	20.64	20.47	20.35		
10	16QAM	25	25	20.58	20.47	20.58	20.36	20.43		
10	16QAM	50	0	20.55	20.46	20.55	20.34	20.40		
10	64QAM	1	0	20.64	20.60	20.66	20.48	20.63	22.2	0
10	64QAM	1	25	20.58	20.45	20.55	20.44	20.39		
10	64QAM	1	49	20.49	20.46	20.52	20.52	20.42		
10	64QAM	25	0	20.16	20.20	20.20	20.14	20.08	21.7	0.5
10	64QAM	25	12	20.12	19.99	20.04	19.98	19.96		
10	64QAM	25	25	20.11	20.08	20.19	20.01	20.04		
10	64QAM	50	0	20.16	20.07	20.16	20.03	20.05		
10	256QAM	1	0	18.27	18.11	18.22	18.12	18.08	19.7	2.5
10	256QAM	1	25	18.06	18.05	18.03	18.03	18.10		
10	256QAM	1	49	18.10	18.13	18.15	18.13	17.99		
10	256QAM	25	0	18.05	17.95	18.24	18.10	18.06	19.7	2.5
10	256QAM	25	12	18.08	18.11	18.15	18.05	17.98		
10	256QAM	25	25	18.17	17.92	18.13	18.07	17.95		
10	256QAM	50	0	18.01	18.12	18.19	18.06	18.06		
Channel				39675	40140	40620	41093	41565	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.66	20.60	20.69	20.58	20.65	22	0
5	QPSK	1	12	20.66	20.51	20.54	20.49	20.44		
5	QPSK	1	24	20.60	20.66	20.74	20.53	20.46		
5	QPSK	12	0	20.65	20.48	20.66	20.53	20.55	22.2	0
5	QPSK	12	7	20.64	20.59	20.70	20.51	20.44		
5	QPSK	12	13	20.59	20.54	20.59	20.55	20.56		
5	QPSK	25	0	20.62	20.56	20.60	20.49	20.47		
5	16QAM	1	0	20.55	20.58	20.53	20.50	20.47	22.2	0
5	16QAM	1	12	20.65	20.51	20.48	20.39	20.33		
5	16QAM	1	24	20.53	20.62	20.54	20.53	20.40		
5	16QAM	12	0	20.56	20.34	20.55	20.40	20.48	22.2	0
5	16QAM	12	7	20.61	20.45	20.59	20.52	20.40		
5	16QAM	12	13	20.63	20.50	20.61	20.40	20.41		
5	16QAM	25	0	20.54	20.48	20.63	20.38	20.49		
5	64QAM	1	0	20.67	20.64	20.58	20.47	20.57	22.2	0
5	64QAM	1	12	20.58	20.47	20.55	20.41	20.36		
5	64QAM	1	24	20.55	20.52	20.56	20.50	20.42		
5	64QAM	12	0	20.19	20.10	20.23	20.14	20.03	21.7	0.5
5	64QAM	12	7	20.06	19.98	20.06	19.95	20.00		
5	64QAM	12	13	20.21	20.12	20.16	20.01	19.94		
5	64QAM	25	0	20.20	20.07	20.21	20.05	20.13		
5	256QAM	1	0	18.28	18.21	18.23	18.12	18.06	19.7	2.5
5	256QAM	1	12	18.06	18.10	18.04	18.00	18.06		
5	256QAM	1	24	18.03	18.06	18.14	18.20	17.99		
5	256QAM	12	0	18.04	17.94	18.21	18.02	18.07	19.7	2.5
5	256QAM	12	7	18.17	18.06	18.05	18.11	18.06		
5	256QAM	12	13	18.22	17.94	18.15	17.98	18.01		
5	256QAM	25	0	18.08	18.03	18.24	18.09	18.08		

Band 42 Ant4 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	21.18	21.20	21.16	22.2	0
20	QPSK	1	49	21.10	21.06	21.04		
20	QPSK	1	99	21.10	21.07	21.12		
20	QPSK	50	0	21.15	21.17	21.05	22.2	0
20	QPSK	50	24	21.07	21.12	21.05		
20	QPSK	50	50	21.04	21.14	21.03		
20	QPSK	100	0	21.08	21.14	21.12		
20	16QAM	1	0	21.11	21.14	21.06	22.2	0
20	16QAM	1	49	21.07	21.03	20.94		
20	16QAM	1	99	21.04	20.97	21.05		
20	16QAM	50	0	21.08	21.13	20.99	22.2	0
20	16QAM	50	24	20.96	21.04	20.94		
20	16QAM	50	50	20.98	21.06	20.94		
20	16QAM	100	0	20.95	21.01	21.03		
20	64QAM	1	0	21.12	21.10	21.09	22.2	0
20	64QAM	1	49	21.05	20.97	20.90		
20	64QAM	1	99	20.96	20.99	21.06		
20	64QAM	50	0	21.07	21.11	20.93	22.2	0
20	64QAM	50	24	20.96	21.01	21.00		
20	64QAM	50	50	21.00	21.09	20.92		
20	64QAM	100	0	21.01	21.06	21.05		
20	256QAM	1	0	19.23	19.16	19.16	20.2	2
20	256QAM	1	49	19.06	19.03	19.03		
20	256QAM	1	99	19.15	19.12	19.14		
20	256QAM	50	0	19.15	19.14	19.06	20.2	2
20	256QAM	50	24	19.10	19.14	19.06		
20	256QAM	50	50	19.01	19.19	19.04		
20	256QAM	100	0	19.14	19.14	19.12		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	21.08	21.18	21.07	22.2	0
15	QPSK	1	37	20.96	20.94	20.93		
15	QPSK	1	74	20.96	21.00	20.99		
15	QPSK	36	0	21.08	21.07	20.97	22.2	0
15	QPSK	36	20	20.93	21.08	20.93		
15	QPSK	36	39	20.94	21.06	20.89		
15	QPSK	75	0	20.97	21.07	20.99		
15	16QAM	1	0	20.97	21.12	20.93	22.2	0
15	16QAM	1	37	21.02	20.91	20.88		
15	16QAM	1	74	21.02	20.92	20.95		
15	16QAM	36	0	20.94	21.08	20.94	22.2	0
15	16QAM	36	20	20.84	21.00	20.84		
15	16QAM	36	39	20.91	20.96	20.86		
15	16QAM	75	0	20.90	20.98	20.94		
15	64QAM	1	0	21.00	21.02	21.03	22.2	0
15	64QAM	1	37	21.02	20.90	20.78		
15	64QAM	1	74	20.87	20.87	20.96		
15	64QAM	36	0	21.02	21.01	20.87	22.2	0
15	64QAM	36	20	20.86	20.98	20.87		
15	64QAM	36	39	20.88	21.07	20.84		
15	64QAM	75	0	20.91	20.97	20.96		
15	256QAM	1	0	19.18	19.07	19.06	20.2	2
15	256QAM	1	37	19.02	18.97	18.89		
15	256QAM	1	74	19.01	19.01	19.12		
15	256QAM	36	0	19.03	19.07	18.95	20.2	2
15	256QAM	36	20	18.96	19.10	18.96		
15	256QAM	36	39	18.90	19.10	18.91		
15	256QAM	75	0	19.01	19.03	19.02		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	21.13	21.10	21.07	22.2	0
10	QPSK	1	25	21.02	20.98	20.97		
10	QPSK	1	49	21.02	20.98	21.04		
10	QPSK	25	0	21.01	21.13	21.01	22.2	0
10	QPSK	25	12	20.96	21.07	20.94		
10	QPSK	25	25	20.97	21.02	20.97		
10	QPSK	50	0	21.05	21.07	21.00	22.2	0
10	16QAM	1	0	21.03	21.10	20.98		
10	16QAM	1	25	20.94	20.90	20.90		
10	16QAM	1	49	20.94	20.84	21.01		
10	16QAM	25	0	21.00	21.02	20.96	22.2	0
10	16QAM	25	12	20.93	20.99	20.80		
10	16QAM	25	25	20.90	20.92	20.88		
10	16QAM	50	0	20.84	20.94	20.94	22.2	0
10	64QAM	1	0	21.01	21.07	20.98		
10	64QAM	1	25	20.97	20.93	20.86		
10	64QAM	1	49	20.84	20.86	21.01	22.2	0
10	64QAM	25	0	20.97	21.08	20.85		
10	64QAM	25	12	20.90	20.94	20.89		
10	64QAM	25	25	20.95	21.02	20.82		
10	64QAM	50	0	20.93	21.01	20.99	22.2	0
10	256QAM	1	0	19.18	19.12	19.12		
10	256QAM	1	25	19.03	18.94	19.01	20.2	2
10	256QAM	1	49	19.10	18.99	19.06		
10	256QAM	25	0	19.01	19.07	18.98	20.2	2
10	256QAM	25	12	18.98	19.08	19.04		
10	256QAM	25	25	18.92	19.10	18.97		
10	256QAM	50	0	19.03	19.00	19.02		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	21.06	21.15	21.06	22.2	0
5	QPSK	1	12	20.96	20.96	20.96		
5	QPSK	1	24	21.01	20.95	21.07		
5	QPSK	12	0	21.05	21.09	21.00	22.2	0
5	QPSK	12	7	20.99	21.01	20.97		
5	QPSK	12	13	20.94	21

		WCDMA II Ant6 DSI 4				WCDMA IV Ant6 DSI 4			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.00	22.11	22.01	23.30	21.34	21.44	21.34	22.90
3GPP Rel 99	RMC 12.2Kbps	22.13	22.16	22.02	23.30	21.44	21.54	21.47	22.90
3GPP Rel 6	HSDPA Subtest-1	21.23	21.08	21.11	22.30	20.54	20.47	20.52	21.90
3GPP Rel 6	HSDPA Subtest-2	21.09	21.16	21.10	22.30	20.43	20.54	20.45	21.90
3GPP Rel 6	HSDPA Subtest-3	20.59	20.66	20.58	21.80	19.99	19.98	19.92	21.40
3GPP Rel 6	HSDPA Subtest-4	20.57	20.66	20.56	21.80	19.89	20.06	19.89	21.40
3GPP Rel 8	DC-HSDPA Subtest-1	21.18	21.15	21.07	22.30	20.48	20.50	20.40	21.90
3GPP Rel 8	DC-HSDPA Subtest-2	21.12	21.10	21.10	22.30	20.50	20.49	20.46	21.90
3GPP Rel 8	DC-HSDPA Subtest-3	20.51	20.69	20.67	21.80	19.82	20.02	19.97	21.40
3GPP Rel 8	DC-HSDPA Subtest-4	20.64	20.61	20.52	21.80	19.93	19.96	19.82	21.40
3GPP Rel 6	HSUPA Subtest-1	21.13	21.07	21.05	22.30	20.49	20.42	20.46	21.90
3GPP Rel 6	HSUPA Subtest-2	19.21	19.16	19.09	20.30	18.51	18.55	18.39	19.90
3GPP Rel 6	HSUPA Subtest-3	20.11	20.07	20.05	21.30	19.49	19.46	19.35	20.90
3GPP Rel 6	HSUPA Subtest-4	19.16	19.21	19.09	20.30	18.49	18.53	18.42	19.90
3GPP Rel 6	HSUPA Subtest-5	21.06	21.05	21.03	22.30	20.41	20.43	20.34	21.90
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.67	18.69	18.57	19.80	17.97	18.04	17.92	19.40

Band 2 Ant6 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			18700	18900	19100		
	Frequency (MHz)			1860	1880	1900		
20	QPSK	1	0	22.27	22.41	22.30		
20	QPSK	1	49	22.15	22.34	22.20	23.8	0
20	QPSK	1	99	22.16	22.26	22.17		
20	QPSK	50	0	21.25	21.38	21.29		
20	QPSK	50	24	21.23	21.35	21.32	22.8	1
20	QPSK	50	50	21.24	21.30	21.24		
20	QPSK	100	0	21.31	21.39	21.29		
20	16QAM	1	0	21.24	21.41	21.30		
20	16QAM	1	49	21.26	21.43	21.24	22.8	1
20	16QAM	1	99	21.31	21.37	21.27		
20	16QAM	50	0	20.29	20.37	20.29		
20	16QAM	50	24	20.31	20.40	20.33	21.8	2
20	16QAM	50	50	20.26	20.38	20.31		
20	16QAM	100	0	20.29	20.42	20.28		
20	64QAM	1	0	20.26	20.46	20.30		
20	64QAM	1	49	20.23	20.46	20.25	21.8	2
20	64QAM	1	99	20.28	20.44	20.27		
20	64QAM	50	0	19.25	19.37	19.30		
20	64QAM	50	24	19.32	19.41	19.31	20.8	3
20	64QAM	50	50	19.29	19.41	19.28		
20	64QAM	100	0	19.23	19.39	19.27		
20	256QAM	1	0	17.28	17.39	17.36		
20	256QAM	1	49	17.21	17.38	17.29	18.8	5
20	256QAM	1	99	17.30	17.37	17.28		
20	256QAM	50	0	17.23	17.41	17.29		
20	256QAM	50	24	17.25	17.45	17.32	18.8	5
20	256QAM	50	50	17.25	17.44	17.25		
20	256QAM	100	0	17.22	17.36	17.31		
	Channel			18675	18900	19125		
	Frequency (MHz)			1857.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	22.20	22.26	22.16		
15	QPSK	1	37	22.07	22.24	22.07	23.8	0
15	QPSK	1	74	22.07	22.19	22.02		
15	QPSK	36	0	21.09	21.24	21.22		
15	QPSK	36	20	21.16	21.27	21.18	22.8	1
15	QPSK	36	39	21.19	21.24	21.09	21.44	
15	QPSK	75	0	21.19	21.23	21.23		
15	16QAM	1	0	21.11	21.26	21.19		
15	16QAM	1	37	21.15	21.32	21.09	22.8	1
15	16QAM	1	74	21.24	21.24	21.15		
15	16QAM	36	0	20.17	20.24	20.20		
15	16QAM	36	20	20.20	20.27	20.25	21.8	2
15	16QAM	36	39	20.19	20.26	20.22		
15	16QAM	75	0	20.17	20.37	20.22		
15	64QAM	1	0	20.16	20.35	20.15		
15	64QAM	1	37	20.10	20.36	20.18	21.8	2
15	64QAM	1	74	20.23	20.31	20.14		
15	64QAM	36	0	19.14	19.30	19.20		
15	64QAM	36	20	19.26	19.26	19.27	20.8	3
15	64QAM	36	39	19.15	19.29	19.19		
15	64QAM	75	0	19.16	19.31	19.21		
15	256QAM	1	0	17.23	17.29	17.32		
15	256QAM	1	37	17.14	17.34	17.20	18.8	5
15	256QAM	1	74	17.20	17.25	17.20		
15	256QAM	36	0	17.09	17.26	17.16		
15	256QAM	36	20	17.15	17.41	17.26	18.8	5
15	256QAM	36	39	17.15	17.29	17.12		
15	256QAM	75	0	17.07	17.21	17.21		
	Channel			18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1855	1880	1905		
10	QPSK	1	0	22.12	22.36	22.25		
10	QPSK	1	25	22.06	22.24	22.15	23.8	0
10	QPSK	1	49	22.03	22.21	22.06		
10	QPSK	25	0	21.18	21.26	21.18		
10	QPSK	25	12	21.07	21.27	21.22	22.8	1
10	QPSK	25	25	21.19	21.25	21.22		
10	QPSK	50	0	21.21	21.31	21.15		
10	16QAM	1	0	21.14	21.25	21.21		
10	16QAM	1	25	21.16	21.37	21.10	22.8	1
10	16QAM	1	49	21.29	21.26	21.16		
10	16QAM	25	0	20.15	20.27	20.16		
10	16QAM	25	12	20.21	20.31	20.17	21.8	2
10	16QAM	25	25	20.21	20.33	20.22		
10	16QAM	50	0	20.16	20.31	20.21		
10	64QAM	1	0	20.11	20.41	20.20		
10	64QAM	1	25	20.10	20.34	20.12	21.8	2
10	64QAM	1	49	20.17	20.30	20.13		
10	64QAM	25	0	19.19	19.26	19.17		
10	64QAM	25	12	19.24	19.31	19.21	20.8	3
10	64QAM	25	25	19.14	19.30	19.13		
10	64QAM	50	0	19.09	19.24	19.20		
10	64QAM	50	0	17.16	17.28	17.22		
10	256QAM	1	25	17.11	17.33	17.19	18.8	5
10	256QAM	1	49	17.23	17.27	17.19		
10	256QAM	25	0	17.10	17.33	17.16		
10	256QAM	25	12	17.13	17.27	17.29	18.8	5
10	256QAM	25	25	17.18	17.40	17.12		
10	256QAM	50	0	17.18	17.27	17.21		
	Channel			18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1852.5	1880	1907.5		
5	QPSK	1	0	22.17	22.37	22.24		
5	QPSK	1	12	22.03	22.18	22.09	23.8	0
5	QPSK	1	24	22.04	22.16	22.12		
5	QPSK	12	0	21.21	21.23	21.13		
5	QPSK	12	7	21.08	21.29	21.22	22.8	1
5	QPSK	12	13	21.18	21.20	21.18		
5	QPSK	25	0	21.22	21.25	21.17		
5	16QAM	1	0	21.09	21.33	21.20		
5	16QAM	1	12	21.13	21.30	21.15	22.8	1
5	16QAM	1	24	21.21	21.33	21.22		
5	16QAM	12	0	20.14	20.28	20.22		
5	16QAM	12	7	20.26	20.35	20.28	21.8	2
5	16QAM	12	13	20.15	20.23	20.25		
5	16QAM	25	0	20.22	20.38	20.20		
5	64QAM	1	0	20.18	20.39	20.26		
5	64QAM	1	12	20.11	20.36	20.10	21.8	2
5	64QAM	1	24	20.17	20.38	20.13		
5	64QAM	12	0	19.18	19.28	19.24		
5	64QAM	12	7	19.24	19.26	19.24	20.8	3
5	64QAM	12	13	19.14	19.26	19.15		
5	64QAM	25	0	19.10	19.27	19.11		
5	256QAM	1	0	17.16	17.27	17.27		
5	256QAM	1	12	17.11	17.25	17.19	18.8	5
5	256QAM	1	24	17.19	17.21	17.14		
5	256QAM	12	0	17.10	17.30	17.22		
5	256QAM	12	7	17.16	17.34	17.22	18.8	5
5	256QAM	12	13	17.21	17.39	17.21		
5	256QAM	25	0	17.09	17.24	17.21		
	Channel			18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1851.5	1880	1908.5		
3	QPSK	1	0	22.12	22.27	22.19		
3	QPSK	1	8	22.07	22.26	22.14	23.8	0
3	QPSK	1	14	22.03	22.14	22.12		
3	QPSK	8	0	21.16	21.30	21.18		
3	QPSK	8	4	21.08	21.27	21.19	22.8	1
3	QPSK	8	7	21.13	21.19	21.18		
3	QPSK	15	0	21.20	21.30	21.17		
3	16QAM	1	0	21.10	21.31	21.20		
3	16QAM	1	8	21.18	21.38	21.14	22.8	1
3	16QAM	1	14	21.25	21.24	21.15		
3	16QAM	8	0	20.17	20.25	20.21		
3	16QAM	8	4	20.17	20.26	20.23	21.8	2
3	16QAM	8	7	20.11	20.27	20.24		
3	16QAM	15	0	20.22	20.33	20.20		
3	64QAM	1	0	20.13	20.35	20.21		
3	64QAM	1	8	20.09	20.37	20.18	21.8	2
3	64QAM	1	14	20.20	20.32	20.23		
3	64QAM	8	0	19.18	19.23	19.25		
3	64QAM	8	4	19.16	19.36	19.16	20.8	3
3	64QAM	8	7	19.20	19.37	19.17		
3	64QAM	15	0	19.13	19.28	19.12		
3	256QAM	1	0	17.18	17.24	17.32		
3	256QAM	1	8	17.14	17.23	17.16	18.8	5
3	256QAM	1	14	17.15	17.33	17.15		
3	256QAM	8	0	17.08	17.28	17.19		
3	256QAM	8	4	17.17	17.35	17.26	18.8	5
3	256QAM	8	7	17.18	17.37	17.12		
3	256QAM	15	0	17.13	17.22	17.16		
	Channel			18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1850.7	1880	1909.3		
1.4	QPSK	1	0	22.11	22.34	22.15		
1.4	QPSK	1	3	22.22	22.26	22.21		
1.4	QPSK	1	5	22.16	22.25	22.15	23.8	0
1.4	QPSK	3	0	22.18	22.28	22.25		
1.4	QPSK	3	1	22.22	22.25	22.15		
1.4	QPSK	3	3	22.13	22.36	22.25		
1.4	QPSK	3	5	21.28	21.46	21.33	22.8	1
1.4	16QAM	1	0	21.27	21.42	21.33		
1.4	16QAM	1	3	21.31	21.43	21.28		
1.4	16QAM	1	5	21.23	21.42	21.28	22.8	1
1.4	16QAM	3	0	21.29	21.38	21.30		
1.4	16QAM	3	1	21.25	21.47	21.26		
1.4	16QAM	3	3	21.23	21.45	21.30		
1.4	16QAM	6	0	20.26	20.41	20.25	21.8	2
1.4	64QAM	1	0	20.28	20.36	20.29		
1.4	64QAM	1	3	20.21	20.41	20.35		
1.4	64QAM	1	5	20.31	20.39	20.30	21.8	2
1.4	64QAM	3	0	20.26	20.43	20.35		
1.4	64QAM	3	1	20.30	20.39	20.32		
1.4	64QAM	3	3	20.24	20.43	20.32		
1.4	64QAM	6	0	19.27	19.44	19.34	20.8	3
1.4	256QAM	1	0	17.28	17.42	17.26		
1.4	256QAM	1	3	17.30	17.47	17.36		
1.4	256QAM	1	5	17.22	17.40	17.34	18.8	5
1.4	256QAM	3	0	17.31	17.36	17.35		
1.4	256QAM	3	1	17.29	17.43	17.33		
1.4	256QAM	3	3	17.31	17.41	17.33		
1.4	256QAM	6	0	17.22	17.45	17.32	18.8	5

Band 4 Ant6 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			20050	20175	20300		
	Frequency (MHz)			1720	1732.5	1745		
20	QPSK	1	0	22.54	22.62	22.59		
20	QPSK	1	49	22.46	22.59	22.55	23.9	0
20	QPSK	1	99	22.40	22.58	22.53		
20	QPSK	50	0	21.52	21.67	21.64		
20	QPSK	50	24	21.45	21.59	21.53	22.9	1
20	QPSK	50	50	21.40	21.56	21.51		
20	QPSK	100	0	21.53	21.64	21.61		
20	16QAM	1	0	21.50	21.63	21.56		
20	16QAM	1	49	21.43	21.62	21.56	22.9	1
20	16QAM	1	99	21.45	21.63	21.52		
20	16QAM	50	0	20.49	20.70	20.69		
20	16QAM	50	24	20.47	20.59	20.51	21.9	2
20	16QAM	50	50	20.36	20.62	20.51		
20	16QAM	100	0	20.48	20.69	20.56		
20	64QAM	1	0	20.53	20.63	20.57		
20	64QAM	1	49	20.42	20.57	20.58	21.9	2
20	64QAM	1	99	20.44	20.61	20.54		
20	64QAM	50	0	19.53	19.69	19.61		
20	64QAM	50	24	19.42	19.63	19.47	20.9	3
20	64QAM	50	50	19.43	19.59	19.52		
20	64QAM	100	0	19.54	19.58	19.66		
20	256QAM	1	0	17.50	17.72	17.68		
20	256QAM	1	49	17.49	17.54	17.58	18.9	5
20	256QAM	1	99	17.41	17.61	17.48		
20	256QAM	50	0	17.58	17.61	17.60		
20	256QAM	50	24	17.48	17.69	17.53	18.9	5
20	256QAM	50	50	17.44	17.57	17.53		
20	256QAM	100	0	17.50	17.66	17.47		
	Channel			20025	20175		Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1717.5	1732.5	1747.5		
15	QPSK	1	0	22.49	22.59	22.54		
15	QPSK	1	37	22.35	22.54	22.52	23.9	0
15	QPSK	1	74	22.35	22.53	22.44		
15	QPSK	36	0	21.41	21.62	21.60		
15	QPSK	36	20	21.41	21.50	21.42	22.9	1
15	QPSK	36	39	21.36	21.49	21.44		
15	QPSK	75	0	21.41	21.53	21.57		
15	16QAM	1	0	21.36	21.57	21.42		
15	16QAM	1	37	21.39	21.51	21.48	22.9	1
15	16QAM	1	74	21.36	21.60	21.48		
15	16QAM	36	0	20.40	20.56	20.63		
15	16QAM	36	20	20.41	20.46	20.38	21.9	2
15	16QAM	36	39	20.32	20.58	20.47		
15	16QAM	75	0	20.36	20.46	20.51		
15	64QAM	1	0	20.46	20.49	20.46		
15	64QAM	1	37	20.38	20.53	20.44	21.9	2
15	64QAM	1	74	20.37	20.53	20.43		
15	64QAM	36	0	19.42	19.57	19.55		
15	64QAM	36	20	19.31	19.59	19.44	20.9	3
15	64QAM	36	39	19.39	19.56	19.41		
15	64QAM	75	0	19.42	19.52	19.59		
15	256QAM	1	0	17.41	17.60	17.64		
15	256QAM	1	37	17.37	17.48	17.53	18.9	5
15	256QAM	1	74	17.36	17.57	17.38		
15	256QAM	36	0	17.51	17.57	17.47		
15	256QAM	36	20	17.37	17.56	17.49	18.9	5
15	256QAM	36	39	17.37	17.39	17.40		
15	256QAM	75	0	17.39	17.59	17.41		
	Channel			20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1715	1732.5	1750		
10	QPSK	1	0	22.49	22.59	22.50		
10	QPSK	1	25	22.35	22.56	22.53	23.9	0
10	QPSK	1	49	22.37	22.46	22.39		
10	QPSK	25	0	21.38	21.60	21.62		
10	QPSK	25	12	21.43	21.46	21.43	22.9	1
10	QPSK	25	25	21.31	21.48	21.46		
10	QPSK	50	0	21.40	21.57	21.54		
10	16QAM	1	0	21.38	21.52	21.45		
10	16QAM	1	25	21.31	21.57	21.46	22.9	1
10	16QAM	1	49	21.43	21.37	21.45		
10	16QAM	25	0	20.44	20.68	20.59		
10	16QAM	25	12	20.41	20.52	20.38	21.9	2
10	16QAM	25	25	20.31	20.60	20.46		
10	16QAM	50	0	20.38	20.62	20.50		
10	64QAM	1	0	20.51	20.51	20.52		
10	64QAM	1	25	20.30	20.44	20.48	21.9	2
10	64QAM	1	49	20.41	20.51	20.41		
10	64QAM	25	0	19.50	19.63	19.58		
10	64QAM	25	12	19.29	19.55	19.43	20.9	3
10	64QAM	25	25	19.32	19.56	19.40		
10	64QAM	50	0	19.46	19.45	19.62		
10	256QAM	1	0	17.43	17.69	17.56		
10	256QAM	1	25	17.39	17.48	17.51	18.9	5
10	256QAM	1	49	17.28	17.58	17.44		
10	256QAM	25	0	17.55	17.52	17.50		
10	256QAM	25	12	17.38	17.56	17.41	18.9	5
10	256QAM	25	25	17.33	17.49	17.40		
10	256QAM	50	0	17.41	17.56	17.37		
	Channel			19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1712.5	1732.5	1752.5		
5	QPSK	1	0	22.44	22.57	22.48		
5	QPSK	1	12	22.43	22.53	22.52	23.9	0
5	QPSK	1	24	22.28	22.53	22.43		
5	QPSK	12	0	21.48	21.62	21.60		
5	QPSK	12	7	21.32	21.50	21.49	22.9	1
5	QPSK	12	13	21.28	21.54	21.46		
5	QPSK	25	0	21.45	21.60	21.55		
5	16QAM	1	0	21.44	21.60	21.52		
5	16QAM	1	12	21.30	21.56	21.43	22.9	1
5	16QAM	1	24	21.41	21.56	21.42		
5	16QAM	12	0	20.44	20.65	20.61		
5	16QAM	12	7	20.44	20.48	20.40	21.9	2
5	16QAM	12	13	20.27	20.49	20.40		
5	16QAM	25	0	20.43	20.57	20.44		
5	64QAM	1	0	20.40	20.59	20.47		
5	64QAM	1	12	20.35	20.47	20.47	21.9	2
5	64QAM	1	24	20.42	20.53	20.50		
5	64QAM	12	0	19.41	19.62	19.53		
5	64QAM	12	7	19.38	19.54	19.38	20.9	3
5	64QAM	12	13	19.34	19.52	19.40		
5	64QAM	25	0	19.48	19.59	19.56		
5	256QAM	1	0	17.39	17.60	17.62		
5	256QAM	1	12	17.39	17.48	17.50	18.9	5
5	256QAM	1	24	17.27	17.50	17.35		
5	256QAM	12	0	17.38	17.51	17.41		
5	256QAM	12	7	17.34	17.65	17.46	18.9	5
5	256QAM	12	13	17.32	17.53	17.44		
5	256QAM	25	0	17.43	17.57	17.45		
	Channel			19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1711.5	1732.5	1753.5		
3	QPSK	1	0	22.52	22.60	22.56		
3	QPSK	1	8	22.33	22.48	22.42	23.9	0
3	QPSK	1	14	22.31	22.52	22.39		
3	QPSK	8	0	21.49	21.61	21.62		
3	QPSK	8	4	21.33	21.57	21.44	22.9	1
3	QPSK	8	7	21.33	21.43	21.48		
3	QPSK	15	0	21.49	21.52	21.50		
3	16QAM	1	0	21.44	21.51	21.48		
3	16QAM	1	8	21.32	21.52	21.51	22.9	1
3	16QAM	1	14	21.32	21.59	21.46		
3	16QAM	8	0	20.39	20.65	20.64		
3	16QAM	8	4	20.35	20.55	20.38	21.9	2
3	16QAM	8	7	20.28	20.57	20.47		
3	16QAM	15	0	20.35	20.58	20.45		
3	64QAM	1	0	20.49	20.56	20.51		
3	64QAM	1	8	20.34	20.46	20.47	21.9	2
3	64QAM	1	14	20.40	20.56	20.45		
3	64QAM	8	0	19.43	19.57	19.59		
3	64QAM	8	4	19.37	19.56	19.35	20.9	3
3	64QAM	8	7	19.37	19.57	19.42		
3	64QAM	15	0	19.41	19.49	19.58		
3	256QAM	1	0	17.36	17.59	17.60		
3	256QAM	1	8	17.44	17.42	17.48	18.9	5
3	256QAM	1	14	17.32	17.56	17.44		
3	256QAM	8	0	17.45	17.49	17.51		
3	256QAM	8	4	17.42	17.63	17.47	18.9	5
3	256QAM	8	7	17.35	17.45	17.45		
3	256QAM	15	0	17.46	17.57	17.39		
	Channel			19967	20175	20393	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1710.7	1732.5	1754.3		
1.4	QPSK	1	0	22.61	22.60	22.46		
1.4	QPSK	1	3	22.34	22.51	22.49		
1.4	QPSK	1	5	22.32	22.55	22.41	23.9	0
1.4	QPSK	3	0	22.39	22.56	22.40		
1.4	QPSK	3	1	22.31	22.41	22.44		
1.4	QPSK	3	3	22.23	22.50	22.30		
1.4	QPSK	6	0	21.51	21.54	21.53	22.9	1
1.4	16QAM	1	0	21.42	21.56	21.45		
1.4	16QAM	1	3	21.30	21.56	21.52		
1.4	16QAM	1	5	21.36	21.57	21.45	22.9	1
1.4	16QAM	3	0	21.39	21.52	21.44		
1.4	16QAM	3	1	21.32	21.46	21.39		
1.4	16QAM	3	3	21.16	21.49	21.43		
1.4	16QAM	6	0	20.39	20.55	20.49	21.9	2
1.4	64QAM	1	0	20.50	20.60	20.50		
1.4	64QAM	1	3	20.31	20.54	20.51		
1.4	64QAM	1	5	20.32	20.49	20.50	21.9	2
1.4	64QAM	3	0	20.28	20.44	20.42		
1.4	64QAM	3	1	20.45	20.52	20.47		
1.4	64QAM	3	3	20.22	20.50	20.46		
1.4	64QAM	6	0	19.51	19.48	19.61	20.9	3
1.4	256QAM	1	0	17.44	17.68	17.56		
1.4	256QAM	1	3	17.35	17.43	17.53		
1.4	256QAM	1	5	17.38	17.58	17.38	18.9	5
1.4	256QAM	3	0	17.53	17.58	17.55		
1.4	256QAM	3	1	17.42	17.60	17.50		
1.4	256QAM	3	3	17.40	17.45	17.49		
1.4	256QAM	6	0	17.41	17.54	17.44	18.9	5

Band 7 Ant6 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			20850	21100	21350		
	Frequency (MHz)			2510	2535	2560		
20	QPSK	1	0	24.17	24.24	24.20		
20	QPSK	1	49	24.06	24.18	24.18	25.5	0
20	QPSK	1	99	24.08	24.16	24.11		
20	QPSK	50	0	23.12	23.27	23.15		
20	QPSK	50	24	23.04	23.21	23.15	24.5	1
20	QPSK	50	50	23.08	23.20	23.10		
20	QPSK	100	0	23.15	23.26	23.16		
20	16QAM	1	0	23.15	23.22	23.15		
20	16QAM	1

Band 38 Ant6 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.98	24.04	24.00	25.5	0
20	QPSK	1	49	23.95	24.01	23.96		
20	QPSK	1	99	23.94	24.00	23.95		
20	QPSK	50	0	22.99	23.09	22.97	24.5	1
20	QPSK	50	24	23.01	23.03	22.94		
20	QPSK	50	50	22.97	23.05	22.93		
20	QPSK	100	0	22.98	23.04	22.99		
20	16QAM	1	0	23.02	23.03	23.05	24.5	1
20	16QAM	1	49	23.01	22.96	22.99		
20	16QAM	1	99	22.95	23.01	22.94		
20	16QAM	50	0	22.04	22.08	21.92	23.5	2
20	16QAM	50	24	21.95	22.01	21.97		
20	16QAM	50	50	21.95	22.02	21.90		
20	16QAM	100	0	21.95	22.07	21.97		
20	64QAM	1	0	22.00	21.98	22.11	23.5	2
20	64QAM	1	49	21.98	21.94	22.03		
20	64QAM	1	99	21.90	21.98	21.92		
20	64QAM	50	0	20.97	21.04	20.93	22.5	3
20	64QAM	50	24	21.04	21.02	20.99		
20	64QAM	50	50	20.99	21.06	20.90		
20	64QAM	100	0	21.02	21.03	21.00		
20	256QAM	1	0	19.01	19.10	19.02	20.5	5
20	256QAM	1	49	19.01	18.98	18.94		
20	256QAM	1	99	18.99	19.11	18.96		
20	256QAM	50	0	19.02	19.02	18.96	20.5	5
20	256QAM	50	24	19.07	19.09	19.01		
20	256QAM	50	50	18.96	18.95	18.98		
20	256QAM	100	0	18.92	19.06	18.88		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.91	23.90	23.90	25.5	0
15	QPSK	1	37	23.85	23.91	23.89		
15	QPSK	1	74	23.89	23.94	23.91		
15	QPSK	36	0	22.96	22.97	22.91	24.5	1
15	QPSK	36	20	22.93	22.94	22.85		
15	QPSK	36	39	22.87	23.02	22.80		
15	QPSK	75	0	22.92	22.97	22.88		
15	16QAM	1	0	22.91	22.99	22.95	24.5	1
15	16QAM	1	37	22.92	22.90	22.93		
15	16QAM	1	74	22.82	22.88	22.81		
15	16QAM	36	0	21.92	22.02	21.87	23.5	2
15	16QAM	36	20	21.86	21.89	21.88		
15	16QAM	36	39	21.81	21.96	21.82		
15	16QAM	75	0	21.89	21.94	21.93		
15	64QAM	1	0	21.89	21.92	22.02	23.5	2
15	64QAM	1	37	21.95	21.85	21.96		
15	64QAM	1	74	21.84	21.87	21.84		
15	64QAM	36	0	20.85	20.99	20.80	22.5	3
15	64QAM	36	20	20.93	20.89	20.94		
15	64QAM	36	39	20.85	20.98	20.82		
15	64QAM	75	0	20.98	20.89	20.88		
15	256QAM	1	0	18.98	18.97	18.97	20.5	5
15	256QAM	1	37	18.95	18.93	18.90		
15	256QAM	1	74	18.96	19.04	18.93		
15	256QAM	36	0	18.96	18.92	18.87	20.5	5
15	256QAM	36	20	19.05	18.97	18.89		
15	256QAM	36	39	18.83	18.92	18.94		
15	256QAM	75	0	18.89	19.04	18.79		
Channel				37800	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.89	24.01	23.88	25.5	0
10	QPSK	1	25	23.87	23.94	23.92		
10	QPSK	1	49	23.87	23.92	23.87		
10	QPSK	25	0	22.95	22.98	22.90	24.5	1
10	QPSK	25	12	22.93	22.95	22.81		
10	QPSK	25	25	22.89	22.95	22.79		
10	QPSK	50	0	22.90	22.91	22.91	24.5	1
10	16QAM	1	0	22.93	22.97	22.91		
10	16QAM	1	25	22.91	22.90	22.89		
10	16QAM	1	49	22.87	22.95	22.88		
10	16QAM	25	0	21.97	22.04	21.87	23.5	2
10	16QAM	25	12	21.82	21.94	21.88		
10	16QAM	25	25	21.91	21.95	21.78		
10	16QAM	50	0	21.88	22.01	21.93		
10	64QAM	1	0	21.97	21.93	22.03	23.5	2
10	64QAM	1	25	21.94	21.87	22.00		
10	64QAM	1	49	21.76	21.92	21.87		
10	64QAM	25	0	20.94	20.95	20.84	22.5	3
10	64QAM	25	12	20.94	20.94	20.86		
10	64QAM	25	25	20.86	21.00	20.85		
10	64QAM	50	0	20.90	20.94	20.96		
10	256QAM	1	0	18.98	19.04	19.00	20.5	5
10	256QAM	1	25	18.92	18.85	18.88		
10	256QAM	1	49	18.96	18.98	18.91		
10	256QAM	25	0	18.89	18.95	18.85	20.5	5
10	256QAM	25	12	18.93	19.03	18.91		
10	256QAM	25	25	18.88	18.87	18.94		
10	256QAM	50	0	18.81	18.93	18.83		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.95	23.97	23.86	25.5	0
5	QPSK	1	12	23.90	23.95	23.88		
5	QPSK	1	24	23.84	23.95	23.84		
5	QPSK	12	0	22.87	23.03	22.86	24.5	1
5	QPSK	12	7	22.87	23.00	22.84		
5	QPSK	12	13	22.91	22.98	22.87		
5	QPSK	25	0	22.91	22.94	22.95		
5	16QAM	1	0	22.93	22.97	22.99	24.5	1
5	16QAM	1	12	22.96	22.91	22.89		
5	16QAM	1	24	22.83	22.88	22.85		
5	16QAM	12	0	21.92	21.97	21.88	23.5	2
5	16QAM	12	7	21.88	21.90	21.92		
5	16QAM	12	13	21.81	21.95	21.78		
5	16QAM	25	0	21.89	22.00	21.87		
5	64QAM	1	0	21.90	21.94	22.07	23.5	2
5	64QAM	1	12	21.87	21.86	21.95		
5	64QAM	1	24	21.82	21.88	21.86		
5	64QAM	12	0	20.93	20.91	20.86	22.5	3
5	64QAM	12	7	20.95	20.96	20.88		
5	64QAM	12	13	20.88	20.93	20.83		
5	64QAM	25	0	20.99	20.99	20.87		
5	256QAM	1	0	18.93	19.06	18.94	20.5	5
5	256QAM	1	12	18.94	18.93	18.83		
5	256QAM	1	24	18.90	18.97	18.89		
5	256QAM	12	0	18.92	18.88	18.85	20.5	5
5	256QAM	12	7	18.99	19.06	18.97		
5	256QAM	12	13	18.88	18.88	18.94		
5	256QAM	25	0	18.78	18.95	18.84		

Band 41 Ant6 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.09	23.98	24.11	24.02	24.07	25.5	0
20	QPSK	1	49	24.00	23.90	24.08	23.90	24.00		
20	QPSK	1	99	23.98	23.90	24.07	23.97	23.99		
20	QPSK	50	0	23.05	22.96	23.13	23.06	23.12	24.5	1
20	QPSK	50	24	23.05	22.88	23.02	22.89	23.02		
20	QPSK	50	50	22.93	22.85	23.06	22.95	23.02		
20	QPSK	100	0	23.08	23.03	23.12	22.98	23.05		
20	16QAM	1	0	23.07	22.95	23.09	23.02	23.04	24.5	1
20	16QAM	1	49	22.95	22.93	23.10	22.86	23.00		
20	16QAM	1	99	22.94	22.90	23.02	22.98	23.03		
20	16QAM	50	0	22.00	21.97	22.10	22.08	22.14	23.5	2
20	16QAM	50	24	22.05	21.87	22.06	21.91	21.98		
20	16QAM	50	50	21.91	21.86	22.05	21.92	22.03		
20	16QAM	100	0	22.08	22.02	22.17	22.04	22.10		
20	64QAM	1	0	22.07	21.93	22.09	22.07	22.05	23.5	2
20	64QAM	1	49	21.96	21.94	22.09	21.89	21.99		
20	64QAM	1	99	21.94	21.91	22.04	21.93	22.00		
20	64QAM	50	0	21.01	20.91	21.08	21.04	21.13	22.5	3
20	64QAM	50	24	21.05	20.85	20.99	20.95	21.05		
20	64QAM	50	50	20.94	20.89	21.12	20.97	21.03		
20	64QAM	100	0	21.14	21.07	21.09	20.96	21.09		
20	256QAM	1	0	19.05	18.95	19.19	19.08	19.14	20.5	5
20	256QAM	1	49	19.08	18.86	19.01	18.92	19.08		
20	256QAM	1	99	18.92	18.85	19.10	18.93	19.06		
20	256QAM	50	0	19.06	19.07	19.15	19.03	19.04	20.5	5
20	256QAM	50	24	19.04	18.91	19.13	18.98	19.02		
20	256QAM	50	50	18.93	18.92	19.05	18.82	19.03		
20	256QAM	100	0	18.95	18.86	18.99	19.03	18.97		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.00	23.93	24.02	23.95	23.99	26	0
15	QPSK	1	37	23.97	23.85	23.97	23.86	23.88		
15	QPSK	1	74	23.92	23.80	23.99	23.90	23.90		
15	QPSK	36	0	22.92	22.90	23.05	23.03	22.99	24.5	1
15	QPSK	36	20	22.95	22.79	22.98	22.79	22.92		
15	QPSK	36	39	22.84	22.73	23.00	22.92	22.89		
15	QPSK	75	0	23.06	22.92	23.05	22.86	23.01		
15	16QAM	1	0	23.03	22.81	23.01	22.99	23.00	24.5	1
15	16QAM	1	37	22.91	22.86	23.00	22.83	22.91		
15	16QAM	1	74	22.84	22.81	22.93	22.85	22.92		
15	16QAM	36	0	21.96	21.95	22.04	21.99	22.07	23.5	2
15	16QAM	36	20	21.99	21.75	22.03	21.89	21.89		
15	16QAM	36	39	21.87	21.77	21.94	21.79	21.96		
15	16QAM	75	0	21.99	21.99	22.08	21.96	22.01		
15	64QAM	1	0	22.01	21.87	22.02	21.97	21.94	23.5	2
15	64QAM	1	37	21.89	21.81	21.99	21.80	21.93		
15	64QAM	1	74	21.89	21.81	21.93	21.87	21.88		
15	64QAM	36	0	20.92	20.80	21.03	20.96	21.09	22.5	3
15	64QAM	36	20	20.93	20.74	20.87	20.90	20.92		
15	64QAM	36	39	20.83	20.79	21.03	20.94	20.95		
15	64QAM	75	0	21.09	21.02	21.05	20.88	21.01		
15	256QAM	1	0	19.01	18.91	19.10	19.05	19.04	20.5	5
15	256QAM	1	37	19.05	18.82	18.91	18.88	19.02		
15	256QAM	1	74	18.84	18.82	19.03	18.81	19.00		
15	256QAM	36	0	18.94	18.95	19.03	18.96	18.94	20.5	5
15	256QAM	36	20	19.02	18.81	19.04	18.96	18.94		
15	256QAM	36	39	18.88	18.89	18.93	18.75	18.90		
15	256QAM	75	0	18.86	18.83	18.91	18.97	18.85		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.05	23.90	24.05	23.93	23.95	26	0
10	QPSK	1	25	23.92	23.84	23.98	23.86	23.87		
10	QPSK	1	49	23.92	23.85	24.04	23.85	23.91		
10	QPSK	25	0	22.95	22.91	23.00	22.93	23.08	24.5	1
10	QPSK	25	12	22.95	22.81	22.94	22.87	22.91		
10	QPSK	25	25	22.91	22.71	23.04	22.86	22.93		
10	QPSK	50	0	22.99	22.91	23.01	22.90	23.03	24.5	1
10	16QAM	1	0	22.99	22.86	23.07	23.00	23.02		
10	16QAM	1	25	22.83	22.84	23.04	22.77	22.92		
10	16QAM	1	49	22.86	22.88	22.88	22.96	22.94	23.5	2
10	16QAM	25	0	21.90	21.91	22.00	22.02	22.01		
10	16QAM	25	12	21.95	21.73	22.03	21.79	21.85		
10	16QAM	25	25	21.79	21.73	21.99	21.89	21.92		
10	16QAM	50	0	22.06	21.97	22.15	21.95	22.07	23.5	2
10	64QAM	1	0	21.99	21.90	22.04	21.96	22.00		
10	64QAM	1	25	21.89	21.83	21.97	21.83	21.88		
10	64QAM	1	49	21.86	21.88	21.93	21.81	21.96		
10	64QAM	25	0	20.94	20.86	20.94	20.99	21.00	22.5	3
10	64QAM	25	12	20.94	20.72	20.96	20.85	20.93		
10	64QAM	25	25	20.86	20.76	21.10	20.85	20.90		
10	64QAM	50	0	21.01	21.01	21.01	20.94	20.97		
10	256QAM	1	0	18.94	18.88	19.10	19.00	19.06	20.5	5
10	256QAM	1	25	18.99	18.72	18.94	18.81	18.96		
10	256QAM	1	49	18.83	18.75	18.98	18.82	18.95		
10	256QAM	25	0	18.98	18.99	19.13	18.89	18.92	20.5	5
10	256QAM	25	12	18.94	18.86	19.00	18.89	18.89		
10	256QAM	25	25	18.88	18.83	19.03	18.74	18.99		
10	256QAM	50	0	18.86	18.79	18.89	18.92	18.92		
Channel				39675	40140	40620	41093	41565	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.96	23.92	24.04	23.96	23.94	26	0
5	QPSK	1	12	23.93	23.79	24.02	23.80	23.91		
5	QPSK	1	24	23.89	23.84	24.03	23.92	23.96		
5	QPSK	12	0	22.98	22.89	23.11	22.94	23.05	24.5	1
5	QPSK	12	7	22.99	22.81	22.96	22.83	22.95		
5	QPSK	12	13	22.82	22.73	23.02	22.87	22.97		
5	QPSK	25	0	22.94	22.89	23.03	22.84	22.91		
5	16QAM	1	0	23.04	22.92	22.96	22.90	22.99	24.5	1
5	16QAM	1	12	22.89	22.89	23.06	22.73	22.87		
5	16QAM	1	24	22.89	22.77	22.98	22.94	22.95		
5	16QAM	12	0	21.91	21.95	22.02	21.97	22.09	23.5	2
5	16QAM	12	7	21.94	21.80	21.99	21.78	21.88		
5	16QAM	12	13	21.84	21.75	21.94	21.88	21.92		
5	16QAM	25	0	21.94	21.93	22.15	21.94	22.07		
5	64QAM	1	0	22.01	21.82	22.06	21.96	21.93	23.5	2
5	64QAM	1	12	21.92	21.81	22.05	21.76	21.96		
5	64QAM	1	24	21.83	21.86	21.97	21.87	21.88		
5	64QAM	12	0	20.94	20.88	21.04	20.91	20.99	22.5	3
5	64QAM	12	7	20.93	20.81	20.89	20.86	20.93		
5	64QAM	12	13	20.84	20.87	21.01	20.94	20.94		
5	64QAM	25	0	21.08	21.03	21.05	20.92	20.95		
5	256QAM	1	0	19.00	18.93	19.14	19.00	19.12	20.5	5
5	256QAM	1	12	18.98	18.83	18.89	18.87	19.01		
5	256QAM	1	24	18.78	18.81	19.03	18.88	19.04		
5	256QAM	12	0	18.92	19.01	19.05	18.91	19.00	20.5	5
5	256QAM	12	7	18.99	18.82	19.10	18.91	18.99		
5	256QAM	12	13	18.82	18.82	19.02	18.69	18.95		
5	256QAM	25	0	18.81	18.81	18.96	18.99	18.93		

Band 42 Ant6 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	21.79	21.87	21.83	23.3	0
20	QPSK	1	49	21.72	21.84	21.74		
20	QPSK	1	99	21.68	21.81	21.70		
20	QPSK	50	0	20.76	20.93	20.84	22.3	1
20	QPSK	50	24	20.69	20.82	20.79		
20	QPSK	50	50	20.63	20.82	20.67		
20	QPSK	100	0	20.79	20.92	20.78		
20	16QAM	1	0	20.80	20.90	20.83	22.3	1
20	16QAM	1	49	20.78	20.90	20.70		
20	16QAM	1	99	20.63	20.86	20.65		
20	16QAM	50	0	19.77	19.92	19.85	21.3	2
20	16QAM	50	24	19.74	19.80	19.77		
20	16QAM	50	50	19.67	19.82	19.69		
20	16QAM	100	0	19.73	19.94	19.80		
20	64QAM	1	0	19.83	19.95	19.82	21.3	2
20	64QAM	1	49	19.80	19.88	19.64		
20	64QAM	1	99	19.60	19.84	19.66		
20	64QAM	50	0	18.76	18.98	18.78	20.3	3
20	64QAM	50	24	18.71	18.79	18.82		
20	64QAM	50	50	18.57	18.77	18.68		
20	64QAM	100	0	18.76	18.93	18.80		
20	256QAM	1	0	16.73	16.97	16.88	18.3	5
20	256QAM	1	49	16.68	16.85	16.80		
20	256QAM	1	99	16.59	16.80	16.70		
20	256QAM	50	0	16.73	16.87	16.74	18.3	5
20	256QAM	50	24	16.76	16.94	16.84		
20	256QAM	50	50	16.79	16.87	16.72		
20	256QAM	100	0	16.68	16.84	16.65		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	21.67	21.78	21.79	23.3	0
15	QPSK	1	37	21.58	21.74	21.64		
15	QPSK	1	74	21.61	21.69	21.65		
15	QPSK	36	0	20.63	20.85	20.82	22.3	1
15	QPSK	36	20	20.66	20.75	20.71		
15	QPSK	36	39	20.50	20.78	20.64		
15	QPSK	75	0	20.76	20.85	20.69		
15	16QAM	1	0	20.71	20.76	20.79	22.3	1
15	16QAM	1	37	20.65	20.81	20.59		
15	16QAM	1	74	20.56	20.83	20.56		
15	16QAM	36	0	19.70	19.80	19.76	21.3	2
15	16QAM	36	20	19.66	19.74	19.68		
15	16QAM	36	39	19.62	19.71	19.60		
15	16QAM	75	0	19.63	19.87	19.68		
15	64QAM	1	0	19.76	19.85	19.78	21.3	2
15	64QAM	1	37	19.69	19.82	19.57		
15	64QAM	1	74	19.53	19.72	19.54		
15	64QAM	36	0	18.74	18.89	18.66	20.3	3
15	64QAM	36	20	18.65	18.70	18.76		
15	64QAM	36	39	18.52	18.64	18.61		
15	64QAM	75	0	18.72	18.91	18.67		
15	256QAM	1	0	16.63	16.83	16.76	18.3	5
15	256QAM	1	37	16.63	16.79	16.76		
15	256QAM	1	74	16.49	16.67	16.67		
15	256QAM	36	0	16.63	16.75	16.63	18.3	5
15	256QAM	36	20	16.67	16.89	16.75		
15	256QAM	36	39	16.69	16.83	16.64		
15	256QAM	75	0	16.55	16.80	16.51		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	21.69	21.74	21.74	23.3	0
10	QPSK	1	25	21.69	21.72	21.61		
10	QPSK	1	49	21.65	21.68	21.66		
10	QPSK	25	0	20.70	20.79	20.82	22.3	1
10	QPSK	25	12	20.59	20.79	20.75		
10	QPSK	25	25	20.54	20.77	20.56		
10	QPSK	50	0	20.76	20.80	20.70	22.3	1
10	16QAM	1	0	20.72	20.77	20.75		
10	16QAM	1	25	20.67	20.87	20.59		
10	16QAM	1	49	20.51	20.74	20.63		
10	16QAM	25	0	19.75	19.89	19.74	21.3	2
10	16QAM	25	12	19.69	19.70	19.69		
10	16QAM	25	25	19.58	19.70	19.56		
10	16QAM	50	0	19.68	19.82	19.69	21.3	2
10	64QAM	1	0	19.73	19.87	19.78		
10	64QAM	1	25	19.77	19.77	19.55		
10	64QAM	1	49	19.51	19.74	19.60		
10	64QAM	25	0	18.68	18.91	18.69	20.3	3
10	64QAM	25	12	18.68	18.66	18.72		
10	64QAM	25	25	18.44	18.70	18.57		
10	64QAM	50	0	18.68	18.91	18.75		
10	256QAM	1	0	16.67	16.91	16.83	18.3	5
10	256QAM	1	25	16.63	16.78	16.75		
10	256QAM	1	49	16.52	16.77	16.64		
10	256QAM	25	0	16.68	16.75	16.61	18.3	5
10	256QAM	25	12	16.73	16.81	16.79		
10	256QAM	25	25	16.70	16.77	16.59		
10	256QAM	50	0	16.65	16.74	16.61		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	21.68	21.79	21.70	23.3	0
5	QPSK	1	12	21.70	21.74	21.70		
5	QPSK	1	24	21.63	21.76	21.61		
5	QPSK	12	0	20.71	20.89	20.77	22.3	1
5	QPSK	12	7	20.63	20.74	20.76		
5	QPSK	12	13	20.55	20.75	20.55		
5	QPSK	25	0	20.75	20.83	20.65		
5	16QAM	1	0

		WCDMA II Ant7 DSI 4				WCDMA IV Ant7 DSI 4			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.81	19.94	19.81	21.30	19.44	19.52	19.38	21.00
3GPP Rel 99	RMC 12.2Kbps	19.94	19.96	19.85	21.30	19.48	19.58	19.42	21.00
3GPP Rel 6	HSDPA Subtest-1	18.93	18.98	18.88	20.30	18.50	18.58	18.50	20.00
3GPP Rel 6	HSDPA Subtest-2	18.88	18.92	18.97	20.30	18.50	18.51	18.55	20.00
3GPP Rel 6	HSDPA Subtest-3	18.35	18.44	18.45	19.80	17.98	18.04	18.01	19.50
3GPP Rel 6	HSDPA Subtest-4	18.39	18.54	18.43	19.80	18.04	18.17	17.98	19.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.94	18.94	18.92	20.30	18.58	18.48	18.55	20.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.88	18.90	18.80	20.30	18.44	18.47	18.37	20.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.37	18.41	18.41	19.80	17.92	18.04	18.03	19.50
3GPP Rel 8	DC-HSDPA Subtest-4	18.38	18.41	18.33	19.80	18.00	17.99	17.92	19.50
3GPP Rel 6	HSUPA Subtest-1	18.87	18.96	18.88	20.30	18.53	18.60	18.46	20.00
3GPP Rel 6	HSUPA Subtest-2	16.96	16.95	16.84	18.30	16.57	16.52	16.47	18.00
3GPP Rel 6	HSUPA Subtest-3	17.93	17.94	17.84	19.30	17.55	17.52	17.38	19.00
3GPP Rel 6	HSUPA Subtest-4	16.99	17.00	16.93	18.30	16.62	16.64	16.58	18.00
3GPP Rel 6	HSUPA Subtest-5	18.91	18.92	18.92	20.30	18.56	18.54	18.47	20.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.46	16.46	16.42	17.80	16.04	16.09	16.07	17.50

Band 2 Ant7 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			18700	18900	19100		
	Frequency (MHz)			1860	1880	1900		
20	QPSK	1	0	20.10	20.21	20.09	21.6	0
20	QPSK	1	49	19.92	20.16	19.99		
20	QPSK	1	99	19.94	20.04	19.91		
20	QPSK	50	0	18.99	19.15	19.12	20.6	1
20	QPSK	50	24	19.01	19.08	19.14		
20	QPSK	50	50	19.02	19.08	19.06		
20	QPSK	100	0	19.12	19.23	19.04		
20	16QAM	1	0	19.06	19.15	19.09	20.6	1
20	16QAM	1	49	19.01	19.26	19.06		
20	16QAM	1	99	19.12	19.14	19.10		
20	16QAM	50	0	18.14	18.14	18.09	19.6	2
20	16QAM	50	24	18.15	18.15	18.17		
20	16QAM	50	50	18.10	18.20	18.15		
20	16QAM	100	0	18.14	18.23	18.07		
20	64QAM	1	0	18.01	18.27	18.04	19.6	2
20	64QAM	1	49	17.99	18.27	18.03		
20	64QAM	1	99	18.05	18.26	18.11		
20	64QAM	50	0	17.00	17.17	17.05	18.6	3
20	64QAM	50	24	17.16	17.15	17.05		
20	64QAM	50	50	17.05	17.21	17.10		
20	64QAM	100	0	17.00	17.22	17.10		
20	256QAM	1	0	15.18	15.29	15.30	16.6	5
20	256QAM	1	49	15.19	15.33	15.25		
20	256QAM	1	99	15.22	15.29	15.28		
20	256QAM	50	0	15.40	15.40	15.13	16.6	5
20	256QAM	50	24	15.21	15.46	15.21		
20	256QAM	50	50	15.22	15.36	15.19		
20	256QAM	100	0	15.28	15.33	15.26		
	Channel			18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1857.5	1880	1902.5		
15	QPSK	1	0	19.95	20.09	20.03	21.6	0
15	QPSK	1	37	19.80	20.01	19.92		
15	QPSK	1	74	19.87	19.99	19.85		
15	QPSK	36	0	18.89	19.10	18.97	20.6	1
15	QPSK	36	20	18.92	19.04	19.10		
15	QPSK	36	39	18.86	18.94	18.97		
15	QPSK	75	0	19.06	19.15	18.96		
15	16QAM	1	0	19.01	19.06	18.99	20.6	1
15	16QAM	1	37	18.95	19.13	19.01		
15	16QAM	1	74	18.96	18.99	19.03		
15	16QAM	36	0	18.07	18.04	17.96	19.6	2
15	16QAM	36	20	18.01	18.02	18.05		
15	16QAM	36	39	17.96	18.15	18.02		
15	16QAM	75	0	18.04	18.11	17.94		
15	64QAM	1	0	17.86	18.22	17.88	19.6	2
15	64QAM	1	37	17.86	18.11	17.96		
15	64QAM	1	74	17.99	18.15	17.97		
15	64QAM	36	0	16.92	17.13	16.89	18.6	3
15	64QAM	36	20	17.11	17.02	17.00		
15	64QAM	36	39	16.94	17.10	16.95		
15	64QAM	75	0	16.89	17.11	16.94		
15	256QAM	1	0	15.23	15.26	15.26	16.6	5
15	256QAM	1	37	15.19	15.29	15.21		
15	256QAM	1	74	15.26	15.32	15.32		
15	256QAM	36	0	15.39	15.45	15.19	16.6	5
15	256QAM	36	20	15.19	15.41	15.22		
15	256QAM	36	39	15.21	15.43	15.23		
15	256QAM	75	0	15.27	15.31	15.28		
	Channel			18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1855	1880	1905		
10	QPSK	1	0	19.97	20.16	20.02	21.6	0
10	QPSK	1	25	19.88	20.04	19.84		
10	QPSK	1	49	19.89	19.90	19.82		
10	QPSK	25	0	18.90	19.04	19.07	20.6	1
10	QPSK	25	12	18.87	18.98	19.05		
10	QPSK	25	25	18.98	19.03	19.01		
10	QPSK	50	0	19.04	19.13	18.96		
10	16QAM	1	0	18.96	19.05	19.02	20.6	1
10	16QAM	1	25	18.94	19.18	18.90		
10	16QAM	1	49	19.02	19.10	18.98		
10	16QAM	25	0	18.04	17.99	17.99	19.6	2
10	16QAM	25	12	18.00	18.10	18.03		
10	16QAM	25	25	17.97	18.06	18.07		
10	16QAM	50	0	18.05	18.10	18.00		
10	64QAM	1	0	17.95	18.21	18.00	19.6	2
10	64QAM	1	25	17.91	18.15	17.87		
10	64QAM	1	49	17.90	18.22	18.01		
10	64QAM	25	0	16.95	17.06	16.90	18.6	3
10	64QAM	25	12	17.02	17.07	17.00		
10	64QAM	25	25	16.95	17.16	17.03		
10	64QAM	50	0	16.91	17.16	17.02		
10	256QAM	1	0	15.11	15.28	15.23	16.6	5
10	256QAM	1	25	15.11	15.21	15.16		
10	256QAM	1	49	15.19	15.21	15.26		
10	256QAM	25	0	15.33	15.39	15.18	16.6	5
10	256QAM	25	12	15.11	15.41	15.20		
10	256QAM	25	25	15.14	15.29	15.11		
10	256QAM	50	0	15.25	15.30	15.28		
	Channel			18525	18900	19175	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1852.5	1880	1907.5		
5	QPSK	1	0	20.05	20.08	20.00	21.6	0
5	QPSK	1	12	19.85	20.06	19.93		
5	QPSK	1	24	19.89	19.91	19.87		
5	QPSK	12	0	18.95	19.05	19.07	20.6	1
5	QPSK	12	7	18.96	18.97	19.05		
5	QPSK	12	13	18.95	18.96	18.99		
5	QPSK	25	0	19.01	19.11	18.98		
5	16QAM	1	0	19.01	19.05	19.00	20.6	1
5	16QAM	1	12	18.95	19.14	19.00		
5	16QAM	1	24	19.06	19.09	18.97		
5	16QAM	12	0	18.06	18.00	17.98	19.6	2
5	16QAM	12	7	18.03	18.09	18.09		
5	16QAM	12	13	18.03	18.14	18.05		
5	16QAM	25	0	18.00	18.10	17.94		
5	64QAM	1	0	17.89	18.18	17.97	19.6	2
5	64QAM	1	12	17.89	18.17	17.90		
5	64QAM	1	24	17.90	18.15	17.98		
5	64QAM	12	0	16.86	17.02	16.98	18.6	3
5	64QAM	12	7	17.04	17.02	16.99		
5	64QAM	12	13	16.94	17.06	17.00		
5	64QAM	25	0	16.91	17.16	16.96		
5	256QAM	1	0	15.15	15.20	15.19	16.6	5
5	256QAM	1	12	15.19	15.28	15.12		
5	256QAM	1	24	15.29	15.21	15.22		
5	256QAM	12	0	15.32	15.39	15.09	16.6	5
5	256QAM	12	7	15.11	15.36	15.21		
5	256QAM	12	13	15.21	15.31	15.12		
5	256QAM	25	0	15.14	15.21	15.25		
	Channel			18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1851.5	1880	1908.5		
3	QPSK	1	0	20.03	20.09	19.98	21.6	0
3	QPSK	1	8	19.79	20.11	19.86		
3	QPSK	1	14	19.83	19.90	19.83		
3	QPSK	8	0	18.89	19.02	19.04	20.6	1
3	QPSK	8	4	18.85	19.02	18.99		
3	QPSK	8	7	18.95	19.01	18.92		
3	QPSK	15	0	19.06	19.11	18.95		
3	16QAM	1	0	18.96	19.10	18.93	20.6	1
3	16QAM	1	8	18.86	19.22	18.91		
3	16QAM	1	14	19.04	19.03	18.97		
3	16QAM	8	0	18.07	18.05	18.04	19.6	2
3	16QAM	8	4	18.08	18.03	18.09		
3	16QAM	8	7	17.98	18.05	18.01		
3	16QAM	15	0	17.98	18.17	18.01		
3	64QAM	1	0	17.96	18.18	17.90	19.6	2
3	64QAM	1	8	17.88	18.17	17.95		
3	64QAM	1	14	18.00	18.14	17.97		
3	64QAM	8	0	16.88	17.02	16.96	18.6	3
3	64QAM	8	4	17.02	17.05	16.91		
3	64QAM	8	7	16.95	17.06	17.01		
3	64QAM	15	0	16.94	17.13	16.99		
3	256QAM	1	0	15.15	15.25	15.22	16.6	5
3	256QAM	1	8	15.10	15.33	15.23		
3	256QAM	1	14	15.19	15.26	15.24		
3	256QAM	8	0	15.26	15.39	15.18	16.6	5
3	256QAM	8	4	15.09	15.38	15.20		
3	256QAM	8	7	15.11	15.34	15.17		
3	256QAM	15	0	15.23	15.33	15.27		
	Channel			18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1850.7	1880	1909.3		
1.4	QPSK	1	0	20.01	20.08	20.02	21.6	0
1.4	QPSK	1	3	19.99	20.13	19.95		
1.4	QPSK	1	5	19.99	20.11	20.05		
1.4	QPSK	3	0	19.97	20.17	20.04		
1.4	QPSK	3	1	20.03	20.08	19.97		
1.4	QPSK	3	3	20.01	20.12	20.04		
1.4	QPSK	6	0	19.06	19.20	19.11	20.6	1
1.4	16QAM	1	0	19.15	19.25	19.04	20.6	1
1.4	16QAM	1	3	19.10	19.16	19.06		
1.4	16QAM	1	5	19.09	19.25	19.10		
1.4	16QAM	3	0	19.11	19.21	19.08		
1.4	16QAM	3	1	19.07	19.27	19.13		
1.4	16QAM	3	3	19.07	19.21	19.13		
1.4	16QAM	6	0	18.08	18.20	18.15	19.6	2
1.4	64QAM	1	0	18.11	18.24	18.05	19.6	2
1.4	64QAM	1	3	18.11	18.22	18.14		
1.4	64QAM	1	5	18.06	18.20	18.07		
1.4	64QAM	3	0	18.11	18.18	18.13		
1.4	64QAM	3	1	18.12	18.17	18.05		
1.4	64QAM	3	3	18.15	18.19	18.08		
1.4	64QAM	6	0	17.11	17.20	17.05	18.6	3
1.4	256QAM	1	0	15.08	15.26	15.12	16.6	5
1.4	256QAM	1	3	15.12	15.25	15.12		
1.4	256QAM	1	5	15.15	15.23	15.07		
1.4	256QAM	3	0	15.15	15.17	15.10		
1.4	256QAM	3	1	15.06	15.17	15.04		
1.4	256QAM	3	3	15.10	15.24	15.03		
1.4	256QAM	6	0	15.04	15.26	15.07	16.6	5

Band 4 Ant7 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			20050	20175	20300		
	Frequency (MHz)			1720	1732.5	1745		
20	QPSK	1	0	18.06	18.09	18.04	19.5	0
20	QPSK	1	49	18.03	18.00	17.96		
20	QPSK	1	99	18.03	17.91	17.90		
20	QPSK	50	0	18.02	18.05	17.96	19.5	0
20	QPSK	50	24	17.95	18.01	17.91		
20	QPSK	50	50	17.98	18.00	17.91		
20	QPSK	100	0	18.03	18.04	17.95		
20	16QAM	1	0	17.97	18.00	17.97	19.5	0
20	16QAM	1	49	17.92	17.90	17.89		
20	16QAM	1	99	17.91	17.90	17.87		
20	16QAM	50	0	17.94	17.92	17.92	19.5	0
20	16QAM	50	24	17.86	17.89	17.88		
20	16QAM	50	50	17.91	17.92	17.82		
20	16QAM	100	0	17.98	18.00	17.92		
20	64QAM	1	0	17.93	17.98	17.90	19.5	0
20	64QAM	1	49	17.97	17.87	17.90		
20	64QAM	1	99	17.93	17.91	17.86		
20	64QAM	50	0	17.55	17.53	17.54	19	0.5
20	64QAM	50	24	17.48	17.54	17.43		
20	64QAM	50	50	17.52	17.53	17.46		
20	64QAM	100	0	17.53	17.59	17.42		
20	256QAM	1	0	15.51	15.53	15.58	17	2.5
20	256QAM	1	49	15.58	15.46	15.46		
20	256QAM	1	99	15.59	15.52	15.37		
20	256QAM	50	0	15.52	15.59	15.47	17	2.5
20	256QAM	50	24	15.45	15.56	15.37		
20	256QAM	50	50	15.49	15.54	15.36		
20	256QAM	100	0	15.55	15.49	15.47		
	Channel			20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1717.5	1732.5	1747.5		
15	QPSK	1	0	17.94	18.02	18.02	19.5	0
15	QPSK	1	37	17.99	17.91	17.89		
15	QPSK	1	74	17.93	17.95	17.78		
15	QPSK	36	0	18.01	17.98	17.89	19.5	0
15	QPSK	36	20	17.88	17.95	17.86		
15	QPSK	36	39	17.94	17.89	17.79		
15	QPSK	75	0	17.98	17.96	17.83		
15	16QAM	1	0	17.84	17.92	17.94	19.5	0
15	16QAM	1	37	17.81	17.81	17.83		
15	16QAM	1	74	17.79	17.89	17.78		
15	16QAM	36	0	17.83	17.87	17.91	19.5	0
15	16QAM	36	20	17.74	17.84	17.85		
15	16QAM	36	39	17.81	17.83	17.70		
15	16QAM	75	0	17.92	17.94	17.91		
15	64QAM	1	0	17.84	17.96	17.83	19.5	0
15	64QAM	1	37	17.90	17.78	17.81		
15	64QAM	1	74	17.91	17.89	17.78		
15	64QAM	36	0	17.50	17.47	17.41	19	0.5
15	64QAM	36	20	17.40	17.53	17.40		
15	64QAM	36	39	17.41	17.42	17.35		
15	64QAM	75	0	17.41	17.50	17.35		
15	256QAM	1	0	15.40	15.42	15.51	17	2.5
15	256QAM	1	37	15.46	15.41	15.38		
15	256QAM	1	74	15.53	15.50	15.35		
15	256QAM	36	0	15.40	15.49	15.43	17	2.5
15	256QAM	36	20	15.40	15.50	15.27		
15	256QAM	36	39	15.38	15.50	15.25		
15	256QAM	75	0	15.48	15.45	15.43		
	Channel			20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1715	1732.5	1750		
10	QPSK	1	0	17.97	18.00	17.97	19.5	0
10	QPSK	1	25	17.95	17.93	17.87		
10	QPSK	1	49	17.99	17.91	17.81		
10	QPSK	25	0	17.93	17.97	17.90	19.5	0
10	QPSK	25	12	17.91	17.97	17.85		
10	QPSK	25	25	17.87	17.89	17.88		
10	QPSK	50	0	17.97	17.93	17.92		
10	16QAM	1	0	17.95	17.90	17.90	19.5	0
10	16QAM	1	25	17.80	17.80	17.76		
10	16QAM	1	49	17.89	17.84	17.75		
10	16QAM	25	0	17.91	17.82	17.80	19.5	0
10	16QAM	25	12	17.79	17.78	17.83		
10	16QAM	25	25	17.87	17.88	17.79		
10	16QAM	50	0	17.86	17.88	17.87		
10	64QAM	1	0	17.82	17.96	17.87	19.5	0
10	64QAM	1	25	17.88	17.74	17.86		
10	64QAM	1	49	17.90	17.88	17.76		
10	64QAM	25	0	17.45	17.44	17.43	19	0.5
10	64QAM	25	12	17.35	17.45	17.30		
10	64QAM	25	25	17.48	17.46	17.35		
10	64QAM	50	0	17.48	17.54	17.33		
10	256QAM	1	0	15.42	15.44	15.50	17	2.5
10	256QAM	1	25	15.50	15.44	15.38		
10	256QAM	1	49	15.56	15.39	15.27		
10	256QAM	25	0	15.40	15.58	15.43	17	2.5
10	256QAM	25	12	15.40	15.48	15.27		
10	256QAM	25	25	15.39	15.46	15.24		
10	256QAM	50	0	15.47	15.40	15.44		
	Channel			19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1712.5	1732.5	1752.5		
5	QPSK	1	0	17.99	18.04	17.99	19.5	0
5	QPSK	1	12	18.01	17.90	17.85		
5	QPSK	1	24	17.92	17.96	17.83		
5	QPSK	12	0	17.91	18.03	17.89	19.5	0
5	QPSK	12	7	17.86	17.92	17.84		
5	QPSK	12	13	17.93	17.95	17.86		
5	QPSK	25	0	17.99	17.97	17.85		
5	16QAM	1	0	17.88	17.95	17.90	19.5	0
5	16QAM	1	12	17.87	17.81	17.83		
5	16QAM	1	24	17.86	17.79	17.75		
5	16QAM	12	0	17.90	17.88	17.80	19.5	0
5	16QAM	12	7	17.81	17.81	17.84		
5	16QAM	12	13	17.84	17.80	17.75		
5	16QAM	25	0	17.92	17.93	17.87		
5	64QAM	1	0	17.91	17.87	17.78	19.5	0
5	64QAM	1	12	17.84	17.78	17.82		
5	64QAM	1	24	17.83	17.86	17.82		
5	64QAM	12	0	17.49	17.50	17.52	19	0.5
5	64QAM	12	7	17.41	17.48	17.39		
5	64QAM	12	13	17.47	17.47	17.44		
5	64QAM	25	0	17.46	17.53	17.40		
5	256QAM	1	0	15.39	15.45	15.55	17	2.5
5	256QAM	1	12	15.47	15.42	15.42		
5	256QAM	1	24	15.54	15.39	15.24		
5	256QAM	12	0	15.49	15.55	15.46	17	2.5
5	256QAM	12	7	15.39	15.46	15.26		
5	256QAM	12	13	15.47	15.43	15.23		
5	256QAM	25	0	15.52	15.39	15.35		
	Channel			19950	20175	20375	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1711.5	1732.5	1753.5		
3	QPSK	1	0	18.05	17.98	17.94	19.5	0
3	QPSK	1	8	17.94	17.95	17.86		
3	QPSK	1	14	18.00	17.95	17.81		
3	QPSK	8	0	17.95	17.93	17.90	19.5	0
3	QPSK	8	4	17.94	17.91	17.88		
3	QPSK	8	7	17.97	17.95	17.80		
3	QPSK	15	0	17.92	17.92	17.90		
3	16QAM	1	0	17.89	17.90	17.90	19.5	0
3	16QAM	1	8	17.85	17.84	17.82		
3	16QAM	1	14	17.86	17.80	17.81		
3	16QAM	8	0	17.87	17.86	17.90	19.5	0
3	16QAM	8	4	17.80	17.83	17.80		
3	16QAM	8	7	17.90	17.85	17.75		
3	16QAM	15	0	17.95	17.93	17.83		
3	64QAM	1	0	17.84	17.88	17.77	19.5	0
3	64QAM	1	8	17.89	17.80	17.79		
3	64QAM	1	14	17.83	17.87	17.85		
3	64QAM	8	0	17.50	17.52	17.42	19	0.5
3	64QAM	8	4	17.41	17.42	17.34		
3	64QAM	8	7	17.43	17.44	17.38		
3	64QAM	15	0	17.43	17.46	17.37		
3	256QAM	1	0	15.40	15.47	15.56	17	2.5
3	256QAM	1	8	15.52	15.38	15.41		
3	256QAM	1	14	15.49	15.44	15.28		
3	256QAM	8	0	15.46	15.56	15.38	17	2.5
3	256QAM	8	4	15.37	15.52	15.25		
3	256QAM	8	7	15.48	15.43	15.29		
3	256QAM	15	0	15.52	15.42	15.37		
	Channel			19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1710.7	1732.5	1754.3		
1.4	QPSK	1	0	17.93	18.05	18.01	19.5	0
1.4	QPSK	1	3	18.00	17.96	17.90		
1.4	QPSK	1	5	17.96	17.95	17.80		
1.4	QPSK	3	0	17.89	17.96	17.83		
1.4	QPSK	3	1	17.88	17.98	17.83		
1.4	QPSK	3	3	17.95	17.88	17.86		
1.4	QPSK	6	0	17.99	17.93	17.92	19.5	0
1.4	16QAM	1	0	17.87	17.97	17.89	19.5	0
1.4	16QAM	1	3	17.89	17.82	17.80		
1.4	16QAM	1	5	17.79	17.78	17.80		
1.4	16QAM	3	0	17.83	17.87	17.85		
1.4	16QAM	3	1	17.81	17.86	17.78		
1.4	16QAM	3	3	17.87	17.90	17.74		
1.4	16QAM	6	0	17.91	17.90	17.79	19.5	0
1.4	64QAM	1	0	17.91	17.86	17.85	19.5	0
1.4	64QAM	1	3	17.91	17.82	17.86		
1.4	64QAM	1	5	17.82	17.88	17.74		
1.4	64QAM	3	0	17.80	17.92	17.96		
1.4	64QAM	3	1	17.88	17.85	17.88		
1.4	64QAM	3	3	17.89	17.92	17.76		
1.4	64QAM	6	0	17.41	17.58	17.36	19	0.5
1.4	256QAM	1	0	15.49	15.47	15.50	17	2.5
1.4	256QAM	1	3	15.49	15.42	15.41		
1.4	256QAM	1	5	15.56	15.49	15.29		
1.4	256QAM	3	0	15.41	15.58	15.42		
1.4	256QAM	3	1	15.43	15.47	15.35		
1.4	256QAM	3	3	15.46	15.46	15.32		
1.4	256QAM	6	0	15.50	15.45	15.46	17	2.5

Band 7 Ant7 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
	Channel			20850	21100	21350		
	Frequency (MHz)			2510	2535	2560		
20	QPSK	1	0	18.74	18.88	18.79	20.2	0
20	QPSK	1	49	18.77	18.76	18.74		
20	QPSK	1	99	18.80	18.77	18.79		
20	QPSK	50	0	18.75	18.85	18.72	20.2	0
20	QPSK	50	24	18.76	18.84	18.72		
20	QPSK	50	50	18.79	18.82	18.78		
20	QPSK	100	0	18.82	18.83	18.74		
20	16QAM	1	0	18.76	18.77	18.73	20.2	0
20	16Q

Band 25 Ant7 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	19.63	19.77	19.50		
20	QPSK	1	49	19.45	19.64	19.49	21.2	0
20	QPSK	1	99	19.48	19.48	19.34		
20	QPSK	50	0	18.33	18.73	18.49		
20	QPSK	50	24	18.51	18.53	18.71	20.2	1
20	QPSK	50	50	18.48	18.63	18.66		
20	QPSK	100	0	18.71	18.79	18.54		
20	16QAM	1	0	18.51	18.58	18.56		
20	16QAM	1	49	18.47	18.81	18.56	20.2	1
20	16QAM	1	99	18.76	18.73	18.60		
20	16QAM	50	0	17.66	17.73	17.47		
20	16QAM	50	24	17.68	17.64	17.61	19.2	2
20	16QAM	50	50	17.58	17.66	17.64		
20	16QAM	100	0	17.59	17.74	17.70		
20	64QAM	1	0	17.57	17.72	17.55		
20	64QAM	1	49	17.47	17.74	17.41	19.2	2
20	64QAM	1	99	17.47	17.75	17.56		
20	64QAM	50	0	16.50	16.69	16.58		
20	64QAM	50	24	16.66	16.63	16.62	18.2	3
20	64QAM	50	50	16.55	16.73	16.58		
20	64QAM	100	0	16.61	16.73	16.64		
20	256QAM	1	0	14.73	14.77	14.72		
20	256QAM	1	49	14.67	14.95	14.77	16.2	5
20	256QAM	1	99	14.78	14.83	14.71		
20	256QAM	50	0	14.86	14.89	14.59		
20	256QAM	50	24	14.73	15.08	14.61	16.2	5
20	256QAM	50	50	14.73	14.84	14.70		
20	256QAM	100	0	14.81	14.84	14.92		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	19.58	19.72	19.34		
15	QPSK	1	37	19.33	19.56	19.42	21.2	0
15	QPSK	1	74	19.42	19.37	19.28		
15	QPSK	36	0	18.25	18.68	18.38		
15	QPSK	36	20	18.45	18.46	18.59	20.2	1
15	QPSK	36	39	18.43	18.50	18.52		
15	QPSK	75	0	18.66	18.67	18.39		
15	16QAM	1	0	18.43	18.50	18.43		
15	16QAM	1	37	18.40	18.70	18.50	20.2	1
15	16QAM	1	74	18.62	18.59	18.50		
15	16QAM	36	0	17.59	17.60	17.41		
15	16QAM	36	20	17.57	17.55	17.56	19.2	2
15	16QAM	36	39	17.50	17.60	17.59		
15	16QAM	75	0	17.46	17.67	17.63		
15	64QAM	1	0	17.51	17.59	17.49		
15	64QAM	1	37	17.39	17.60	17.32	19.2	2
15	64QAM	1	74	17.41	17.70	17.44		
15	64QAM	36	0	16.42	16.58	16.47		
15	64QAM	36	20	16.56	16.54	16.54	18.2	3
15	64QAM	36	39	16.42	16.68	16.43		
15	64QAM	75	0	16.48	16.60	16.53		
15	256QAM	1	0	14.64	14.63	14.58		
15	256QAM	1	37	14.52	14.83	14.69	16.2	5
15	256QAM	1	74	14.73	14.70	14.59		
15	256QAM	36	0	14.81	14.73	14.54		
15	256QAM	36	20	14.64	14.98	14.51	16.2	5
15	256QAM	36	39	14.61	14.76	14.55		
15	256QAM	75	0	14.66	14.73	14.77		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	19.54	19.64	19.40		
10	QPSK	1	25	19.31	19.49	19.41	21.2	0
10	QPSK	1	49	19.34	19.34	19.28		
10	QPSK	25	0	18.26	18.63	18.42		
10	QPSK	25	12	18.37	18.46	18.56	20.2	1
10	QPSK	25	25	18.37	18.59	18.50		
10	QPSK	50	0	18.58	18.74	18.43		
10	16QAM	1	0	18.44	18.54	18.46		
10	16QAM	1	25	18.41	18.74	18.41	20.2	1
10	16QAM	1	49	18.69	18.63	18.53		
10	16QAM	25	0	17.60	17.67	17.31		
10	16QAM	25	12	17.53	17.58	17.52	19.2	2
10	16QAM	25	25	17.51	17.50	17.59		
10	16QAM	50	0	17.48	17.68	17.58		
10	64QAM	1	0	17.48	17.60	17.49		
10	64QAM	1	25	17.32	17.67	17.31	19.2	2
10	64QAM	1	49	17.37	17.59	17.44		
10	64QAM	25	0	16.41	16.61	16.48		
10	64QAM	25	12	16.60	16.53	16.49	18.2	3
10	64QAM	25	25	16.44	16.66	16.43		
10	64QAM	50	0	16.55	16.66	16.53		
10	256QAM	1	0	14.66	14.66	14.65		
10	256QAM	1	25	14.60	14.83	14.71	16.2	5
10	256QAM	1	49	14.73	14.67	14.61		
10	256QAM	25	0	14.81	14.75	14.50		
10	256QAM	25	12	14.68	14.96	14.50	16.2	5
10	256QAM	25	25	14.65	14.77	14.59		
10	256QAM	50	0	14.74	14.79	14.87		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	19.53	19.69	19.35		
5	QPSK	1	12	19.36	19.50	19.40	21.2	0
5	QPSK	1	24	19.33	19.33	19.27		
5	QPSK	12	0	18.23	18.57	18.35		
5	QPSK	12	7	18.39	18.46	18.66	20.2	1
5	QPSK	12	13	18.44	18.59	18.55		
5	QPSK	25	0	18.57	18.65	18.40		
5	16QAM	1	0	18.37	18.44	18.46		
5	16QAM	1	12	18.42	18.72	18.44	20.2	1
5	16QAM	1	24	18.69	18.67	18.51		
5	16QAM	12	0	17.53	17.60	17.34		
5	16QAM	12	7	17.53	17.54	17.56	19.2	2
5	16QAM	12	13	17.52	17.53	17.54		
5	16QAM	25	0	17.54	17.62	17.59		
5	64QAM	1	0	17.49	17.58	17.39		
5	64QAM	1	12	17.35	17.60	17.27	19.2	2
5	64QAM	1	24	17.32	17.64	17.50		
5	64QAM	12	0	16.35	16.64	16.46		
5	64QAM	12	7	16.51	16.48	16.55	18.2	3
5	64QAM	12	13	16.50	16.65	16.49		
5	64QAM	25	0	16.53	16.66	16.51		
5	256QAM	1	0	14.57	14.67	14.59		
5	256QAM	1	12	14.63	14.90	14.72	16.2	5
5	256QAM	1	24	14.63	14.74	14.62		
5	256QAM	12	0	14.74	14.73	14.48		
5	256QAM	12	7	14.66	14.97	14.57	16.2	5
5	256QAM	12	13	14.60	14.77	14.61		
5	256QAM	25	0	14.70	14.75	14.77		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	19.50	19.72	19.42		
3	QPSK	1	8	19.31	19.55	19.37	21.2	0
3	QPSK	1	14	19.40	19.34	19.26		
3	QPSK	8	0	18.28	18.57	18.37		
3	QPSK	8	4	18.35	18.46	18.56	20.2	1
3	QPSK	8	7	18.36	18.48	18.55		
3	QPSK	15	0	18.67	18.64	18.39		
3	16QAM	1	0	18.40	18.42	18.41		
3	16QAM	1	8	18.34	18.66	18.46	20.2	1
3	16QAM	1	14	18.69	18.63	18.51		
3	16QAM	8	0	17.58	17.63	17.31		
3	16QAM	8	4	17.60	17.52	17.48	19.2	2
3	16QAM	8	7	17.54	17.62	17.60		
3	16QAM	15	0	17.49	17.70	17.60		
3	64QAM	1	0	17.47	17.58	17.50		
3	64QAM	1	8	17.39	17.62	17.29	19.2	2
3	64QAM	1	14	17.37	17.62	17.41		
3	64QAM	8	0	16.38	16.60	16.49		
3	64QAM	8	4	16.55	16.50	16.57	18.2	3
3	64QAM	8	7	16.43	16.59	16.49		
3	64QAM	15	0	16.51	16.69	16.59		
3	256QAM	1	0	14.64	14.67	14.68		
3	256QAM	1	8	14.55	14.89	14.62	16.2	5
3	256QAM	1	14	14.64	14.74	14.58		
3	256QAM	8	0	14.80	14.76	14.43		
3	256QAM	8	4	14.64	14.70	14.45	16.2	5
3	256QAM	8	7	14.69	14.70	14.61		
3	256QAM	15	0	14.65	14.77	14.83		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	19.52	19.57	19.37		
1.4	QPSK	1	3	19.40	19.57	19.40		
1.4	QPSK	1	5	19.42	19.52	19.57	21.2	0
1.4	QPSK	3	0	19.44	19.66	19.46		
1.4	QPSK	3	1	19.42	19.47	19.44		
1.4	QPSK	3	3	19.48	19.57	19.47		
1.4	QPSK	6	0	18.61	18.73	18.49	20.2	1
1.4	16QAM	1	0	18.62	18.72	18.40		
1.4	16QAM	1	3	18.48	18.69	18.59		
1.4	16QAM	1	5	18.59	18.66	18.56	20.2	1
1.4	16QAM	3	0	18.57	18.71	18.46		
1.4	16QAM	3	1	18.56	18.69	18.60		
1.4	16QAM	3	3	18.54	18.58	18.51		
1.4	16QAM	6	0	17.52	17.60	17.61	19.2	2
1.4	64QAM	1	0	17.55	17.71	17.46		
1.4	64QAM	1	3	17.60	17.61	17.53		
1.4	64QAM	1	5	17.44	17.60	17.51	19.2	2
1.4	64QAM	3	0	17.66	17.65	17.55		
1.4	64QAM	3	1	17.57	17.61	17.50		
1.4	64QAM	3	3	17.53	17.61	17.55		
1.4	64QAM	6	0	16.54	16.61	16.52	18.2	3
1.4	256QAM	1	0	14.51	14.63	14.53		
1.4	256QAM	1	3	14.64	14.72	14.46		
1.4	256QAM	1	5	14.58	14.76	14.43	16.2	5
1.4	256QAM	3	0	14.57	14.59	14.57		
1.4	256QAM	3	1	14.50	14.70	14.47		
1.4	256QAM	3	3	14.55	14.67	14.48		
1.4	256QAM	6	0	14.45	14.72	14.53	16.2	5

Band 66 Ant7 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	18.15	18.18	18.13		
20	QPSK	1	49	18.08	18.05	18.07	19.6	0
20	QPSK	1	99	18.02	18.04	18.10		
20	QPSK	50	0	18.11	18.15	18.05		
20	QPSK	50	24	18.12	18.11	18.04	19.6	0
20	QPSK	50	50	18.05	18.10	18.08		
20	QPSK	100	0	18.05	18.11	18.09		
20	16QAM	1	0	18.10	18.07	18.04		
20	16QAM	1	49	17.96	17.99	17.97	19.6	0
20	16QAM	1	99	17.98	17.97	18.06		
20	16QAM	50	0	18.02	18.10	17.94		
20	16QAM	50	24	18.08	18.08	18.01	19.6	0
20	16QAM	50	50	17.93	18.04	17.99		
20	16QAM	100	0	18.00	18.07	17.98		
20	64QAM	1	0	18.04	18.08	18.11		
20	64QAM	1	49	18.04	18.01	17.97	19.6	0
20	64QAM	1	99	17.99	18.02	18.01		
20	64QAM	50	0	17.69	17.69	17.68		
20	64QAM	50	24	17.61	17.49	17.54	19.1	0.5
20	64QAM	50	50	17.54	17.54	17.65		
20	64QAM	100	0	17.59	17.65	17.58		
20	256QAM	1	0	15.64	15.71	15.66		
20	256QAM	1	49	15.53	15.58	15.58	17.1	2.5
20	256QAM	1	99	15.46	15.56	15.56		
20	256QAM	50	0	15.58	15.69	15.59		
20	256QAM	50	24	15.58	15.57	15.59	17.1	2.5
20	256QAM	50	50	15.51	15.57	15.53		
20	256QAM	100	0	15.52	15.58	15.55		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.09	18.04	18.07		
15	QPSK	1	37	18.05	18.01	17.99	19.6	0
15	QPSK	1	74	17.98	17.97	17.99		
15	QPSK	36	0	18.06	18.05	17.98		
15	QPSK	36	20	17.99	17.98	18.01	19.6	0
15	QPSK	36	39	17.94	18.02	18.02		
15	QPSK	75	0	17.99	18.04	18.07		
15	16QAM	1	0	18.01	18.02	17.98		
15	16QAM	1	37	17.84	17.89	17.92	19.6	0
15	16QAM	1	74	17.94	17.89	18.02		
15	16QAM	36	0	17.95	18.04	17.80		
15	16QAM	36	20	18.05	17.97	17.95	19.6	0
15	16QAM	36	39	17.85	18.01	17.95		
15	16QAM	75	0	17.94	17.94	17.89		
15	64QAM	1	0	17.93	18.00	18.04		
15	64QAM	1	37	17.97	17.91	17.94	19.6	0
15	64QAM	1	74	17.94	17.89	17.90		
15	64QAM	36	0	17.64	17.66	17.64		
15	64QAM	36	20	17.56	17.43	17.51	19.1	0.5
15	64QAM	36	39	17.49	17.48	17.59		
15	64QAM	75	0	17.46	17.59	17.54		
15	256QAM	1	0	15.62	15.65	15.58		
15	256QAM	1	37	15.42	15.47	15.53	17.1	2.5
15	256QAM	1	74	15.39	15.43	15.42		
15	256QAM	36	0	15.49	15.58	15.48		
15	256QAM	36	20	15.45	15.55	15.45	17.1	2.5
15	256QAM	36	39	15.38	15.44	15.39		
15	256QAM	75	0	15.48	15.45	15.47		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.10	18.15	18.08		
10	QPSK	1	25	17.95	17.97	18.01	19.6	0
10	QPSK	1	49	17.99	18.01	18.00		
10	QPSK	25	0	18.02	18.08	17.98		
10	QPSK	25	12	18.09	18.09	17.94	19.6	0
10	QPSK	25	25	17.92	18.03	17.94		
10	QPSK	50	0	18.01	18.06	18.04		
10	16QAM	1	0	17.96	18.03	17.90		
10	16QAM	1	25	17.83	17.88	17.90	19.6	0
10	16QAM	1	49	17.89	17.93	18.00		
10	16QAM	25	0	17.88	18.08	17.85		
10	16QAM	25	12	18.04	17.99	17.96	19.6	0
10	16QAM	25	25	17.79	17.99	17.94		
10	16QAM	50	0	17.90	17.97	17.94		
10	64QAM	1	0	17.97	18.05	17.97		
10	64QAM	1	25	17.91	17.94	17.83	19.6	0
10	64QAM	1	49	17.97	17.96	17.96		
10	64QAM	25	0	17.56	17.66	17.61		
10	64QAM	25	12	17.57	17.40	17.49	19.1	0.5
10	64QAM	25	25	17.52	17.51	17.60		
10	64QAM	50	0	17.45	17.60	17.45		
10	256QAM	1	0	15.59	15.65	15.53		
10	256QAM	1	25	15.48	15.54	15.53	17.1	2.5
10	256QAM	1	49	15.34	15.54	15.47		
10	256QAM	25	0	15.55	15.61	15.47		
10	256QAM	25	12	15.47	15.47	15.50	17.1	2.5
10	256QAM	25	25	15.45	15.52	15.44		
10	256QAM	50	0	15.47	15.52	15.50		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	18.07	18.04	18.06		
5	QPSK	1	12	18.01	17.97	17.97	19.6	0
5	QPSK	1	24	17.98	17.92	17.98		
5	QPSK	12	0	17.97	18.10	17.98		
5	QPSK	12	7	18.00	18.08	17.92	19.6	0
5	QPSK	12	13	17.94	18.06	18.05		
5	QPSK	25	0	17.92	18.01	17.95		
5	16QAM	1	0	17.96	18.01	17.99		
5	16QAM	1	12	17.88	17.97	17.92	19.6	0
5	16QAM	1	24	17.96	17.85	17.93		
5	16QAM	12	0	17.92	18.04	17.91		
5	16QAM	12	7	18.05	17.95	17.88	19.6	0
5	16QAM	12	13	17.85	17.96	17.91		
5	16QAM	25	0	17.97	18.04	17.89		
5	64QAM	1	0	18.01	18.04	18.03		
5	64QAM	1	12	17.95	17.90	17.91	19.6	0
5	64QAM	1	24	17.91	17.98	17.89		
5	64QAM	12	0	17.64	17.65	17.64		
5	64QAM	12	7	17.51	17.36	17.46	19.1	0.5
5	64QAM	12	13	17.43	17.49	17.58		
5	64QAM	25	0	17.48	17.60	17.50		
5	256QAM	1	0	15.51	15.65	15.57		
5	256QAM	1	12	15.40	15.49	15.55	17.1	2.5
5	256QAM	1	24	15.38	15.48	15.53		
5	256QAM	12	0	15.47	15.58	15.47		
5	256QAM	12	7	15.45	15.53	15.56	17.1	2.5
5	256QAM	12	13	15.43	15.53	15.40		
5	256QAM	25	0	15.48	15.51	15.44		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	18.09	18.11	18.05		
3	QPSK	1	8	17.95	17.92	18.01	19.6	0
3	QPSK	1	14	17.97	17.90	18.07		
3	QPSK	8	0	18.05	18.13	17.94		
3	QPSK	8	4	17.99	18.07	17.93	19.6	0
3	QPSK	8	7	17.94	18.02	17.99		
3	QPSK	15	0	17.93	18.00	17.96		
3	16QAM	1	0	17.96	18.00	17.92		
3	16QAM	1	8	17.92	17.94	17.93	19.6	0
3	16QAM	1	14	17.90	17.91	17.94		
3	16QAM	8	0	17.96	18.01	17.82		
3	16QAM	8	4	17.88	18.04	17.88	19.6	0
3	16QAM	8	7	17.88	17.98	17.91		
3	16QAM	15	0	17.92	17.94	17.86		
3	64QAM	1	0	17.96	17.95	18.03		
3	64QAM	1	8	17.96	17.99	17.92	19.6	0
3	64QAM	1	14	17.87	17.88	17.99		
3	64QAM	8	0	17.61	17.59	17.60		
3	64QAM	8	4	17.49	17.47	17.41	19.1	0.5
3	64QAM	8	7	17.42	17.44	17.57		
3	64QAM	15	0	17.53	17.53	17.52		
3	256QAM	1	0	15.51	15.61	15.62		
3	256QAM	1	8	15.50	15.51	15.47	17.1	2.5
3	256QAM	1	14	15.38	15.53	15.42		
3	256QAM	8	0	15.47	15.62	15.46		
3	256QAM	8	4	15.53	15.45	15.49	17.1	2.5
3	256QAM	8	7	15.45	15.53	15.45		
3	256QAM	15	0	15.42	15.45	15.44		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	18.07	18.05	18.04		
1.4	QPSK	1	3	18.04	17.95	17.97	19.6	0
1.4	QPSK	1	5	17.93	17.92	18.04		
1.4	QPSK	3	0	18.05	18.10	17.97		
1.4	QPSK	3	1	18.04	18.04	17.97		
1.4	QPSK	3	3	17.96	18.04	18.05		
1.4	QPSK	6	0	17.94	17.99	18.03	19.6	0
1.4	16QAM	1	0	17.98	17.97	17.93		
1.4	16QAM	1	3	17.93	17.89	17.87		
1.4	16QAM	1	5	17.88	17.94	18.00	19.6	0
1.4	16QAM	3	0	17.93	18.02	17.90		
1.4	16QAM	3	1	17.96	18.04	17.91		
1.4	16QAM	3	3	17.82	17.95	17.86		
1.4	16QAM	6	0	17.86	18.04	17.84	19.6	0
1.4	64QAM	1	0	17.93	18.02	18.02		
1.4	64QAM	1	3	18.00	17.88	17.94		
1.4	64QAM	1	5	17.90	17.97	17.91	19.6	0
1.4	64QAM	3	0	18.08	18.05	18.11		
1.4	64QAM	3	1	17.96	17.98	17.96		
1.4	64QAM	3	3	17.97	18.04	18.04		
1.4	64QAM	6	0	17.47	17.58	17.45	19.1	0.5
1.4	256QAM	1	0	15.61	15.58	15.61		
1.4	256QAM	1	3	15.51	15.47	15.54		
1.4	256QAM	1	5	15.35	15.42	15.44	17.1	2.5
1.4	256QAM	3	0	15.49	15.61	15.53		
1.4	256QAM	3	1	15.56	15.44	15.49		
1.4	256QAM	3	3	15.45	15.54	15.45		
1.4	256QAM	6	0	15.43	15.52	15.48	17.1	2.5

Band 38 Ant7 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.20	20.25	20.16	21.8	0
20	QPSK	1	49	20.20	20.16	20.10		
20	QPSK	1	99	20.08	20.23	20.12		
20	QPSK	50	0	20.11	20.23	20.10	21.8	0
20	QPSK	50	24	20.11	20.13	20.11		
20	QPSK	50	50	20.19	20.22	20.06		
20	QPSK	100	0	20.15	20.16	20.14		
20	16QAM	1	0	20.17	20.12	20.17	21.8	0
20	16QAM	1	49	20.19	20.16	20.09		
20	16QAM	1	99	20.14	20.17	20.09		
20	16QAM	50	0	19.74	19.73	19.61	21.3	0.5
20	16QAM	50	24	19.65	19.67	19.65		
20	16QAM	50	50	19.75	19.68	19.66		
20	16QAM	100	0	19.67	19.72	19.61		
20	64QAM	1	0	19.71	19.73	19.61	21.3	0.5
20	64QAM	1	49	19.68	19.72	19.64		
20	64QAM	1	99	19.74	19.72	19.70		
20	64QAM	50	0	18.74	18.65	18.70	20.3	1.5
20	64QAM	50	24	18.68	18.65	18.69		
20	64QAM	50	50	18.67	18.71	18.64		
20	64QAM	100	0	18.70	18.72	18.63		
20	256QAM	1	0	16.66	16.69	16.61	18.3	3.5
20	256QAM	1	49	16.65	16.70	16.65		
20	256QAM	1	99	16.72	16.66	16.65		
20	256QAM	50	0	16.65	16.68	16.68	18.3	3.5
20	256QAM	50	24	16.70	16.67	16.63		
20	256QAM	50	50	16.69	16.76	16.65		
20	256QAM	100	0	16.73	16.65	16.61		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	20.11	20.13	20.09	21.8	0
15	QPSK	1	37	20.14	20.03	20.03		
15	QPSK	1	74	19.92	20.12	19.98		
15	QPSK	36	0	19.98	20.08	20.04	21.8	0
15	QPSK	36	20	19.98	20.00	20.04		
15	QPSK	36	39	20.13	20.15	19.91		
15	QPSK	75	0	20.10	20.03	20.05		
15	16QAM	1	0	20.12	20.07	20.08	21.8	0
15	16QAM	1	37	20.09	20.02	20.04		
15	16QAM	1	74	20.03	20.07	20.02		
15	16QAM	36	0	19.62	19.60	19.57	21.3	0.5
15	16QAM	36	20	19.57	19.57	19.61		
15	16QAM	36	39	19.62	19.57	19.58		
15	16QAM	75	0	19.58	19.61	19.45		
15	64QAM	1	0	19.56	19.61	19.48	21.3	0.5
15	64QAM	1	37	19.59	19.60	19.56		
15	64QAM	1	74	19.63	19.62	19.63		
15	64QAM	36	0	18.61	18.57	18.65	20.3	1.5
15	64QAM	36	20	18.53	18.52	18.56		
15	64QAM	36	39	18.51	18.55	18.58		
15	64QAM	75	0	18.66	18.64	18.57		
15	256QAM	1	0	16.55	16.54	16.52	18.3	3.5
15	256QAM	1	37	16.56	16.65	16.54		
15	256QAM	1	74	16.67	16.53	16.61		
15	256QAM	36	0	16.60	16.59	16.56	18.3	3.5
15	256QAM	36	20	16.65	16.62	16.50		
15	256QAM	36	39	16.62	16.65	16.59		
15	256QAM	75	0	16.58	16.57	16.46		
Channel				37900	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	20.05	20.16	20.00	21.8	0
10	QPSK	1	25	20.14	20.12	20.01		
10	QPSK	1	49	19.96	20.16	20.03		
10	QPSK	25	0	19.96	20.06	20.01	21.8	0
10	QPSK	25	12	19.96	20.03	19.98		
10	QPSK	25	25	20.07	20.16	20.02		
10	QPSK	50	0	20.08	20.05	20.06		
10	16QAM	1	0	20.02	20.08	20.08	21.8	0
10	16QAM	1	25	20.11	20.08	20.00		
10	16QAM	1	49	20.07	20.12	20.05		
10	16QAM	25	0	19.62	19.66	19.45	21.3	0.5
10	16QAM	25	12	19.51	19.59	19.59		
10	16QAM	25	25	19.60	19.60	19.59		
10	16QAM	50	0	19.60	19.66	19.50		
10	64QAM	1	0	19.61	19.65	19.52	21.3	0.5
10	64QAM	1	25	19.59	19.66	19.50		
10	64QAM	1	49	19.62	19.64	19.59		
10	64QAM	25	0	18.70	18.54	18.57	20.3	1.5
10	64QAM	25	12	18.62	18.60	18.59		
10	64QAM	25	25	18.63	18.61	18.59		
10	64QAM	50	0	18.57	18.62	18.59		
10	256QAM	1	0	16.58	16.64	16.54	18.3	3.5
10	256QAM	1	25	16.55	16.56	16.60		
10	256QAM	1	49	16.62	16.60	16.60		
10	256QAM	25	0	16.53	16.61	16.62	18.3	3.5
10	256QAM	25	12	16.55	16.59	16.51		
10	256QAM	25	25	16.58	16.66	16.51		
10	256QAM	50	0	16.62	16.58	16.50		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	20.09	20.04	20.09	21.8	0
5	QPSK	1	12	20.10	20.10	19.97		
5	QPSK	1	24	19.98	20.09	19.97		
5	QPSK	12	0	19.97	20.03	20.06	21.8	0
5	QPSK	12	7	20.04	20.03	19.99		
5	QPSK	12	13	20.04	20.14	19.97		
5	QPSK	25	0	20.10	20.02	20.06		
5	16QAM	1	0	20.08	20.04	20.06	21.8	0
5	16QAM	1	12	20.06	20.03	20.00		
5	16QAM	1	24	20.08	20.03	20.03		
5	16QAM	12	0	19.66	19.68	19.56	21.3	0.5
5	16QAM	12	7	19.55	19.55	19.55		
5	16QAM	12	13	19.67	19.58	19.57		
5	16QAM	25	0	19.53	19.66	19.57		
5	64QAM	1	0	19.59	19.61	19.53	21.3	0.5
5	64QAM	1	12	19.60	19.59	19.52		
5	64QAM	1	24	19.60	19.56	19.63		
5	64QAM	12	0	18.65	18.54	18.64	20.3	1.5
5	64QAM	12	7	18.53	18.61	18.55		
5	64QAM	12	13	18.52	18.59	18.53		
5	64QAM	25	0	18.63	18.62	18.56		
5	256QAM	1	0	16.58	16.59	16.50	18.3	3.5
5	256QAM	1	12	16.58	16.58	16.51		
5	256QAM	1	24	16.60	16.57	16.59		
5	256QAM	12	0	16.60	16.62	16.62	18.3	3.5
5	256QAM	12	7	16.55	16.56	16.58		
5	256QAM	12	13	16.60	16.69	16.57		
5	256QAM	25	0	16.64	16.56	16.45		

Band 41 Ant7 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.13	20.20	20.35	20.19	20.19	21.8	0
20	QPSK	1	49	20.02	20.13	20.24	20.16	20.14		
20	QPSK	1	99	19.90	20.25	20.11	20.12	20.02		
20	QPSK	50	0	20.04	20.07	20.29	20.16	20.11	21.8	0
20	QPSK	50	24	20.06	20.08	20.19	20.17	20.02		
20	QPSK	50	50	20.21	20.05	20.14	20.25	20.17		
20	QPSK	100	0	20.18	20.09	20.24	20.23	20.00		
20	16QAM	1	0	20.02	20.24	20.26	19.99	20.01	21.8	0
20	16QAM	1	49	19.86	19.98	20.17	19.96	19.86		
20	16QAM	1	99	19.85	20.07	20.08	19.99	19.96		
20	16QAM	50	0	19.59	19.72	19.77	19.75	19.64	21.3	0.5
20	16QAM	50	24	19.65	19.66	19.77	19.73	19.72		
20	16QAM	50	50	19.62	19.74	19.81	19.69	19.72		
20	16QAM	100	0	19.67	19.73	19.72	19.65	19.71		
20	64QAM	1	0	19.64	19.74	19.71	19.75	19.64	21.3	0.5
20	64QAM	1	49	19.59	19.67	19.81	19.69	19.70		
20	64QAM	1	99	19.60	19.71	19.77	19.64	19.65		
20	64QAM	50	0	19.57	19.70	19.78	19.69	19.75	20.3	1.5
20	64QAM	50	24	18.63	18.69	18.71	18.72	18.64		
20	64QAM	50	50	18.61	18.71	18.82	18.74	18.69		
20	64QAM	100	0	18.64	18.75	18.71	18.72	18.71		
20	256QAM	1	0	16.66	16.70	16.73	16.64	16.71	18.3	3.5
20	256QAM	1	49	16.68	16.64	16.76	16.66	16.74		
20	256QAM	1	99	16.61	16.74	16.79	16.75	16.68		
20	256QAM	50	0	16.63	16.69	16.78	16.72	16.73	18.3	3.5
20	256QAM	50	24	16.66	16.74	16.70	16.67	16.64		
20	256QAM	50	50	16.65	16.66	16.80	16.66	16.70		
20	256QAM	100	0	16.65	16.70	16.72	16.73	16.69		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.09	20.17	20.24	20.13	20.13	22	0
15	QPSK	1	37	19.95	20.11	20.19	20.13	20.09		
15	QPSK	1	74	19.87	20.22	20.09	20.06	19.96		
15	QPSK	36	0	19.99	20.05	20.26	20.13	20.06	21.8	0
15	QPSK	36	20	19.98	20.05	20.12	20.11	19.96		
15	QPSK	36	39	20.13	19.98	20.10	20.19	20.11		
15	QPSK	75	0	20.12	20.01	20.15	20.18	19.95		
15	16QAM	1	0	19.98	20.20	20.19	19.94	19.94	21.8	0
15	16QAM	1	37	19.81	19.92	20.10	19.93	19.80		
15	16QAM	1	74	19.83	20.02	20.02	19.93	19.88		
15	16QAM	36	0	19.52	19.69	19.72	19.72	19.59	21.3	0.5
15	16QAM	36	20	19.58	19.60	19.72	19.70	19.66		
15	16QAM	36	39	19.55	19.66	19.73	19.61	19.66		
15	16QAM	75	0	19.64	19.66	19.67	19.63	19.63		
15	64QAM	1	0	19.60	19.67	19.65	19.72	19.56	21.3	0.5
15	64QAM	1	37	19.53	19.63	19.79	19.61	19.67		
15	64QAM	1	74	19.56	19.67	19.74	19.58	19.61		
15	64QAM	36	0	19.54	19.66	19.74	19.65	19.68	20.3	1.5
15	64QAM	36	20	18.58	18.66	18.67	18.67	18.58		
15	64QAM	36	39	18.55	18.66	18.77	18.70	18.62		
15	64QAM	75	0	18.62	18.73	18.68	18.66	18.65		
15	256QAM	1	0	16.58	16.62	16.69	16.60	16.64	18.3	3.5
15	256QAM	1	37	16.65	16.62	16.72	16.59	16.69		
15	256QAM	1	74	16.55	16.67	16.77	16.69	16.63		
15	256QAM	36	0	16.59	16.62	16.76	16.67	16.70	18.3	3.5
15	256QAM	36	20	16.60	16.67	16.66	16.62	16.61		
15	256QAM	36	39	16.58	16.61	16.74	16.62	16.64		
15	256QAM	75	0	16.57	16.62	16.65	16.70	16.62		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.05	20.12	20.22	20.16	20.15	22	0
10	QPSK	1	25	19.96	20.10	20.17	20.11	20.11		
10	QPSK	1	49	19.87	20.22	20.08	20.07	20.00		
10	QPSK	25	0	19.97	19.99	20.26	20.12	20.07	21.8	0
10	QPSK	25	12	20.00	20.01	20.12	20.12	19.99		
10	QPSK	25	25	20.16	19.97	20.07	20.19	20.09		
10	QPSK	50	0	20.11	20.06	20.11	20.19	19.96		
10	16QAM	1	0	19.98	20.19	20.20	19.92	19.96	21.8	0
10	16QAM	1	25	19.82	19.96	20.14	19.93	19.80		
10	16QAM	1	49	19.80	20.04	20.03	19.95	19.90		
10	16QAM	25	0	19.52	19.67	19.70	19.69	19.60	21.3	0.5
10	16QAM	25	12	19.58	19.60	19.72	19.70	19.67		
10	16QAM	25	25	19.59	19.71	19.76	19.61	19.66		
10	16QAM	50	0	19.64	19.68	19.66	19.61	19.68		
10	64QAM	1	0	19.61	19.71	19.65	19.72	19.57	21.3	0.5
10	64QAM	1	25	19.57	19.59	19.76	19.62	19.64		
10	64QAM	1	49	19.55	19.63	19.70	19.58	19.62		
10	64QAM	25	0	19.50	19.65	19.73	19.67	19.69	20.3	1.5
10	64QAM	25	12	18.68	18.62	18.63	18.69	18.61		
10	64QAM	25	25	18.56	18.66	18.78	18.70	18.65		
10	64QAM	50	0	18.59	18.68	18.64	18.65	18.66		
10	256QAM	1	0	16.60	16.67	16.65	16.59	16.65	18.3	3.5
10	256QAM	1	25	16.64	16.59	16.73	16.61	16.67		
10	256QAM	1	49	16.58	16.68	16.75	16.72	16.64		
10	256QAM	25	0	16.55	16.63	16.71	16.64	16.67	18.3	3.5
10	256QAM	25	12	16.59	16.66	16.67	16.63	16.61		
10	256QAM	25	25	16.58	16.61	16.75	16.60	16.67		
10	256QAM	50	0	16.57	16.63	16.70	16.76	16.61		
Channel				39675	40148	40620	41093	41565	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.10	20.18	20.19	20.14	20.17	22	0
5	QPSK	1	12	19.98	20.05	20.21	20.09	20.11		
5	QPSK	1	24	19.82	20.19	20.08	20.10	19.97		
5	QPSK	12	0	20.00	20.01	20.25	20.09	20.06	21.8	0
5	QPSK	12	7	20.01	20.04	20.14	20.14	19.98		
5	QPSK	12	13	20.17	19.98	20.10	20.21	20.13		
5	QPSK	25	0	20.12	20.03	20.13	20.21	19.93		
5	16QAM	1	0	19.95	20.17	20.24	19.92	19.94	21.8	0
5	16QAM	1	12	19.82	19.96	20.12	19.90	19.82		
5	16QAM	1	24	19.82	20.04	20.06	19.92	19.92		
5	16QAM	12	0	19.52	19.66	19.75	19.70	19.58	21.3	0.5
5	16QAM	12	7	19.63	19.61	19.72	19.68	19.68		
5	16QAM	12	13	19.57	19.68	19.79	19.63	19.69		
5	16QAM	25	0	19.61	19.70	19.65	19.62	19.63		
5	64QAM	1	0	19.59	19.69	19.65	19.71	19.57	21.3	0.5
5	64QAM	1	12	19.53	19.65	19.75	19.65	19.62		
5	64QAM	1	24	19.57	19.69	19.70	19.62	19.63		
5	64QAM	12	0	19.51	19.66	19.70	19.63	19.71	20.3	1.5
5	64QAM	12	7	18.60	18.66	18.65	18.67	18.57		
5	64QAM	12	13	18.55	18.65	18.78	18.70	18.64		
5	64QAM	25	0	18.58	18.73	18.69	18.66	18.66		
5	256QAM	1	0	16.60	16.62	16.68	16.58	16.64	18.3	3.5
5	256QAM	1	12	16.62	16.59	16.74	16.63	16.68		
5	256QAM	1	24	16.57	16.66	16.71	16.72	16.60		
5	256QAM	12	0	16.61	16.62	16.70	16.65	16.66	18.3	3.5
5	256QAM	12	7	16.62	16.69	16.66	16.62	16.58		
5	256QAM	12	13	16.60	16.63	16.73	16.60	16.63		
5	256QAM	25	0	16.62	16.66	16.69	16.68	16.65		

Band 42 Ant10 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	24.92	25.06	24.97	26	0
20	QPSK	1	49	24.91	25.02	24.88		
20	QPSK	1	99	24.88	24.97	24.87		
20	QPSK	50	0	23.94	24.15	23.97	25	1
20	QPSK	50	24	23.92	24.10	24.03		
20	QPSK	50	50	23.89	24.00	23.93		
20	QPSK	100	0	24.04	24.12	24.00		
20	16QAM	1	0	23.97	24.06	23.99	25	1
20	16QAM	1	49	23.97	24.07	23.99		
20	16QAM	1	99	24.00	24.11	23.94		
20	16QAM	50	0	22.99	23.03	22.96	24	2
20	16QAM	50	24	23.04	23.06	23.08		
20	16QAM	50	50	22.95	23.10	22.97		
20	16QAM	100	0	22.97	23.08	23.03		
20	64QAM	1	0	22.90	23.15	22.95	24	2
20	64QAM	1	49	22.93	23.18	22.97		
20	64QAM	1	99	22.98	23.14	23.02		
20	64QAM	50	0	21.89	22.12	22.03	23	3
20	64QAM	50	24	21.98	22.13	22.04		
20	64QAM	50	50	22.04	22.13	21.93		
20	64QAM	100	0	21.95	22.12	21.93		
20	256QAM	1	0	19.95	20.07	20.07	21	5
20	256QAM	1	49	19.94	20.13	19.97		
20	256QAM	1	99	19.95	20.02	19.96		
20	256QAM	50	0	19.88	20.08	20.00	21	5
20	256QAM	50	24	19.91	20.13	20.00		
20	256QAM	50	50	19.97	20.18	19.92		
20	256QAM	100	0	19.88	20.10	20.05		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	24.84	25.00	24.89	26	0
15	QPSK	1	37	24.76	24.93	24.76		
15	QPSK	1	74	24.83	24.88	24.73		
15	QPSK	36	0	23.90	23.97	23.86	25	1
15	QPSK	36	20	23.83	24.02	23.95		
15	QPSK	36	39	23.75	23.88	23.83		
15	QPSK	75	0	23.92	24.05	23.95		
15	16QAM	1	0	23.88	24.00	23.86	25	1
15	16QAM	1	37	23.86	23.93	23.85		
15	16QAM	1	74	23.95	24.03	23.81		
15	16QAM	36	0	22.83	22.88	22.84	24	2
15	16QAM	36	20	22.91	23.00	22.99		
15	16QAM	36	39	22.80	23.00	22.89		
15	16QAM	75	0	22.86	22.96	22.96		
15	64QAM	1	0	22.80	23.10	22.81	24	2
15	64QAM	1	37	22.78	23.07	22.89		
15	64QAM	1	74	22.91	23.00	22.98		
15	64QAM	36	0	21.85	22.06	21.88	23	3
15	64QAM	36	20	21.85	21.98	21.98		
15	64QAM	36	39	21.93	22.07	21.81		
15	64QAM	75	0	21.80	22.06	21.85		
15	256QAM	1	0	19.85	20.01	19.92	21	5
15	256QAM	1	37	19.79	20.06	19.90		
15	256QAM	1	74	19.80	19.96	19.89		
15	256QAM	36	0	19.75	19.97	19.90	21	5
15	256QAM	36	20	19.87	19.98	19.91		
15	256QAM	36	39	19.91	20.02	19.78		
15	256QAM	75	0	19.76	19.97	19.92		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	24.83	24.94	24.86	26	0
10	QPSK	1	25	24.78	24.86	24.74		
10	QPSK	1	49	24.79	24.90	24.76		
10	QPSK	25	0	23.82	23.93	23.93	25	1
10	QPSK	25	12	23.83	23.96	23.91		
10	QPSK	25	25	23.85	23.96	23.81		
10	QPSK	50	0	23.95	24.00	23.86		
10	16QAM	1	0	23.83	23.90	23.92	25	1
10	16QAM	1	25	23.90	23.94	23.91		
10	16QAM	1	49	23.85	24.02	23.86		
10	16QAM	25	0	22.83	22.94	22.92	24	2
10	16QAM	25	12	22.97	22.99	22.96		
10	16QAM	25	25	22.80	22.99	22.92		
10	16QAM	50	0	22.89	22.98	22.94		
10	64QAM	1	0	22.75	23.03	22.85	24	2
10	64QAM	1	25	22.79	23.07	22.85		
10	64QAM	1	49	22.90	23.03	22.89		
10	64QAM	25	0	21.80	22.04	21.88	23	3
10	64QAM	25	12	21.91	22.07	21.94		
10	64QAM	25	25	21.99	22.03	21.78		
10	64QAM	50	0	21.83	22.03	21.86		
10	256QAM	1	0	19.87	19.92	20.00	21	5
10	256QAM	1	25	19.81	20.02	19.87		
10	256QAM	1	49	19.86	19.97	19.85		
10	256QAM	25	0	19.76	20.04	19.94	21	5
10	256QAM	25	12	19.78	20.00	19.93		
10	256QAM	25	25	19.89	20.06	19.85		
10	256QAM	50	0	19.74	20.05	19.94		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	24.83	24.90	24.82	26	0
5	QPSK	1	12	24.76	24.89	24.81		
5	QPSK	1	24	24.75	24.92	24.79		
5	QPSK	12	0	23.90	23.92	23.81	25	1
5	QPSK	12	7	23.81	24.01	23.90		
5	QPSK	12	13	23.78	23.90	23.84		
5	QPSK	25	0	23.95	24.03	23.93		
5	16QAM	1	0	23.87	24.00	23.83	25	1
5	16QAM	1	12	23.85	23.97	23.94		
5	16QAM	1	24	23.95	24.00	23.82		
5	16QAM	12	0	22.83	22.96	22.91	24	2
5	16QAM	12	7	22.96	22.99	22.95		
5	16QAM	12	13	22.90	23.05	22.92		
5	16QAM	25	0	22.84	22.92	22.88		
5	64QAM	1	0	22.82	23.05	22.83	24	2
5	64QAM	1	12	22.89	23.09	22.90		
5	64QAM	1	24	22.83	23.07	22.93		
5	64QAM	12	0	21.83	22.02	21.90	23	3
5	64QAM	12	7	21.88	22.07	21.93		
5	64QAM	12	13	21.88	22.07	21.78		
5	64QAM	25	0	21.90	22.06	21.87		
5	256QAM	1	0	19.89	19.96	20.00	21	5
5	256QAM	1	12	19.88	20.06	19.89		
5	256QAM	1	24	19.87	19.90	19.87		
5	256QAM	12	0	19.82	20.03	19.94	21	5
5	256QAM	12	7	19.77	19.99	19.95		
5	256QAM	12	13	19.87	20.06	19.77		
5	256QAM	25	0	19.75	20.05	19.97		

Band 48 Ant10 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	23.29	23.57	23.31	23.36	25	0
20	QPSK	1	49	23.37	23.38	23.30	23.36		
20	QPSK	1	99	23.46	23.47	23.39	23.40		
20	QPSK	50	0	22.48	22.61	22.50	22.47	24	1
20	QPSK	50	24	22.47	22.51	22.49	22.54		
20	QPSK	50	50	22.33	22.59	22.45	22.48		
20	QPSK	100	0	22.32	22.57	22.38	22.51		
20	16QAM	1	0	22.43	22.56	22.40	22.47	24	1
20	16QAM	1	49	22.52	22.55	22.55	22.52		
20	16QAM	1	99	22.44	22.52	22.42	22.52		
20	16QAM	50	0	21.40	21.59	21.42	21.40	23	2
20	16QAM	50	24	21.46	21.59	21.47	21.54		
20	16QAM	50	50	21.42	21.49	21.48	21.41		
20	16QAM	100	0	21.42	21.59	21.38	21.45		
20	64QAM	1	0	21.41	21.54	21.41	21.51	23	2
20	64QAM	1	49	21.40	21.50	21.40	21.46		
20	64QAM	1	99	21.37	21.56	21.39	21.42		
20	64QAM	50	0	20.35	20.53	20.39	20.47	22	3
20	64QAM	50	24	20.38	20.60	20.39	20.50		
20	64QAM	50	50	20.48	20.66	20.47	20.41		
20	64QAM	100	0	20.46	20.58	20.43	20.41		
20	256QAM	1	0	18.37	18.52	18.51	18.36	20	5
20	256QAM	1	49	18.47	18.55	18.52	18.46		
20	256QAM	1	99	18.49	18.47	18.41	18.39		
20	256QAM	50	0	18.51	18.49	18.45	18.49	20	5
20	256QAM	50	24	18.42	18.55	18.40	18.39		
20	256QAM	50	50	18.52	18.59	18.49	18.47		
20	256QAM	100	0	18.43	18.51	18.48	18.51		
Channel				55315	55820	56160	56665	Tune-up limit	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	23.21	23.48	23.22	23.22	25	0
15	QPSK	1	37	23.30	23.31	23.22	23.26		
15	QPSK	1	74	23.40	23.33	23.33	23.25		
15	QPSK	36	0	22.36	22.48	22.42	22.32	24	1
15	QPSK	36	20	22.32	22.41	22.35	22.40		
15	QPSK	36	39	22.23	22.44	22.34	22.38		
15	QPSK	75	0	22.18	22.42	22.30	22.40		
15	16QAM	1	0	22.28	22.42	22.30	22.35	24	1
15	16QAM	1	37	22.44	22.48	22.42	22.40		
15	16QAM	1	74	22.31	22.38	22.35	22.38		
15	16QAM	36	0	21.35	21.54	21.36	21.35	23	2
15	16QAM	36	20	21.34	21.43	21.40	21.49		
15	16QAM	36	39	21.27	21.40	21.41	21.31		
15	16QAM	75	0	21.37	21.53	21.26	21.40		
15	64QAM	1	0	21.37	21.46	21.34	21.39	23	2
15	64QAM	1	37	21.28	21.37	21.26	21.33		
15	64QAM	1	74	21.23	21.42	21.23	21.35		
15	64QAM	36	0	20.29	20.37	20.29	20.33	22	3
15	64QAM	36	20	20.32	20.55	20.33	20.37		
15	64QAM	36	39	20.42	20.51	20.36	20.32		
15	64QAM	75	0	20.31	20.43	20.29	20.36		
15	256QAM	1	0	18.30	18.48	18.38	18.27	20	5
15	256QAM	1	37	18.31	18.46	18.41	18.36		
15	256QAM	1	74	18.35	18.38	18.36	18.24		
15	256QAM	36	0	18.38	18.41	18.40	18.45	20	5
15	256QAM	36	20	18.36	18.46	18.33	18.23		
15	256QAM	36	39	18.36	18.50	18.44	18.33		
15	256QAM	75	0	18.31	18.45	18.36	18.35		
Channel				55290	55815	56165	56690	Tune-up limit	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	23.23	23.44	23.18	23.24	25	0
10	QPSK	1	25	23.31	23.33	23.14	23.22		
10	QPSK	1	49	23.41	23.34	23.31	23.27		
10	QPSK	25	0	22.37	22.47	22.34	22.42	24	1
10	QPSK	25	12	22.37	22.39	22.36	22.40		
10	QPSK	25	25	22.23	22.49	22.37	22.38		
10	QPSK	50	0	22.22	22.41	22.25	22.38		
10	16QAM	1	0	22.34	22.44	22.25	22.32	24	1
10	16QAM	1	25	22.42	22.45	22.49	22.40		
10	16QAM	1	49	22.33	22.46	22.32	22.41		
10	16QAM	25	0	21.30	21.52	21.30	21.30	23	2
10	16QAM	25	12	21.36	21.47	21.31	21.49		
10	16QAM	25	25	21.38	21.39	21.43	21.28		
10	16QAM	50	0	21.36	21.47	21.25	21.37		
10	64QAM	1	0	21.36	21.40	21.34	21.44	23	2
10	64QAM	1	25	21.32	21.34	21.27	21.36		
10	64QAM	1	49	21.25	21.46	21.24	21.35		
10	64QAM	25	0	20.20	20.46	20.26	20.36	22	3
10	64QAM	25	12	20.31	20.44	20.32	20.39		
10	64QAM	25	25	20.34	20.55	20.41	20.37		
10	64QAM	50	0	20.30	20.43	20.33	20.25		
10	256QAM	1	0	18.30	18.46	18.43	18.22	20	5
10	256QAM	1	25	18.34	18.45	18.46	18.36		
10	256QAM	1	49	18.41	18.42	18.30	18.27		
10	256QAM	25	0	18.38	18.42	18.41	18.38	20	5
10	256QAM	25	12	18.35	18.40	18.32	18.32		
10	256QAM	25	25	18.41	18.48	18.36	18.41		
10	256QAM	50	0	18.29	18.47	18.41	18.44		
Channel				55265	55810	56170	56715	Tune-up limit	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	23.23	23.42	23.21	23.20	25	0
5	QPSK	1	12	23.22	23.33	23.25	23.24		
5	QPSK	1	24	23.41	23.33	23.24	23.25		
5	QPSK	12	0	22.32	22.50	22.36	22.41	24	1
5	QPSK	12	7	22.35	22.40	22.39	22.42		
5	QPSK	12	13	22.28	22.45	22.34	22.34		
5	QPSK	25	0	22.27	22.47	22.32	22.45		
5	16QAM	1	0	22.34	22.51	22.31	22.40	24	1
5	16QAM	1	12	22.39	22.47	22.50	22.41		
5	16QAM	1	24	22.28	22.42	22.32	22.47		
5	16QAM	12	0	21.28	21.48	21.33	21.31	23	2
5	16QAM	12	7	21.34	21.55	21.31	21.41		
5	16QAM	12	13	21.33	21.40	21.41	21.32		
5	16QAM	25	0	21.28	21.43	21.29	21.34		
5	64QAM	1	0	21.25	21.46	21.32	21.47	23	2
5	64QAM	1	12	21.30	21.43	21.31	21.34		
5	64QAM	1	24	21.31	21.52	21.30	21.31		
5	64QAM	12	0	20.24	20.43	20.26	20.39	22	3
5	64QAM	12	7	20.22	20.50	20.29	20.39		
5	64QAM	12	13	20.37	20.53	20.43	20.26		
5	64QAM	25	0	20.40	20.54	20.31	20.30		
5	256QAM	1	0	18.29	18.37	18.38	18.24	20	5
5	256QAM	1	12	18.32	18.44	18.38	18.38		
5	256QAM	1	24	18.36	18.38	18.32	18.25		
5	256QAM	12	0	18.40	18.41	18.35	18.34	20	5
5	256QAM	12	7	18.37	18.50	18.32	18.26		
5	256QAM	12	13	18.47	18.44	18.41	18.36		
5	256QAM	25	0	18.39	18.43	18.34	18.38		

Reduced Power Mode for DSI5_Main PA

GSM850 Ant0 DSI 5

GSM850 Ant0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.51	33.28	33.61	34.00	24.51	24.28	24.61	25.00
GPRS 1 Tx slot	33.61	33.38	33.69	34.00	24.61	24.38	24.69	25.00
GPRS 2 Tx slots	30.48	30.49	30.39	31.00	24.48	24.49	24.39	25.00
GPRS 3 Tx slots	28.60	28.67	28.81	29.20	24.34	24.41	24.55	24.94
GPRS 4 Tx slots	26.88	26.89	26.81	28.00	23.88	23.89	23.81	25.00
EDGE 1 Tx slot	26.75	27.23	27.04	28.00	17.75	18.23	18.04	19.00
EDGE 2 Tx slots	23.94	24.39	24.22	25.00	17.94	18.39	18.22	19.00
EDGE 3 Tx slots	22.15	22.45	22.34	23.20	17.89	18.19	18.08	18.94
EDGE 4 Tx slots	20.31	20.81	20.34	22.00	17.31	17.81	17.34	19.00

WCDMA V Ant0 DSI 5

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.31	24.40	24.26	25.00
3GPP Rel 99	RMC 12.2Kbps	24.41	24.43	24.37	25.00
3GPP Rel 6	HSDPA Subtest-1	23.47	23.43	23.43	24.00
3GPP Rel 6	HSDPA Subtest-2	23.42	23.48	23.43	24.00
3GPP Rel 6	HSDPA Subtest-3	22.90	22.96	22.92	23.50
3GPP Rel 6	HSDPA Subtest-4	22.89	22.99	22.89	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.46	23.40	23.37	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.38	23.40	23.36	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.87	22.93	22.92	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.92	22.92	22.88	23.50
3GPP Rel 6	HSUPA Subtest-1	23.39	23.43	23.36	24.00
3GPP Rel 6	HSUPA Subtest-2	21.46	21.45	21.33	22.00
3GPP Rel 6	HSUPA Subtest-3	22.38	22.39	22.38	23.00
3GPP Rel 6	HSUPA Subtest-4	21.44	21.47	21.39	22.00
3GPP Rel 6	HSUPA Subtest-5	23.42	23.41	23.36	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.94	20.98	20.91	21.50

Band 5 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	25.17	25.25	25.18	25.7	0
10	QPSK	1	25	25.04	25.20	25.08		
10	QPSK	1	49	25.04	25.17	25.14		
10	QPSK	25	0	24.13	24.28	24.12	24.7	1
10	QPSK	25	12	24.06	24.24	24.13		
10	QPSK	25	25	24.03	24.14	24.10		
10	QPSK	50	0	24.22	24.27	24.21		
10	16QAM	1	0	24.12	24.26	24.23	24.7	1
10	16QAM	1	25	24.05	24.14	24.09		
10	16QAM	1	49	24.00	24.18	24.18		
10	16QAM	25	0	23.18	23.27	23.18	23.7	2
10	16QAM	25	12	23.08	23.30	23.12		
10	16QAM	25	25	22.99	23.10	23.14		
10	16QAM	50	0	23.28	23.21	23.24		
10	64QAM	1	0	23.08	23.27	23.27	23.7	2
10	64QAM	1	25	22.99	23.09	23.06		
10	64QAM	1	49	23.01	23.22	23.21		
10	64QAM	25	0	22.13	22.22	22.08	22.7	3
10	64QAM	25	12	22.00	22.25	22.11		
10	64QAM	25	25	22.06	22.11	22.14		
10	64QAM	50	0	22.16	22.23	22.18		
10	256QAM	1	0	20.16	20.33	20.15	20.7	5
10	256QAM	1	25	20.05	20.20	20.08		
10	256QAM	1	49	20.07	20.10	20.05		
10	256QAM	25	0	20.26	20.32	20.21	20.7	5
10	256QAM	25	12	20.09	20.24	20.18		
10	256QAM	25	25	20.01	20.13	20.05		
10	256QAM	50	0	20.03	20.17	20.18		
Channel				20425	20525	20625	Tune-up limit	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	25.08	25.14	25.10	25.7	0
5	QPSK	1	12	24.98	25.09	25.04		
5	QPSK	1	24	24.95	25.04	25.06		
5	QPSK	12	0	24.10	24.23	24.05	24.7	1
5	QPSK	12	7	23.95	24.17	24.09		
5	QPSK	12	13	23.98	24.03	24.00		
5	QPSK	25	0	24.18	24.17	24.09		
5	16QAM	1	0	24.01	24.14	24.15	24.7	1
5	16QAM	1	12	24.01	24.10	24.04		
5	16QAM	1	24	23.91	24.07	24.14		
5	16QAM	12	0	23.10	23.20	23.05	23.7	2
5	16QAM	12	7	23.05	23.17	23.02		
5	16QAM	12	13	22.95	23.04	23.03		
5	16QAM	25	0	23.21	23.09	23.22		
5	64QAM	1	0	23.02	23.23	23.16	23.7	2
5	64QAM	1	12	22.96	22.96	22.93		
5	64QAM	1	24	22.97	23.12	23.13		
5	64QAM	12	0	22.10	22.17	22.05	22.7	3
5	64QAM	12	7	21.95	22.19	22.04		
5	64QAM	12	13	22.00	22.06	22.11		
5	64QAM	25	0	22.03	22.10	22.13		
5	256QAM	1	0	20.06	20.25	20.04	20.7	5
5	256QAM	1	12	19.94	20.15	20.05		
5	256QAM	1	24	19.96	20.01	20.00		
5	256QAM	12	0	20.14	20.19	20.19	20.7	5
5	256QAM	12	7	20.05	20.13	20.14		
5	256QAM	12	13	19.98	20.03	19.95		
5	256QAM	25	0	19.99	20.08	20.14		
Channel				20415	20525	20635	Tune-up limit	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	25.08	25.20	25.15	25.7	0
3	QPSK	1	8	24.93	25.14	25.01		
3	QPSK	1	14	24.95	25.08	25.01		
3	QPSK	8	0	24.09	24.19	24.05	24.7	1
3	QPSK	8	4	24.04	24.14	24.02		
3	QPSK	8	7	24.00	24.01	23.97		
3	QPSK	15	0	24.18	24.14	24.15		
3	16QAM	1	0	24.02	24.20	24.14	24.7	1
3	16QAM	1	8	23.94	24.05	24.00		
3	16QAM	1	14	23.86	24.10	24.12		
3	16QAM	8	0	23.09	23.21	23.11	23.7	2
3	16QAM	8	4	22.96	23.19	23.03		
3	16QAM	8	7	22.89	23.04	23.08		
3	16QAM	15	0	23.14	23.16	23.12		
3	64QAM	1	0	22.96	23.13	23.22	23.7	2
3	64QAM	1	8	22.97	23.01	23.00		
3	64QAM	1	14	22.92	23.17	23.11		
3	64QAM	8	0	22.01	22.11	21.96	22.7	3
3	64QAM	8	4	21.88	22.19	22.02		
3	64QAM	8	7	22.00	22.05	22.12		
3	64QAM	15	0	22.07	22.20	22.13		
3	256QAM	1	0	20.08	20.29	20.08	20.7	5
3	256QAM	1	8	20.02	20.16	20.02		
3	256QAM	1	14	20.05	19.98	19.92		
3	256QAM	8	0	20.24	20.26	20.16	20.7	5
3	256QAM	8	4	20.06	20.18	20.14		
3	256QAM	8	7	19.95	20.06	19.96		
3	256QAM	15	0	19.96	20.12	20.04		
Channel				20407	20525	20643	Tune-up limit	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	25.05	25.12	25.04	25.7	0
1.4	QPSK	1	3	24.98	25.09	24.99		
1.4	QPSK	1	5	24.95	25.07	25.03		
1.4	QPSK	3	0	24.98	25.00	24.94		
1.4	QPSK	3	1	24.94	25.05	24.91		
1.4	QPSK	3	3	24.89	24.94	24.94		
1.4	QPSK	6	0	24.09	24.14	24.16	24.7	1
1.4	16QAM	1	0	24.01	24.22	24.12	24.7	1
1.4	16QAM	1	3	23.92	24.10	24.05		
1.4	16QAM	1	5	23.94	24.16	24.15		
1.4	16QAM	3	0	24.00	24.03	24.14		
1.4	16QAM	3	1	23.89	24.10	24.04		
1.4	16QAM	3	3	23.86	24.07	23.92		
1.4	16QAM	6	0	23.23	23.12	23.18	23.7	2
1.4	64QAM	1	0	22.97	23.18	23.15	23.7	2
1.4	64QAM	1	3	22.96	22.95	23.04		
1.4	64QAM	1	5	22.97	23.18	23.17		
1.4	64QAM	3	0	23.16	23.09	23.07		
1.4	64QAM	3	1	22.93	23.09	23.01		
1.4	64QAM	3	3	22.91	22.88	22.99		
1.4	64QAM	6	0	22.04	22.10	22.09	22.7	3
1.4	256QAM	1	0	20.08	20.29	20.07	20.7	5
1.4	256QAM	1	3	20.00	20.15	19.99		
1.4	256QAM	1	5	19.99	20.05	19.99		
1.4	256QAM	3	0	20.14	20.20	20.19		
1.4	256QAM	3	1	19.99	20.19	20.13		
1.4	256QAM	3	3	19.97	20.05	19.98		
1.4	256QAM	6	0	19.90	20.14	20.05	20.7	5

Band 12 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	25.10	25.16	25.14	25.7	0
10	QPSK	1	25	24.96	25.10	25.12		
10	QPSK	1	49	25.04	25.08	25.01		
10	QPSK	25	0	24.16	24.18	24.16	24.7	1
10	QPSK	25	12	24.00	24.15	24.13		
10	QPSK	25	25	24.01	24.08	24.02		
10	QPSK	50	0	24.15	24.16	24.09		
10	16QAM	1	0	24.09	24.14	24.12	24.7	1
10	16QAM	1	25	23.92	24.13	24.08		
10	16QAM	1	49	24.02	24.06	24.05		
10	16QAM	25	0	23.12	23.20	23.19	23.7	2
10	16QAM	25	12	22.95	23.09	23.11		
10	16QAM	25	25	22.99	23.02	23.02		
10	16QAM	50	0	23.11	23.16	23.14		
10	64QAM	1	0	23.12	23.20	23.10	23.7	2
10	64QAM	1	25	22.96	23.17	23.06		
10	64QAM	1	49	23.03	23.09	23.02		
10	64QAM	25	0	22.18	22.18	22.16	22.7	3
10	64QAM	25	12	21.96	22.15	22.17		
10	64QAM	25	25	21.99	22.10	22.01		
10	64QAM	50	0	22.19	22.19	22.04		
10	256QAM	1	0	20.13	20.14	20.14	20.7	5
10	256QAM	1	25	20.03	20.13	20.18		
10	256QAM	1	49	20.00	20.12	19.99		
10	256QAM	25	0	20.13	20.13	20.08	20.7	5
10	256QAM	25	12	20.13	20.20	20.13		
10	256QAM	25	25	19.86	20.08	20.03		
10	256QAM	50	0	20.06	20.05	20.10		
Channel				23035	23095	23155	Tune-up limit	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	25.07	25.07	25.07	25.7	0
5	QPSK	1	12	24.89	25.03	24.99		
5	QPSK	1	24	24.94	25.02	24.91		
5	QPSK	12	0	24.13	24.04	24.04	24.7	1
5	QPSK	12	7	23.96	24.02	24.04		
5	QPSK	12	13	23.97	23.99	23.92		
5	QPSK	25	0	24.02	24.04	23.95		
5	16QAM	1	0	24.03	24.09	24.07	24.7	1
5	16QAM	1	12	23.82	24.11	24.05		
5	16QAM	1	24	24.00	23.95	24.02		
5	16QAM	12	0	23.05	23.10	23.16	23.7	2
5	16QAM	12	7	22.90	23.06	23.06		
5	16QAM	12	13	22.86	22.89	22.92		
5	16QAM	25	0	23.06	23.09	23.03		
5	64QAM	1	0	23.09	23.18	23.08	23.7	2
5	64QAM	1	12	22.90	23.11	22.95		
5	64QAM	1	24	22.95	23.06	22.99		
5	64QAM	12	0	22.07	22.12	22.12	22.7	3
5	64QAM	12	7	21.93	22.11	22.09		
5	64QAM	12	13	21.93	22.02	21.87		
5	64QAM	25	0	22.09	22.16	22.01		
5	256QAM	1	0	20.01	20.07	20.06	20.7	5
5	256QAM	1	12	19.95	20.02	20.15		
5	256QAM	1	24	19.90	20.08	19.92		
5	256QAM	12	0	20.04	20.10	20.01	20.7	5
5	256QAM	12	7	20.02	20.16	20.07		
5	256QAM	12	13	19.76	19.95	19.92		
5	256QAM	25	0	19.97	19.91	19.99		
Channel				23025	23095	23165	Tune-up limit	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	25.06	25.07	25.12	25.7	0
3	QPSK	1	8	24.88	25.03	25.00		
3	QPSK	1	14	25.01	25.03	24.99		
3	QPSK	8	0	24.02	24.05	24.02	24.7	1
3	QPSK	8	4	23.94	24.05	24.04		
3	QPSK	8	7	23.96	24.05	23.96		
3	QPSK	15	0	24.11	24.13	24.06		
3	16QAM	1	0	24.01	24.00	24.08	24.7	1
3	16QAM	1	8	23.88	24.05	23.97		
3	16QAM	1	14	24.00	23.95	23.96		
3	16QAM	8	0	23.00	23.16	23.06	23.7	2
3	16QAM	8	4	22.83	22.99	23.04		
3	16QAM	8	7	22.89	22.99	22.98		
3	16QAM	15	0	22.97	23.11	23.04		
3	64QAM	1	0	23.05	23.17	22.99	23.7	2
3	64QAM	1	8	22.87	23.11	22.92		
3	64QAM	1	14	22.99	23.07	22.89		
3	64QAM	8	0	22.05	22.13	22.03	22.7	3
3	64QAM	8	4	21.85	22.05	22.12		
3	64QAM	8	7	21.86	21.99	21.96		
3	64QAM	15	0	22.08	22.07	21.94		
3	256QAM	1	0	20.01	20.09	20.04	20.7	5
3	256QAM	1	8	19.98	20.00	20.10		
3	256QAM	1	14	19.96	20.10	19.95		
3	256QAM	8	0	20.08	20.05	19.95	20.7	5
3	256QAM	8	4	20.00	20.12	20.08		
3	256QAM	8	7	19.76	19.96	19.95		
3	256QAM	15	0	20.03	19.92	20.07		
Channel				23017	23095	23173	Tune-up limit	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	25.00	25.08	25.06	25.7	0
1.4	QPSK	1	3	24.93	24.97	25.06		
1.4	QPSK	1	5	24.95	24.97	24.93		
1.4	QPSK	3	0	24.95	25.00	24.96		
1.4	QPSK	3	1	24.82	24.84	25.00		
1.4	QPSK	3	3	24.82	24.90	24.89		
1.4	QPSK	6	0	24.01	24.05	23.95	24.7	1
1.4	16QAM	1	0	24.01	24.05	24.03	24.7	1
1.4	16QAM	1	3	23.87	24.08	24.04		
1.4	16QAM	1	5	23.94	24.02	24.03		
1.4	16QAM	3	0	23.98	23.99	23.85		
1.4	16QAM	3	1	23.99	23.92	23.97		
1.4	16QAM	3	3	23.76	24.06	23.92		
1.4	16QAM	6	0	23.01	23.10	23.10	23.7	2
1.4	64QAM	1	0	23.03	23.13	23.03	23.7	2
1.4	64QAM	1	3	22.93	23.12	23.03		
1.4	64QAM	1	5	22.92	23.07	22.94		
1.4	64QAM	3	0	22.95	22.99	23.07		
1.4	64QAM	3	1	22.91	23.01	23.00		
1.4	64QAM	3	3	22.81	22.99	22.90		
1.4	64QAM	6	0	22.06	22.16	21.93	22.7	3
1.4	256QAM	1	0	20.03	20.05	20.08	20.7	5
1.4	256QAM	1	3	19.91	20.01	20.10		
1.4	256QAM	1	5	19.86	20.02	19.96		
1.4	256QAM	3	0	20.10	20.05	19.99		
1.4	256QAM	3	1	20.08	20.10	20.00		
1.4	256QAM	3	3	19.77	19.98	19.94		
1.4	256QAM	6	0	19.99	19.93	20.01	20.7	5

Band 13 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					23230			
Frequency (MHz)					782			
10	QPSK	1	0		25.14		25.7	0
10	QPSK	1	25		25.07			
10	QPSK	1	49		25.04			
10	QPSK	25	0		24.16		24.7	1
10	QPSK	25	12		24.14			
10	QPSK	25	25		24.01			
10	QPSK	50	0		24.15			
10	16QAM	1	0		24.06		24.7	1
10	16QAM	1	25		24.13			
10	16QAM	1	49		24.07			
10	16QAM	25	0		23.17		23.7	2
10	16QAM	25	12		23.04			
10	16QAM	25	25		23.02			
10	16QAM	50	0		23.18			
10	64QAM	1	0		23.20		23.7	2
10	64QAM	1	25		23.13			
10	64QAM	1	49		23.02			
10	64QAM	25	0		22.20		22.7	3
10	64QAM	25	12		22.10			
10	64QAM	25	25		22.04			
10	64QAM	50	0		22.16			
10	256QAM	1	0		20.15		20.7	5
10	256QAM	1	25		20.08			
10	256QAM	1	49		20.16			
10	256QAM	25	0		20.16		20.7	5
10	256QAM	25	12		20.24			
10	256QAM	25	25		20.04			
10	256QAM	50	0		20.02			
Channel				23205	23230	23255	Tune-up limit	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	25.09	25.10	25.06	25.7	0
5	QPSK	1	12	24.97	24.98	24.99		
5	QPSK	1	24	24.96	25.02	24.94		
5	QPSK	12	0	24.13	24.12	24.14	24.7	1
5	QPSK	12	7	24.10	24.04	24.14		
5	QPSK	12	13	23.93	23.93	23.92		
5	QPSK	25	0	24.09	24.05	24.13		
5	16QAM	1	0	23.94	23.95	24.03	24.7	1
5	16QAM	1	12	24.04	24.12	24.07		
5	16QAM	1	24	24.03	23.95	24.00		
5	16QAM	12	0	23.14	23.16	23.17	23.7	2
5	16QAM	12	7	22.95	23.00	23.04		
5	16QAM	12	13	23.00	22.95	23.01		
5	16QAM	25	0	23.17	23.07	23.06		
5	64QAM	1	0	23.18	23.10	23.10	23.7	2
5	64QAM	1	12	23.04	23.11	23.12		
5	64QAM	1	24	22.97	22.91	22.93		
5	64QAM	12	0	22.18	22.14	22.10	22.7	3
5	64QAM	12	7	22.03	22.01	22.03		
5	64QAM	12	13	22.00	22.01	21.93		
5	64QAM	25	0	22.10	22.11	22.12		
5	256QAM	1	0	20.09	20.13	20.10	20.7	5
5	256QAM	1	12	20.06	20.00	20.04		
5	256QAM	1	24	20.08	20.05	20.10		
5	256QAM	12	0	20.11	20.16	20.11	20.7	5
5	256QAM	12	7	20.17	20.16	20.20		
5	256QAM	12	13	19.99	20.02	19.97		
5	256QAM	25	0	19.96	20.00	19.91		

Band 17 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	25.19	25.27	25.22	25.7	0
10	QPSK	1	25	25.07	25.15	25.20		
10	QPSK	1	49	25.14	25.13	25.12		
10	QPSK	25	0	24.24	24.28	24.22	24.7	1
10	QPSK	25	12	24.07	24.22	24.19		
10	QPSK	25	25	24.04	24.13	24.14		
10	QPSK	50	0	24.18	24.25	24.16		
10	16QAM	1	0	24.22	24.16	24.25	24.7	1
10	16QAM	1	25	24.00	24.18	24.14		
10	16QAM	1	49	24.06	24.09	24.13		
10	16QAM	25	0	23.15	23.28	23.28	23.7	2
10	16QAM	25	12	23.02	23.19	23.19		
10	16QAM	25	25	23.08	23.07	23.13		
10	16QAM	50	0	23.23	23.28	23.18		
10	64QAM	1	0	23.24	23.25	23.21	23.7	2
10	64QAM	1	25	23.08	23.19	23.13		
10	64QAM	1	49	23.16	23.19	23.08		
10	64QAM	25	0	22.23	22.21	22.21	22.7	3
10	64QAM	25	12	22.00	22.19	22.30		
10	64QAM	25	25	22.03	22.17	22.13		
10	64QAM	50	0	22.32	22.30	22.07		
10	256QAM	1	0	20.24	20.18	20.20	20.7	5
10	256QAM	1	25	20.12	20.17	20.28		
10	256QAM	1	49	20.09	20.20	20.07		
10	256QAM	25	0	20.16	20.26	20.18	20.7	5
10	256QAM	25	12	20.20	20.31	20.27		
10	256QAM	25	25	19.92	20.19	20.14		
10	256QAM	50	0	20.19	20.13	20.17		
Channel				23755	23790	23825	Tune-up limit	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	25.07	25.14	25.13	25.7	0
5	QPSK	1	12	25.05	25.07	25.07		
5	QPSK	1	24	25.11	25.08	25.03		
5	QPSK	12	0	24.14	24.17	24.08	24.7	1
5	QPSK	12	7	23.93	24.20	24.11		
5	QPSK	12	13	23.97	24.03	24.05		
5	QPSK	25	0	24.07	24.18	24.14		
5	16QAM	1	0	24.14	24.12	24.19	24.7	1
5	16QAM	1	12	23.95	24.14	24.00		
5	16QAM	1	24	23.94	24.00	24.06		
5	16QAM	12	0	23.03	23.23	23.25	23.7	2
5	16QAM	12	7	22.89	23.15	23.11		
5	16QAM	12	13	23.01	23.05	23.02		
5	16QAM	25	0	23.13	23.25	23.15		
5	64QAM	1	0	23.19	23.17	23.15	23.7	2
5	64QAM	1	12	22.98	23.14	23.07		
5	64QAM	1	24	23.08	23.07	22.94		
5	64QAM	12	0	22.13	22.11	22.16	22.7	3
5	64QAM	12	7	21.94	22.12	22.26		
5	64QAM	12	13	21.97	22.14	22.03		
5	64QAM	25	0	22.26	22.28	21.95		
5	256QAM	1	0	20.13	20.10	20.16	20.7	5
5	256QAM	1	12	20.08	20.10	20.20		
5	256QAM	1	24	20.00	20.10	19.96		
5	256QAM	12	0	20.10	20.21	20.07	20.7	5
5	256QAM	12	7	20.12	20.26	20.17		
5	256QAM	12	13	19.83	20.16	20.02		
5	256QAM	25	0	20.15	20.06	20.03		

Band 26 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	24.95	25.04	25.01	25.7	0
15	QPSK	1	37	24.82	24.94	24.97		
15	QPSK	1	74	24.89	24.90	24.89		
15	QPSK	36	0	24.07	24.12	23.96	24.7	1
15	QPSK	36	20	23.84	24.04	23.99		
15	QPSK	36	39	23.84	23.95	23.99		
15	QPSK	75	0	23.98	24.05	23.94		
15	16QAM	1	0	24.08	24.00	24.11	24.7	1
15	16QAM	1	37	23.74	24.03	23.95		
15	16QAM	1	74	23.87	23.85	23.91		
15	16QAM	36	0	22.93	23.10	23.12	23.7	2
15	16QAM	36	20	22.87	22.98	22.99		
15	16QAM	36	39	22.86	22.92	22.98		
15	16QAM	75	0	23.04	23.04	22.93		
15	64QAM	1	0	23.02	23.00	23.00	23.7	2
15	64QAM	1	37	22.87	23.00	22.91		
15	64QAM	1	74	22.92	22.96	22.91		
15	64QAM	36	0	22.05	21.99	22.03	22.7	3
15	64QAM	36	20	21.78	22.04	22.14		
15	64QAM	36	39	21.85	21.97	21.92		
15	64QAM	75	0	22.13	22.12	21.84		
15	256QAM	1	0	20.05	19.97	20.05	20.7	5
15	256QAM	1	37	19.91	19.97	20.05		
15	256QAM	1	74	19.92	19.96	19.89		
15	256QAM	36	0	19.92	20.12	20.00	20.7	5
15	256QAM	36	20	19.97	20.08	20.01		
15	256QAM	36	39	19.66	20.00	19.92		
15	256QAM	75	0	19.94	19.88	19.94		
Channel				26740	26865	26990	Tune-up limit	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	24.83	24.92	24.97	25.7	0
10	QPSK	1	25	24.72	24.90	24.86		
10	QPSK	1	49	24.80	24.85	24.82		
10	QPSK	25	0	24.05	24.10	23.87	24.7	1
10	QPSK	25	12	23.81	23.96	23.95		
10	QPSK	25	25	23.76	23.89	23.96		
10	QPSK	50	0	23.93	24.00	23.94		
10	16QAM	1	0	24.01	23.92	24.10	24.7	1
10	16QAM	1	25	23.64	23.94	23.87		
10	16QAM	1	49	23.84	23.83	23.91		
10	16QAM	25	0	22.89	22.99	23.09	23.7	2
10	16QAM	25	12	22.81	22.87	22.97		
10	16QAM	25	25	22.77	22.89	22.86		
10	16QAM	50	0	22.98	23.01	22.88		
10	64QAM	1	0	22.96	22.89	23.00	23.7	2
10	64QAM	1	25	22.78	22.93	22.80		
10	64QAM	1	49	22.86	22.87	22.90		
10	64QAM	25	0	21.94	21.88	21.95	22.7	3
10	64QAM	25	12	21.70	21.99	22.04		
10	64QAM	25	25	21.76	21.96	21.81		
10	64QAM	50	0	22.12	22.11	21.73		
10	256QAM	1	0	19.95	19.90	20.00	20.7	5
10	256QAM	1	25	19.89	19.97	20.02		
10	256QAM	1	49	19.85	19.88	19.79		
10	256QAM	25	0	19.80	20.00	19.97	20.7	5
10	256QAM	25	12	19.92	20.04	19.98		
10	256QAM	25	25	19.60	19.92	19.85		
10	256QAM	50	0	19.83	19.85	19.82		
Channel				26715	26865	27015	Tune-up limit	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	24.91	24.93	24.97	25.7	0
5	QPSK	1	12	24.80	24.89	24.87		
5	QPSK	1	24	24.77	24.81	24.78		
5	QPSK	12	0	24.03	24.12	23.93	24.7	1
5	QPSK	12	7	23.84	24.02	23.87		
5	QPSK	12	13	23.83	23.95	23.88		
5	QPSK	25	0	23.91	24.04	23.94		
5	16QAM	1	0	24.01	23.95	24.02	24.7	1
5	16QAM	1	12	23.73	23.92	23.87		
5	16QAM	1	24	23.82	23.79	23.86		
5	16QAM	12	0	22.91	23.00	23.07	23.7	2
5	16QAM	12	7	22.83	22.92	22.97		
5	16QAM	12	13	22.85	22.87	22.88		
5	16QAM	25	0	23.00	22.96	22.90		
5	64QAM	1	0	22.98	22.88	22.98	23.7	2
5	64QAM	1	12	22.85	22.93	22.88		
5	64QAM	1	24	22.84	22.95	22.87		
5	64QAM	12	0	22.03	21.87	21.92	22.7	3
5	64QAM	12	7	21.72	21.92	22.02		
5	64QAM	12	13	21.73	21.92	21.80		
5	64QAM	25	0	22.05	22.01	21.74		
5	256QAM	1	0	19.94	19.92	20.05	20.7	5
5	256QAM	1	12	19.88	19.92	20.04		
5	256QAM	1	24	19.80	19.87	19.86		
5	256QAM	12	0	19.85	20.07	19.98	20.7	5
5	256QAM	12	7	19.88	19.97	19.91		
5	256QAM	12	13	19.62	19.91	19.92		
5	256QAM	25	0	19.90	19.85	19.89		
Channel				26705	26865	27025	Tune-up limit	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	24.84	24.99	24.89	25.7	0
3	QPSK	1	8	24.75	24.90	24.95		
3	QPSK	1	14	24.85	24.86	24.79		
3	QPSK	8	0	24.03	24.11	23.87	24.7	1
3	QPSK	8	4	23.76	23.98	23.97		
3	QPSK	8	7	23.72	23.94	23.91		
3	QPSK	15	0	23.93	23.99	23.91		
3	16QAM	1	0	23.98	23.90	24.06	24.7	1
3	16QAM	1	8	23.68	23.97	23.89		
3	16QAM	1	14	23.83	23.81	23.88		
3	16QAM	8	0	22.83	23.10	23.04	23.7	2
3	16QAM	8	4	22.84	22.95	22.98		
3	16QAM	8	7	22.80	22.81	22.97		
3	16QAM	15	0	23.03	22.93	22.82		
3	64QAM	1	0	22.96	22.90	22.91	23.7	2
3	64QAM	1	8	22.84	22.90	22.86		
3	64QAM	1	14	22.81	22.96	22.80		
3	64QAM	8	0	22.00	21.92	21.95	22.7	3
3	64QAM	8	4	21.66	21.99	22.05		
3	64QAM	8	7	21.74	21.86	21.83		
3	64QAM	15	0	22.08	22.02	21.72		
3	256QAM	1	0	19.97	19.91	20.02	20.7	5
3	256QAM	1	8	19.85	19.88	19.98		
3	256QAM	1	14	19.89	19.85	19.77		
3	256QAM	8	0	19.83	20.03	19.95	20.7	5
3	256QAM	8	4	19.96	19.99	19.96		
3	256QAM	8	7	19.62	19.88	19.87		
3	256QAM	15	0	19.84	19.86	19.84		
Channel				26697	26865	27033	Tune-up limit	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	24.87	25.02	25.00	25.7	0
1.4	QPSK	1	3	24.72	24.88	24.89		
1.4	QPSK	1	5	24.84	24.84	24.81		
1.4	QPSK	3	0	24.83	24.99	24.94		
1.4	QPSK	3	1	24.64	24.87	24.79		
1.4	QPSK	3	3	24.77	24.73	24.73		
1.4	QPSK	6	0	23.94	24.04	23.88	24.7	1
1.4	16QAM	1	0	24.04	23.95	23.99	24.7	1
1.4	16QAM	1	3	23.66	24.00	23.89		
1.4	16QAM	1	5	23.85	23.76	23.82		
1.4	16QAM	3	0	23.90	23.97	23.78		
1.4	16QAM	3	1	23.93	23.88	23.96		
1.4	16QAM	3	3	23.63	23.92	23.80		
1.4	16QAM	6	0	22.99	22.99	22.90	23.7	2
1.4	64QAM	1	0	22.97	22.96	22.93	23.7	2
1.4	64QAM	1	3	22.83	22.97	22.81		
1.4	64QAM	1	5	22.90	22.89	22.89		
1.4	64QAM	3	0	22.88	22.93	22.87		
1.4	64QAM	3	1	22.96	22.85	22.91		
1.4	64QAM	3	3	22.76	22.96	22.76		
1.4	64QAM	6	0	22.09	22.01	21.80	22.7	3
1.4	256QAM	1	0	20.02	19.89	20.01	20.7	5
1.4	256QAM	1	3	19.86	19.94	20.03		
1.4	256QAM	1	5	19.90	19.85	19.79		
1.4	256QAM	3	0	19.89	20.08	19.92		
1.4	256QAM	3	1	19.86	20.05	19.94		
1.4	256QAM	3	3	19.58	19.89	19.84		
1.4	256QAM	6	0	19.88	19.80	19.94	20.7	5

Band 71 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				133222	133322	133372		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	25.13	25.14	25.08	25.7	0
20	QPSK	1	49	25.06	25.11	25.00		
20	QPSK	1	99	25.12	25.07	24.98		
20	QPSK	50	0	24.17	24.19	24.11	24.7	1
20	QPSK	50	24	24.01	24.16	24.02		
20	QPSK	50	50	24.12	24.11	24.02		
20	QPSK	100	0	24.12	24.16	24.10		
20	16QAM	1	0	24.07	24.13	24.14	24.7	1
20	16QAM	1	49	24.07	24.14	23.99		
20	16QAM	1	99	24.08	24.12	23.97		
20	16QAM	50	0	23.19	23.13	23.06	23.7	2
20	16QAM	50	24	23.06	23.13	23.00		
20	16QAM	50	50	23.16	23.15	22.98		
20	16QAM	100	0	23.11	23.17	23.15		
20	64QAM	1	0	23.09	23.12	23.18	23.7	2
20	64QAM	1	49	23.12	23.14	23.02		
20	64QAM	1	99	23.06	23.13	22.99		
20	64QAM	50	0	22.20	22.18	22.08	22.7	3
20	64QAM	50	24	22.00	22.10	22.01		
20	64QAM	50	50	22.08	22.16	22.06		
20	64QAM	100	0	22.17	22.13	22.07		
20	256QAM	1	0	20.13	20.24	20.13	20.7	5
20	256QAM	1	49	20.07	20.17	20.07		
20	256QAM	1	99	20.13	20.12	20.01		
20	256QAM	50	0	20.12	20.12	20.13	20.7	5
20	256QAM	50	24	20.06	20.10	20.17		
20	256QAM	50	50	20.10	20.15	19.96		
20	256QAM	100	0	20.04	20.08	19.99		
Channel				133197	133297	133397	Tune-up limit	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	25.01	25.04	24.97	25.7	0
15	QPSK	1	37	24.96	25.01	24.91		
15	QPSK	1	74	25.03	25.04	24.94		
15	QPSK	36	0	24.07	24.13	24.03	24.7	1
15	QPSK	36	20	23.93	24.11	23.97		
15	QPSK	36	39	24.05	23.98	23.95		
15	QPSK	75	0	24.00	24.09	24.07		
15	16QAM	1	0	24.00	24.02	24.00	24.7	1
15	16QAM	1	37	23.95	24.08	23.88		
15	16QAM	1	74	23.97	24.07	23.84		
15	16QAM	36	0	23.12	23.07	23.04	23.7	2
15	16QAM	36	20	23.01	23.03	22.87		
15	16QAM	36	39	23.12	23.05	22.94		
15	16QAM	75	0	23.04	23.10	23.05		
15	64QAM	1	0	23.03	23.08	23.14	23.7	2
15	64QAM	1	37	22.99	23.10	22.93		
15	64QAM	1	74	22.95	23.00	22.89		
15	64QAM	36	0	22.16	22.06	22.05	22.7	3
15	64QAM	36	20	21.88	21.96	21.95		
15	64QAM	36	39	22.05	22.13	21.92		
15	64QAM	75	0	22.11	22.08	21.99		
15	256QAM	1	0	20.09	20.14	20.11	20.7	5
15	256QAM	1	37	19.96	20.14	20.00		
15	256QAM	1	74	19.99	20.05	19.90		
15	256QAM	36	0	20.01	20.02	20.05	20.7	5
15	256QAM	36	20	20.01	19.97	20.09		
15	256QAM	36	39	20.06	20.10	19.83		
15	256QAM	75	0	19.94	20.04	19.93		
Channel				133172	133272	133422	Tune-up limit	MPR (dB)
Frequency (MHz)				668	678	693		
10	QPSK	1	0	25.04	25.04	24.95	25.7	0
10	QPSK	1	25	25.00	25.01	24.94		
10	QPSK	1	49	25.09	24.99	24.84		
10	QPSK	25	0	24.12	24.15	24.07	24.7	1
10	QPSK	25	12	23.98	24.04	23.98		
10	QPSK	25	25	24.00	23.99	23.94		
10	QPSK	50	0	24.03	24.05	24.04		
10	16QAM	1	0	24.01	24.02	24.01	24.7	1
10	16QAM	1	25	23.95	24.02	23.88		
10	16QAM	1	49	23.96	24.06	23.83		
10	16QAM	25	0	23.15	22.99	22.96	23.7	2
10	16QAM	25	12	22.93	23.03	22.89		
10	16QAM	25	25	23.03	23.03	22.87		
10	16QAM	50	0	23.00	23.10	23.12		
10	64QAM	1	0	22.99	22.99	23.08	23.7	2
10	64QAM	1	25	23.00	23.10	22.95		
10	64QAM	1	49	22.99	22.99	22.88		
10	64QAM	25	0	22.14	22.08	21.99	22.7	3
10	64QAM	25	12	21.95	21.98	21.90		
10	64QAM	25	25	21.99	22.03	22.02		
10	64QAM	50	0	22.06	22.04	21.96		
10	256QAM	1	0	20.06	20.15	20.01	20.7	5
10	256QAM	1	25	20.02	20.12	20.03		
10	256QAM	1	49	20.03	20.00	19.91		
10	256QAM	25	0	20.05	20.07	20.05	20.7	5
10	256QAM	25	12	20.00	20.06	20.06		
10	256QAM	25	25	20.00	20.04	19.91		
10	256QAM	50	0	19.95	20.01	19.91		
Channel				133147	133247	133447	Tune-up limit	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	25.08	25.03	25.01	25.7	0
5	QPSK	1	12	24.96	25.04	24.96		
5	QPSK	1	24	25.00	24.96	24.85		
5	QPSK	12	0	24.14	24.13	23.97	24.7	1
5	QPSK	12	7	23.92	24.06	23.88		
5	QPSK	12	13	24.04	24.09	23.99		
5	QPSK	25	0	24.08	24.05	24.03		
5	16QAM	1	0	24.00	24.01	24.11	24.7	1
5	16QAM	1	12	23.97	24.05	23.88		
5	16QAM	1	24	23.99	24.00	23.92		
5	16QAM	12	0	23.11	23.06	23.01	23.7	2
5	16QAM	12	7	23.02	23.09	22.98		
5	16QAM	12	13	23.12	23.05	22.94		
5	16QAM	25	0	23.04	23.14	23.05		
5	64QAM	1	0	23.03	23.10	23.15	23.7	2
5	64QAM	1	12	23.03	23.07	22.91		
5	64QAM	1	24	23.01	23.11	22.91		
5	64QAM	12	0	22.07	22.14	22.02	22.7	3
5	64QAM	12	7	21.96	22.02	21.93		
5	64QAM	12	13	21.96	22.09	21.95		
5	64QAM	25	0	22.12	22.04	22.01		
5	256QAM	1	0	19.99	20.15	20.06	20.7	5
5	256QAM	1	12	19.94	20.08	20.04		
5	256QAM	1	24	20.09	20.03	19.96		
5	256QAM	12	0	20.07	20.04	20.05	20.7	5
5	256QAM	12	7	19.93	20.07	20.14		
5	256QAM	12	13	19.99	20.03	19.92		
5	256QAM	25	0	19.98	20.06	19.94		

GSM850 Ant1 DSI5

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	30.54	30.71	30.67	32.10	21.54	21.71	21.67	23.10
GPRS 1 Tx slot	30.60	30.69	30.70	32.10	21.60	21.69	21.70	23.10
GPRS 2 Tx slots	27.83	27.87	27.76	29.10	21.83	21.87	21.76	23.10
GPRS 3 Tx slots	25.75	25.96	26.00	27.30	21.49	21.70	21.74	23.04
GPRS 4 Tx slots	24.48	24.59	24.53	26.10	21.48	21.59	21.53	23.10
EDGE 1 Tx slot	27.12	27.23	27.16	28.90	18.12	18.23	18.16	19.90
EDGE 2 Tx slots	23.79	24.01	23.70	25.50	17.79	18.01	17.70	19.50
EDGE 3 Tx slots	21.91	22.11	21.88	23.50	17.65	17.85	17.62	19.24
EDGE 4 Tx slots	19.91	20.12	20.19	21.50	16.91	17.12	17.19	18.50

WCDMA V Ant1 DSI5

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.38	20.48	20.37	21.50
3GPP Rel 99	RMC 12.2Kbps	20.48	20.51	20.45	21.50
3GPP Rel 6	HSDPA Subtest-1	19.48	19.53	19.47	20.50
3GPP Rel 6	HSDPA Subtest-2	19.53	19.50	19.44	20.50
3GPP Rel 6	HSDPA Subtest-3	19.02	19.06	18.94	20.00
3GPP Rel 6	HSDPA Subtest-4	18.94	18.98	18.93	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.42	19.51	19.42	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.53	19.49	19.48	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.01	19.06	18.96	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.01	19.04	18.96	20.00
3GPP Rel 6	HSUPA Subtest-1	19.45	19.48	19.42	20.50
3GPP Rel 6	HSUPA Subtest-2	17.48	17.54	17.41	18.50
3GPP Rel 6	HSUPA Subtest-3	18.52	18.49	18.42	19.50
3GPP Rel 6	HSUPA Subtest-4	17.50	17.46	17.41	18.50
3GPP Rel 6	HSUPA Subtest-5	19.45	19.49	19.43	20.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.93	17.07	16.90	18.00

Band 5 Ant1 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	21.08	21.11	21.06	21.7	0
10	QPSK	1	25	21.04	21.04	20.97		
10	QPSK	1	49	20.99	21.00	21.00		
10	QPSK	25	0	20.97	21.08	21.00	21.7	0
10	QPSK	25	12	21.04	21.01	21.02		
10	QPSK	25	25	20.95	20.98	20.95		
10	QPSK	50	0	21.06	21.07	20.99		
10	16QAM	1	0	20.95	21.00	20.96	21.7	0
10	16QAM	1	25	20.95	20.91	20.89		
10	16QAM	1	49	20.89	20.89	20.95		
10	16QAM	25	0	20.94	20.95	20.92	21.7	0
10	16QAM	25	12	21.00	20.96	20.91		
10	16QAM	25	25	20.84	20.91	20.91		
10	16QAM	50	0	20.98	20.97	20.96		
10	64QAM	1	0	21.00	20.99	21.01	21.7	0
10	64QAM	1	25	20.91	20.95	20.86		
10	64QAM	1	49	20.94	20.93	20.89		
10	64QAM	25	0	20.92	20.94	20.94	21.7	0
10	64QAM	25	12	21.02	20.91	20.88		
10	64QAM	25	25	20.82	20.92	20.91		
10	64QAM	50	0	20.99	20.97	20.93		
10	256QAM	1	0	20.07	20.16	20.03	20.7	1
10	256QAM	1	25	20.08	20.05	20.01		
10	256QAM	1	49	19.97	19.94	19.96		
10	256QAM	25	0	20.00	20.10	19.96	20.7	1
10	256QAM	25	12	20.01	20.01	19.98		
10	256QAM	25	25	19.91	19.99	19.92		
10	256QAM	50	0	20.04	20.09	19.96		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	20.98	20.98	21.01	21.7	0
5	QPSK	1	12	20.92	20.90	20.89		
5	QPSK	1	24	20.94	20.95	20.89		
5	QPSK	12	0	20.93	20.98	20.94	21.7	0
5	QPSK	12	7	21.01	20.92	20.99		
5	QPSK	12	13	20.92	20.95	20.92		
5	QPSK	25	0	21.02	20.94	20.94		
5	16QAM	1	0	20.89	20.88	20.87	21.7	0
5	16QAM	1	12	20.87	20.88	20.76		
5	16QAM	1	24	20.84	20.84	20.92		
5	16QAM	12	0	20.87	20.84	20.85	21.7	0
5	16QAM	12	7	20.94	20.86	20.86		
5	16QAM	12	13	20.81	20.80	20.87		
5	16QAM	25	0	20.96	20.89	20.90		
5	64QAM	1	0	20.94	20.91	20.99	21.7	0
5	64QAM	1	12	20.80	20.93	20.80		
5	64QAM	1	24	20.89	20.89	20.83		
5	64QAM	12	0	20.87	20.86	20.91	21.7	0
5	64QAM	12	7	20.97	20.87	20.84		
5	64QAM	12	13	20.78	20.84	20.85		
5	64QAM	25	0	20.91	20.86	20.83		
5	256QAM	1	0	20.02	20.11	19.95	20.7	1
5	256QAM	1	12	19.94	19.95	19.97		
5	256QAM	1	24	19.94	19.87	19.85		
5	256QAM	12	0	19.88	20.07	19.93	20.7	1
5	256QAM	12	7	19.95	19.97	19.95		
5	256QAM	12	13	19.87	19.92	19.87		
5	256QAM	25	0	19.96	20.06	19.93		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.00	21.06	21.04	21.7	0
3	QPSK	1	8	21.01	20.92	20.88		
3	QPSK	1	14	20.89	20.97	20.87		
3	QPSK	8	0	20.88	20.99	20.88	21.7	0
3	QPSK	8	4	20.91	20.93	20.89		
3	QPSK	8	7	20.87	20.92	20.85		
3	QPSK	15	0	21.03	20.96	20.94		
3	16QAM	1	0	20.84	20.94	20.89	21.7	0
3	16QAM	1	8	20.91	20.84	20.80		
3	16QAM	1	14	20.79	20.75	20.87		
3	16QAM	8	0	20.90	20.82	20.85	21.7	0
3	16QAM	8	4	20.97	20.87	20.84		
3	16QAM	8	7	20.77	20.88	20.87		
3	16QAM	15	0	20.95	20.87	20.86		
3	64QAM	1	0	20.89	20.88	20.94	21.7	0
3	64QAM	1	8	20.87	20.90	20.79		
3	64QAM	1	14	20.86	20.80	20.82		
3	64QAM	8	0	20.87	20.81	20.84	21.7	0
3	64QAM	8	4	20.88	20.86	20.75		
3	64QAM	8	7	20.72	20.82	20.83		
3	64QAM	15	0	20.97	20.95	20.88		
3	256QAM	1	0	20.02	20.03	19.98	20.7	1
3	256QAM	1	8	20.03	20.00	19.87		
3	256QAM	1	14	19.94	19.84	19.92		
3	256QAM	8	0	19.90	20.05	19.92	20.7	1
3	256QAM	8	4	19.89	19.90	19.91		
3	256QAM	8	7	19.83	19.86	19.83		
3	256QAM	15	0	19.93	20.06	19.91		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.05	21.01	20.96	21.7	0
1.4	QPSK	1	3	21.01	20.92	20.93		
1.4	QPSK	1	5	20.90	20.94	20.87		
1.4	QPSK	3	0	20.89	21.06	20.91		
1.4	QPSK	3	1	21.02	20.97	20.92		
1.4	QPSK	3	3	20.87	20.87	20.82		
1.4	QPSK	6	0	20.96	20.97	20.86	21.7	0
1.4	16QAM	1	0	20.86	20.93	20.94	21.7	0
1.4	16QAM	1	3	20.87	20.82	20.79		
1.4	16QAM	1	5	20.75	20.82	20.88		
1.4	16QAM	3	0	20.83	20.90	20.79		
1.4	16QAM	3	1	20.89	20.83	20.87		
1.4	16QAM	3	3	20.76	20.79	20.81		
1.4	16QAM	6	0	20.96	20.94	20.93	21.7	0
1.4	64QAM	1	0	20.94	20.93	20.95	21.7	0
1.4	64QAM	1	3	20.78	20.91	20.83		
1.4	64QAM	1	5	20.88	20.91	20.83		
1.4	64QAM	3	0	20.88	20.92	20.84		
1.4	64QAM	3	1	20.92	20.88	20.82		
1.4	64QAM	3	3	20.70	20.84	20.88		
1.4	64QAM	6	0	20.89	20.87	20.80	21.7	0
1.4	256QAM	1	0	19.97	20.09	19.97	20.7	1
1.4	256QAM	1	3	20.04	20.03	19.90		
1.4	256QAM	1	5	19.86	19.88	19.85		
1.4	256QAM	3	0	19.89	20.04	19.87		
1.4	256QAM	3	1	19.95	19.93	19.86		
1.4	256QAM	3	3	19.86	19.87	19.80		
1.4	256QAM	6	0	19.98	19.98	19.85	20.7	1

Band 12 Ant1 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	24.28	24.32	24.26	24.7	0
10	QPSK	1	25	24.20	24.27	24.14		
10	QPSK	1	49	24.22	24.26	24.18		
10	QPSK	25	0	24.25	24.30	24.14	24.7	0
10	QPSK	25	12	24.20	24.19	24.21		
10	QPSK	25	25	24.17	24.25	24.17		
10	QPSK	50	0	24.15	24.28	24.23		
10	16QAM	1	0	24.18	24.26	24.21	24.7	0
10	16QAM	1	25	24.08	24.13	24.04		
10	16QAM	1	49	24.20	24.22	24.15		
10	16QAM	25	0	23.31	23.37	23.27	23.7	1
10	16QAM	25	12	23.19	23.28	23.11		
10	16QAM	25	25	23.21	23.21	23.16		
10	16QAM	50	0	23.29	23.31	23.17		
10	64QAM	1	0	23.23	23.21	23.23	23.7	1
10	64QAM	1	25	23.20	23.22	23.23		
10	64QAM	1	49	23.17	23.34	23.26		
10	64QAM	25	0	22.26	22.37	22.29	22.7	2
10	64QAM	25	12	22.17	22.27	22.20		
10	64QAM	25	25	22.26	22.28	22.15		
10	64QAM	50	0	22.23	22.34	22.19		
10	256QAM	1	0	20.26	20.38	20.20	20.7	4
10	256QAM	1	25	20.25	20.29	20.19		
10	256QAM	1	49	20.23	20.23	20.16		
10	256QAM	25	0	20.24	20.26	20.16	20.7	4
10	256QAM	25	12	20.22	20.20	20.22		
10	256QAM	25	25	20.13	20.21	20.20		
10	256QAM	50	0	20.20	20.34	20.25		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	24.19	24.26	24.17	24.7	0
5	QPSK	1	12	24.12	24.16	24.10		
5	QPSK	1	24	24.18	24.24	24.06		
5	QPSK	12	0	24.16	24.22	24.02	24.7	0
5	QPSK	12	7	24.13	24.15	24.14		
5	QPSK	12	13	24.10	24.20	24.06		
5	QPSK	25	0	24.04	24.16	24.12		
5	16QAM	1	0	24.05	24.13	24.13	24.7	0
5	16QAM	1	12	23.98	24.07	23.92		
5	16QAM	1	24	24.10	24.19	24.07		
5	16QAM	12	0	23.25	23.33	23.22	23.7	1
5	16QAM	12	7	23.06	23.23	23.08		
5	16QAM	12	13	23.19	23.17	23.13		
5	16QAM	25	0	23.22	23.25	23.11		
5	64QAM	1	0	23.18	23.08	23.10	23.7	1
5	64QAM	1	12	23.13	23.13	23.20		
5	64QAM	1	24	23.04	23.20	23.12		
5	64QAM	12	0	22.15	22.31	22.27	22.7	2
5	64QAM	12	7	22.11	22.15	22.18		
5	64QAM	12	13	22.19	22.25	22.09		
5	64QAM	25	0	22.18	22.23	22.15		
5	256QAM	1	0	20.16	20.27	20.09	20.7	4
5	256QAM	1	12	20.17	20.22	20.06		
5	256QAM	1	24	20.15	20.18	20.14		
5	256QAM	12	0	20.14	20.19	20.04	20.7	4
5	256QAM	12	7	20.18	20.16	20.20		
5	256QAM	12	13	20.11	20.18	20.07		
5	256QAM	25	0	20.07	20.31	20.20		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	24.22	24.22	24.22	24.7	0
3	QPSK	1	8	24.14	24.24	24.03		
3	QPSK	1	14	24.08	24.17	24.11		
3	QPSK	8	0	24.19	24.26	24.01	24.7	0
3	QPSK	8	4	24.08	24.07	24.13		
3	QPSK	8	7	24.08	24.13	24.06		
3	QPSK	15	0	24.11	24.18	24.19		
3	16QAM	1	0	24.09	24.18	24.10	24.7	0
3	16QAM	1	8	23.98	24.01	23.92		
3	16QAM	1	14	24.11	24.18	24.04		
3	16QAM	8	0	23.18	23.27	23.23	23.7	1
3	16QAM	8	4	23.11	23.25	23.00		
3	16QAM	8	7	23.10	23.15	23.12		
3	16QAM	15	0	23.19	23.23	23.07		
3	64QAM	1	0	23.20	23.07	23.16	23.7	1
3	64QAM	1	8	23.11	23.11	23.18		
3	64QAM	1	14	23.09	23.26	23.13		
3	64QAM	8	0	22.17	22.25	22.15	22.7	2
3	64QAM	8	4	22.11	22.20	22.14		
3	64QAM	8	7	22.16	22.23	22.12		
3	64QAM	15	0	22.20	22.21	22.15		
3	256QAM	1	0	20.24	20.25	20.07	20.7	4
3	256QAM	1	8	20.12	20.24	20.06		
3	256QAM	1	14	20.17	20.14	20.14		
3	256QAM	8	0	20.18	20.16	20.10	20.7	4
3	256QAM	8	4	20.11	20.12	20.12		
3	256QAM	8	7	20.08	20.17	20.12		
3	256QAM	15	0	20.17	20.28	20.21		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	24.21	24.24	24.19	24.7	0
1.4	QPSK	1	3	24.08	24.21	24.00		
1.4	QPSK	1	5	24.13	24.16	24.13		
1.4	QPSK	3	0	24.20	24.19	24.07		
1.4	QPSK	3	1	24.17	24.09	24.17		
1.4	QPSK	3	3	24.11	24.23	24.12		
1.4	QPSK	6	0	24.05	24.18	24.09	24.7	0
1.4	16QAM	1	0	24.15	24.16	24.12	24.7	0
1.4	16QAM	1	3	24.01	24.00	23.96		
1.4	16QAM	1	5	24.06	24.09	24.08		
1.4	16QAM	3	0	24.13	24.08	24.06		
1.4	16QAM	3	1	23.89	23.90	23.85		
1.4	16QAM	3	3	24.01	23.99	24.03		
1.4	16QAM	6	0	23.21	23.29	23.14	23.7	1
1.4	64QAM	1	0	23.10	23.08	23.21	23.7	1
1.4	64QAM	1	3	23.08	23.16	23.21		
1.4	64QAM	1	5	23.13	23.32	23.13		
1.4	64QAM	3	0	23.16	23.18	23.10		
1.4	64QAM	3	1	23.02	22.98	23.18		
1.4	64QAM	3	3	22.99	23.06	23.17		
1.4	64QAM	6	0	22.10	22.27	22.05	22.7	2
1.4	256QAM	1	0	20.13	20.34	20.12	20.7	4
1.4	256QAM	1	3	20.22	20.21	20.07		
1.4	256QAM	1	5	20.18	20.09	20.09		
1.4	256QAM	3	0	20.15	20.14	20.13		
1.4	256QAM	3	1	20.13	20.17	20.09		
1.4	256QAM	3	3	20.07	20.17	20.14		
1.4	256QAM	6	0	20.12	20.25	20.18	20.7	4

Band 13 Ant1 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					23230			
Frequency (MHz)					782			
10	QPSK	1	0		22.01		22.2	0
10	QPSK	1	25		21.98			
10	QPSK	1	49		21.95			
10	QPSK	25	0		21.97		22.2	0
10	QPSK	25	12		21.87			
10	QPSK	25	25		21.90			
10	QPSK	50	0		21.94			
10	16QAM	1	0		21.90		22.2	0
10	16QAM	1	25		21.96			
10	16QAM	1	49		21.91			
10	16QAM	25	0		21.90		22.2	0
10	16QAM	25	12		21.80			
10	16QAM	25	25		21.82			
10	16QAM	50	0		21.87			
10	64QAM	1	0		21.87		22.2	0
10	64QAM	1	25		21.93			
10	64QAM	1	49		21.91			
10	64QAM	25	0		21.93		22.2	0
10	64QAM	25	12		21.77			
10	64QAM	25	25		21.85			
10	64QAM	50	0		21.85			
10	256QAM	1	0		20.46		20.7	1.5
10	256QAM	1	25		20.51			
10	256QAM	1	49		20.41			
10	256QAM	25	0		20.50		20.7	1.5
10	256QAM	25	12		20.34			
10	256QAM	25	25		20.40			
10	256QAM	50	0		20.47			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	21.96	21.98	21.92	22.2	0
5	QPSK	1	12	21.91	21.87	21.90		
5	QPSK	1	24	21.81	21.85	21.87		
5	QPSK	12	0	21.88	21.94	21.94	22.2	0
5	QPSK	12	7	21.81	21.84	21.75		
5	QPSK	12	13	21.81	21.83	21.79		
5	QPSK	25	0	21.87	21.90	21.81		
5	16QAM	1	0	21.76	21.79	21.77	22.2	0
5	16QAM	1	12	21.86	21.83	21.86		
5	16QAM	1	24	21.89	21.83	21.86		
5	16QAM	12	0	21.80	21.79	21.78	22.2	0
5	16QAM	12	7	21.67	21.78	21.67		
5	16QAM	12	13	21.80	21.70	21.76		
5	16QAM	25	0	21.76	21.81	21.79		
5	64QAM	1	0	21.79	21.80	21.75	22.2	0
5	64QAM	1	12	21.87	21.83	21.91		
5	64QAM	1	24	21.86	21.80	21.78		
5	64QAM	12	0	21.85	21.90	21.82	22.2	0
5	64QAM	12	7	21.69	21.68	21.72		
5	64QAM	12	13	21.83	21.71	21.76		
5	64QAM	25	0	21.75	21.79	21.72		
5	256QAM	1	0	20.43	20.38	20.41	20.7	1.5
5	256QAM	1	12	20.39	20.39	20.41		
5	256QAM	1	24	20.34	20.36	20.34		
5	256QAM	12	0	20.42	20.39	20.44	20.7	1.5
5	256QAM	12	7	20.28	20.30	20.21		
5	256QAM	12	13	20.30	20.38	20.29		
5	256QAM	25	0	20.41	20.40	20.43		

Band 17 Ant1 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	24.13	24.20	24.17	24.7	0
10	QPSK	1	25	24.07	24.13	23.99		
10	QPSK	1	49	24.09	24.15	24.13		
10	QPSK	25	0	24.15	24.18	24.09	24.7	0
10	QPSK	25	12	24.14	24.12	24.13		
10	QPSK	25	25	24.04	24.13	24.05		
10	QPSK	50	0	24.08	24.15	24.09		
10	16QAM	1	0	24.05	24.11	24.16	24.7	0
10	16QAM	1	25	23.96	24.09	23.88		
10	16QAM	1	49	24.08	24.14	24.10		
10	16QAM	25	0	23.16	23.29	23.15	23.7	1
10	16QAM	25	12	23.08	23.16	23.07		
10	16QAM	25	25	23.09	23.15	23.03		
10	16QAM	50	0	23.24	23.20	23.08		
10	64QAM	1	0	23.09	23.08	23.11	23.7	1
10	64QAM	1	25	23.08	23.16	23.10		
10	64QAM	1	49	23.06	23.28	23.15		
10	64QAM	25	0	22.16	22.22	22.17	22.7	2
10	64QAM	25	12	22.02	22.17	22.09		
10	64QAM	25	25	22.20	22.14	22.00		
10	64QAM	50	0	22.14	22.21	22.10		
10	256QAM	1	0	20.12	20.26	20.04	20.7	4
10	256QAM	1	25	20.18	20.16	20.07		
10	256QAM	1	49	20.13	20.17	20.08		
10	256QAM	25	0	20.09	20.14	20.08	20.7	4
10	256QAM	25	12	20.16	20.11	20.11		
10	256QAM	25	25	20.08	20.09	20.08		
10	256QAM	50	0	20.15	20.24	20.14		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	24.05	24.07	24.11	24.7	0
5	QPSK	1	12	23.93	23.97	23.87		
5	QPSK	1	24	23.97	24.07	24.04		
5	QPSK	12	0	24.11	24.13	23.98	24.7	0
5	QPSK	12	7	23.99	24.03	24.05		
5	QPSK	12	13	23.89	23.97	23.95		
5	QPSK	25	0	23.97	24.07	23.96		
5	16QAM	1	0	24.00	24.03	24.06	24.7	0
5	16QAM	1	12	23.83	23.97	23.73		
5	16QAM	1	24	23.94	24.08	23.95		
5	16QAM	12	0	23.12	23.14	23.09	23.7	1
5	16QAM	12	7	23.00	23.01	23.02		
5	16QAM	12	13	22.96	23.04	22.97		
5	16QAM	25	0	23.14	23.13	23.03		
5	64QAM	1	0	22.98	22.98	22.96	23.7	1
5	64QAM	1	12	22.93	23.09	22.98		
5	64QAM	1	24	22.98	23.17	23.01		
5	64QAM	12	0	22.10	22.08	22.01	22.7	2
5	64QAM	12	7	21.97	22.02	22.02		
5	64QAM	12	13	22.16	22.06	21.88		
5	64QAM	25	0	21.99	22.06	22.02		
5	256QAM	1	0	20.08	20.14	19.89	20.7	4
5	256QAM	1	12	20.08	20.11	19.95		
5	256QAM	1	24	20.07	20.10	19.95		
5	256QAM	12	0	20.00	20.05	20.03	20.7	4
5	256QAM	12	7	20.08	20.07	19.98		
5	256QAM	12	13	19.93	20.03	19.93		
5	256QAM	25	0	20.01	20.19	20.00		

Band 26 Ant1 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	21.14	21.15	21.08	21.7	0
15	QPSK	1	37	21.06	21.12	20.98		
15	QPSK	1	74	21.06	21.03	21.08		
15	QPSK	36	0	21.05	21.14	21.00	21.7	0
15	QPSK	36	20	21.03	21.10	21.03		
15	QPSK	36	39	20.94	20.96	21.03		
15	QPSK	75	0	21.07	21.10	21.07		
15	16QAM	1	0	20.94	21.08	21.01	21.7	0
15	16QAM	1	37	20.93	20.97	20.92		
15	16QAM	1	74	20.90	20.87	20.94		
15	16QAM	36	0	20.98	20.95	21.00	21.7	0
15	16QAM	36	20	21.04	20.95	20.94		
15	16QAM	36	39	20.92	20.89	20.91		
15	16QAM	75	0	21.03	20.95	20.99		
15	64QAM	1	0	21.01	21.02	21.09	21.7	0
15	64QAM	1	37	20.99	20.99	20.84		
15	64QAM	1	74	20.91	20.98	20.92		
15	64QAM	36	0	20.98	21.02	20.92	21.7	0
15	64QAM	36	20	21.02	20.90	20.89		
15	64QAM	36	39	20.91	20.93	20.96		
15	64QAM	75	0	21.08	21.05	20.91		
15	256QAM	1	0	20.10	20.14	20.10	20.7	1
15	256QAM	1	37	20.14	20.10	20.05		
15	256QAM	1	74	20.03	20.01	20.00		
15	256QAM	36	0	20.00	20.12	20.04	20.7	1
15	256QAM	36	20	20.02	20.02	19.95		
15	256QAM	36	39	19.95	19.99	19.91		
15	256QAM	75	0	20.11	20.11	20.05		
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	21.00	21.11	20.99	21.7	0
10	QPSK	1	25	21.00	21.04	20.87		
10	QPSK	1	49	21.02	20.95	21.00		
10	QPSK	25	0	20.94	21.03	20.93	21.7	0
10	QPSK	25	12	20.93	20.98	21.00		
10	QPSK	25	25	20.89	20.85	20.98		
10	QPSK	50	0	21.04	21.01	21.02		
10	16QAM	1	0	20.83	20.99	20.91	21.7	0
10	16QAM	1	25	20.87	20.85	20.88		
10	16QAM	1	49	20.80	20.74	20.82		
10	16QAM	25	0	20.91	20.84	20.97	21.7	0
10	16QAM	25	12	21.01	20.92	20.81		
10	16QAM	25	25	20.89	20.87	20.87		
10	16QAM	50	0	20.95	20.83	20.86		
10	64QAM	1	0	20.88	20.92	21.01	21.7	0
10	64QAM	1	25	20.87	20.90	20.75		
10	64QAM	1	49	20.81	20.94	20.80		
10	64QAM	25	0	20.88	20.90	20.89	21.7	0
10	64QAM	25	12	20.91	20.78	20.81		
10	64QAM	25	25	20.83	20.82	20.93		
10	64QAM	50	0	21.02	20.99	20.82		
10	256QAM	1	0	20.06	20.06	20.07	20.7	1
10	256QAM	1	25	20.00	20.02	19.94		
10	256QAM	1	49	19.90	19.90	19.95		
10	256QAM	25	0	19.97	20.06	19.95	20.7	1
10	256QAM	25	12	19.92	20.00	19.87		
10	256QAM	25	25	19.91	19.96	19.86		
10	256QAM	50	0	20.08	20.08	19.97		
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	21.01	21.02	20.99	21.7	0
5	QPSK	1	12	20.98	21.01	20.90		
5	QPSK	1	24	20.93	21.00	20.95		
5	QPSK	12	0	20.96	21.04	20.92	21.7	0
5	QPSK	12	7	20.98	21.04	20.94		
5	QPSK	12	13	20.87	20.83	20.99		
5	QPSK	25	0	21.04	21.01	21.04		
5	16QAM	1	0	20.82	21.03	20.94	21.7	0
5	16QAM	1	12	20.83	20.91	20.89		
5	16QAM	1	24	20.77	20.80	20.87		
5	16QAM	12	0	20.87	20.85	20.90	21.7	0
5	16QAM	12	7	20.91	20.83	20.83		
5	16QAM	12	13	20.83	20.84	20.88		
5	16QAM	25	0	20.96	20.82	20.92		
5	64QAM	1	0	20.92	20.95	21.03	21.7	0
5	64QAM	1	12	20.88	20.91	20.78		
5	64QAM	1	24	20.85	20.87	20.80		
5	64QAM	12	0	20.90	20.97	20.83	21.7	0
5	64QAM	12	7	20.97	20.84	20.76		
5	64QAM	12	13	20.88	20.89	20.83		
5	64QAM	25	0	20.95	20.95	20.83		
5	256QAM	1	0	19.99	20.06	19.99	20.7	1
5	256QAM	1	12	20.01	20.03	19.93		
5	256QAM	1	24	19.91	19.95	19.95		
5	256QAM	12	0	19.94	19.99	19.91	20.7	1
5	256QAM	12	7	19.96	19.97	19.82		
5	256QAM	12	13	19.86	19.92	19.79		
5	256QAM	25	0	20.00	20.03	19.93		
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	21.05	21.02	21.00	21.7	0
3	QPSK	1	8	20.99	21.00	20.93		
3	QPSK	1	14	20.95	21.00	21.04		
3	QPSK	8	0	20.98	21.08	20.92	21.7	0
3	QPSK	8	4	20.97	21.03	20.90		
3	QPSK	8	7	20.89	20.87	20.91		
3	QPSK	15	0	21.03	21.02	21.00		
3	16QAM	1	0	20.92	21.03	20.88	21.7	0
3	16QAM	1	8	20.84	20.85	20.86		
3	16QAM	1	14	20.80	20.82	20.92		
3	16QAM	8	0	20.94	20.81	20.93	21.7	0
3	16QAM	8	4	20.96	20.91	20.85		
3	16QAM	8	7	20.81	20.80	20.84		
3	16QAM	15	0	20.97	20.86	20.96		
3	64QAM	1	0	20.90	20.99	21.07	21.7	0
3	64QAM	1	8	20.88	20.87	20.74		
3	64QAM	1	14	20.85	20.94	20.81		
3	64QAM	8	0	20.92	20.91	20.90	21.7	0
3	64QAM	8	4	20.91	20.82	20.78		
3	64QAM	8	7	20.82	20.80	20.87		
3	64QAM	15	0	20.99	21.03	20.82		
3	256QAM	1	0	20.00	20.10	20.00	20.7	1
3	256QAM	1	8	20.05	20.07	20.02		
3	256QAM	1	14	19.92	19.98	19.94		
3	256QAM	8	0	19.89	20.05	19.99	20.7	1
3	256QAM	8	4	19.89	19.92	19.82		
3	256QAM	8	7	19.90	19.93	19.84		
3	256QAM	15	0	20.03	19.97	20.01		
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7	831.5	848.3		
1.4	QPSK	1	0	21.12	21.10	21.01	21.7	0
1.4	QPSK	1	3	20.94	21.09	20.93		
1.4	QPSK	1	5	20.97	20.97	21.01		
1.4	QPSK	3	0	20.96	21.01	20.88		
1.4	QPSK	3	1	20.89	20.97	20.89		
1.4	QPSK	3	3	20.90	20.84	20.98		
1.4	QPSK	6	0	21.03	21.00	20.94	21.7	0
1.4	16QAM	1	0	20.82	21.04	20.98	21.7	0
1.4	16QAM	1	3	20.82	20.88	20.87		
1.4	16QAM	1	5	20.79	20.75	20.81		
1.4	16QAM	3	0	20.88	20.83	20.89		
1.4	16QAM	3	1	20.98	20.84	20.81		
1.4	16QAM	3	3	20.88	20.81	20.85		
1.4	16QAM	6	0	20.98	20.84	20.91	21.7	0
1.4	64QAM	1	0	20.94	20.97	20.99	21.7	0
1.4	64QAM	1	3	20.85	20.87	20.72		
1.4	64QAM	1	5	20.86	20.93	20.86		
1.4	64QAM	3	0	20.95	20.96	20.83		
1.4	64QAM	3	1	20.97	20.82	20.84		
1.4	64QAM	3	3	20.77	20.82	20.83		
1.4	64QAM	6	0	20.96	21.03	20.83	21.7	0
1.4	256QAM	1	0	19.96	20.09	20.07	20.7	1
1.4	256QAM	1	3	20.09	20.00	19.98		
1.4	256QAM	1	5	19.98	19.90	19.89		
1.4	256QAM	3	0	19.97	19.99	19.98		
1.4	256QAM	3	1	19.94	19.90	19.89		
1.4	256QAM	3	3	19.92	19.95	19.79		
1.4	256QAM	6	0	20.07	20.04	19.93	20.7	1

Band 71 Ant1 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				133222	133322	133372		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	25.28	25.35	25.32	25.4	0
20	QPSK	1	49	25.24	25.30	25.29		
20	QPSK	1	99	25.14	25.29	25.20		
20	QPSK	50	0	24.28	24.40	24.32	24.4	1
20	QPSK	50	24	24.29	24.32	24.31		
20	QPSK	50	50	24.16	24.25	24.20		
20	QPSK	100	0	24.30	24.38	24.28		
20	16QAM	1	0	24.30	24.37	24.26	24.4	1
20	16QAM	1	49	24.24	24.30	24.24		
20	16QAM	1	99	24.16	24.26	24.22		
20	16QAM	50	0	23.27	23.35	23.31	23.4	2
20	16QAM	50	24	23.34	23.31	23.26		
20	16QAM	50	50	23.16	23.23	23.16		
20	16QAM	100	0	23.34	23.37	23.33		
20	64QAM	1	0	23.29	23.22	23.26	23.4	2
20	64QAM	1	49	23.20	23.34	23.27		
20	64QAM	1	99	23.17	23.22	23.23		
20	64QAM	50	0	22.25	22.40	22.35	22.4	3
20	64QAM	50	24	22.32	22.34	22.34		
20	64QAM	50	50	22.12	22.24	22.22		
20	64QAM	100	0	22.32	22.38	22.24		
20	256QAM	1	0	20.30	20.38	20.29	20.4	5
20	256QAM	1	49	20.33	20.37	20.30		
20	256QAM	1	99	20.15	20.30	20.19		
20	256QAM	50	0	20.30	20.31	20.27	20.4	5
20	256QAM	50	24	20.35	20.22	20.23		
20	256QAM	50	50	20.21	20.31	20.24		
20	256QAM	100	0	20.18	20.29	20.17		
Channel				133197	133297	133397	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	25.24	25.30	25.19	25.4	0
15	QPSK	1	37	25.18	25.26	25.22		
15	QPSK	1	74	25.10	25.17	25.17		
15	QPSK	36	0	24.17	24.36	24.18	24.4	1
15	QPSK	36	20	24.23	24.19	24.27		
15	QPSK	36	39	24.11	24.23	24.08		
15	QPSK	75	0	24.23	24.24	24.24		
15	16QAM	1	0	24.22	24.35	24.14	24.4	1
15	16QAM	1	37	24.19	24.18	24.20		
15	16QAM	1	74	24.03	24.23	24.15		
15	16QAM	36	0	23.14	23.25	23.25	23.4	2
15	16QAM	36	20	23.25	23.21	23.18		
15	16QAM	36	39	23.13	23.19	23.14		
15	16QAM	75	0	23.27	23.33	23.27		
15	64QAM	1	0	23.25	23.29	23.16	23.4	2
15	64QAM	1	37	23.12	23.26	23.18		
15	64QAM	1	74	23.07	23.14	23.14		
15	64QAM	36	0	22.14	22.37	22.25	22.4	3
15	64QAM	36	20	22.27	22.30	22.22		
15	64QAM	36	39	22.09	22.20	22.09		
15	64QAM	75	0	22.25	22.33	22.12		
15	256QAM	1	0	20.25	20.30	20.19	20.4	5
15	256QAM	1	37	20.25	20.25	20.18		
15	256QAM	1	74	20.13	20.20	20.09		
15	256QAM	36	0	20.27	20.29	20.20	20.4	5
15	256QAM	36	20	20.22	20.29	20.13		
15	256QAM	36	39	20.16	20.21	20.14		
15	256QAM	75	0	20.07	20.20	20.09		
Channel				133172	133272	133422	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	678	693		
10	QPSK	1	0	25.14	25.27	25.27	25.4	0
10	QPSK	1	25	25.17	25.28	25.24		
10	QPSK	1	49	25.10	25.18	25.09		
10	QPSK	25	0	24.24	24.27	24.28	24.4	1
10	QPSK	25	12	24.25	24.25	24.18		
10	QPSK	25	25	24.02	24.17	24.10		
10	QPSK	50	0	24.25	24.30	24.20		
10	16QAM	1	0	24.26	24.28	24.23	24.4	1
10	16QAM	1	25	24.13	24.17	24.19		
10	16QAM	1	49	24.11	24.13	24.17		
10	16QAM	25	0	23.21	23.26	23.22	23.4	2
10	16QAM	25	12	23.29	23.27	23.21		
10	16QAM	25	25	23.10	23.18	23.02		
10	16QAM	50	0	23.28	23.29	23.26		
10	64QAM	1	0	23.20	23.38	23.14	23.4	2
10	64QAM	1	25	23.08	23.22	23.15		
10	64QAM	1	49	23.13	23.11	23.18		
10	64QAM	25	0	22.18	22.35	22.31	22.4	3
10	64QAM	25	12	22.26	22.30	22.20		
10	64QAM	25	25	22.03	22.17	22.13		
10	64QAM	50	0	22.29	22.34	22.13		
10	256QAM	1	0	20.17	20.36	20.17	20.4	5
10	256QAM	1	25	20.21	20.31	20.19		
10	256QAM	1	49	20.12	20.26	20.05		
10	256QAM	25	0	20.18	20.28	20.15	20.4	5
10	256QAM	25	12	20.24	20.32	20.17		
10	256QAM	25	25	20.17	20.18	20.15		
10	256QAM	50	0	20.10	20.24	20.13		
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	25.25	25.23	25.26	25.4	0
5	QPSK	1	12	25.15	25.27	25.22		
5	QPSK	1	24	25.09	25.15	25.14		
5	QPSK	12	0	24.20	24.29	24.18	24.4	1
5	QPSK	12	7	24.16	24.26	24.27		
5	QPSK	12	13	24.07	24.20	24.06		
5	QPSK	25	0	24.27	24.26	24.17		
5	16QAM	1	0	24.17	24.28	24.17	24.4	1
5	16QAM	1	12	24.20	24.21	24.18		
5	16QAM	1	24	24.06	24.15	24.13		
5	16QAM	12	0	23.21	23.29	23.20	23.4	2
5	16QAM	12	7	23.25	23.21	23.14		
5	16QAM	12	13	23.14	23.21	23.04		
5	16QAM	25	0	23.29	23.26	23.23		
5	64QAM	1	0	23.19	23.38	23.19	23.4	2
5	64QAM	1	12	23.11	23.22	23.16		
5	64QAM	1	24	23.07	23.16	23.11		
5	64QAM	12	0	22.21	22.31	22.31	22.4	3
5	64QAM	12	7	22.25	22.25	22.29		
5	64QAM	12	13	22.05	22.16	22.19		
5	64QAM	25	0	22.26	22.26	22.14		
5	256QAM	1	0	20.19	20.29	20.25	20.4	5
5	256QAM	1	12	20.21	20.34	20.21		
5	256QAM	1	24	20.11	20.27	20.15		
5	256QAM	12	0	20.22	20.38	20.15	20.4	5
5	256QAM	12	7	20.22	20.40	20.17		
5	256QAM	12	13	20.13	20.19	20.16		
5	256QAM	25	0	20.09	20.20	20.05		

GSM1900 Ant5 DSI 5

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.93	28.83	28.80	30.00	19.93	19.83	19.80	21.00
GPRS 1 Tx slot	28.96	29.01	29.10	30.00	19.96	20.01	20.10	21.00
GPRS 2 Tx slots	25.64	25.73	25.75	27.00	19.64	19.73	19.75	21.00
GPRS 3 Tx slots	24.65	24.69	24.59	25.20	20.39	20.43	20.33	20.94
GPRS 4 Tx slots	22.76	22.85	22.70	24.00	19.76	19.85	19.70	21.00
EDGE 1 Tx slot	25.61	26.01	25.93	27.00	16.51	17.01	16.93	18.00
EDGE 2 Tx slots	22.65	22.81	23.05	24.00	16.65	16.81	17.05	18.00
EDGE 3 Tx slots	21.55	21.54	21.54	22.20	17.29	17.28	17.28	17.94
EDGE 4 Tx slots	19.81	19.87	19.78	21.00	16.81	16.87	16.78	18.00

WCDMA II Ant5 DSI 5 WCDMA IV Ant5 DSI 5

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.46	19.60	19.43	20.50	19.42	19.62	19.41	20.50
3GPP Rel 99	RMC 12.2Kbps	19.59	19.63	19.55	20.50	19.63	19.65	19.58	20.50
3GPP Rel 6	HSDPA Subtest-1	18.57	18.68	18.51	19.50	18.62	18.72	18.50	19.50
3GPP Rel 6	HSDPA Subtest-2	18.62	18.65	18.50	19.50	18.67	18.63	18.57	19.50
3GPP Rel 6	HSDPA Subtest-3	18.08	18.16	18.05	19.00	18.14	18.12	18.11	19.00
3GPP Rel 6	HSDPA Subtest-4	18.08	18.10	18.06	19.00	18.04	18.17	18.05	19.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.55	18.60	18.51	19.50	18.51	18.60	18.57	19.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.57	18.67	18.50	19.50	18.58	18.69	18.49	19.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.04	18.15	18.05	19.00	18.01	18.18	18.12	19.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.07	18.09	18.10	19.00	18.10	18.09	18.16	19.00
3GPP Rel 6	HSUPA Subtest-1	18.53	18.58	18.59	19.50	18.58	18.64	18.56	19.50
3GPP Rel 6	HSUPA Subtest-2	16.53	16.63	16.59	17.50	16.60	16.63	16.54	17.50
3GPP Rel 6	HSUPA Subtest-3	17.64	17.65	17.56	18.50	17.69	17.71	17.53	18.50
3GPP Rel 6	HSUPA Subtest-4	16.61	16.61	16.51	17.50	16.58	16.67	16.47	17.50
3GPP Rel 6	HSUPA Subtest-5	18.64	18.65	18.53	19.50	18.66	18.64	18.48	19.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.06	16.08	15.99	17.00	16.06	16.04	16.04	17.00

Band 2 Ant5 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	19.72	19.76	19.73		
20	QPSK	1	49	19.60	19.62	19.64	20.5	0
20	QPSK	50	0	19.70	19.73	19.74		
20	QPSK	50	0	19.62	19.74	19.60		
20	QPSK	50	24	19.69	19.64	19.70	20.5	0
20	QPSK	50	50	19.66	19.66	19.65		
20	QPSK	100	0	19.63	19.70	19.65		
20	16QAM	1	0	19.66	19.66	19.61		
20	16QAM	1	49	19.49	19.49	19.62	20.5	0
20	16QAM	1	99	19.57	19.69	19.61		
20	16QAM	50	0	19.58	19.69	19.47		
20	16QAM	50	24	19.64	19.58	19.65	20.5	0
20	16QAM	50	50	19.54	19.53	19.53		
20	16QAM	100	0	19.53	19.58	19.51		
20	64QAM	1	0	19.61	19.67	19.62		
20	64QAM	1	49	19.54	19.60	19.56	20.5	0
20	64QAM	1	99	19.68	19.61	19.67		
20	64QAM	50	0	19.60	19.62	19.54		
20	64QAM	50	24	19.66	19.50	19.62	20.5	0
20	64QAM	50	50	19.60	19.63	19.51		
20	64QAM	100	0	19.55	19.67	19.52		
20	256QAM	1	0	19.20	19.29	19.27		
20	256QAM	1	49	19.15	19.08	19.17	20	0.5
20	256QAM	1	99	19.20	19.21	19.23		
20	256QAM	50	0	19.14	19.26	19.04		
20	256QAM	50	24	19.19	19.09	19.21	20	0.5
20	256QAM	50	50	19.17	19.14	19.09		
20	256QAM	100	0	19.12	19.20	19.20		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.71	19.71	19.64		
15	QPSK	1	37	19.52	19.60	19.57	20.5	0
15	QPSK	1	74	19.59	19.61	19.59		
15	QPSK	36	0	19.55	19.68	19.59		
15	QPSK	36	20	19.65	19.64	19.65	20.5	0
15	QPSK	36	39	19.65	19.63	19.56		
15	QPSK	75	0	19.53	19.61	19.63		
15	16QAM	1	0	19.57	19.61	19.61		
15	16QAM	1	37	19.39	19.41	19.58	20.5	0
15	16QAM	1	74	19.57	19.62	19.61		
15	16QAM	36	0	19.50	19.63	19.37		
15	16QAM	36	20	19.52	19.48	19.59	20.5	0
15	16QAM	36	39	19.47	19.43	19.51		
15	16QAM	75	0	19.49	19.55	19.44		
15	64QAM	1	0	19.58	19.61	19.58		
15	64QAM	1	37	19.46	19.49	19.50	20.5	0
15	64QAM	1	74	19.61	19.52	19.57		
15	64QAM	36	0	19.52	19.57	19.46		
15	64QAM	36	20	19.54	19.45	19.60	20.5	0
15	64QAM	36	39	19.51	19.54	19.45		
15	64QAM	75	0	19.45	19.65	19.43		
15	256QAM	1	0	19.09	19.23	19.16		
15	256QAM	1	37	19.05	19.01	19.15	20	0.5
15	256QAM	1	74	19.12	19.15	19.15		
15	256QAM	36	0	19.11	19.20	18.97		
15	256QAM	36	20	19.15	19.07	19.12	20	0.5
15	256QAM	36	39	19.10	19.10	19.09		
15	256QAM	75	0	19.11	19.19	19.19		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.67	19.69	19.70		
10	QPSK	1	25	19.49	19.52	19.58	20.5	0
10	QPSK	1	49	19.59	19.63	19.65		
10	QPSK	25	0	19.60	19.70	19.58		
10	QPSK	25	12	19.67	19.61	19.61	20.5	0
10	QPSK	25	25	19.62	19.64	19.57		
10	QPSK	50	0	19.61	19.61	19.61		
10	16QAM	1	0	19.60	19.57	19.57		
10	16QAM	1	25	19.45	19.45	19.54	20.5	0
10	16QAM	1	49	19.51	19.56	19.56		
10	16QAM	25	0	19.48	19.68	19.47		
10	16QAM	25	12	19.58	19.50	19.56	20.5	0
10	16QAM	25	25	19.48	19.48	19.49		
10	16QAM	50	0	19.46	19.56	19.47		
10	64QAM	1	0	19.60	19.57	19.52		
10	64QAM	1	25	19.49	19.50	19.45	20.5	0
10	64QAM	1	49	19.58	19.55	19.63		
10	64QAM	25	0	19.57	19.57	19.45		
10	64QAM	25	12	19.58	19.46	19.51	20.5	0
10	64QAM	25	25	19.60	19.59	19.41		
10	64QAM	50	0	19.48	19.60	19.43		
10	256QAM	1	0	19.19	19.28	19.19		
10	256QAM	1	25	19.14	19.06	19.05	20	0.5
10	256QAM	1	49	19.13	19.19	19.21		
10	256QAM	25	0	19.12	19.21	18.99		
10	256QAM	25	12	19.10	19.04	19.11	20	0.5
10	256QAM	25	25	19.15	19.10	19.00		
10	256QAM	50	0	19.04	19.14	19.19		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	19.67	19.69	19.63		
5	QPSK	1	12	19.57	19.53	19.54	20.5	0
5	QPSK	1	24	19.65	19.66	19.62		
5	QPSK	12	0	19.56	19.73	19.48		
5	QPSK	12	7	19.68	19.52	19.61	20.5	0
5	QPSK	12	13	19.55	19.54	19.64		
5	QPSK	25	0	19.61	19.68	19.56		
5	16QAM	1	0	19.58	19.60	19.56		
5	16QAM	1	12	19.40	19.45	19.50	20.5	0
5	16QAM	1	24	19.50	19.65	19.51		
5	16QAM	12	0	19.50	19.59	19.39		
5	16QAM	12	7	19.56	19.53	19.61	20.5	0
5	16QAM	12	13	19.43	19.41	19.45		
5	16QAM	25	0	19.48	19.54	19.43		
5	64QAM	1	0	19.54	19.55	19.55		
5	64QAM	1	12	19.54	19.50	19.45	20.5	0
5	64QAM	1	24	19.63	19.60	19.67		
5	64QAM	12	0	19.59	19.59	19.50		
5	64QAM	12	7	19.62	19.40	19.58	20.5	0
5	64QAM	12	13	19.52	19.61	19.40		
5	64QAM	25	0	19.54	19.59	19.49		
5	256QAM	1	0	19.18	19.17	19.26		
5	256QAM	1	12	19.11	18.98	19.07	20	0.5
5	256QAM	1	24	19.11	19.17	19.20		
5	256QAM	12	0	19.05	19.16	19.02		
5	256QAM	12	7	19.10	19.08	19.15	20	0.5
5	256QAM	12	13	19.07	19.03	19.00		
5	256QAM	25	0	19.08	19.17	19.13		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.65	19.74	19.67		
3	QPSK	1	8	19.52	19.55	19.63	20.5	0
3	QPSK	1	14	19.62	19.67	19.67		
3	QPSK	8	0	19.54	19.66	19.49		
3	QPSK	8	4	19.66	19.56	19.60	20.5	0
3	QPSK	8	7	19.61	19.65	19.56		
3	QPSK	15	0	19.56	19.61	19.62		
3	16QAM	1	0	19.61	19.65	19.57		
3	16QAM	1	8	19.44	19.45	19.53	20.5	0
3	16QAM	1	14	19.48	19.61	19.53		
3	16QAM	8	0	19.47	19.63	19.36		
3	16QAM	8	4	19.58	19.46	19.65	20.5	0
3	16QAM	8	7	19.47	19.53	19.47		
3	16QAM	15	0	19.51	19.53	19.47		
3	64QAM	1	0	19.55	19.56	19.58		
3	64QAM	1	8	19.53	19.55	19.45	20.5	0
3	64QAM	1	14	19.66	19.49	19.56		
3	64QAM	8	0	19.59	19.57	19.52		
3	64QAM	8	4	19.55	19.44	19.51	20.5	0
3	64QAM	8	7	19.51	19.63	19.40		
3	64QAM	15	0	19.43	19.66	19.48		
3	256QAM	1	0	19.15	19.25	19.22		
3	256QAM	1	8	19.07	19.01	19.09	20	0.5
3	256QAM	1	14	19.15	19.15	19.13		
3	256QAM	8	0	19.05	19.25	18.99		
3	256QAM	8	4	19.07	19.00	19.16	20	0.5
3	256QAM	8	7	19.10	19.05	18.99		
3	256QAM	15	0	19.04	19.18	19.12		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.69	19.69	19.62		
1.4	QPSK	1	3	19.51	19.50	19.62		
1.4	QPSK	1	5	19.69	19.72	19.64	20.5	0
1.4	QPSK	3	0	19.50	19.71	19.48		
1.4	QPSK	3	1	19.69	19.64	19.64		
1.4	QPSK	3	3	19.66	19.62	19.61		
1.4	QPSK	6	0	19.52	19.59	19.56	20.5	0
1.4	16QAM	1	0	19.60	19.63	19.57		
1.4	16QAM	1	3	19.40	19.48	19.57		
1.4	16QAM	1	5	19.47	19.69	19.53	20.5	0
1.4	16QAM	3	0	19.54	19.65	19.47		
1.4	16QAM	3	1	19.53	19.54	19.62		
1.4	16QAM	3	3	19.44	19.48	19.51		
1.4	16QAM	6	0	19.50	19.56	19.39	20.5	0
1.4	64QAM	1	0	19.55	19.65	19.53		
1.4	64QAM	1	3	19.45	19.56	19.47		
1.4	64QAM	1	5	19.57	19.50	19.57	20.5	0
1.4	64QAM	3	0	19.57	19.54	19.54		
1.4	64QAM	3	1	19.57	19.46	19.54		
1.4	64QAM	3	3	19.59	19.57	19.51		
1.4	64QAM	6	0	19.46	19.64	19.42	20.5	0
1.4	256QAM	1	0	19.10	19.20	19.19		
1.4	256QAM	1	3	19.08	18.97	19.06		
1.4	256QAM	1	5	19.10	19.16	19.15	20	0.5
1.4	256QAM	3	0	19.13	19.14	18.98		
1.4	256QAM	3	1	19.17	19.07	19.16		
1.4	256QAM	3	3	19.12	19.04	19.08		
1.4	256QAM	6	0	19.09	19.15	19.09	20	0.5

Band 4 Ant5 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	19.35	19.39	19.33		
20	QPSK	1	49	19.31	19.28	19.33	20.2	0
20	QPSK	50	0	19.22	19.37	19.27		
20	QPSK	50	0	19.23	19.38	19.30		
20	QPSK	50	24	19.26	19.27	19.28	20.2	0
20	QPSK	50	50	19.24	19.35	19.26		
20	QPSK	100	0	19.30	19.37	19.23		
20	16QAM	1	0	19.33	19.30	19.29		
20	16QAM	1	49	19.20	19.19	19.23	20.2	0
20	16QAM	1	99	19.21	19.32	19.22		
20	16QAM	50	0	19.22	19.38	19.24		
20	16QAM	50	24	19.16	19.21	19.28	20.2	0
20	16QAM	50	50	19.13	19.30	19.21		
20	16QAM	100	0	19.25	19.28	19.15		
20	64QAM	1	0	19.29	19.31	19.27		
20	64QAM	1	49	19.29	19.27	19.33	20.2	0
20	64QAM	1	99	19.21	19.36	19.15		
20	64QAM	50	0	19.16	19.32	19.18		
20	64QAM	50	24	19.24	19.17	19.16	20.2	0
20	64QAM	50	50	19.23	19.34	19.22		
20	64QAM	100	0	19.28	19.36	19.15		
20	256QAM	1	0	19.34	19.32	19.21		
20	256QAM	1	49	19.26	19.20	19.29	20.2	0
20	256QAM	1	99	19.24	19.25	19.23		
20	256QAM	50	0	19.17	19.37	19.27		
20	256QAM	50	24	19.26	19.18	19.22	20.2	0
20	256QAM	50	50	19.14	19.29	19.18		
20	256QAM	100	0	19.25	19.31	19.11		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	19.23	19.34	19.25		
15	QPSK	1	37	19.38	19.22	19.30	20.2	0
15	QPSK	1	74	19.15	19.33	19.14		
15	QPSK	36	0	19.19	19.28	19.20		
15	QPSK	36	20	19.17	19.14	19.19	20.2	0
15	QPSK	36	39	19.11	19.22	19.16		
15	QPSK	75	0	19.18	19.26	19.19		
15	16QAM	1	0	19.25	19.18	19.17		
15	16QAM	1	37	19.16	19.05	19.20	20.2	0
15	16QAM	1	74	19.10	19.23	19.10		
15	16QAM	36	0	19.11	19.24	19.14		
15	16QAM	36	20	19.10	19.18	19.20	20.2	0
15	16QAM	36	39	19.09	19.24	19.15		
15	16QAM	75	0	19.19	19.20	19.09		
15	64QAM	1	0	19.25	19.18	19.23		
15	64QAM	1	37	19.22	19.24	19.28	20.2	0
15	64QAM	1	74	19.15	19.28	19.02		
15	64QAM	36	0	19.11	19.21	19.08		
15	64QAM	36	20	19.18	19.19	19.13	20.2	0
15	64QAM	36	39	19.15	19.32	19.12		
15	64QAM	75	0	19.20	19.26	19.09		
15	256QAM	1	0	19.31	19.30	19.15		
15	256QAM	1	37	19.22	19.16	19.24	20.2	0
15	256QAM	1	74	19.12	19.20	19.21		
15	256QAM	36	0	19.07	19.29	19.19		
15	256QAM	36	20	19.13	19.04	19.19	20.2	0
15	256QAM	36	39	19.09	19.24	19.09		
15	256QAM	75	0	19.15	19.24	19.06		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	19.25	19.34	19.26		
10	QPSK	1	25	19.25	19.19	19.28	20.2	0
10	QPSK	1	49	19.21	19.25	19.17		
10	QPSK	25	0	19.19	19.25	19.23		
10	QPSK	25	12	19.21	19.15	19.23	20.2	0
10	QPSK	25	25	19.11	19.28	19.13		
10	QPSK	50	0	19.19	19.26	19.15		
10	16QAM	1	0	19.21	19.23	19.21		
10	16QAM	1	25	19.13	19.08	19.13	20.2	0
10	16QAM	1	49	19.13	19.24	19.16		
10	16QAM	25	0	19.13	19.34	19.15		
10	16QAM	25	12	19.08	19.16	19.22	20.2	0
10	16QAM	25	25	19.01	19.18	19.17		
10	16QAM	50	0	19.16	19.25	19.05		
10	64QAM	1	0	19.20	19.26	19.22		
10	64QAM	1	25	19.21	19.16	19.30	20.2	0
10	64QAM	1	49	19.14	19.29	19.08		
10	64QAM	25	0	19.14	19.30	19.15		
10	64QAM	25	12	19.09	19.14	19.03	20.2	0
10	64QAM	25	25	19.12	19.28	19.17		
10	64QAM	50	0	19.19	19.23	19.05		
10	256QAM	1	0	19.31	19.28	19.18		
10	256QAM	1	25	19.21	19.09	19.25	20.2	0
10	256QAM	1	49	19.14	19.14	19.20		
10	256QAM	25	0	19.14	19.31	19.14		
10	256QAM	25	12	19.10	19.10	19.10	20.2	0
10	256QAM	25	25	19.04	19.25	19.06		
10	256QAM	50	0	19.17	19.27	19.08		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	19.22	19.34	19.27		
5	QPSK	1	12	19.22	19.23	19.31	20.2	0
5	QPSK	1	24	19.16	19.23	19.13		
5	QPSK	12	0	19.10	19.31	19.17		
5	QPSK	12	7	19.17	19.16	19.18	20.2	0
5	QPSK	12	13	19.16	19.28	19.12		
5	QPSK	25	0	19.17	19.33	19.21		
5	16QAM	1	0	19.24	19.16	19.24		
5	16QAM	1	12	19.08	19.10	19.16	20.2	0
5	16QAM	1	24	19.14	19.27	19.19		
5	16QAM	12	0	19.19	19.31	19.15		
5	16QAM	12	7	19.06	19.18	19.25	20.2	0
5	16QAM	12	13	19.03	19.16	19.08		
5	16QAM	25	0	19.18	19.18	19.08		
5	64QAM	1	0	19.20	19.18	19.23		
5	64QAM	1	12	19.20	19.18	19.20	20.2	0
5	64QAM	1	24	19.15	19.25	19.05		
5	64QAM	12	0	19.07	19.19	19.08		
5	64QAM	12	7	19.11	19.11	19.12	20.2	0
5	64QAM	12	13	19.11	19.25	19.19		
5	64QAM	25	0	19.21	19.29	19.09		
5	256QAM	1	0	19.25	19.27	19.18		
5	256QAM	1	12	19.16	19.08	19.17	20.2	0
5	256QAM	1	24	19.10	19.12	19.11		
5	256QAM	12	0	19.13	19.24	19.14		
5	256QAM	12	7	19.16	19.15	19.18	20.2	0
5	256QAM	12	13	19.11	19.18	19.07		
5	256QAM	25	0	19.22	19.18	19.02		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	19.29	19.36	19.28		
3	QPSK	1	8	19.26	19.25	19.30	20.2	0
3	QPSK	1	14	19.19	19.30	19.20		
3	QPSK	8	0	19.14	19.34	19.23		
3	QPSK	8	4	19.19	19.14	19.17	20.2	0
3	QPSK	8	7	19.13	19.33	19.23		
3	QPSK	15	0	19.22	19.28	19.15		
3	16QAM	1	0	19.30	19.23	19.21		
3	16QAM	1	8	19.15	19.09	19.12	20.2	0
3	16QAM	1	14	19.19	19.20	19.17		
3	16QAM	8	0	19.20	19.31	19.16		
3	16QAM	8	4	19.07	19.16	19.24	20.2	0
3	16QAM	8	7	19.04	19.25	19.15		
3	16QAM	15	0	19.19	19.16	19.06		
3	64QAM	1	0	19.19	19.28	19.21		
3	64QAM	1	8	19.19	19.17	19.20	20.2	0
3	64QAM	1	14	19.12	19.32	19.12		
3	64QAM	8	0	19.08	19.29	19.05		
3	64QAM	8	4	19.15	19.06	19.06	20.2	0
3	64QAM	8	7	19.18	19.20	19.17		
3	64QAM	15	0	19.24	19.29	19.06		
3	256QAM	1	0	19.27	19.25	19.12		
3	256QAM	1	8	19.16	19.17	19.23	20.2	0
3	256QAM	1	14	19.11	19.20	19.14		
3	256QAM	8	0	19.12	19.25	19.14		
3	256QAM	8	4	19.22	19.14	19.19	20.2	0
3	256QAM	8	7	19.09	19.21	19.11		
3	256QAM	15	0	19.14	19.17	19.06		
Channel				19925	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.23	19.33	19.30		
1.4	QPSK	1	3	19.29	19.18	19.28		
1.4	QPSK	1	5	19.16	19.25	19.22	20.2	0
1.4	QPSK	3	0	19.11	19.24	19.21		
1.4	QPSK	3	1	19.17	19.20	19.22		
1.4	QPSK	3	3	19.17	19.24	19.20		
1.4	QPSK	6	0	19.25	19.25	19.10	20.2	0
1.4	16QAM	1	0	19.20	19.26	19.22		
1.4	16QAM	1	3	19.18	19.10	19.12		
1.4	16QAM	1	5	19.15	19.20	19.11	20.2	0
1.4	16QAM	3	0	19.08	19.30	19.13		
1.4	16QAM	3	1	19.12	19.10	19.22		
1.4	16QAM	3	3	19.01	19.24	19.14		
1.4	16QAM	6	0	19.11	19.14	19.02	20.2	0
1.4	64QAM	1	0	19.20	19.17	19.19		
1.4	64QAM	1	3	19.22	19.21	19.23		
1.4	64QAM	1	5	19.12	19.28	19.10	20.2	0
1.4	64QAM	3	0	19.13	19.28	19.04		
1.4	64QAM	3	1	19.11	19.15	19.02		
1.4	64QAM	3	3	19.11	19.29	19.19		
1.4	64QAM	6	0	19.22	19.24	19.01	20.2	0
1.4	256QAM	1	0	19.26	19.28	19.18		
1.4	256QAM	1	3	19.15	19.18	19.19		
1.4	256QAM	1	5	19.15	19.21	19.16	20.2	0
1.4	256QAM	3	0	19.14	19.29	19.23		
1.4	256QAM	3	1	19.16	19.09	19.08		
1.4	256QAM	3	3	19.09	19.19	19.15		
1.4	256QAM	6	0	19.18	19.23	18.98	20.2	0

Band 7 Ant5 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.75	17.79	17.73		
20	QPSK	1	49	17.63	17.69	17.64	18.5	0
20	QPSK	1	99	17.74	17.70	17.67		
20	QPSK	50	0	17.62	17.76	17.60		
20	QPSK	50	24	17.61	17.65	17.63	18.5	0
20	QPSK	50	50	17.68	17.71	17.59		
20	QPSK	100	0	17.73	17.75	17.70		
20	16QAM	1	0	17.70	17.68	17.59		
20	16QAM	1	49

Band 66 Ant5 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	20.20	20.24	20.18		
20	QPSK	1	49	20.14	20.19	20.09	20.7	0
20	QPSK	1	99	20.12	20.17	20.13		
20	QPSK	50	0	20.17	20.21	20.08		
20	QPSK	50	24	20.13	20.12	20.06	20.7	0
20	QPSK	50	50	20.16	20.20	20.10		
20	QPSK	100	0	20.12	20.20	20.06		
20	16QAM	1	0	20.13	20.11	20.11		
20	16QAM	1	49	20.09	20.16	19.95	20.7	0
20	16QAM	1	99	20.06	20.08	20.09		
20	16QAM	50	0	20.08	20.11	19.96		
20	16QAM	50	24	20.02	20.04	20.00	20.7	0
20	16QAM	50	50	20.13	20.13	20.05		
20	16QAM	100	0	20.07	20.16	19.96		
20	64QAM	1	0	20.09	20.19	20.12		
20	64QAM	1	49	20.05	20.16	19.99	20.7	0
20	64QAM	1	99	20.02	20.13	20.02		
20	64QAM	50	0	20.09	20.16	19.96		
20	64QAM	50	24	20.04	20.05	19.99	20.7	0
20	64QAM	50	50	20.07	20.07	20.01		
20	64QAM	100	0	20.03	20.09	19.96		
20	256QAM	1	0	20.09	20.18	20.05		
20	256QAM	1	49	20.02	20.17	20.02	20.7	0
20	256QAM	1	99	20.09	20.04	20.00		
20	256QAM	50	0	20.08	20.15	20.01		
20	256QAM	50	24	20.10	20.07	19.95	20.7	0
20	256QAM	50	50	20.13	20.18	20.08		
20	256QAM	100	0	20.02	20.08	19.97		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.11	20.12	20.10		
15	QPSK	1	37	20.11	20.16	20.01	20.7	0
15	QPSK	1	74	20.07	20.11	20.07		
15	QPSK	36	0	20.09	20.17	19.98		
15	QPSK	36	20	20.02	20.00	19.99	20.7	0
15	QPSK	36	39	20.03	20.07	19.99		
15	QPSK	75	0	20.05	20.15	19.95		
15	16QAM	1	0	20.02	20.01	20.01		
15	16QAM	1	37	19.97	20.13	19.89	20.7	0
15	16QAM	1	74	19.96	20.06	20.00		
15	16QAM	36	0	20.05	19.98	19.90		
15	16QAM	36	20	20.00	19.94	19.94	20.7	0
15	16QAM	36	39	20.05	20.06	19.98		
15	16QAM	75	0	19.93	20.04	19.93		
15	64QAM	1	0	19.97	20.12	20.03		
15	64QAM	1	37	19.99	20.06	19.87	20.7	0
15	64QAM	1	74	19.94	20.06	19.94		
15	64QAM	36	0	20.07	20.08	19.84		
15	64QAM	36	20	19.97	20.01	19.85	20.7	0
15	64QAM	36	39	19.94	20.04	19.98		
15	64QAM	75	0	19.92	19.97	19.93		
15	256QAM	1	0	20.01	20.15	20.02		
15	256QAM	1	37	19.92	20.05	19.99	20.7	0
15	256QAM	1	74	19.99	19.91	19.96		
15	256QAM	36	0	20.04	20.10	19.95		
15	256QAM	36	20	20.06	20.01	19.83	20.7	0
15	256QAM	36	39	20.02	20.15	20.00		
15	256QAM	75	0	19.90	20.05	19.90		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.15	20.18	20.05		
10	QPSK	1	25	20.09	20.09	20.02	20.7	0
10	QPSK	1	49	20.08	20.07	20.05		
10	QPSK	25	0	20.15	20.16	19.96		
10	QPSK	25	12	20.03	20.00	20.03	20.7	0
10	QPSK	25	25	20.08	20.16	19.97		
10	QPSK	50	0	19.99	20.12	19.93		
10	16QAM	1	0	20.03	20.09	20.06		
10	16QAM	1	25	19.95	20.04	19.85	20.7	0
10	16QAM	1	49	19.96	20.05	19.96		
10	16QAM	25	0	19.98	20.08	19.85		
10	16QAM	25	12	19.98	19.93	19.96	20.7	0
10	16QAM	25	25	20.05	20.04	19.91		
10	16QAM	50	0	19.95	20.03	19.90		
10	64QAM	1	0	19.95	20.16	20.00		
10	64QAM	1	25	19.97	20.09	19.96	20.7	0
10	64QAM	1	49	19.99	20.01	19.96		
10	64QAM	25	0	20.03	20.06	19.90		
10	64QAM	25	12	19.95	19.99	19.89	20.7	0
10	64QAM	25	25	20.05	20.01	19.98		
10	64QAM	50	0	19.95	20.04	19.90		
10	256QAM	1	0	20.04	20.08	20.00		
10	256QAM	1	25	19.97	20.14	19.95	20.7	0
10	256QAM	1	49	19.97	19.95	19.96		
10	256QAM	25	0	19.98	20.02	19.96		
10	256QAM	25	12	20.02	20.00	19.93	20.7	0
10	256QAM	25	25	20.10	20.08	20.02		
10	256QAM	50	0	19.88	20.02	19.91		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	20.15	20.13	20.11		
5	QPSK	1	12	20.06	20.06	20.00	20.7	0
5	QPSK	1	24	20.06	20.05	20.00		
5	QPSK	12	0	20.10	20.19	20.01		
5	QPSK	12	7	20.04	20.02	20.04	20.7	0
5	QPSK	12	13	20.03	20.07	19.99		
5	QPSK	25	0	20.03	20.16	20.00		
5	16QAM	1	0	20.09	20.02	20.04		
5	16QAM	1	12	20.00	20.13	19.82	20.7	0
5	16QAM	1	24	20.01	20.03	20.05		
5	16QAM	12	0	20.03	20.04	19.89		
5	16QAM	12	7	19.94	19.96	19.96	20.7	0
5	16QAM	12	13	20.07	20.09	19.97		
5	16QAM	25	0	20.02	20.07	19.90		
5	64QAM	1	0	19.99	20.13	20.04		
5	64QAM	1	12	19.96	20.08	19.85	20.7	0
5	64QAM	1	24	20.00	20.04	19.94		
5	64QAM	12	0	20.04	20.04	19.83		
5	64QAM	12	7	19.94	19.94	19.87	20.7	0
5	64QAM	12	13	20.03	20.05	19.95		
5	64QAM	25	0	19.91	20.05	19.91		
5	256QAM	1	0	19.97	20.11	19.99		
5	256QAM	1	12	19.97	20.12	19.89	20.7	0
5	256QAM	1	24	20.00	19.96	19.97		
5	256QAM	12	0	20.02	20.10	19.99		
5	256QAM	12	7	19.99	20.03	19.91	20.7	0
5	256QAM	12	13	20.04	20.05	19.98		
5	256QAM	25	0	19.88	19.99	19.87		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	20.11	20.20	20.06		
3	QPSK	1	8	20.08	20.06	20.00	20.7	0
3	QPSK	1	14	20.01	20.13	20.03		
3	QPSK	8	0	20.03	20.07	20.03		
3	QPSK	8	4	20.02	20.07	19.98	20.7	0
3	QPSK	8	7	20.11	20.09	20.02		
3	QPSK	15	0	19.99	20.09	19.95		
3	16QAM	1	0	20.01	19.98	19.99		
3	16QAM	1	8	19.98	20.08	19.83	20.7	0
3	16QAM	1	14	20.02	19.97	19.99		
3	16QAM	8	0	19.95	20.05	19.82		
3	16QAM	8	4	19.89	19.98	19.90	20.7	0
3	16QAM	8	7	19.99	20.07	19.92		
3	16QAM	15	0	20.01	20.07	19.88		
3	64QAM	1	0	19.98	20.10	20.05		
3	64QAM	1	8	19.93	20.07	19.88	20.7	0
3	64QAM	1	14	19.96	20.06	19.95		
3	64QAM	8	0	19.97	20.04	19.93		
3	64QAM	8	4	20.01	19.97	19.91	20.7	0
3	64QAM	8	7	19.96	20.01	19.94		
3	64QAM	15	0	19.92	20.01	19.94		
3	256QAM	1	0	20.04	20.06	19.95		
3	256QAM	1	8	20.00	20.11	19.93	20.7	0
3	256QAM	1	14	20.04	20.00	19.89		
3	256QAM	8	0	20.02	20.02	19.92		
3	256QAM	8	4	20.00	20.00	19.84	20.7	0
3	256QAM	8	7	20.02	20.08	20.05		
3	256QAM	15	0	19.90	19.97	19.95		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	20.07	20.19	20.11		
1.4	QPSK	1	3	20.02	20.11	19.95		
1.4	QPSK	1	5	20.04	20.06	20.11	20.7	0
1.4	QPSK	3	0	20.07	20.13	19.97		
1.4	QPSK	3	1	20.00	20.00	19.95		
1.4	QPSK	3	3	20.07	20.13	20.06		
1.4	QPSK	6	0	20.01	20.18	20.01	20.7	0
1.4	16QAM	1	0	20.09	20.05	19.98		
1.4	16QAM	1	3	19.97	20.12	19.90		
1.4	16QAM	1	5	20.02	20.05	20.07	20.7	0
1.4	16QAM	3	0	20.01	20.02	19.87		
1.4	16QAM	3	1	19.92	19.91	19.96		
1.4	16QAM	3	3	20.11	20.02	19.91		
1.4	16QAM	6	0	20.02	20.13	19.87	20.7	0
1.4	64QAM	1	0	20.02	20.13	20.04		
1.4	64QAM	1	3	20.01	20.09	19.94		
1.4	64QAM	1	5	19.89	20.01	19.92	20.7	0
1.4	64QAM	3	0	20.07	20.05	19.93		
1.4	64QAM	3	1	19.98	19.98	19.91		
1.4	64QAM	3	3	20.03	19.95	19.91		
1.4	64QAM	6	0	20.00	20.01	19.93	20.7	0
1.4	256QAM	1	0	20.03	20.11	19.94		
1.4	256QAM	1	3	19.92	20.15	19.95		
1.4	256QAM	1	5	20.03	20.00	19.87	20.7	0
1.4	256QAM	3	0	20.02	20.11	19.89		
1.4	256QAM	3	1	20.00	20.00	19.90		
1.4	256QAM	3	3	20.05	20.13	19.96		
1.4	256QAM	6	0	19.99	19.94	19.91	20.7	0

Band 38 Ant5 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.95	20.01	19.96	20.2	0
20	QPSK	1	49	19.88	19.95	19.92		
20	QPSK	1	99	19.91	19.88	19.85		
20	QPSK	50	0	19.88	19.98	19.88	20.2	0
20	QPSK	50	24	19.85	19.83	19.79		
20	QPSK	50	50	19.81	19.82	19.82		
20	QPSK	100	0	19.85	19.95	19.94		
20	16QAM	1	0	19.92	19.87	19.87	20.2	0
20	16QAM	1	49	19.83	19.87	19.90		
20	16QAM	1	99	19.85	19.84	19.80		
20	16QAM	50	0	19.84	19.88	19.79	20.2	0
20	16QAM	50	24	19.83	19.69	19.65		
20	16QAM	50	50	19.71	19.69	19.70		
20	16QAM	100	0	19.73	19.85	19.82		
20	64QAM	1	0	19.84	19.94	19.93	20.2	0
20	64QAM	1	49	19.85	19.88	19.89		
20	64QAM	1	99	19.89	19.79	19.75		
20	64QAM	50	0	19.77	19.92	19.77	20.2	0
20	64QAM	50	24	19.82	19.76	19.67		
20	64QAM	50	50	19.76	19.73	19.75		
20	64QAM	100	0	19.73	19.85	19.82		
20	256QAM	1	0	19.81	19.91	19.89	20.2	0
20	256QAM	1	49	19.81	19.88	19.82		
20	256QAM	1	99	19.87	19.78	19.78		
20	256QAM	50	0	19.80	19.96	19.86	20.2	0
20	256QAM	50	24	19.73	19.71	19.65		
20	256QAM	50	50	19.78	19.74	19.68		
20	256QAM	100	0	19.80	19.87	19.90		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.86	19.93	19.85	20.2	0
15	QPSK	1	37	19.83	19.89	19.84		
15	QPSK	1	74	19.85	19.85	19.73		
15	QPSK	36	0	19.82	19.85	19.77	20.2	0
15	QPSK	36	20	19.81	19.78	19.68		
15	QPSK	36	39	19.70	19.76	19.69		
15	QPSK	75	0	19.73	19.81	19.91		
15	16QAM	1	0	19.80	19.76	19.82	20.2	0
15	16QAM	1	37	19.79	19.75	19.83		
15	16QAM	1	74	19.72	19.81	19.76		
15	16QAM	36	0	19.71	19.75	19.75	20.2	0
15	16QAM	36	20	19.80	19.67	19.60		
15	16QAM	36	39	19.66	19.59	19.66		
15	16QAM	75	0	19.69	19.81	19.77		
15	64QAM	1	0	19.80	19.92	19.85	20.2	0
15	64QAM	1	37	19.79	19.85	19.75		
15	64QAM	1	74	19.77	19.74	19.64		
15	64QAM	36	0	19.69	19.86	19.74	20.2	0
15	64QAM	36	20	19.78	19.65	19.61		
15	64QAM	36	39	19.70	19.65	19.68		
15	64QAM	75	0	19.67	19.78	19.73		
15	256QAM	1	0	19.79	19.81	19.84	20.2	0
15	256QAM	1	37	19.79	19.82	19.72		
15	256QAM	1	74	19.75	19.75	19.74		
15	256QAM	36	0	19.68	19.92	19.81	20.2	0
15	256QAM	36	20	19.65	19.61	19.52		
15	256QAM	36	39	19.66	19.60	19.65		
15	256QAM	75	0	19.76	19.75	19.87		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.90	19.90	19.86	20.2	0
10	QPSK	1	25	19.84	19.86	19.88		
10	QPSK	1	49	19.83	19.75	19.82		
10	QPSK	25	0	19.84	19.87	19.84	20.2	0
10	QPSK	25	12	19.74	19.77	19.66		
10	QPSK	25	25	19.67	19.69	19.73		
10	QPSK	50	0	19.73	19.89	19.86		
10	16QAM	1	0	19.88	19.83	19.84	20.2	0
10	16QAM	1	25	19.72	19.73	19.78		
10	16QAM	1	49	19.75	19.71	19.70		
10	16QAM	25	0	19.79	19.77	19.76	20.2	0
10	16QAM	25	12	19.80	19.58	19.60		
10	16QAM	25	25	19.58	19.61	19.60		
10	16QAM	50	0	19.65	19.84	19.73		
10	64QAM	1	0	19.79	19.85	19.90	20.2	0
10	64QAM	1	25	19.80	19.75	19.81		
10	64QAM	1	49	19.82	19.73	19.70		
10	64QAM	25	0	19.71	19.78	19.70	20.2	0
10	64QAM	25	12	19.73	19.72	19.59		
10	64QAM	25	25	19.70	19.65	19.62		
10	64QAM	50	0	19.65	19.82	19.69		
10	256QAM	1	0	19.75	19.86	19.85	20.2	0
10	256QAM	1	25	19.72	19.86	19.68		
10	256QAM	1	49	19.75	19.71	19.65		
10	256QAM	25	0	19.75	19.90	19.82	20.2	0
10	256QAM	25	12	19.71	19.63	19.56		
10	256QAM	25	25	19.65	19.69	19.58		
10	256QAM	50	0	19.73	19.78	19.78		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.91	19.95	19.84	20.2	0
5	QPSK	1	12	19.81	19.84	19.80		
5	QPSK	1	24	19.85	19.75	19.80		
5	QPSK	12	0	19.80	19.92	19.74	20.2	0
5	QPSK	12	7	19.75	19.76	19.73		
5	QPSK	12	13	19.68	19.73	19.75		
5	QPSK	25	0	19.78	19.86	19.80		
5	16QAM	1	0	19.86	19.75	19.75	20.2	0
5	16QAM	1	12	19.89	19.75	19.86		
5	16QAM	1	24	19.74	19.76	19.75		
5	16QAM	12	0	19.76	19.81	19.72	20.2	0
5	16QAM	12	7	19.79	19.63	19.57		
5	16QAM	12	13	19.60	19.61	19.65		
5	16QAM	25	0	19.63	19.80	19.70		
5	64QAM	1	0	19.73	19.81	19.88	20.2	0
5	64QAM	1	12	19.76	19.80	19.77		
5	64QAM	1	24	19.76	19.72	19.69		
5	64QAM	12	0	19.74	19.88	19.67	20.2	0
5	64QAM	12	7	19.70	19.69	19.61		
5	64QAM	12	13	19.63	19.63	19.64		
5	64QAM	25	0	19.64	19.77	19.71		
5	256QAM	1	0	19.75	19.88	19.83	20.2	0
5	256QAM	1	12	19.78	19.76	19.71		
5	256QAM	1	24	19.85	19.75	19.70		
5	256QAM	12	0	19.68	19.83	19.79	20.2	0
5	256QAM	12	7	19.63	19.65	19.60		
5	256QAM	12	13	19.71	19.68	19.59		
5	256QAM	25	0	19.76	19.82	19.85		

Band 41 Ant5 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.10	18.12	18.15	18.09	18.08	18.7	0
20	QPSK	1	49	17.98	18.10	18.12	18.04	18.05		
20	QPSK	1	99	18.05	18.00	18.11	18.01	17.99		
20	QPSK	50	0	18.08	18.08	18.12	18.01	18.00	18.7	0
20	QPSK	50	24	18.04	17.99	18.09	17.97	18.03		
20	QPSK	50	50	18.01	18.01	18.10	18.02	17.95		
20	QPSK	100	0	18.05	18.07	18.10	18.06	17.99		
20	16QAM	1	0	17.97	17.99	18.08	17.96	17.97	18.7	0
20	16QAM	1	49	17.85	17.99	18.09	17.99	17.92		
20	16QAM	1	99	17.95	17.95	17.98	17.91	17.90		
20	16QAM	50	0	18.05	17.99	18.09	17.96	17.97	18.7	0
20	16QAM	50	24	17.99	17.93	17.98	17.93	18.01		
20	16QAM	50	50	17.87	17.91	18.04	17.99	17.86		
20	16QAM	100	0	17.95	18.01	18.07	17.95	17.95		
20	64QAM	1	0	18.01	18.00	18.01	17.98	18.02	18.7	0
20	64QAM	1	49	17.85	18.00	18.04	17.98	17.97		
20	64QAM	1	99	17.98	17.97	18.06	17.89	17.91		
20	64QAM	50	0	18.00	17.95	18.00	17.93	17.87	18.7	0
20	64QAM	50	24	17.99	17.94	18.04	17.91	17.89		
20	64QAM	50	50	17.98	17.91	18.05	17.90	17.88		
20	64QAM	100	0	18.02	17.94	18.03	18.01	17.90		
20	256QAM	1	0	17.96	18.09	18.08	17.99	17.94	18.7	0
20	256QAM	1	49	17.92	18.02	18.10	17.93	17.91		
20	256QAM	1	99	18.01	17.94	18.00	17.88	17.93		
20	256QAM	50	0	18.02	18.00	18.09	17.96	17.92	18.7	0
20	256QAM	50	24	17.95	17.92	18.02	17.86	17.97		
20	256QAM	50	50	17.97	17.91	17.98	17.91	17.85		
20	256QAM	100	0	18.02	17.98	18.03	17.99	17.86		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	17.99	18.02	18.09	17.96	17.99	19	0
15	QPSK	1	37	17.86	18.01	18.02	17.90	17.92		
15	QPSK	1	74	17.94	17.89	18.04	17.92	17.96		
15	QPSK	36	0	17.98	17.98	18.10	17.88	17.97	18.7	0
15	QPSK	36	20	17.98	17.94	18.02	17.85	17.98		
15	QPSK	36	39	17.90	17.98	17.96	17.94	17.82		
15	QPSK	75	0	17.95	18.01	17.98	18.03	17.91		
15	16QAM	1	0	17.85	17.89	17.99	17.92	17.89	18.7	0
15	16QAM	1	37	17.82	17.90	18.06	17.89	17.85		
15	16QAM	1	74	17.87	17.93	17.85	17.79	17.77		
15	16QAM	36	0	17.95	17.96	17.99	17.93	17.87	18.7	0
15	16QAM	36	20	17.88	17.88	17.90	17.88	17.94		
15	16QAM	36	39	17.75	17.77	17.95	17.96	17.77		
15	16QAM	75	0	17.93	17.96	17.95	17.89	17.91		
15	64QAM	1	0	17.93	17.94	17.89	17.91	17.99	18.7	0
15	64QAM	1	37	17.73	17.88	17.90	17.91	17.89		
15	64QAM	1	74	17.89	17.95	18.00	17.86	17.86		
15	64QAM	36	0	17.87	17.86	17.91	17.80	17.79	18.7	0
15	64QAM	36	20	17.94	17.92	17.99	17.88	17.75		
15	64QAM	36	39	17.85	17.86	17.99	17.85	17.86		
15	64QAM	75	0	17.97	17.87	17.90	17.97	17.80		
15	256QAM	1	0	17.87	18.05	18.02	17.87	17.92	18.7	0
15	256QAM	1	37	17.83	17.96	18.03	17.88	17.80		
15	256QAM	1	74	17.97	17.85	17.97	17.75	17.90		
15	256QAM	36	0	17.97	17.90	17.98	17.86	17.85	18.7	0
15	256QAM	36	20	17.92	17.79	17.90	17.80	17.85		
15	256QAM	36	39	17.85	17.84	17.88	17.81	17.72		
15	256QAM	75	0	17.93	17.80	17.96	17.88	17.73		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.07	18.05	18.08	17.96	17.98	19	0
10	QPSK	1	25	17.86	18.00	18.00	17.98	18.02		
10	QPSK	1	49	17.95	17.91	17.99	17.96	17.92		
10	QPSK	25	0	18.05	17.98	18.05	17.97	17.90	18.7	0
10	QPSK	25	12	18.00	17.93	18.05	17.83	18.01		
10	QPSK	25	25	17.92	17.95	17.99	17.97	17.83		
10	QPSK	50	0	17.93	17.95	17.99	18.03	17.90		
10	16QAM	1	0	17.93	17.97	18.04	17.90	17.88	18.7	0
10	16QAM	1	25	17.82	17.88	18.05	17.95	17.80		
10	16QAM	1	49	17.90	17.82	17.94	17.88	17.79		
10	16QAM	25	0	18.02	17.89	18.02	17.82	17.92	18.7	0
10	16QAM	25	12	17.94	17.81	17.92	17.84	17.97		
10	16QAM	25	25	17.80	17.81	17.91	17.88	17.82		
10	16QAM	50	0	17.86	17.98	17.95	17.89	17.87		
10	64QAM	1	0	17.90	17.89	17.97	17.95	17.89	18.7	0
10	64QAM	1	25	17.73	17.97	18.01	17.90	17.84		
10	64QAM	1	49	17.92	17.89	17.97	17.75	17.81		
10	64QAM	25	0	17.91	17.87	17.90	17.82	17.77	18.7	0
10	64QAM	25	12	17.87	17.83	17.92	17.83	17.83		
10	64QAM	25	25	17.91	17.79	17.99	17.84	17.79		
10	64QAM	50	0	17.94	17.82	17.95	17.98	17.82		
10	256QAM	1	0	17.87	17.97	18.05	17.96	17.88	18.7	0
10	256QAM	1	25	17.82	17.96	18.02	17.81	17.82		
10	256QAM	1	49	17.93	17.88	17.90	17.85	17.88		
10	256QAM	25	0	17.89	17.97	17.98	17.88	17.86	18.7	0
10	256QAM	25	12	17.92	17.80	17.99	17.73	17.91		
10	256QAM	25	25	17.84	17.81	17.92	17.81	17.80		
10	256QAM	50	0	17.93	17.88	17.99	17.87	17.76		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	17.97	18.09	18.07	17.98	17.95	19	0
5	QPSK	1	12	17.91	17.97	18.05	18.02	17.95		
5	QPSK	1	24	17.93	17.90	18.03	17.88	17.95		
5	QPSK	12	0	18.04	17.98	18.04	17.98	17.92	18.7	0
5	QPSK	12	7	17.92	17.94	18.01	17.92	18.01		
5	QPSK	12	13	17.90	17.90	17.99	17.97	17.93		
5	QPSK	25	0	18.01	18.03	18.03	18.03	17.88		
5	16QAM	1	0	17.94	17.86	17.97	17.87	17.91	18.7	0
5	16QAM	1	12	17.75	17.85	18.06	17.90	17.81		
5	16QAM	1	24	17.84	17.91	17.91	17.81	17.79		
5	16QAM	12	0	17.94	17.94	18.02	17.85	17.85	18.7	0
5	16QAM	12	7	17.87	17.86	17.84	17.87	17.94		
5	16QAM	12	13	17.74	17.86	18.00	17.96	17.83		
5	16QAM	25	0	17.82	17.87	17.98	17.91	17.88		
5	64QAM	1	0	17.99	18.04	17.96	17.95	17.95	18.7	0
5	64QAM	1	12	17.81	17.91	18.00	17.85	17.93		
5	64QAM	1	24	17.93	17.91	17.97	17.84	17.84		
5	64QAM	12	0	17.97	17.84	17.90	17.83	17.80	18.7	0
5	64QAM	12	7	17.94	17.82	17.97	17.78	17.79		
5	64QAM	12	13	17.86	17.81	17.94	17.77	17.84		
5	64QAM	25	0	18.00	17.89	17.91	17.87	17.83		
5	256QAM	1	0	17.86	18.01	17.96	17.92	17.84	18.7	0
5	256QAM	1	12	17.86	17.89	17.97	17.90	17.82		
5	256QAM	1	24	17.96	17.90	17.90	17.81	17.83		
5	256QAM	12	0	17.89	17.88	18.06	17.91	17.83	18.7	0
5	256QAM	12	7	17.92	17.85	17.96	17.80	17.88		
5	256QAM	12	13	17.90	17.82	17.87	17.89	17.77		
5	256QAM	25	0	17.99	17.86	18.01	17.89	17.81		

Band 42 Ant5 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	17.68	17.75	17.71	18.5	0
20	QPSK	1	49	17.56	17.65	17.61		
20	QPSK	1	99	17.61	17.64	17.68		
20	QPSK	50	0	17.56	17.73	17.66	18.5	0
20	QPSK	50	24	17.58	17.62	17.61		
20	QPSK	50	50	17.61	17.62	17.68		
20	QPSK	100	0	17.63	17.72	17.57		
20	16QAM	1	0	17.55	17.69	17.62	18.5	0
20	16QAM	1	49	17.44	17.57	17.50		
20	16QAM	1	99	17.53	17.60	17.60		
20	16QAM	50	0	17.53	17.69	17.52	18.5	0
20	16QAM	50	24	17.54	17.59	17.54		
20	16QAM	50	50	17.56	17.54	17.65		
20	16QAM	100	0	17.56	17.62	17.53		
20	64QAM	1	0	17.65	17.64	17.64	18.5	0
20	64QAM	1	49	17.49	17.53	17.50		
20	64QAM	1	99	17.47	17.53	17.64		
20	64QAM	50	0	17.43	17.67	17.64	18.5	0
20	64QAM	50	24	17.44	17.54	17.52		
20	64QAM	50	50	17.56	17.55	17.57		
20	64QAM	100	0	17.56	17.64	17.52		
20	256QAM	1	0	17.63	17.68	17.68	18.5	0
20	256QAM	1	49	17.47	17.59	17.51		
20	256QAM	1	99	17.52	17.56	17.64		
20	256QAM	50	0	17.53	17.68	17.53	18.5	0
20	256QAM	50	24	17.51	17.52	17.48		
20	256QAM	50	50	17.49	17.58	17.64		
20	256QAM	100	0	17.56	17.69	17.54		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	17.63	17.67	17.66	18.5	0
15	QPSK	1	37	17.51	17.62	17.55		
15	QPSK	1	74	17.59	17.57	17.55		
15	QPSK	36	0	17.48	17.61	17.60	18.5	0
15	QPSK	36	20	17.49	17.53	17.54		
15	QPSK	36	39	17.49	17.51	17.55		
15	QPSK	75	0	17.50	17.64	17.54		
15	16QAM	1	0	17.48	17.60	17.51	18.5	0
15	16QAM	1	37	17.41	17.46	17.42		
15	16QAM	1	74	17.41	17.58	17.47		
15	16QAM	36	0	17.46	17.65	17.49	18.5	0
15	16QAM	36	20	17.48	17.51	17.42		
15	16QAM	36	39	17.47	17.46	17.60		
15	16QAM	75	0	17.43	17.59	17.44		
15	64QAM	1	0	17.60	17.52	17.60	18.5	0
15	64QAM	1	37	17.36	17.46	17.37		
15	64QAM	1	74	17.38	17.50	17.55		
15	64QAM	36	0	17.38	17.61	17.57	18.5	0
15	64QAM	36	20	17.30	17.49	17.42		
15	64QAM	36	39	17.50	17.45	17.48		
15	64QAM	75	0	17.45	17.60	17.47		
15	256QAM	1	0	17.58	17.56	17.56	18.5	0
15	256QAM	1	37	17.36	17.56	17.39		
15	256QAM	1	74	17.42	17.47	17.55		
15	256QAM	36	0	17.42	17.56	17.45	18.5	0
15	256QAM	36	20	17.41	17.44	17.37		
15	256QAM	36	39	17.36	17.53	17.51		
15	256QAM	75	0	17.44	17.58	17.52		
Channel				42140	42540	42940	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	17.63	17.65	17.61	18.5	0
10	QPSK	1	25	17.53	17.52	17.49		
10	QPSK	1	49	17.54	17.52	17.64		
10	QPSK	25	0	17.45	17.71	17.53	18.5	0
10	QPSK	25	12	17.45	17.49	17.54		
10	QPSK	25	25	17.51	17.52	17.61		
10	QPSK	50	0	17.53	17.69	17.49		
10	16QAM	1	0	17.51	17.59	17.51	18.5	0
10	16QAM	1	25	17.31	17.45	17.47		
10	16QAM	1	49	17.41	17.48	17.58		
10	16QAM	25	0	17.47	17.56	17.46	18.5	0
10	16QAM	25	12	17.51	17.52	17.45		
10	16QAM	25	25	17.44	17.41	17.58		
10	16QAM	50	0	17.50	17.57	17.41		
10	64QAM	1	0	17.57	17.59	17.57	18.5	0
10	64QAM	1	25	17.45	17.48	17.36		
10	64QAM	1	49	17.36	17.44	17.57		
10	64QAM	25	0	17.34	17.56	17.51	18.5	0
10	64QAM	25	12	17.36	17.51	17.46		
10	64QAM	25	25	17.48	17.48	17.47		
10	64QAM	50	0	17.43	17.60	17.44		
10	256QAM	1	0	17.51	17.57	17.61	18.5	0
10	256QAM	1	25	17.38	17.51	17.38		
10	256QAM	1	49	17.41	17.49	17.58		
10	256QAM	25	0	17.39	17.62	17.48	18.5	0
10	256QAM	25	12	17.43	17.45	17.37		
10	256QAM	25	25	17.37	17.46	17.54		
10	256QAM	50	0	17.52	17.64	17.40		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	17.55	17.69	17.68	18.5	0
5	QPSK	1	12	17.52	17.57	17.57		
5	QPSK	1	24	17.55	17.57	17.61		
5	QPSK	12	0	17.46	17.71	17.59	18.5	0
5	QPSK	12	7	17.50	17.51	17.57		
5	QPSK	12	13	17.52	17.57	17.55		
5	QPSK	25

GSM1900 Ant4 DSI 5

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.08	26.92	27.01	28.50	18.08	17.92	18.01	19.50
GPRS 1 Tx slot	27.11	27.00	27.08	28.50	18.11	18.00	18.08	19.50
GPRS 2 Tx slots	23.89	24.10	23.75	25.50	17.89	18.10	17.75	19.50
GPRS 3 Tx slots	22.10	22.17	21.87	23.70	17.84	17.91	17.61	19.44
GPRS 4 Tx slots	20.63	20.74	20.58	22.50	17.63	17.74	17.58	19.50
EDGE 1 Tx slot	23.25	23.23	23.27	25.20	14.25	14.23	14.27	16.20
EDGE 2 Tx slots	20.57	20.52	20.35	22.20	14.57	14.52	14.35	16.20
EDGE 3 Tx slots	18.78	18.97	18.74	20.40	14.52	14.71	14.48	16.14
EDGE 4 Tx slots	17.25	17.31	17.22	19.20	14.25	14.31	14.22	16.20

WCDMA II Ant4 DSI 5 WCDMA IV Ant4 DSI 5

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	16.50	16.75	16.74	18.20	16.15	16.22	16.14	17.90
3GPP Rel 99	RMC 12.2Kbps	16.69	16.78	16.72	18.20	16.17	16.25	16.20	17.90
3GPP Rel 6	HSDPA Subtest-1	15.64	15.91	15.84	17.20	15.06	15.24	15.32	16.90
3GPP Rel 6	HSDPA Subtest-2	15.71	15.95	15.82	17.20	15.01	15.25	15.32	16.90
3GPP Rel 6	HSDPA Subtest-3	15.17	15.45	15.35	16.70	14.57	14.76	14.75	16.40
3GPP Rel 6	HSDPA Subtest-4	15.19	15.43	15.34	16.70	14.61	14.86	14.72	16.40
3GPP Rel 8	DC-HSDPA Subtest-1	15.71	15.91	15.81	17.20	15.04	15.29	15.28	16.90
3GPP Rel 8	DC-HSDPA Subtest-2	15.63	15.88	15.85	17.20	14.97	15.25	15.28	16.90
3GPP Rel 8	DC-HSDPA Subtest-3	15.22	15.34	15.39	16.70	14.60	14.86	14.74	16.40
3GPP Rel 8	DC-HSDPA Subtest-4	15.13	15.34	15.38	16.70	14.52	14.73	14.77	16.40
3GPP Rel 6	HSUPA Subtest-1	15.69	15.90	15.93	17.20	15.11	15.25	15.29	16.90
3GPP Rel 6	HSUPA Subtest-2	13.73	13.93	13.89	15.20	13.09	13.32	13.17	14.90
3GPP Rel 6	HSUPA Subtest-3	14.72	14.84	14.90	16.20	14.04	14.37	14.32	15.90
3GPP Rel 6	HSUPA Subtest-4	13.68	13.94	13.86	15.20	13.07	13.36	13.24	14.90
3GPP Rel 6	HSUPA Subtest-5	15.63	15.86	15.84	17.20	15.03	15.33	15.22	16.90
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.23	13.38	13.37	14.70	12.57	12.78	12.75	14.40

Band 2 Ant4 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	16.73	16.77	16.71		
20	QPSK	1	49	16.69	16.66	16.59	18.2	0
20	QPSK	1	99	16.68	16.67	16.61		
20	QPSK	50	0	16.66	16.73	16.67		
20	QPSK	50	24	16.69	16.65	16.60	18.2	0
20	QPSK	50	50	16.61	16.65	16.60		
20	QPSK	100	0	16.62	16.72	16.61		
20	16QAM	1	0	16.68	16.65	16.63		
20	16QAM	1	49	16.58	16.57	16.55	18.2	0
20	16QAM	1	99	16.64	16.59	16.50		
20	16QAM	50	0	16.61	16.66	16.63		
20	16QAM	50	24	16.60	16.55	16.56	18.2	0
20	16QAM	50	50	16.53	16.59	16.55		
20	16QAM	100	0	16.51	16.69	16.47		
20	64QAM	1	0	16.61	16.71	16.62		
20	64QAM	1	49	16.57	16.59	16.48	18.2	0
20	64QAM	1	99	16.58	16.62	16.55		
20	64QAM	50	0	16.58	16.64	16.58		
20	64QAM	50	24	16.61	16.58	16.52	18.2	0
20	64QAM	50	50	16.53	16.62	16.48		
20	64QAM	100	0	16.59	16.62	16.56		
20	256QAM	1	0	16.21	16.23	16.20		
20	256QAM	1	49	16.20	16.17	16.05	17.7	0.5
20	256QAM	1	99	16.24	16.20	16.05		
20	256QAM	50	0	16.15	16.29	16.16		
20	256QAM	50	24	16.14	16.10	16.08	17.7	0.5
20	256QAM	50	50	16.12	16.20	16.05		
20	256QAM	100	0	16.12	16.19	16.13		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	16.69	16.70	16.60		
15	QPSK	1	37	16.65	16.57	16.53	18.2	0
15	QPSK	1	74	16.57	16.63	16.52		
15	QPSK	36	0	16.62	16.64	16.60		
15	QPSK	36	20	16.62	16.61	16.57	18.2	0
15	QPSK	36	39	16.54	16.59	16.53		
15	QPSK	75	0	16.53	16.69	16.51		
15	16QAM	1	0	16.60	16.61	16.61		
15	16QAM	1	37	16.50	16.46	16.42	18.2	0
15	16QAM	1	74	16.59	16.46	16.45		
15	16QAM	36	0	16.56	16.62	16.60		
15	16QAM	36	20	16.49	16.41	16.42	18.2	0
15	16QAM	36	39	16.45	16.55	16.48		
15	16QAM	75	0	16.47	16.59	16.33		
15	64QAM	1	0	16.53	16.58	16.50		
15	64QAM	1	37	16.44	16.56	16.44	18.2	0
15	64QAM	1	74	16.54	16.53	16.46		
15	64QAM	36	0	16.54	16.55	16.54		
15	64QAM	36	20	16.54	16.48	16.39	18.2	0
15	64QAM	36	39	16.48	16.52	16.43		
15	64QAM	75	0	16.46	16.57	16.44		
15	256QAM	1	0	16.07	16.19	16.06		
15	256QAM	1	37	16.13	16.03	15.93	17.7	0.5
15	256QAM	1	74	16.21	16.07	16.02		
15	256QAM	36	0	16.10	16.19	16.09		
15	256QAM	36	20	16.01	16.00	15.95	17.7	0.5
15	256QAM	36	39	16.05	16.13	15.95		
15	256QAM	75	0	16.05	16.15	16.03		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	16.64	16.70	16.61		
10	QPSK	1	25	16.59	16.56	16.54	18.2	0
10	QPSK	1	49	16.65	16.55	16.57		
10	QPSK	25	0	16.58	16.59	16.54		
10	QPSK	25	12	16.67	16.57	16.46	18.2	0
10	QPSK	25	25	16.49	16.60	16.50		
10	QPSK	50	0	16.60	16.64	16.54		
10	16QAM	1	0	16.64	16.53	16.57		
10	16QAM	1	25	16.55	16.44	16.52	18.2	0
10	16QAM	1	49	16.50	16.53	16.38		
10	16QAM	25	0	16.55	16.63	16.54		
10	16QAM	25	12	16.48	16.43	16.50	18.2	0
10	16QAM	25	25	16.50	16.52	16.47		
10	16QAM	50	0	16.46	16.51	16.37		
10	64QAM	1	0	16.48	16.62	16.51		
10	64QAM	1	25	16.52	16.49	16.38	18.2	0
10	64QAM	1	49	16.49	16.55	16.42		
10	64QAM	25	0	16.48	16.59	16.48		
10	64QAM	25	12	16.57	16.48	16.44	18.2	0
10	64QAM	25	25	16.41	16.50	16.41		
10	64QAM	50	0	16.46	16.56	16.50		
10	256QAM	1	0	16.08	16.12	16.06		
10	256QAM	1	25	16.12	16.13	16.00	17.7	0.5
10	256QAM	1	49	16.13	16.09	15.94		
10	256QAM	25	0	16.08	16.21	16.02		
10	256QAM	25	12	16.08	16.05	16.03	17.7	0.5
10	256QAM	25	25	15.99	16.09	15.98		
10	256QAM	50	0	15.99	16.09	16.04		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	16.63	16.65	16.68		
5	QPSK	1	12	16.55	16.63	16.49	18.2	0
5	QPSK	1	24	16.57	16.64	16.54		
5	QPSK	12	0	16.54	16.70	16.58		
5	QPSK	12	7	16.61	16.53	16.49	18.2	0
5	QPSK	12	13	16.58	16.59	16.51		
5	QPSK	25	0	16.58	16.63	16.56		
5	16QAM	1	0	16.58	16.58	16.52		
5	16QAM	1	12	16.47	16.53	16.49	18.2	0
5	16QAM	1	24	16.57	16.56	16.39		
5	16QAM	12	0	16.49	16.63	16.55		
5	16QAM	12	7	16.53	16.51	16.42	18.2	0
5	16QAM	12	13	16.50	16.53	16.47		
5	16QAM	25	0	16.46	16.58	16.39		
5	64QAM	1	0	16.54	16.66	16.51		
5	64QAM	1	12	16.43	16.54	16.42	18.2	0
5	64QAM	1	24	16.53	16.59	16.47		
5	64QAM	12	0	16.56	16.53	16.49		
5	64QAM	12	7	16.57	16.47	16.44	18.2	0
5	64QAM	12	13	16.47	16.58	16.43		
5	64QAM	25	0	16.56	16.49	16.52		
5	256QAM	1	0	16.17	16.19	16.16		
5	256QAM	1	12	16.08	16.04	16.02	17.7	0.5
5	256QAM	1	24	16.19	16.09	16.00		
5	256QAM	12	0	16.03	16.22	16.04		
5	256QAM	12	7	16.08	15.98	15.98	17.7	0.5
5	256QAM	12	13	16.07	16.08	15.94		
5	256QAM	25	0	16.00	16.16	16.03		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	16.60	16.68	16.57		
3	QPSK	1	8	16.62	16.57	16.57	18.2	0
3	QPSK	1	14	16.58	16.61	16.54		
3	QPSK	8	0	16.54	16.67	16.61		
3	QPSK	8	4	16.63	16.52	16.55	18.2	0
3	QPSK	8	7	16.54	16.55	16.52		
3	QPSK	15	0	16.56	16.62	16.48		
3	16QAM	1	0	16.66	16.61	16.59		
3	16QAM	1	8	16.48	16.44	16.47	18.2	0
3	16QAM	1	14	16.57	16.57	16.42		
3	16QAM	8	0	16.52	16.57	16.57		
3	16QAM	8	4	16.47	16.52	16.43	18.2	0
3	16QAM	8	7	16.51	16.49	16.51		
3	16QAM	15	0	16.45	16.61	16.36		
3	64QAM	1	0	16.55	16.69	16.59		
3	64QAM	1	8	16.44	16.45	16.34	18.2	0
3	64QAM	1	14	16.56	16.55	16.46		
3	64QAM	8	0	16.45	16.51	16.46		
3	64QAM	8	4	16.48	16.49	16.41	18.2	0
3	64QAM	8	7	16.46	16.57	16.37		
3	64QAM	15	0	16.47	16.49	16.45		
3	256QAM	1	0	16.18	16.20	16.16		
3	256QAM	1	8	16.17	16.08	15.96	17.7	0.5
3	256QAM	1	14	16.17	16.10	15.91		
3	256QAM	8	0	16.07	16.18	16.02		
3	256QAM	8	4	16.09	15.99	16.04	17.7	0.5
3	256QAM	8	7	16.10	16.14	15.99		
3	256QAM	15	0	16.02	16.10	16.08		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	16.68	16.71	16.65		
1.4	QPSK	1	3	16.64	16.58	16.51		
1.4	QPSK	1	5	16.64	16.58	16.48	18.2	0
1.4	QPSK	3	0	16.55	16.65	16.60		
1.4	QPSK	3	1	16.57	16.62	16.57		
1.4	QPSK	3	3	16.48	16.61	16.55		
1.4	QPSK	6	0	16.51	16.60	16.53	18.2	0
1.4	16QAM	1	0	16.63	16.51	16.57		
1.4	16QAM	1	3	16.47	16.55	16.51		
1.4	16QAM	1	5	16.51	16.52	16.43	18.2	0
1.4	16QAM	3	0	16.48	16.57	16.53		
1.4	16QAM	3	1	16.47	16.46	16.44		
1.4	16QAM	3	3	16.49	16.53	16.50		
1.4	16QAM	6	0	16.43	16.62	16.41	18.2	0
1.4	64QAM	1	0	16.50	16.57	16.53		
1.4	64QAM	1	3	16.46	16.54	16.41		
1.4	64QAM	1	5	16.54	16.50	16.52	18.2	0
1.4	64QAM	3	0	16.53	16.58	16.56		
1.4	64QAM	3	1	16.56	16.52	16.44		
1.4	64QAM	3	3	16.41	16.57	16.43		
1.4	64QAM	6	0	16.51	16.58	16.49	18.2	0
1.4	256QAM	1	0	16.10	16.15	16.14		
1.4	256QAM	1	3	16.11	16.09	16.01		
1.4	256QAM	1	5	16.15	16.16	15.91	17.7	0.5
1.4	256QAM	3	0	16.04	16.19	16.12		
1.4	256QAM	3	1	16.07	15.98	16.05		
1.4	256QAM	3	3	15.99	16.07	15.92		
1.4	256QAM	6	0	16.00	16.12	16.07	17.7	0.5

Band 4 Ant4 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	14.77	14.80	14.75		
20	QPSK	1	49	14.72	14.72	14.69	15.9	0
20	QPSK	1	99	14.71	14.74	14.67		
20	QPSK	50	0	14.64	14.77	14.73		
20	QPSK	50	24	14.68	14.75	14.72	15.9	0
20	QPSK	50	50	14.75	14.69	14.66		
20	QPSK	100	0	14.69	14.75	14.72		
20	16QAM	1	0	14.71	14.70	14.71		
20	16QAM	1	49	14.59	14.69	14.64	15.9	0
20	16QAM	1	99	14.67	14.66	14.64		
20	16QAM	50	0	14.51	14.65	14.62		
20	16QAM	50	24	14.57	14.66	14.62	15.9	0
20	16QAM	50	50	14.68	14.57	14.63		
20	16QAM	100	0	14.63	14.68	14.67		
20	64QAM	1	0	14.67	14.72	14.65		
20	64QAM	1	49	14.60	14.69	14.57	15.9	0
20	64QAM	1	99	14.64	14.72	14.55		
20	64QAM	50	0	14.54	14.69	14.69		
20	64QAM	50	24	14.60	14.61	14.68	15.9	0
20	64QAM	50	50	14.71	14.67	14.60		
20	64QAM	100	0	14.59	14.69	14.67		
20	256QAM	1	0	14.68	14.73	14.64		
20	256QAM	1	49	14.66	14.63	14.59	15.9	0
20	256QAM	1	99	14.57	14.70	14.58		
20	256QAM	50	0	14.54	14.70	14.71		
20	256QAM	50	24	14.54	14.63	14.68	15.9	0
20	256QAM	50	50	14.65	14.55	14.54		
20	256QAM	100	0	14.63	14.63	14.66		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	14.72	14.78	14.68		
15	QPSK	1	37	14.65	14.60	14.66	15.9	0
15	QPSK	1	74	14.60	14.64	14.57		
15	QPSK	36	0	14.59	14.71	14.62		
15	QPSK	36	20	14.62	14.65	14.67	15.9	0
15	QPSK	36	39	14.72	14.61	14.62		
15	QPSK	75	0	14.59	14.69	14.62		
15	16QAM	1	0	14.67	14.65	14.61		
15	16QAM	1	37	14.50	14.56	14.59	15.9	0
15	16QAM	1	74	14.61	14.59	14.58		
15	16QAM	36	0	14.47	14.53	14.53		
15	16QAM	36	20	14.43	14.55	14.49	15.9	0
15	16QAM	36	39	14.63	14.43	14.51		
15	16QAM	75	0	14.55	14.58	14.63		
15	64QAM	1	0	14.55	14.62	14.59		
15	64QAM	1	37	14.51	14.62	14.50	15.9	0
15	64QAM	1	74	14.52	14.60	14.52		
15	64QAM	36	0	14.50	14.57	14.67		
15	64QAM	36	20	14.57	14.50	14.62	15.9	0
15	64QAM	36	39	14.62	14.57	14.54		
15	64QAM	75	0	14.50	14.57	14.57		
15	256QAM	1	0	14.55	14.61	14.53		
15	256QAM	1	37	14.53	14.53	14.52	15.9	0
15	256QAM	1	74	14.51	14.63	14.51		
15	256QAM	36	0	14.48	14.59	14.63		
15	256QAM	36	20	14.46	14.49	14.62	15.9	0
15	256QAM	36	39	14.61	14.45	14.46		
15	256QAM	75	0	14.54	14.52	14.57		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	14.73	14.69	14.61		
10	QPSK	1	25	14.59	14.63	14.66	15.9	0
10	QPSK	1	49	14.60	14.72	14.63		
10	QPSK	25	0	14.51	14.69	14.59		
10	QPSK	25	12	14.59	14.71	14.59	15.9	0
10	QPSK	25	25	14.71	14.64	14.63		
10	QPSK	50	0	14.58	14.68	14.63		
10	16QAM	1	0	14.62	14.57	14.59		
10	16QAM	1	25	14.55	14.62	14.60	15.9	0
10	16QAM	1	49	14.55	14.61	14.54		
10	16QAM	25	0	14.42	14.59	14.59		
10	16QAM	25	12	14.46	14.63	14.50	15.9	0
10	16QAM	25	25	14.63	14.51	14.55		
10	16QAM	50	0	14.60	14.62	14.64		
10	64QAM	1	0	14.56	14.60	14.55		
10	64QAM	1	25	14.49	14.60	14.43	15.9	0
10	64QAM	1	49	14.53	14.63	14.48		
10	64QAM	25	0	14.44	14.61	14.59		
10	64QAM	25	12	14.51	14.48	14.57	15.9	0
10	64QAM	25	25	14.68	14.54	14.57		
10	64QAM	50	0	14.52	14.58	14.57		
10	256QAM	1	0	14.54	14.60	14.61		
10	256QAM	1	25	14.59	14.50	14.46	15.9	0
10	256QAM	1	49	14.49	14.64	14.55		
10	256QAM	25	0	14.46	14.66	14.64		
10	256QAM	25	12	14.50	14.50	14.56	15.9	0
10	256QAM	25	25	14.59	14.42	14.43		
10	256QAM	50	0	14.50	14.60	14.57		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	14.68	14.70	14.66		
5	QPSK	1	12	14.60	14.64	14.62	15.9	0
5	QPSK	1	24	14.58	14.65	14.58		
5	QPSK	12	0	14.56	14.65	14.65		
5	QPSK	12	7	14.56	14.73	14.60	15.9	0
5	QPSK	12	13	14.66	14.55	14.60		
5	QPSK	25	0	14.65	14.62	14.62		
5	16QAM	1	0	14.63	14.58	14.69		
5	16QAM	1	12	14.52	14.56	14.61	15.9	0
5	16QAM	1	24	14.57	14.63	14.51		
5	16QAM	12	0	14.47	14.62	14.54		
5	16QAM	12	7	14.53	14.60	14.53	15.9	0
5	16QAM	12	13	14.60	14.53	14.52		
5	16QAM	25	0	14.60	14.56	14.64		
5	64QAM	1	0	14.58	14.59	14.53		
5	64QAM	1	12	14.47	14.56	14.45	15.9	0
5	64QAM	1	24	14.61	14.63	14.44		
5	64QAM	12	0	14.46	14.56	14.61		
5	64QAM	12	7	14.57	14.48	14.55	15.9	0
5	64QAM	12	13	14.59	14.54	14.50		
5	64QAM	25	0	14.53	14.60	14.64		
5	256QAM	1	0	14.65	14.60	14.59		
5	256QAM	1	12	14.64	14.50	14.54	15.9	0
5	256QAM	1	24	14.54	14.57	14.54		
5	256QAM	12	0	14.44	14.57	14.60		
5	256QAM	12	7	14.44	14.49	14.62	15.9	0
5	256QAM	12	13	14.59	14.52	14.50		
5	256QAM	25	0	14.54	14.49	14.62		
Channel				19950	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	14.64	14.76	14.72		
3	QPSK	1	8	14.68	14.60	14.66	15.9	0
3	QPSK	1	14	14.69	14.67	14.61		
3	QPSK	8	0	14.54	14.68	14.69		
3	QPSK	8	4	14.65	14.71	14.60	15.9	0
3	QPSK	8	7	14.65	14.64	14.57		
3	QPSK	15	0	14.60	14.68	14.61		
3	16QAM	1	0	14.58	14.66	14.66		
3	16QAM	1	8	14.48	14.65	14.54	15.9	0
3	16QAM	1	14	14.62	14.53	14.57		
3	16QAM	8	0	14.42	14.62	14.52		
3	16QAM	8	4	14.46	14.63	14.49	15.9	0
3	16QAM	8	7	14.62	14.50	14.52		
3	16QAM	15	0	14.58	14.57	14.64		
3	64QAM	1	0	14.55	14.64	14.53		
3	64QAM	1	8	14.54	14.63	14.50	15.9	0
3	64QAM	1	14	14.51	14.65	14.48		
3	64QAM	8	0	14.49	14.67	14.63		
3	64QAM	8	4	14.53	14.53	14.57	15.9	0
3	64QAM	8	7	14.63	14.57	14.49		
3	64QAM	15	0	14.58	14.64	14.59		
3	256QAM	1	0	14.58	14.62	14.52		
3	256QAM	1	8	14.56	14.51	14.49	15.9	0
3	256QAM	1	14	14.45	14.62	14.45		
3	256QAM	8	0	14.41	14.61	14.65		
3	256QAM	8	4	14.52	14.53	14.65	15.9	0
3	256QAM	8	7	14.53	14.53	14.41		
3	256QAM	15	0	14.58	14.51	14.53		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	14.68	14.74	14.63		
1.4	QPSK	1	3	14.65	14.64	14.64		
1.4	QPSK	1	5	14.64	14.70	14.64	15.9	0
1.4	QPSK	3	0	14.54	14.70	14.65		
1.4	QPSK	3	1	14.55	14.62	14.58		
1.4	QPSK	3	3	14.61	14.63	14.55		
1.4	QPSK	6	0	14.59	14.61	14.69	15.9	0
1.4	16QAM	1	0	14.66	14.64	14.60		
1.4	16QAM	1	3	14.52	14.57	14.50		
1.4	16QAM	1	5	14.64	14.60	14.61	15.9	0
1.4	16QAM	3	0	14.46	14.58	14.51		
1.4	16QAM	3	1	14.44	14.55	14.59		
1.4	16QAM	3	3	14.60	14.49	14.51		
1.4	16QAM	6	0	14.50	14.64	14.61	15.9	0
1.4	64QAM	1	0	14.65	14.66	14.59		
1.4	64QAM	1	3	14.49	14.66	14.49		
1.4	64QAM	1	5	14.58	14.65	14.45	15.9	0
1.4	64QAM	3	0	14.41	14.59	14.66		
1.4	64QAM	3	1	14.48	14.58	14.54		
1.4	64QAM	3	3	14.60	14.59	14.55		
1.4	64QAM	6	0	14.55	14.64	14.59	15.9	0
1.4	256QAM	1	0	14.66	14.68	14.59		
1.4	256QAM	1	3	14.63	14.61	14.48		
1.4	256QAM	1	5	14.47	14.62	14.48	15.9	0
1.4	256QAM	3	0	14.47	14.64	14.62		
1.4	256QAM	3	1	14.51	14.61	14.58		
1.4	256QAM	3	3	14.63	14.41	14.46		
1.4	256QAM	6	0	14.57	14.54	14.63	15.9	0

Band 7 Ant4 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.55	16.60	16.54		
20	QPSK	1	49	16.46	16.53	16.48	17.9	0
20	QPSK	1	99	16.46	16.54	16.43		
20	QPSK	50	0	16.49	16.57	16.51		
20	QPSK	50	24	16.50	16.51	16.47	17.9	0
20	QPSK	50	50	16.41	16.56	16.50		
20	QPSK	100	0	16.50	16.55	16.46		
20	16QAM	1	0	16.43	16.47

Band 25 Ant4 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	16.53	16.56	16.50		
20	QPSK	1	49	16.48	16.50	16.39	18.3	0
20	QPSK	1	99	16.48	16.44	16.43		
20	QPSK	50	0	16.49	16.52	16.41		
20	QPSK	50	24	16.48	16.46	16.36	18.3	0
20	QPSK	50	50	16.46	16.49	16.44		
20	QPSK	100	0	16.49	16.50	16.44		
20	16QAM	1	0	16.47	16.43	16.43		
20	16QAM	1	49	16.40	16.48	16.34	18.3	0
20	16QAM	1	99	16.45	16.42	16.40		
20	16QAM	50	0	16.43	16.46	16.37		
20	16QAM	50	24	16.45	16.41	16.31	18.3	0
20	16QAM	50	50	16.39	16.47	16.42		
20	16QAM	100	0	16.44	16.42	16.39		
20	64QAM	1	0	16.43	16.46	16.43		
20	64QAM	1	49	16.39	16.44	16.30	18.3	0
20	64QAM	1	99	16.37	16.37	16.36		
20	64QAM	50	0	16.38	16.40	16.36		
20	64QAM	50	24	16.46	16.37	16.32	18.3	0
20	64QAM	50	50	16.40	16.43	16.41		
20	64QAM	100	0	16.45	16.39	16.30		
20	256QAM	1	0	15.48	15.51	15.53		
20	256QAM	1	49	15.52	15.45	15.34	17.3	1
20	256QAM	1	99	15.52	15.41	15.49		
20	256QAM	50	0	15.48	15.46	15.38		
20	256QAM	50	24	15.48	15.43	15.34	17.3	1
20	256QAM	50	50	15.42	15.44	15.46		
20	256QAM	100	0	15.46	15.51	15.49		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	16.45	16.52	16.41		
15	QPSK	1	37	16.44	16.43	16.37	18.3	0
15	QPSK	1	74	16.46	16.41	16.35		
15	QPSK	36	0	16.50	16.47	16.43		
15	QPSK	36	20	16.46	16.43	16.30	18.3	0
15	QPSK	36	39	16.41	16.44	16.42		
15	QPSK	75	0	16.49	16.43	16.45		
15	16QAM	1	0	16.39	16.38	16.42		
15	16QAM	1	37	16.39	16.46	16.33	18.3	0
15	16QAM	1	74	16.40	16.43	16.42		
15	16QAM	36	0	16.35	16.43	16.33		
15	16QAM	36	20	16.47	16.36	16.32	18.3	0
15	16QAM	36	39	16.32	16.48	16.38		
15	16QAM	75	0	16.44	16.41	16.39		
15	64QAM	1	0	16.36	16.48	16.41		
15	64QAM	1	37	16.41	16.36	16.37	18.3	0
15	64QAM	1	74	16.37	16.35	16.37		
15	64QAM	36	0	16.40	16.38	16.35		
15	64QAM	36	20	16.44	16.31	16.36	18.3	0
15	64QAM	36	39	16.31	16.43	16.41		
15	64QAM	75	0	16.45	16.39	16.32		
15	256QAM	1	0	15.42	15.44	15.51		
15	256QAM	1	37	15.54	15.38	15.31	17.3	1
15	256QAM	1	74	15.48	15.40	15.49		
15	256QAM	36	0	15.42	15.47	15.32		
15	256QAM	36	20	15.46	15.42	15.35	17.3	1
15	256QAM	36	39	15.41	15.43	15.41		
15	256QAM	75	0	15.42	15.48	15.48		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	16.51	16.50	16.49		
10	QPSK	1	25	16.49	16.43	16.41	18.3	0
10	QPSK	1	49	16.40	16.38	16.35		
10	QPSK	25	0	16.45	16.45	16.40		
10	QPSK	25	13	16.49	16.40	16.38	18.3	0
10	QPSK	25	25	16.43	16.41	16.41		
10	QPSK	50	0	16.46	16.45	16.45		
10	16QAM	1	0	16.41	16.37	16.35		
10	16QAM	1	25	16.39	16.47	16.35	18.3	0
10	16QAM	1	49	16.40	16.37	16.34		
10	16QAM	25	0	16.45	16.47	16.33		
10	16QAM	25	12	16.45	16.32	16.30	18.3	0
10	16QAM	25	25	16.38	16.38	16.40		
10	16QAM	50	0	16.42	16.38	16.31		
10	64QAM	1	0	16.46	16.46	16.37		
10	64QAM	1	25	16.33	16.44	16.42	18.3	0
10	64QAM	1	49	16.31	16.31	16.46		
10	64QAM	25	0	16.41	16.37	16.38		
10	64QAM	25	12	16.41	16.32	16.23	18.3	0
10	64QAM	25	25	16.35	16.41	16.36		
10	64QAM	50	0	16.47	16.31	16.28		
10	256QAM	1	0	15.50	15.50	15.55		
10	256QAM	1	25	15.47	15.46	15.33	17.3	1
10	256QAM	1	49	15.54	15.41	15.51		
10	256QAM	25	0	15.42	15.45	15.39		
10	256QAM	25	13	15.39	15.42	15.37	17.3	1
10	256QAM	25	25	15.34	15.45	15.45		
10	256QAM	50	0	15.45	15.47	15.50		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	16.49	16.49	16.42		
5	QPSK	1	12	16.44	16.44	16.37	18.3	0
5	QPSK	1	24	16.46	16.46	16.46		
5	QPSK	12	0	16.48	16.54	16.33		
5	QPSK	12	7	16.44	16.39	16.35	18.3	0
5	QPSK	12	13	16.38	16.49	16.41		
5	QPSK	25	0	16.45	16.48	16.45		
5	16QAM	1	0	16.50	16.42	16.36		
5	16QAM	1	12	16.40	16.49	16.34	18.3	0
5	16QAM	1	24	16.44	16.41	16.38		
5	16QAM	12	0	16.40	16.40	16.36		
5	16QAM	12	7	16.46	16.33	16.44	18.3	0
5	16QAM	12	13	16.35	16.44	16.42		
5	16QAM	25	0	16.37	16.42	16.37		
5	64QAM	1	0	16.35	16.46	16.40		
5	64QAM	1	12	16.42	16.36	16.35	18.3	0
5	64QAM	1	24	16.36	16.30	16.37		
5	64QAM	12	0	16.46	16.31	16.34		
5	64QAM	12	7	16.37	16.36	16.24	18.3	0
5	64QAM	12	13	16.34	16.38	16.42		
5	64QAM	25	0	16.47	16.31	16.32		
5	256QAM	1	0	15.49	15.47	15.45		
5	256QAM	1	12	15.48	15.40	15.32	17.3	1
5	256QAM	1	24	15.52	15.39	15.42		
5	256QAM	12	0	15.43	15.42	15.39		
5	256QAM	12	7	15.40	15.43	15.35	17.3	1
5	256QAM	12	13	15.34	15.38	15.47		
5	256QAM	25	0	15.44	15.50	15.47		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	16.53	16.50	16.42		
3	QPSK	1	8	16.50	16.53	16.38	18.3	0
3	QPSK	1	14	16.39	16.39	16.41		
3	QPSK	8	0	16.43	16.53	16.36		
3	QPSK	8	4	16.43	16.45	16.36	18.3	0
3	QPSK	8	7	16.39	16.45	16.41		
3	QPSK	15	0	16.43	16.43	16.41		
3	16QAM	1	0	16.41	16.38	16.43		
3	16QAM	1	8	16.34	16.40	16.41	18.3	0
3	16QAM	1	14	16.46	16.44	16.34		
3	16QAM	8	0	16.37	16.38	16.30		
3	16QAM	8	4	16.47	16.41	16.37	18.3	0
3	16QAM	8	7	16.41	16.43	16.41		
3	16QAM	15	0	16.40	16.38	16.36		
3	64QAM	1	0	16.40	16.40	16.39		
3	64QAM	1	8	16.38	16.42	16.32	18.3	0
3	64QAM	1	14	16.36	16.39	16.40		
3	64QAM	8	0	16.39	16.37	16.36		
3	64QAM	8	4	16.47	16.39	16.26	18.3	0
3	64QAM	8	7	16.37	16.35	16.37		
3	64QAM	15	0	16.47	16.33	16.22		
3	256QAM	1	0	15.51	15.44	15.53		
3	256QAM	1	8	15.53	15.46	15.36	17.3	1
3	256QAM	1	14	15.50	15.39	15.43		
3	256QAM	8	0	15.48	15.42	15.32		
3	256QAM	8	4	15.51	15.39	15.34	17.3	1
3	256QAM	8	7	15.38	15.37	15.39		
3	256QAM	15	0	15.47	15.46	15.48		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	16.52	16.53	16.45		
1.4	QPSK	1	3	16.46	16.52	16.39		
1.4	QPSK	1	5	16.46	16.38	16.40	18.3	0
1.4	QPSK	3	0	16.45	16.44	16.41		
1.4	QPSK	3	1	16.45	16.44	16.31		
1.4	QPSK	3	3	16.46	16.41	16.45		
1.4	QPSK	6	0	16.44	16.49	16.36	18.3	0
1.4	16QAM	1	0	16.44	16.40	16.42		
1.4	16QAM	1	3	16.41	16.47	16.44		
1.4	16QAM	1	5	16.47	16.39	16.31	18.3	0
1.4	16QAM	3	0	16.38	16.49	16.33		
1.4	16QAM	3	1	16.43	16.37	16.38		
1.4	16QAM	3	3	16.35	16.48	16.43		
1.4	16QAM	6	0	16.46	16.38	16.35	18.3	0
1.4	64QAM	1	0	16.45	16.48	16.36		
1.4	64QAM	1	3	16.30	16.41	16.33		
1.4	64QAM	1	5	16.39	16.39	16.30	18.3	0
1.4	64QAM	3	0	16.33	16.38	16.33		
1.4	64QAM	3	1	16.42	16.39	16.32		
1.4	64QAM	3	3	16.42	16.46	16.40		
1.4	64QAM	6	0	16.37	16.35	16.39	18.3	0
1.4	256QAM	1	0	15.46	15.53	15.46		
1.4	256QAM	1	3	15.47	15.38	15.33		
1.4	256QAM	1	5	15.48	15.33	15.40	17.3	1
1.4	256QAM	3	0	15.43	15.39	15.41		
1.4	256QAM	3	1	15.47	15.40	15.30		
1.4	256QAM	3	3	15.41	15.45	15.38		
1.4	256QAM	6	0	15.37	15.48	15.44	17.3	1

Band 66 Ant4 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	14.48	14.51	14.46		
20	QPSK	1	49	14.38	14.49	14.41	15.5	0
20	QPSK	1	99	14.46	14.48	14.39		
20	QPSK	50	0	14.40	14.47	14.34		
20	QPSK	50	24	14.38	14.42	14.41	15.5	0
20	QPSK	50	50	14.39	14.39	14.34		
20	QPSK	100	0	14.40	14.45	14.43		
20	16QAM	1	0	14.40	14.42	14.41		
20	16QAM	1	49	14.28	14.36	14.29	15.5	0
20	16QAM	1	99	14.33	14.36	14.32		
20	16QAM	50	0	14.27	14.37	14.24		
20	16QAM	50	24	14.25	14.30	14.37	15.5	0
20	16QAM	50	50	14.33	14.29	14.28		
20	16QAM	100	0	14.33	14.37	14.38		
20	64QAM	1	0	14.41	14.40	14.37		
20	64QAM	1	49	14.27	14.36	14.38	15.5	0
20	64QAM	1	99	14.40	14.43	14.29		
20	64QAM	50	0	14.36	14.33	14.24		
20	64QAM	50	24	14.32	14.30	14.29	15.5	0
20	64QAM	50	50	14.31	14.36	14.29		
20	64QAM	100	0	14.29	14.35	14.29		
20	256QAM	1	0	14.43	14.39	14.34		
20	256QAM	1	49	14.32	14.37	14.39	15.5	0
20	256QAM	1	99	14.39	14.38	14.35		
20	256QAM	50	0	14.34	14.42	14.24		
20	256QAM	50	24	14.25	14.38	14.35	15.5	0
20	256QAM	50	50	14.35	14.36	14.24		
20	256QAM	100	0	14.34	14.36	14.40		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	14.44	14.38	14.38		
15	QPSK	1	37	14.32	14.44	14.34	15.5	0
15	QPSK	1	74	14.33	14.37	14.25		
15	QPSK	36	0	14.33	14.35	14.31		
15	QPSK	36	20	14.34	14.31	14.33	15.5	0
15	QPSK	36	39	14.26	14.34	14.30		
15	QPSK	75	0	14.33	14.35	14.37		
15	16QAM	1	0	14.34	14.40	14.29		
15	16QAM	1	37	14.14	14.32	14.17	15.5	0
15	16QAM	1	74	14.24	14.29	14.22		
15	16QAM	36	0	14.24	14.25	14.10		
15	16QAM	36	20	14.11	14.21	14.26	15.5	0
15	16QAM	36	39	14.19	14.25	14.18		
15	16QAM	75	0	14.30	14.30	14.28		
15	64QAM	1	0	14.27	14.27	14.24		
15	64QAM	1	37	14.20	14.29	14.31	15.5	0
15	64QAM	1	74	14.34	14.30	14.19		
15	64QAM	36	0	14.24	14.20	14.21		
15	64QAM	36	20	14.18	14.24	14.21	15.5	0
15	64QAM	36	39	14.18	14.25	14.19		
15	64QAM	75	0	14.16	14.31	14.16		
15	256QAM	1	0	14.37	14.31	14.23		
15	256QAM	1	37	14.22	14.27	14.35	15.5	0
15	256QAM	1	74	14.28	14.27	14.23		
15	256QAM	36	0	14.31	14.37	14.13		
15	256QAM	36	20	14.15	14.34	14.22	15.5	0
15	256QAM	36	39	14.28	14.33	14.14		
15	256QAM	75	0	14.21	14.30	14.34		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	14.40	14.48	14.42		
10	QPSK	1	25	14.30	14.35	14.31	15.5	0
10	QPSK	1	49	14.40	14.46	14.28		
10	QPSK	25	0	14.32	14.33	14.23		
10	QPSK	25	12	14.29	14.37	14.30	15.5	0
10	QPSK	25	25	14.29	14.30	14.23		
10	QPSK	50	0	14.29	14.39	14.38		
10	16QAM	1	0	14.28	14.39	14.33		
10	16QAM	1	25	14.20	14.26	14.17	15.5	0
10	16QAM	1	49	14.27	14.31	14.24		
10	16QAM	25	0	14.15	14.27	14.14		
10	16QAM	25	12	14.22	14.25	14.24	15.5	0
10	16QAM	25	25	14.23	14.24	14.16		
10	16QAM	50	0	14.20	14.26	14.30		
10	64QAM	1	0	14.30	14.32	14.29		
10	64QAM	1	25	14.23	14.30	14.24	15.5	0
10	64QAM	1	49	14.30	14.36	14.20		
10	64QAM	25	0	14.29	14.29	14.14		
10	64QAM	25	12	14.22	14.21	14.25	15.5	0
10	64QAM	25	25	14.21	14.23	14.23		
10	64QAM	50	0	14.22	14.33	14.15		
10	256QAM	1	0	14.36	14.26	14.29		
10	256QAM	1	25	14.29	14.35	14.31	15.5	0
10	256QAM	1	49	14.35	14.33	14.24		
10	256QAM	25	0	14.24	14.29	14.14		
10	256QAM	25	12	14.12	14.35	14.24	15.5	0
10	256QAM	25	25	14.29	14.29	14.19		
10	256QAM	50	0	14.30	14.25	14.32		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	14.43	14.44	14.38		
5	QPSK	1	12	14.29	14.41	14.39	15.5	0
5	QPSK	1	24	14.43	14.35	14.32		
5	QPSK	12	0	14.33	14.41	14.32		
5	QPSK	12	7	14.26	14.38	14.38	15.5	0
5	QPSK	12	13	14.29	14.31	14.24		
5	QPSK	25	0	14.32	14.32	14.32		
5	16QAM	1	0	14.34	14.29	14.38		
5	16QAM	1	12	14.25	14.25	14.23	15.5	0
5	16QAM	1	24	14.23	14.27	14.21		
5	16QAM	12	0	14.22	14.30	14.18		
5	16QAM	12	7	14.18	14.26	14.33	15.5	0
5	16QAM	12	13	14.19	14.24	14.24		
5	16QAM	25	0	14.26	14.26	14.26		
5	64QAM	1	0	14.36	14.32	14.35		
5	64QAM	1	12	14.16	14.26	14.28	15.5	0
5	64QAM	1	24	14.36	14.29	14.23		
5	64QAM	12	0	14.33	14.21	14.20		
5	64QAM	12	7	14.21	14.22	14.27	15.5	0
5	64QAM	12	13	14.20	14.33	14.23		
5	64QAM	25	0	14.17	14.27	14.24		
5	256QAM	1	0	14.30	14.30	14.21		
5	256QAM	1	12	14.20	14.32	14.28	15.5	0
5	256QAM	1	24	14.26	14.30	14.22		
5	256QAM	12	0	14.29	14.29	14.20		
5	256QAM	12	7	14.19	14.25	14.32	15.5	0
5	256QAM	12	13	14.23	14.28	14.18		
5	256QAM	25	0	14.21	14.33	14.28		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	14.44	14.47	14.40		
3	QPSK	1	8	14.25	14.44	14.31	15.5	0
3	QPSK	1	14	14.42	14.41	14.36		
3	QPSK	8	0	14.34	14.37	14.29		
3	QPSK	8	4	14.27	14.32	14.33	15.5	0
3	QPSK	8	7	14.35	14.27	14.25		
3	QPSK	15	0	14.38	14.35	14.29		
3	16QAM	1	0	14.33	14.33	14.30		
3	16QAM	1	8	14.16	14.33	14.19	15.5	0
3	16QAM	1	14	14.27	14.25	14.18		
3	16QAM	8	0	14.14	14.31	14.10		
3	16QAM	8	4	14.17	14.25	14.28	15.5	0
3	16QAM	8	7	14.27	14.22	14.22		
3	16QAM	15	0	14.28	14.24	14.35		
3	64QAM	1	0	14.34	14.26	14.34		
3	64QAM	1	8	14.21	14.28	14.29	15.5	0
3	64QAM	1	14	14.35	14.39	14.20		
3	64QAM	8	0	14.27	14.25	14.10		
3	64QAM	8	4	14.26	14.22	14.18	15.5	0
3	64QAM	8	7	14.19	14.32	14.19		
3	64QAM	15	0	14.17	14.25	14.26		
3	256QAM	1	0	14.36	14.34	14.30		
3	256QAM	1	8	14.21	14.30	14.31	15.5	0
3	256QAM	1	14	14.26	14.29	14.30		
3	256QAM	8	0	14.30	14.32	14.21		
3	256QAM	8	4	14.18	14.30	14.22	15.5	0
3	256QAM	8	7	14.23	14.26	14.20		
3	256QAM	15	0	14.24	14.28	14.36		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	14.40	14.38	14.42		
1.4	QPSK	1	3	14.34	14.41	14.32		
1.4	QPSK	1	5	14.42	14.44	14.27	15.5	0
1.4	QPSK	3	0	14.33	14.43	14.28		
1.4	QPSK	3	1	14.29	14.37	14.28		
1.4	QPSK	3	3	14.29	14.30	14.20		
1.4	QPSK	6	0	14.28	14.41	14.40	15.5	0
1.4	16QAM	1	0	14.27	14.28	14.33		
1.4	16QAM	1	3	14.23	14.24	14.26		
1.4	16QAM	1	5	14.25	14.30	14.21	15.5	0
1.4	16QAM	3	0	14.24	14.27	14.16		
1.4	16QAM	3	1	14.18	14.21	14.28		
1.4	16QAM	3	3	14.27	14.19	14.21		
1.4	16QAM	6	0	14.21	14.23	14.25	15.5	0
1.4	64QAM	1	0	14.34	14.30	14.28		
1.4	64QAM	1	3	14.18	14.26	14.34		
1.4	64QAM	1	5	14.37	14.31	14.26	15.5	0
1.4	64QAM	3	0	14.26	14.28	14.13		
1.4	64QAM	3	1	14.27	14.26	14.25		
1.4	64QAM	3	3	14.24	14.23	14.23		
1.4	64QAM	6	0	14.16	14.31	14.15	15.5	0
1.4	256QAM	1	0	14.32	14.32	14.28		
1.4	256QAM	1	3	14.19	14.33	14.35		
1.4	256QAM	1	5	14.28	14.34	14.28	15.5	0
1.4	256QAM	3	0	14.25	14.28	14.17		
1.4	256QAM	3	1	14.13	14.30	14.23		
1.4	256QAM	3	3	14.27	14.29	14.15		
1.4	256QAM	6	0	14.29	14.28	14.27	15.5	0

Band 38 Ant4 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.75	19.77	19.72	21.2	0
20	QPSK	1	49	19.72	19.68	19.68		
20	QPSK	1	99	19.65	19.66	19.61		
20	QPSK	50	0	19.71	19.74	19.61		
20	QPSK	50	24	19.65	19.73	19.68		
20	QPSK	50	50	19.63	19.73	19.69		
20	QPSK	100	0	19.62	19.73	19.63		
20	16QAM	1	0	19.69	19.68	19.67	21.2	0
20	16QAM	1	49	19.61	19.56	19.58		
20	16QAM	1	99	19.61	19.57	19.55		
20	16QAM	50	0	19.61	19.69	19.55		
20	16QAM	50	24	19.56	19.70	19.62		
20	16QAM	50	50	19.53	19.69	19.56		
20	16QAM	100	0	19.52	19.63	19.52		
20	64QAM	1	0	19.69	19.69	19.70	21.2	0
20	64QAM	1	49	19.64	19.60	19.58		
20	64QAM	1	99	19.59	19.55	19.55		
20	64QAM	50	0	19.63	19.62	19.48		
20	64QAM	50	24	19.55	19.63	19.62	21.2	0
20	64QAM	50	50	19.54	19.65	19.60		
20	64QAM	100	0	19.49	19.66	19.55		
20	256QAM	1	0	18.25	18.25	18.23	19.7	1.5
20	256QAM	1	49	18.20	18.16	18.15		
20	256QAM	1	99	18.20	18.14	18.13		
20	256QAM	50	0	18.20	18.21	18.05	19.7	1.5
20	256QAM	50	24	18.17	18.20	18.19		
20	256QAM	50	50	18.10	18.22	18.23		
20	256QAM	100	0	18.07	18.21	18.11		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.67	19.69	19.67	21.2	0
15	QPSK	1	37	19.66	19.56	19.55		
15	QPSK	1	74	19.57	19.57	19.50		
15	QPSK	36	0	19.59	19.71	19.56	21.2	0
15	QPSK	36	20	19.53	19.64	19.58		
15	QPSK	36	39	19.52	19.60	19.60		
15	QPSK	75	0	19.58	19.70	19.57		
15	16QAM	1	0	19.56	19.56	19.55	21.2	0
15	16QAM	1	37	19.52	19.43	19.51		
15	16QAM	1	74	19.52	19.44	19.53		
15	16QAM	36	0	19.53	19.62	19.52	21.2	0
15	16QAM	36	20	19.47	19.61	19.60		
15	16QAM	36	39	19.47	19.59	19.53		
15	16QAM	75	0	19.41	19.57	19.44		
15	64QAM	1	0	19.66	19.55	19.57	21.2	0
15	64QAM	1	37	19.57	19.49	19.55		
15	64QAM	1	74	19.46	19.47	19.46		
15	64QAM	36	0	19.55	19.52	19.40	21.2	0
15	64QAM	36	20	19.51	19.59	19.57		
15	64QAM	36	39	19.51	19.62	19.49		
15	64QAM	75	0	19.35	19.64	19.44		
15	256QAM	1	0	18.16	18.21	18.20	19.7	1.5
15	256QAM	1	37	18.10	18.06	18.06		
15	256QAM	1	74	18.12	18.01	18.05		
15	256QAM	36	0	18.09	18.14	17.92	19.7	1.5
15	256QAM	36	20	18.15	18.11	18.07		
15	256QAM	36	39	18.05	18.17	18.11		
15	256QAM	75	0	18.01	18.12	18.06		
Channel				37800	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.66	19.66	19.69	21.2	0
10	QPSK	1	25	19.65	19.58	19.66		
10	QPSK	1	49	19.53	19.55	19.55		
10	QPSK	25	0	19.62	19.68	19.50	21.2	0
10	QPSK	25	12	19.56	19.61	19.58		
10	QPSK	25	25	19.59	19.67	19.61		
10	QPSK	50	0	19.49	19.70	19.54		
10	16QAM	1	0	19.63	19.61	19.56	21.2	0
10	16QAM	1	25	19.53	19.46	19.48		
10	16QAM	1	49	19.53	19.54	19.50		
10	16QAM	25	0	19.63	19.48	19.48	21.2	0
10	16QAM	25	12	19.51	19.65	19.54		
10	16QAM	25	25	19.41	19.62	19.50		
10	16QAM	50	0	19.41	19.51	19.47		
10	64QAM	1	0	19.64	19.60	19.58	21.2	0
10	64QAM	1	25	19.51	19.46	19.50		
10	64QAM	1	49	19.55	19.46	19.49		
10	64QAM	25	0	19.54	19.58	19.35	21.2	0
10	64QAM	25	12	19.50	19.50	19.55		
10	64QAM	25	25	19.46	19.54	19.48		
10	64QAM	50	0	19.46	19.64	19.46		
10	256QAM	1	0	18.22	18.20	18.12	19.7	1.5
10	256QAM	1	25	18.08	18.02	18.02		
10	256QAM	1	49	18.08	18.11	18.03		
10	256QAM	25	0	18.13	18.08	17.97	19.7	1.5
10	256QAM	25	12	18.13	18.16	18.10		
10	256QAM	25	25	18.08	18.18	18.16		
10	256QAM	50	0	18.05	18.16	18.05		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.62	19.73	19.69	21.2	0
5	QPSK	1	12	19.66	19.62	19.62		
5	QPSK	1	24	19.59	19.61	19.56		
5	QPSK	12	0	19.69	19.65	19.57	21.2	0
5	QPSK	12	7	19.52	19.67	19.60		
5	QPSK	12	13	19.55	19.60	19.64		
5	QPSK	25	0	19.56	19.68	19.58		
5	16QAM	1	0	19.64	19.61	19.62	21.2	0
5	16QAM	1	12	19.51	19.53	19.51		
5	16QAM	1	24	19.54	19.46	19.46		
5	16QAM	12	0	19.52	19.57	19.51	21.2	0
5	16QAM	12	7	19.47	19.62	19.53		
5	16QAM	12	13	19.48	19.62	19.42		
5	16QAM	25	0	19.46	19.52	19.50		
5	64QAM	1	0	19.59	19.65	19.67	21.2	0
5	64QAM	1	12	19.58	19.48	19.53		
5	64QAM	1	24	19.48	19.52	19.50		
5	64QAM	12	0	19.50	19.49	19.36	21.2	0
5	64QAM	12	7	19.47	19.49	19.60		
5	64QAM	12	13	19.51	19.59	19.53		
5	64QAM	25	0	19.45	19.54	19.49		
5	256QAM	1	0	18.11	18.14	18.15	19.7	1.5
5	256QAM	1	12	18.14	18.06	18.07		
5	256QAM	1	24	18.06	18.00	18.07		
5	256QAM	12	0	18.15	18.09	18.00	19.7	1.5
5	256QAM	12	7	18.14	18.14	18.11		
5	256QAM	12	13	18.02	18.19	18.17		
5	256QAM	25	0	18.03	18.08	18.06		

Band 41 Ant4 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.72	18.75	18.77	18.70	18.68	20.2	0
20	QPSK	1	49	18.63	18.72	18.73	18.62	18.64		
20	QPSK	1	99	18.60	18.65	18.68	18.60	18.62		
20	QPSK	50	0	18.63	18.72	18.74	18.59	18.62		
20	QPSK	50	24	18.69	18.62	18.70	18.59	18.59		
20	QPSK	50	50	18.65	18.64	18.63	18.63	18.61		
20	QPSK	100	0	18.64	18.69	18.71	18.61	18.59		
20	16QAM	1	0	18.69	18.72	18.69	18.61	18.55	20.2	0
20	16QAM	1	49	18.49	18.70	18.64	18.58	18.57		
20	16QAM	1	99	18.50	18.58	18.65	18.58	18.56		
20	16QAM	50	0	18.54	18.70	18.60	18.49	18.54		
20	16QAM	50	24	18.67	18.55	18.61	18.54	18.56		
20	16QAM	50	50	18.56	18.59	18.60	18.52	18.56		
20	16QAM	100	0	18.56	18.65	18.62	18.49	18.49		
20	64QAM	1	0	18.62	18.70	18.69	18.66	18.60	20.2	0
20	64QAM	1	49	18.50	18.68	18.64	18.51	18.59		
20	64QAM	1	99	18.47	18.59	18.56	18.54	18.60		
20	64QAM	50	0	18.54	18.62	18.61	18.54	18.55		
20	64QAM	50	24	18.62	18.56	18.58	18.51	18.52		
20	64QAM	50	50	18.52	18.55	18.53	18.50	18.50		
20	64QAM	100	0	18.61	18.62	18.57	18.56	18.45		
20	256QAM	1	0	18.23	18.20	18.24	18.23	18.13	19.7	0.5
20	256QAM	1	49	18.09	18.25	18.24	18.17	18.19		
20	256QAM	1	99	18.07	18.18	18.13	18.10	18.06		
20	256QAM	50	0	18.14	18.28	18.28	18.05	18.17		
20	256QAM	50	24	18.21	18.09	18.22	18.06	18.08		
20	256QAM	50	50	18.10	18.09	18.18	18.08	18.06		
20	256QAM	100	0	18.16	18.15	18.19	18.17	18.12		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.62	18.62	18.64	18.62	18.59	20	0
15	QPSK	1	37	18.56	18.63	18.70	18.58	18.54		
15	QPSK	1	74	18.54	18.61	18.62	18.52	18.54		
15	QPSK	36	0	18.59	18.68	18.67	18.45	18.53	20.2	0
15	QPSK	36	20	18.58	18.55	18.63	18.51	18.52		
15	QPSK	36	39	18.56	18.61	18.50	18.56	18.50		
15	QPSK	75	0	18.55	18.58	18.68	18.55	18.55		
15	16QAM	1	0	18.64	18.69	18.62	18.58	18.46	20.2	0
15	16QAM	1	37	18.39	18.61	18.62	18.51	18.46		
15	16QAM	1	74	18.38	18.46	18.58	18.55	18.49		
15	16QAM	36	0	18.42	18.57	18.55	18.38	18.45	20.2	0
15	16QAM	36	20	18.55	18.50	18.51	18.46	18.42		
15	16QAM	36	39	18.46	18.55	18.47	18.42	18.47		
15	16QAM	75	0	18.47	18.51	18.54	18.37	18.37		
15	64QAM	1	0	18.52	18.64	18.66	18.61	18.52	20.2	0
15	64QAM	1	37	18.38	18.64	18.51	18.48	18.49		
15	64QAM	1	74	18.36	18.49	18.52	18.48	18.50		
15	64QAM	36	0	18.43	18.53	18.54	18.43	18.52	20.2	0
15	64QAM	36	20	18.48	18.53	18.52	18.43	18.42		
15	64QAM	36	39	18.47	18.41	18.42	18.38	18.37		
15	64QAM	75	0	18.53	18.53	18.50	18.47	18.36		
15	256QAM	1	0	18.20	18.10	18.19	18.14	18.11	19.7	0.5
15	256QAM	1	37	17.95	18.22	18.11	18.05	18.13		
15	256QAM	1	74	17.95	18.14	18.05	17.97	17.96		
15	256QAM	36	0	18.01	18.14	18.19	18.01	18.13	19.7	0.5
15	256QAM	36	20	18.17	18.02	18.09	17.92	17.97		
15	256QAM	36	39	17.96	18.00	18.13	18.04	18.02		
15	256QAM	75	0	18.12	18.05	18.10	18.09	18.05		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.61	18.72	18.75	18.57	18.65	20	0
10	QPSK	1	25	18.53	18.60	18.62	18.50	18.62		
10	QPSK	1	49	18.47	18.53	18.62	18.55	18.59		
10	QPSK	25	0	18.50	18.68	18.63	18.52	18.55	20.2	0
10	QPSK	25	12	18.64	18.53	18.63	18.51	18.48		
10	QPSK	25	25	18.53	18.50	18.55	18.60	18.57		
10	QPSK	50	0	18.55	18.58	18.67	18.58	18.56		
10	16QAM	1	0	18.64	18.59	18.63	18.56	18.41	20.2	0
10	16QAM	1	25	18.41	18.57	18.51	18.56	18.47		
10	16QAM	1	49	18.44	18.49	18.60	18.52	18.48		
10	16QAM	25	0	18.52	18.60	18.56	18.45	18.46	20.2	0
10	16QAM	25	12	18.59	18.48	18.56	18.40	18.42		
10	16QAM	25	25	18.50	18.53	18.53	18.48	18.49		
10	16QAM	50	0	18.45	18.54	18.53	18.38	18.43		
10	64QAM	1	0	18.50	18.68	18.62	18.62	18.55	20.2	0
10	64QAM	1	25	18.40	18.63	18.51	18.40	18.50		
10	64QAM	1	49	18.39	18.55	18.44	18.48	18.49		
10	64QAM	25	0	18.40	18.57	18.48	18.47	18.45	20.2	0
10	64QAM	25	12	18.49	18.46	18.50	18.37	18.49		
10	64QAM	25	25	18.42	18.50	18.43	18.48	18.45		
10	64QAM	50	0	18.53	18.52	18.53	18.49	18.40		
10	256QAM	1	0	18.15	18.13	18.11	18.15	18.08	19.7	0.5
10	256QAM	1	25	17.95	18.11	18.20	18.14	18.14		
10	256QAM	1	49	17.94	18.06	17.99	17.98	18.02		
10	256QAM	25	0	18.10	18.15	18.17	17.92	18.04	19.7	0.5
10	256QAM	25	12	18.15	17.96	18.16	17.95	18.01		
10	256QAM	25	25	18.00	18.02	18.09	17.96	17.93		
10	256QAM	50	0	18.06	18.12	18.16	18.05	18.04		
Channel				39575	40140	40620	41063	41505	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.82	18.68	18.74	18.58	18.58	20	0
5	QPSK	1	12	18.56	18.59	18.67	18.50	18.61		
5	QPSK	1	24	18.56	18.63	18.57	18.49	18.52		
5	QPSK	12	0	18.52	18.61	18.69	18.45	18.57	20.2	0
5	QPSK	12	7	18.63	18.56	18.62	18.46	18.48		
5	QPSK	12	13	18.59	18.57	18.53	18.59	18.51		
5	QPSK	25	0	18.51	18.57	18.62	18.56	18.52		
5	16QAM	1	0	18.67	18.69	18.61	18.57	18.52	20.2	0
5	16QAM	1	12	18.40	18.60	18.56	18.45	18.50		
5	16QAM	1	24	18.47	18.51	18.58	18.45	18.47		
5	16QAM	12	0	18.41	18.61	18.58	18.38	18.45	20.2	0
5	16QAM	12	7	18.58	18.44	18.58	18.51	18.50		
5	16QAM	12	13	18.47	18.46	18.48	18.49	18.54		
5	16QAM	25	0	18.48	18.56	18.53	18.35	18.39		
5	64QAM	1	0	18.52	18.62	18.63	18.54	18.49	20.2	0
5	64QAM	1	12	18.43	18.58	18.58	18.43	18.46		
5	64QAM	1	24	18.41	18.54	18.49	18.44	18.56		
5	64QAM	12	0	18.43	18.57	18.59	18.51	18.52	20.2	0
5	64QAM	12	7	18.53	18.53	18.44	18.49	18.43		
5	64QAM	12	13	18.46	18.44	18.44	18.46	18.44		
5	64QAM	25	0	18.53	18.56	18.51	18.53	18.35		
5	256QAM	1	0	18.14	18.17	18.22	18.16	18.05	19.7	0.5
5	256QAM	1	12	17.95	18.23	18.19	18.10	18.13		
5	256QAM	1	24	17.96	18.15	18.09	17.99	18.00		
5	256QAM	12	0	18.02	18.20	18.20	17.96	18.04	19.7	0.5
5	256QAM	12	7	18.08	17.98	18.19	17.95	17.95		
5	256QAM	12	13	17.98	17.99	18.07	18.02	17.94		
5	256QAM	25	0	18.04	18.03	18.09	18.08	18.00		

Band 42 Ant4 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	18.09	18.12	18.06	19.2	0
20	QPSK	1	49	17.97	17.99	17.93		
20	QPSK	1	99	18.02	18.07	18.04		
20	QPSK	50	0	18.06	18.09	17.97		
20	QPSK	50	24	18.01	18.06	17.93		
20	QPSK	50	50	18.01	18.03	17.94		
20	QPSK	100	0	18.05	18.06	18.02		
20	16QAM	1	0	18.09	18.05	18.03	19.2	0
20	16QAM	1	49	18.00	18.01	17.90		
20	16QAM	1	99	18.05	18.02	18.05		
20	16QAM	50	0	18.09	18.01	17.93		
20	16QAM	50	24	18.00	18.04	17.87		
20	16QAM	50	50	18.03	18.04	17.87		
20	16QAM	100	0	18.06	18.06	18.01		
20	64QAM	1	0	18.11	18.07	18.01	19.2	0
20	64QAM	1	49	17.95	17.99	17.88		
20	64QAM	1	99	18.01	18.00	18.04		
20	64QAM	50	0	18.06	18.10	17.90		
20	64QAM	50	24	18.03	17.98	17.92		
20	64QAM	50	50	17.93	18.02	17.93		
20	64QAM	100	0	18.06	18.01	17.97		
20	256QAM	1	0	18.06	18.07	18.09	19.2	0
20	256QAM	1	49	18.01	17.99	17.93		
20	256QAM	1	99	18.04	18.06	18.05		
20	256QAM	50	0	18.09	18.10	17.89		
20	256QAM	50	24	18.00	18.04	17.96		
20	256QAM	50	50	18.00	18.00	17.86		
20	256QAM	100	0	18.06	17.99	17.97		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	18.06	18.06	17.96	19.2	0
15	QPSK	1	37	17.95	17.94	17.92		
15	QPSK	1	74	17.98	17.97	17.97		
15	QPSK	36	0	18.02	18.01	17.92	19.2	0
15	QPSK	36	20	17.98	18.01	17.86		
15	QPSK	36	39	17.96	17.98	17.88		
15	QPSK	75	0	17.98	18.05	18.01		
15	16QAM	1	0	18.00	18.05	18.03	19.2	0
15	16QAM	1	37	17.97	17.94	17.83		
15	16QAM	1	74	17.98	17.95	17.95		
15	16QAM	36	0	18.03	17.94	17.91	19.2	0
15	16QAM	36	20	17.94	17.98	17.77		
15	16QAM	36	39	18.01	18.02	17.86		
15	16QAM	75	0	18.00	18.03	17.95		
15	64QAM	1	0	18.07	18.00	17.92	19.2	0
15	64QAM	1	37	17.85	17.94	17.87		
15	64QAM	1	74	17.91	17.96	18.00		
15	64QAM	36	0	17.95	18.04	17.80	19.2	0
15	64QAM	36	20	17.92	17.90	17.88		
15	64QAM	36	39	17.92	17.95	17.92		
15	64QAM	75	0	18.03	17.90	17.91		
15	256QAM	1	0	17.94	18.01	17.98	19.2	0
15	256QAM	1	37	17.95	17.97	17.88		
15	256QAM	1	74	17.92	18.00	17.97		
15	256QAM	36	0	17.99	17.98	17.79	19.2	0
15	256QAM	36	20	17.93	18.00	17.87		
15	256QAM	36	39	17.99	17.94	17.84		
15	256QAM	75	0	17.96	17.88	17.85		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	18.04	18.11	18.00	19.2	0
10	QPSK	1	25	17.95	17.98	17.84		
10	QPSK	1	49	18.00	18.00	17.99		
10	QPSK	25	0	18.01	17.94	17.87	19.2	0
10	QPSK	25	12	17.95	18.00	17.86		
10	QPSK	25	25	17.96	17.94	18.00		
10	QPSK	50	0	17.98	17.94	18.00		
10	16QAM	1	0	18.08	17.99	17.91	19.2	0
10	16QAM	1	25	17.96	17.91	17.84		
10	16QAM	1	49	17.95	18.01	18.03		
10	16QAM	25	0	17.99	17.96	17.82	19.2	0
10	16QAM	25	12	17.89	17.96	17.84		
10	16QAM	25	25	17.95	18.01	17.85		
10	16QAM	50	0	17.94	18.01	17.97		
10	64QAM	1	0	18.04	18.04	17.90	19.2	0
10	64QAM	1	25	17.90	17.89	17.78		
10	64QAM	1	49	17.95	17.94	18.04		
10	64QAM	25	0	18.04	17.99	17.83	19.2	0
10	64QAM	25	12	18.00	17.90	17.88		
10	64QAM	25	25	17.84	17.91	17.88		
10	64QAM	50	0	18.03	17.94	17.88		
10	256QAM	1	0	18.03	18.02	18.07	19.2	0
10	256QAM	1	25	17.94	17.88	17.86		
10	256QAM	1	49	18.01	18.03	17.96		
10	256QAM	25	0	17.98	18.06	17.79	19.2	0
10	256QAM	25	12	18.00	17.95	17.92		
10	256QAM	25	25	17.88	17.92	17.85		
10	256QAM	50	0	18.03	17.93	17.92		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	18.02	18.01	17.97	19.2	0
5	QPSK	1	12	17.95	17.91	17.91		
5	QPSK	1	24	17.90	18.06	17.94		
5	QPSK	12	0	18.00	18.05	17.93	19.2	0
5	QPSK	12	7	17.89	18.01	17.93		
5	QPSK	12	13	17.96	18.00	17.85		
5	QPSK	25	0	18.01	18.04	17.97		
5	16QAM	1	0	18.00	18.00	18.02	19.2	0
5	16QAM	1	12	17.

		WCDMA II Ant6 DSI 5				WCDMA IV Ant6 DSI 5			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.99	21.15	21.01	22.30	20.29	20.43	20.30	21.90
3GPP Rel 99	RMC 12.2Kbps	21.16	21.18	21.07	22.30	20.44	20.52	20.44	21.90
3GPP Rel 6	HSDPA Subtest-1	20.22	20.09	20.10	21.30	19.55	19.44	19.51	20.90
3GPP Rel 6	HSDPA Subtest-2	20.09	20.20	20.06	21.30	19.47	19.49	19.46	20.90
3GPP Rel 6	HSDPA Subtest-3	19.59	19.67	19.62	20.80	18.97	18.96	18.90	20.40
3GPP Rel 6	HSDPA Subtest-4	19.63	19.67	19.50	20.80	18.94	19.03	18.93	20.40
3GPP Rel 8	DC-HSDPA Subtest-1	20.13	20.18	20.12	21.30	19.45	19.50	19.41	20.90
3GPP Rel 8	DC-HSDPA Subtest-2	20.07	20.14	20.11	21.30	19.51	19.44	19.46	20.90
3GPP Rel 8	DC-HSDPA Subtest-3	19.46	19.73	19.63	20.80	18.79	19.04	18.92	20.40
3GPP Rel 8	DC-HSDPA Subtest-4	19.63	19.56	19.48	20.80	18.92	18.99	18.81	20.40
3GPP Rel 6	HSUPA Subtest-1	20.11	20.02	20.03	21.30	19.44	19.48	19.44	20.90
3GPP Rel 6	HSUPA Subtest-2	18.21	18.11	18.08	19.30	17.45	17.50	17.42	18.90
3GPP Rel 6	HSUPA Subtest-3	19.11	19.11	19.07	20.30	18.51	18.42	18.29	19.90
3GPP Rel 6	HSUPA Subtest-4	18.21	18.20	18.07	19.30	17.54	17.59	17.45	18.90
3GPP Rel 6	HSUPA Subtest-5	20.04	20.06	20.07	21.30	19.47	19.40	19.31	20.90
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.63	17.70	17.56	18.80	16.96	16.98	16.90	18.40

Band 2 Ant6 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	20.81	20.86	20.83		
20	QPSK	1	49	20.74	20.73	20.80	22.3	0
20	QPSK	50	0	20.77	20.40	20.72		
20	QPSK	50	0	20.79	20.83	20.74		
20	QPSK	50	24	20.71	20.81	20.79	22.3	0
20	QPSK	50	50	20.75	20.81	20.77		
20	QPSK	100	0	20.76	20.82	20.73		
20	16QAM	1	0	20.75	20.75	20.81		
20	16QAM	1	49	20.71	20.66	20.69	22.3	0
20	16QAM	1	99	20.71	20.75	20.68		
20	16QAM	50	0	20.34	20.40	20.36		
20	16QAM	50	24	20.21	20.21	20.36	21.8	0.5
20	16QAM	50	50	20.28	20.40	20.17		
20	16QAM	100	0	20.35	20.34	20.28		
20	64QAM	1	0	20.15	20.31	20.34		
20	64QAM	1	49	20.31	20.27	20.30	21.8	0.5
20	64QAM	1	99	20.29	20.36	20.20		
20	64QAM	50	0	19.36	19.31	19.36		
20	64QAM	50	24	19.29	19.20	19.25	20.8	1.5
20	64QAM	50	50	19.25	19.32	19.20		
20	64QAM	100	0	19.33	19.33	19.29		
20	256QAM	1	0	17.26	17.34	17.30		
20	256QAM	1	49	17.24	17.21	17.33	18.8	3.5
20	256QAM	1	99	17.28	17.29	17.17		
20	256QAM	50	0	17.24	17.32	17.25		
20	256QAM	50	24	17.24	17.35	17.30	18.8	3.5
20	256QAM	50	50	17.25	17.36	17.31		
20	256QAM	100	0	17.23	17.30	17.19		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	20.72	20.76	20.77		
15	QPSK	1	37	20.63	20.67	20.71	22.3	0
15	QPSK	1	74	20.69	20.81	20.64		
15	QPSK	36	0	20.76	20.80	20.70		
15	QPSK	36	20	20.67	20.71	20.69	22.3	0
15	QPSK	36	39	20.63	20.69	20.68		
15	QPSK	75	0	20.70	20.69	20.65		
15	16QAM	1	0	20.73	20.68	20.70		
15	16QAM	1	37	20.66	20.52	20.64	22.3	0
15	16QAM	1	74	20.63	20.64	20.55		
15	16QAM	36	0	20.24	20.38	20.26		
15	16QAM	36	20	20.15	20.11	20.30	21.8	0.5
15	16QAM	36	39	20.15	20.38	20.11		
15	16QAM	75	0	20.32	20.27	20.19		
15	64QAM	1	0	20.12	20.23	20.28		
15	64QAM	1	37	20.24	20.22	20.20	21.8	0.5
15	64QAM	1	74	20.27	20.31	20.17		
15	64QAM	36	0	19.30	19.20	19.34		
15	64QAM	36	20	19.19	19.07	19.23	20.8	1.5
15	64QAM	36	39	19.19	19.23	19.06		
15	64QAM	75	0	19.27	19.29	19.25		
15	256QAM	1	0	17.17	17.21	17.25		
15	256QAM	1	37	17.16	17.16	17.21	18.8	3.5
15	256QAM	1	74	17.23	17.26	17.09		
15	256QAM	36	0	17.17	17.27	17.13		
15	256QAM	36	20	17.15	17.33	17.20	18.8	3.5
15	256QAM	36	39	17.15	17.25	17.25		
15	256QAM	75	0	17.13	17.19	17.16		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	20.76	20.81	20.73		
10	QPSK	1	25	20.60	20.67	20.69	22.3	0
10	QPSK	1	49	20.65	20.77	20.65		
10	QPSK	25	0	20.74	20.75	20.66		
10	QPSK	25	12	20.67	20.71	20.71	22.3	0
10	QPSK	25	25	20.69	20.69	20.69		
10	QPSK	50	0	20.68	20.73	20.67		
10	16QAM	1	0	20.71	20.72	20.67		
10	16QAM	1	25	20.60	20.53	20.60	22.3	0
10	16QAM	1	49	20.67	20.67	20.62		
10	16QAM	25	0	20.26	20.29	20.30		
10	16QAM	25	12	20.14	20.17	20.23	21.8	0.5
10	16QAM	25	25	20.19	20.31	20.10		
10	16QAM	50	0	20.27	20.32	20.19		
10	64QAM	1	0	20.01	20.27	20.23		
10	64QAM	1	25	20.18	20.25	20.23	21.8	0.5
10	64QAM	1	49	20.22	20.31	20.12		
10	64QAM	25	0	19.25	19.20	19.27		
10	64QAM	25	12	19.20	19.12	19.21	20.8	1.5
10	64QAM	25	25	19.12	19.27	19.17		
10	64QAM	50	0	19.27	19.26	19.17		
10	256QAM	1	0	17.18	17.21	17.20		
10	256QAM	1	25	17.22	17.13	17.26	18.8	3.5
10	256QAM	1	49	17.18	17.26	17.04		
10	256QAM	25	0	17.20	17.29	17.12		
10	256QAM	25	12	17.22	17.27	17.18	18.8	3.5
10	256QAM	25	25	17.17	17.28	17.25		
10	256QAM	50	0	17.18	17.16	17.12		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	20.73	20.75	20.70		
5	QPSK	1	12	20.68	20.62	20.75	22.3	0
5	QPSK	1	24	20.69	20.73	20.63		
5	QPSK	12	0	20.74	20.74	20.69		
5	QPSK	12	7	20.68	20.77	20.77	22.3	0
5	QPSK	12	13	20.69	20.71	20.74		
5	QPSK	25	0	20.67	20.75	20.62		
5	16QAM	1	0	20.72	20.67	20.75		
5	16QAM	1	12	20.57	20.64	20.62	22.3	0
5	16QAM	1	24	20.61	20.71	20.63		
5	16QAM	12	0	20.30	20.38	20.31		
5	16QAM	12	7	20.08	20.11	20.29	21.8	0.5
5	16QAM	12	13	20.18	20.34	20.11		
5	16QAM	25	0	20.28	20.24	20.18		
5	64QAM	1	0	20.05	20.17	20.22		
5	64QAM	1	12	20.22	20.18	20.25	21.8	0.5
5	64QAM	1	24	20.17	20.25	20.07		
5	64QAM	12	0	19.27	19.24	19.27		
5	64QAM	12	7	19.16	19.10	19.21	20.8	1.5
5	64QAM	12	13	19.14	19.30	19.08		
5	64QAM	25	0	19.29	19.25	19.16		
5	256QAM	1	0	17.16	17.26	17.23		
5	256QAM	1	12	17.18	17.12	17.28	18.8	3.5
5	256QAM	1	24	17.21	17.24	17.11		
5	256QAM	12	0	17.17	17.21	17.18		
5	256QAM	12	7	17.20	17.21	17.27	18.8	3.5
5	256QAM	12	13	17.14	17.33	17.26		
5	256QAM	25	0	17.18	17.23	17.16		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	20.68	20.80	20.73		
3	QPSK	1	8	20.67	20.70	20.74	22.3	0
3	QPSK	1	14	20.63	20.82	20.66		
3	QPSK	8	0	20.69	20.77	20.69		
3	QPSK	8	4	20.59	20.70	20.67	22.3	0
3	QPSK	8	7	20.67	20.70	20.65		
3	QPSK	15	0	20.74	20.75	20.65		
3	16QAM	1	0	20.67	20.72	20.69		
3	16QAM	1	8	20.57	20.53	20.65	22.3	0
3	16QAM	1	14	20.59	20.66	20.56		
3	16QAM	8	0	20.24	20.31	20.29		
3	16QAM	8	4	20.10	20.12	20.26	21.8	0.5
3	16QAM	8	7	20.17	20.35	20.08		
3	16QAM	15	0	20.22	20.21	20.25		
3	64QAM	1	0	20.07	20.20	20.27		
3	64QAM	1	8	20.26	20.20	20.16	21.8	0.5
3	64QAM	1	14	20.23	20.34	20.13		
3	64QAM	8	0	19.32	19.17	19.32		
3	64QAM	8	4	19.26	19.11	19.13	20.8	1.5
3	64QAM	8	7	19.19	19.26	19.06		
3	64QAM	15	0	19.20	19.20	19.19		
3	256QAM	1	0	17.24	17.26	17.17		
3	256QAM	1	8	17.19	17.19	17.24	18.8	3.5
3	256QAM	1	14	17.22	17.27	17.06		
3	256QAM	8	0	17.17	17.22	17.21		
3	256QAM	8	4	17.14	17.30	17.17	18.8	3.5
3	256QAM	8	7	17.20	17.27	17.27		
3	256QAM	15	0	17.12	17.22	17.08		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.69	20.75	20.70		
1.4	QPSK	1	3	20.70	20.59	20.70		
1.4	QPSK	1	5	20.64	20.80	20.67	22.3	0
1.4	QPSK	3	0	20.67	20.69	20.65		
1.4	QPSK	3	1	20.58	20.75	20.74		
1.4	QPSK	3	3	20.66	20.69	20.67		
1.4	QPSK	6	0	20.65	20.71	20.61	22.3	0
1.4	16QAM	1	0	20.67	20.70	20.68		
1.4	16QAM	1	3	20.67	20.56	20.58		
1.4	16QAM	1	5	20.57	20.69	20.63	22.3	0
1.4	16QAM	3	0	20.53	20.68	20.64		
1.4	16QAM	3	1	20.55	20.46	20.50		
1.4	16QAM	3	3	20.44	20.58	20.51		
1.4	16QAM	6	0	20.21	20.27	20.18	21.8	0.5
1.4	64QAM	1	0	20.02	20.20	20.26		
1.4	64QAM	1	3	20.22	20.13	20.25		
1.4	64QAM	1	5	20.22	20.30	20.09	21.8	0.5
1.4	64QAM	3	0	20.18	20.23	20.13		
1.4	64QAM	3	1	19.89	20.18	20.14		
1.4	64QAM	3	3	20.19	19.99	20.20		
1.4	64QAM	6	0	19.23	19.26	19.20	20.8	1.5
1.4	256QAM	1	0	17.21	17.22	17.19		
1.4	256QAM	1	3	17.13	17.09	17.28		
1.4	256QAM	1	5	17.20	17.22	17.07	18.8	3.5
1.4	256QAM	3	0	17.10	17.20	17.15		
1.4	256QAM	3	1	17.19	17.29	17.20		
1.4	256QAM	3	3	17.19	17.23	17.28		
1.4	256QAM	6	0	17.14	17.23	17.15	18.8	3.5

Band 4 Ant6 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	18.03	18.08	18.05		
20	QPSK	1	49	17.89	17.97	17.97	19.4	0
20	QPSK	50	0	18.00	18.04	18.00		
20	QPSK	50	0	17.94	18.03	18.00		
20	QPSK	50	24	17.97	17.99	17.95	19.4	0
20	QPSK	50	50	18.00	18.01	17.98		
20	QPSK	100	0	17.94	18.01	18.00		
20	16QAM	1	0	17.89	17.96	18.03		
20	16QAM	1	49	17.76	17.84	17.85	19.4	0
20	16QAM	1	99	17.95	17.92	17.96		
20	16QAM	50	0	17.83	17.90	17.91		
20	16QAM	50	24	17.83	17.87	17.90	19.4	0
20	16QAM	50	50	17.96	17.94	17.96		
20	16QAM	100	0	17.82	17.90	17.98		
20	64QAM	1	0	17.93	17.99	17.93		
20	64QAM	1	49	17.85	17.83	17.93	19.4	0
20	64QAM	1	99	17.92	18.01	17.93		
20	64QAM	50	0	17.81	17.96	17.98		
20	64QAM	50	24	17.85	17.97	17.82	19.4	0
20	64QAM	50	50	17.88	17.94	17.90		
20	64QAM	100	0	17.81	17.98	17.88		
20	256QAM	1	0	17.49	17.54	17.55		
20	256QAM	1	49	17.36	17.51	17.44	18.9	0.5
20	256QAM	1	99	17.45	17.49	17.52		
20	256QAM	50	0	17.42	17.55	17.45		
20	256QAM	50	24	17.51	17.54	17.41	18.9	0.5
20	256QAM	50	50	17.53	17.51	17.47		
20	256QAM	100	0	17.46	17.57	17.49		
Channel				20025	20175		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	18.01	18.06	17.93		
15	QPSK	1	37	17.87	17.95	17.94	19.4	0
15	QPSK	1	74	17.92	17.95	17.90		
15	QPSK	36	0	17.84	18.01	17.96		
15	QPSK	36	20	17.85	17.88	17.83	19.4	0
15	QPSK	36	39	17.96	17.98	17.95		
15	QPSK	75	0	17.84	17.93	17.92		
15	16QAM	1	0	17.84	17.94	17.99		
15	16QAM	1	37	17.65	17.72	17.83	19.4	0
15	16QAM	1	74	17.92	17.79	17.88		
15	16QAM	36	0	17.80	17.86	17.90		
15	16QAM	36	20	17.74	17.81	17.83	19.4	0
15	16QAM	36	39	17.89	17.88	17.90		
15	16QAM	75	0	17.76	17.88	17.85		
15	64QAM	1	0	17.82	17.90	17.90		
15	64QAM	1	37	17.84	17.73	17.85	19.4	0
15	64QAM	1	74	17.86	17.94	17.85		
15	64QAM	36	0	17.71	17.90	17.97		
15	64QAM	36	20	17.83	17.87	17.80	19.4	0
15	64QAM	36	39	17.78	17.88	17.81		
15	64QAM	75	0	17.69	17.93	17.80		
15	256QAM	1	0	17.43	17.53	17.48		
15	256QAM	1	37	17.30	17.38	17.33	18.9	0.5
15	256QAM	1	74	17.39	17.42	17.45		
15	256QAM	36	0	17.32	17.45	17.40		
15	256QAM	36	20	17.45	17.45	17.36	18.9	0.5
15	256QAM	36	39	17.48	17.47	17.40		
15	256QAM	75	0	17.43	17.49	17.39		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	17.97	17.99	18.00		
10	QPSK	1	25	17.77	17.87	17.91	19.4	0
10	QPSK	1	49	17.98	17.94	17.97		
10	QPSK	25	0	17.87	17.92	17.87		
10	QPSK	25	12	17.90	17.97	17.83	19.4	0
10	QPSK	25	25	17.95	17.93	17.86		
10	QPSK	50	0	17.92	17.93	17.89		
10	16QAM	1	0	17.83	17.89	17.97		
10	16QAM	1	25	17.66	17.74	17.76	19.4	0
10	16QAM	1	49	17.77	17.87	17.87		
10	16QAM	25	0	17.76	17.87	17.85		
10	16QAM	25	12	17.74	17.79	17.86	19.4	0
10	16QAM	25	25	17.94	17.89	17.87		
10	16QAM	50	0	17.80	17.78	17.90		
10	64QAM	1	0	17.88	17.95	17.89		
10	64QAM	1	25	17.83	17.71	17.85	19.4	0
10	64QAM	1	49	17.90	17.98	17.88		
10	64QAM	25	0	17.68	17.92	17.93		
10	64QAM	25	12	17.81	17.94	17.77	19.4	0
10	64QAM	25	25	17.84	17.84	17.85		
10	64QAM	50	0	17.75	17.95	17.78		
10	256QAM	1	0	17.42	17.48	17.46		
10	256QAM	1	25	17.32	17.46	17.35	18.9	0.5
10	256QAM	1	49	17.38	17.38	17.42		
10	256QAM	25	0	17.33	17.44	17.35		
10	256QAM	25	12	17.43	17.52	17.34	18.9	0.5
10	256QAM	25	25	17.43	17.47	17.45		
10	256QAM	50	0	17.34	17.50	17.42		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	17.99	17.98	18.02		
5	QPSK	1	12	17.78	17.85	17.94	19.4	0
5	QPSK	1	24	17.95	17.97	17.93		
5	QPSK	12	0	17.92	17.96	17.91		
5	QPSK	12	7	17.96	17.93	17.83	19.4	0
5	QPSK	12	13	17.89	17.96	17.97		
5	QPSK	25	0	17.90	17.90	17.90		
5	16QAM	1	0	17.82	17.87	17.98		
5	16QAM	1	12	17.73	17.72	17.78	19.4	0
5	16QAM	1	24	17.94	17.87	17.85		
5	16QAM	12	0	17.73	17.86	17.83		
5	16QAM	12	7	17.72	17.80	17.85	19.4	0
5	16QAM	12	13	17.96	17.87	17.83		
5	16QAM	25	0	17.73	17.83	17.96		
5	64QAM	1	0	17.87	17.87	17.81		
5	64QAM	1	12	17.73	17.74	17.89	19.4	0
5	64QAM	1	24	17.89	17.93	17.88		
5	64QAM	12	0	17.74	17.85	17.92		
5	64QAM	12	7	17.78	17.85	17.73	19.4	0
5	64QAM	12	13	17.78	17.91	17.79		
5	64QAM	25	0	17.77	17.90	17.81		
5	256QAM	1	0	17.46	17.50	17.54		
5	256QAM	1	12	17.33	17.48	17.33	18.9	0.5
5	256QAM	1	24	17.35	17.38	17.40		
5	256QAM	12	0	17.33	17.45	17.39		
5	256QAM	12	7	17.49	17.48	17.29	18.9	0.5
5	256QAM	12	13	17.49	17.48	17.34		
5	256QAM	25	0	17.40	17.52	17.46		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	17.93	18.03	18.03		
3	QPSK	1	8	17.88	17.86	17.90	19.4	0
3	QPSK	1	14	17.98	17.99	17.88		
3	QPSK	8	0	17.96	17.89	17.89		
3	QPSK	8	4	17.90	17.96	17.96	19.4	0
3	QPSK	8	7	17.95	17.95	17.95		
3	QPSK	15	0	17.87	17.96	17.98		
3	16QAM	1	0	17.83	17.92	17.92		
3	16QAM	1	8	17.71	17.81	17.75	19.4	0
3	16QAM	1	14	17.91	17.82	17.86		
3	16QAM	8	0	17.77	17.86	17.83		
3	16QAM	8	4	17.77	17.81	17.82	19.4	0
3	16QAM	8	7	17.83	17.92	17.92		
3	16QAM	15	0	17.75	17.83	17.89		
3	64QAM	1	0	17.84	17.89	17.88		
3	64QAM	1	8	17.80	17.75	17.86	19.4	0
3	64QAM	1	14	17.85	17.95	17.80		
3	64QAM	8	0	17.76	17.89	17.90		
3	64QAM	8	4	17.83	17.93	17.70	19.4	0
3	64QAM	8	7	17.80	17.89	17.80		
3	64QAM	15	0	17.80	17.88	17.77		
3	256QAM	1	0	17.39	17.50	17.45		
3	256QAM	1	8	17.25	17.43	17.41	18.9	0.5
3	256QAM	1	14	17.46	17.41	17.48		
3	256QAM	8	0	17.39	17.49	17.39		
3	256QAM	8	4	17.48	17.50	17.33	18.9	0.5
3	256QAM	8	7	17.44	17.45	17.44		
3	256QAM	15	0	17.34	17.56	17.38		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.01	18.05	17.93		
1.4	QPSK	1	3	17.84	17.95	17.95		
1.4	QPSK	1	5	17.89	18.02	17.97	19.4	0
1.4	QPSK	3	0	17.85	17.98	17.89		
1.4	QPSK	3	1	17.86	17.88	17.85		
1.4	QPSK	3	3	17.87	17.97	17.92		
1.4	QPSK	6	0	17.84	17.96	17.89	19.4	0
1.4	16QAM	1	0	17.88	17.91	17.95		
1.4	16QAM	1	3	17.65	17.82	17.75		
1.4	16QAM	1	5	17.94	17.85	17.84	19.4	0
1.4	16QAM	3	0	17.72	17.82	17.87		
1.4	16QAM	3	1	17.77	17.83	17.77		
1.4	16QAM	3	3	17.86	17.82	17.90		
1.4	16QAM	6	0	17.74	17.87	17.88	19.4	0
1.4	64QAM	1	0	17.90	17.86	17.86		
1.4	64QAM	1	3	17.81	17.89	17.89		
1.4	64QAM	1	5	17.89	17.96	17.88	19.4	0
1.4	64QAM	3	0	17.72	17.94	17.94		
1.4	64QAM	3	1	17.76	17.86	17.78		
1.4	64QAM	3	3	17.77	17.82	17.82		
1.4	64QAM	6	0	17.70	17.91	17.82	19.4	0
1.4	256QAM	1	0	17.41	17.41	17.49		
1.4	256QAM	1	3	17.25	17.44	17.38		
1.4	256QAM	1	5	17.41	17.43	17.46	18.9	0.5
1.4	256QAM	3	0	17.36	17.54	17.37		
1.4	256QAM	3	1	17.47	17.50	17.31		
1.4	256QAM	3	3	17.42	17.45	17.38		
1.4	256QAM	6	0	17.38	17.47	17.42	18.9	0.5

Band 7 Ant6 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.68	19.72	19.70		
20	QPSK	1	49	19.63	19.64	19.58	21	0
20	QPSK	1	99	19.53	19.60	19.59		
20	QPSK	50	0	19.65	19.70	19.66		
20	QPSK	50	24	19.60	19.66	19.64	21	0
20	QPSK	50	50	19.60	19.66	19.68		
20	QPSK	100	0	19

Band 66 Ant6 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	18.09	18.12	18.10		
20	QPSK	1	49	17.97	17.98	18.01	19.6	0
20	QPSK	1	99	17.97	18.02	17.99		
20	QPSK	50	0	17.99	18.10	18.00		
20	QPSK	50	24	17.99	18.07	18.02	19.6	0
20	QPSK	50	50	17.99	18.01	18.06		
20	QPSK	100	0	18.03	18.08	18.00		
20	16QAM	1	0	18.06	17.99	17.98		
20	16QAM	1	49	17.88	17.92	17.92	19.6	0
20	16QAM	1	99	17.83	17.93	17.93		
20	16QAM	50	0	17.93	17.97	17.93		
20	16QAM	50	24	17.88	18.04	17.89	19.6	0
20	16QAM	50	50	17.92	17.98	18.02		
20	16QAM	100	0	17.96	18.00	17.96		
20	64QAM	1	0	18.04	18.04	18.07		
20	64QAM	1	49	17.91	17.86	17.91	19.6	0
20	64QAM	1	99	17.93	17.89	17.94		
20	64QAM	50	0	17.87	17.99	17.89		
20	64QAM	50	24	17.91	17.98	17.95	19.6	0
20	64QAM	50	50	17.87	17.95	17.97		
20	64QAM	100	0	17.93	17.95	17.90		
20	256QAM	1	0	17.57	17.57	17.62		
20	256QAM	1	49	17.47	17.51	17.54	19.1	0.5
20	256QAM	1	99	17.48	17.52	17.50		
20	256QAM	50	0	17.46	17.58	17.48		
20	256QAM	50	24	17.49	17.54	17.57	19.1	0.5
20	256QAM	50	50	17.47	17.49	17.53		
20	256QAM	100	0	17.51	17.58	17.54		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.06	18.06	18.08		
15	QPSK	1	37	17.86	17.89	17.91	19.6	0
15	QPSK	1	74	17.93	17.92	17.87		
15	QPSK	36	0	17.93	18.01	17.86		
15	QPSK	36	20	17.89	18.00	17.94	19.6	0
15	QPSK	36	39	17.87	17.96	17.93		
15	QPSK	75	0	17.94	17.94	17.97		
15	16QAM	1	0	17.93	17.87	17.88		
15	16QAM	1	37	17.75	17.79	17.83	19.6	0
15	16QAM	1	74	17.75	17.86	17.88		
15	16QAM	36	0	17.89	17.88	17.89		
15	16QAM	36	20	17.77	18.00	17.85	19.6	0
15	16QAM	36	39	17.88	17.92	17.99		
15	16QAM	75	0	17.92	17.92	17.89		
15	64QAM	1	0	18.01	18.02	17.98		
15	64QAM	1	37	17.78	17.82	17.78	19.6	0
15	64QAM	1	74	17.83	17.82	17.82		
15	64QAM	36	0	17.76	17.90	17.76		
15	64QAM	36	20	17.87	17.96	17.82	19.6	0
15	64QAM	36	39	17.85	17.92	17.92		
15	64QAM	75	0	17.79	17.91	17.84		
15	256QAM	1	0	17.49	17.44	17.58		
15	256QAM	1	37	17.37	17.46	17.49	19.1	0.5
15	256QAM	1	74	17.42	17.44	17.47		
15	256QAM	36	0	17.35	17.45	17.39		
15	256QAM	36	20	17.46	17.44	17.54	19.1	0.5
15	256QAM	36	39	17.36	17.42	17.43		
15	256QAM	75	0	17.42	17.46	17.46		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.04	18.04	18.01		
10	QPSK	1	25	17.88	17.86	17.88	19.6	0
10	QPSK	1	49	17.88	17.90	17.85		
10	QPSK	25	0	17.87	18.05	17.95		
10	QPSK	25	12	17.95	17.97	17.97	19.6	0
10	QPSK	25	25	17.91	17.89	17.95		
10	QPSK	50	0	17.90	18.04	17.90		
10	16QAM	1	0	18.02	17.85	17.89		
10	16QAM	1	25	17.80	17.84	17.89	19.6	0
10	16QAM	1	49	17.69	17.85	17.87		
10	16QAM	25	0	17.88	17.95	17.80		
10	16QAM	25	12	17.76	17.95	17.83	19.6	0
10	16QAM	25	25	17.78	17.85	17.90		
10	16QAM	50	0	17.85	17.91	17.82		
10	64QAM	1	0	17.97	17.98	17.94		
10	64QAM	1	25	17.85	17.80	17.79	19.6	0
10	64QAM	1	49	17.79	17.79	17.82		
10	64QAM	25	0	17.74	17.86	17.76		
10	64QAM	25	12	17.77	17.95	17.89	19.6	0
10	64QAM	25	25	17.75	17.88	17.93		
10	64QAM	50	0	17.83	17.92	17.79		
10	256QAM	1	0	17.47	17.45	17.48		
10	256QAM	1	25	17.35	17.44	17.48	19.1	0.5
10	256QAM	1	49	17.45	17.47	17.48		
10	256QAM	25	0	17.35	17.55	17.45		
10	256QAM	25	12	17.44	17.42	17.54	19.1	0.5
10	256QAM	25	25	17.36	17.45	17.42		
10	256QAM	50	0	17.40	17.46	17.52		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	18.00	18.08	17.97		
5	QPSK	1	12	17.88	17.90	17.94	19.6	0
5	QPSK	1	24	17.85	18.00	17.86		
5	QPSK	12	0	17.92	18.06	17.87		
5	QPSK	12	7	17.87	18.01	17.99	19.6	0
5	QPSK	12	13	17.88	17.88	17.98		
5	QPSK	25	0	18.00	17.97	17.94		
5	16QAM	1	0	17.95	17.96	17.89		
5	16QAM	1	12	17.80	17.87	17.85	19.6	0
5	16QAM	1	24	17.77	17.81	17.83		
5	16QAM	12	0	17.88	17.83	17.85		
5	16QAM	12	7	17.82	17.91	17.84	19.6	0
5	16QAM	12	13	17.83	17.89	17.93		
5	16QAM	25	0	17.92	17.93	17.87		
5	64QAM	1	0	17.93	18.01	18.04		
5	64QAM	1	12	17.86	17.75	17.78	19.6	0
5	64QAM	1	24	17.88	17.86	17.84		
5	64QAM	12	0	17.84	17.97	17.79		
5	64QAM	12	7	17.82	17.90	17.90	19.6	0
5	64QAM	12	13	17.78	17.85	17.84		
5	64QAM	25	0	17.79	17.83	17.80		
5	256QAM	1	0	17.49	17.50	17.48		
5	256QAM	1	12	17.37	17.47	17.46	19.1	0.5
5	256QAM	1	24	17.39	17.47	17.43		
5	256QAM	12	0	17.32	17.46	17.43		
5	256QAM	12	7	17.38	17.51	17.47	19.1	0.5
5	256QAM	12	13	17.41	17.40	17.47		
5	256QAM	25	0	17.38	17.51	17.47		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	18.06	18.04	18.00		
3	QPSK	1	8	17.84	17.86	17.93	19.6	0
3	QPSK	1	14	17.88	17.96	17.93		
3	QPSK	8	0	17.88	18.01	17.88		
3	QPSK	8	4	17.94	17.99	17.91	19.6	0
3	QPSK	8	7	17.97	17.97	18.00		
3	QPSK	15	0	17.96	18.00	17.93		
3	16QAM	1	0	17.93	17.91	17.95		
3	16QAM	1	8	17.77	17.87	17.79	19.6	0
3	16QAM	1	14	17.70	17.91	17.83		
3	16QAM	8	0	17.85	17.90	17.81		
3	16QAM	8	4	17.81	18.00	17.87	19.6	0
3	16QAM	8	7	17.88	17.91	17.98		
3	16QAM	15	0	17.86	17.89	17.92		
3	64QAM	1	0	18.00	18.02	17.95		
3	64QAM	1	8	17.80	17.74	17.79	19.6	0
3	64QAM	1	14	17.81	17.84	17.87		
3	64QAM	8	0	17.83	17.93	17.87		
3	64QAM	8	4	17.78	17.91	17.92	19.6	0
3	64QAM	8	7	17.74	17.83	17.92		
3	64QAM	15	0	17.89	17.82	17.77		
3	256QAM	1	0	17.52	17.54	17.49		
3	256QAM	1	8	17.35	17.40	17.43	19.1	0.5
3	256QAM	1	14	17.36	17.41	17.39		
3	256QAM	8	0	17.38	17.47	17.37		
3	256QAM	8	4	17.44	17.47	17.55	19.1	0.5
3	256QAM	8	7	17.36	17.37	17.39		
3	256QAM	15	0	17.42	17.55	17.51		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	18.05	18.01	18.07		
1.4	QPSK	1	3	17.90	17.89	17.95		
1.4	QPSK	1	5	17.95	17.90	17.90	19.6	0
1.4	QPSK	3	0	17.91	17.99	17.93		
1.4	QPSK	3	1	17.93	18.01	17.89		
1.4	QPSK	3	3	17.97	17.90	17.97		
1.4	QPSK	6	0	17.92	18.00	17.97	19.6	0
1.4	16QAM	1	0	17.94	17.89	17.93		
1.4	16QAM	1	3	17.77	17.80	17.90		
1.4	16QAM	1	5	17.70	17.90	17.91	19.6	0
1.4	16QAM	3	0	17.80	17.91	17.81		
1.4	16QAM	3	1	17.78	17.93	17.84		
1.4	16QAM	3	3	17.89	17.94	18.00		
1.4	16QAM	6	0	17.91	17.97	17.83	19.6	0
1.4	64QAM	1	0	17.95	17.95	18.02		
1.4	64QAM	1	3	17.79	17.75	17.89		
1.4	64QAM	1	5	17.83	17.81	17.81	19.6	0
1.4	64QAM	3	0	17.84	17.93	17.80		
1.4	64QAM	3	1	17.79	17.92	17.91		
1.4	64QAM	3	3	17.74	17.83	17.90		
1.4	64QAM	6	0	17.85	17.86	17.79	19.6	0
1.4	256QAM	1	0	17.48	17.50	17.55		
1.4	256QAM	1	3	17.35	17.39	17.48		
1.4	256QAM	1	5	17.37	17.45	17.37	19.1	0.5
1.4	256QAM	3	0	17.38	17.54	17.45		
1.4	256QAM	3	1	17.39	17.40	17.48		
1.4	256QAM	3	3	17.36	17.39	17.50		
1.4	256QAM	6	0	17.45	17.47	17.52	19.1	0.5

Band 38 Ant6 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.45	21.48	21.43		
20	QPSK	1	49	21.43	21.41	21.38	23	0
20	QPSK	1	99	21.39	21.37	21.30		
20	QPSK	50	0	21.36	21.44	21.29		
20	QPSK	50	24	21.41	21.34	21.29	23	0
20	QPSK	50	50	21.36	21.36	21.35		
20	QPSK	100	0	21.36	21.43	21.34		
20	16QAM	1	0	21.38	21.36	21.29		
20	16QAM	1	49	21.31	21.35	21.26	23	0
20	16QAM	1	99	21.31	21.31	21.23		
20	16QAM	50	0	21.31	21.35	21.15		
20	16QAM	50	24	21.32	21.28	21.23	23	0
20	16QAM	50	50	21.30	21.29	21.21		
20	16QAM	100	0	21.34	21.37	21.29		
20	64QAM	1	0	21.41	21.42	21.32		
20	64QAM	1	49	21.35	21.34	21.26	23	0
20	64QAM	1	99	21.28	21.23	21.21		
20	64QAM	50	0	20.93	20.98	20.97		
20	64QAM	50	24	20.93	20.87	20.83	22.5	0.5
20	64QAM	50	50	20.91	20.82	20.77		
20	64QAM	100	0	20.89	20.94	20.78		
20	256QAM	1	0	18.91	19.04	18.96		
20	256QAM	1	49	18.91	18.86	18.88	20.5	2.5
20	256QAM	1	99	18.92	18.92	18.76		
20	256QAM	50	0	18.91	18.90	18.76		
20	256QAM	50	24	18.91	18.82	18.80	20.5	2.5
20	256QAM	50	50	18.88	18.80	18.90		
20	256QAM	100	0	18.83	18.95	18.90		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.35	21.39	21.33		
15	QPSK	1	37	21.34	21.30	21.34	23	0
15	QPSK	1	74	21.30	21.23	21.26		
15	QPSK	36	0	21.31	21.31	21.17		
15	QPSK	36	20	21.35	21.29	21.19	23	0
15	QPSK	36	39	21.30	21.30	21.26		
15	QPSK	75	0	21.29	21.31	21.30		
15	16QAM	1	0	21.31	21.30	21.27		
15	16QAM	1	37	21.27	21.23	21.17	23	0
15	16QAM	1	74	21.27	21.22	21.10		
15	16QAM	36	0	21.22	21.29	21.02		
15	16QAM	36	20	21.25	21.20	21.15	23	0
15	16QAM	36	39	21.25	21.15	21.07		
15	16QAM	75	0	21.30	21.33	21.16		
15	64QAM	1	0	21.31	21.36	21.27		
15	64QAM	1	37	21.28	21.26	21.13	23	0
15	64QAM	1	74	21.23	21.11	21.17		
15	64QAM	36	0	20.80	20.85	20.90		
15	64QAM	36	20	20.89	20.80	20.76	22.5	0.5
15	64QAM	36	39	20.88	20.74	20.74		
15	64QAM	75	0	20.81	20.88	20.73		
15	256QAM	1	0	18.78	18.93	18.91		
15	256QAM	1	37	18.85	18.74	18.83	20.5	2.5
15	256QAM	1	74	18.89	18.87	18.74		
15	256QAM	36	0	18.82	18.86	18.67		
15	256QAM	36	20	18.83	18.80	18.67	20.5	2.5
15	256QAM	36	39	18.82	18.76	18.78		
15	256QAM	75	0	18.77	18.81	18.86		
Channel				37800	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.38	21.45	21.31		
10	QPSK	1	25	21.40	21.29	21.34	23	0
10	QPSK	1	49	21.27	21.28	21.28		
10	QPSK	25	0	21.24	21.38	21.24		
10	QPSK	25	12	21.33	21.30	21.17	23	0
10	QPSK	25	25	21.32	21.28	21.24		
10	QPSK	50	0	21.27	21.39	21.22		
10	16QAM	1	0	21.28	21.32	21.18		
10	16QAM	1	25	21.24	21.29	21.19	23	0
10	16QAM	1	49	21.23	21.22	21.15		
10	16QAM	25	0	21.18	21.28	21.05		
10	16QAM	25	12	21.30	21.26	21.11	23	0
10	16QAM	25	25	21.24	21.19	21.19		
10	16QAM	50	0	21.23	21.30	21.23		
10	64QAM	1	0	21.35	21.33	21.24		
10	64QAM	1	25	21.29	21.26	21.20	23	0
10	64QAM	1	49	21.17	21.10	21.07		
10	64QAM	25	0	20.85	20.95	20.92		
10	64QAM	25	12	20.82	20.83	20.74	22.5	0.5
10	64QAM	25	25	20.77	20.78	20.68		
10	64QAM	50	0	20.76	20.83	20.73		
10	256QAM	1	0	18.80	18.93	18.89		
10	256QAM	1	25	18.85	18.82	18.79	20.5	2.5
10	256QAM	1	49	18.89	18.84	18.73		
10	256QAM	25	0	18.84	18.76	18.63		
10	256QAM	25	12	18.87	18.75	18.77	20.5	2.5
10	256QAM	25	25	18.84	18.73	18.86		
10	256QAM	50	0	18.79	18.87	18.82		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.32	21.43	21.30		
5	QPSK	1	12	21.31	21.35	21.28	23	0
5	QPSK	1	24	21.33	21.33	21.19		
5	QPSK	12	0	21.29	21.37	21.21		
5	QPSK	12	7	21.32	21.26	21.18	23	0
5	QPSK	12	13	21.31	21.27	21.23		
5	QPSK	25	0	21.25	21.33	21.27		
5	16QAM	1	0	21.26	21.27	21.27		
5	16QAM	1	12	21.23	21.27	21.17	23	0
5	16QAM	1	24	21.27	21.23	21.18		
5	16QAM	12	0	21.20	21.25	21.12		
5	16QAM	12	7	21.21	21.17	21.12	23	0
5	16QAM	12	13	21.25	21.18	21.10		
5	16QAM	25	0	21.21	21.28	21.21		
5	64QAM	1	0	21.28	21.37	21.20		
5	64QAM	1	12	21.29	21.31	21.14	23	0
5	64QAM	1	24	21.24	21.12	21.10		
5	64QAM	12	0	20.86	20.94	20.92		
5	64QAM	12	7	20.81	20.75	20.77	22.5	0.5
5	64QAM	12	13	20.88	20.77	20.67		
5	64QAM	25	0	20.75	20.90	20.71		
5	256QAM	1	0	18.86	18.93	18.85		
5	256QAM	1	12	18.78	18.75	18.75	20.5	2.5
5	256QAM	1	24	18.87	18.78	18.66		
5	256QAM	12	0	18.81	18.80	18.71		
5	256QAM	12	7	18.85	18.69	18.67	20.5	2.5
5	256QAM	12	13	18.80	18.72	18.82		
5	256QAM	25	0	18.70	18.87	18.83		

Band 41 Ant6 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.50	21.45	21.52	21.47	21.49		
20	QPSK	1	49	21.39	21.44	21.48	21.37	21.45	23	0
20	QPSK	1	99	21.32	21.46	21.38	21.27	21.28		
20	QPSK	50	0	21.44	21.38	21.45	21.34	21.33		
20	QPSK	50	24	21.20	21.37	21.31	21.26	21.30	23	0
20	QPSK	50	50	21.40	21.43	21.41	21.41	21.40		
20	QPSK	100	0	21.37	21.35	21.40	21.32	21.39		
20	16QAM	1	0	21.29	21.41	21.34	21.34	21.23		
20	16QAM	1	49	21.30	21.27	21.34	21.25	21.26	23	0
20	16QAM	1	99	21.25	21.28	21.36	21.19	21.34		
20	16QAM	50	0	21.29	21.36	21.39	21.19	21.37		
20	16QAM	50	24	21.33	21.38	21.34	21.21	21.32	23	0
20	16QAM	50	50	21.18	21.26	21.27	21.22	21.24		
20	16QAM	100	0	21.27	21.40	21.38	21.33	21.32		
20	64QAM	1	0	21.35	21.40	21.40	21.39	21.36		
20	64QAM	1	49	21.34	21.37	21.37	21.33	21.31	23	0
20	64QAM	1	99	21.20	21.33	21.30	21.20	21.21		
20	64QAM	50	0	20.97	20.96	20.99	20.97	20.87		
20	64QAM	50	24	20.88	20.98	20.94	20.84	20.82	22.5	0.5
20	64QAM	50	50	20.79	20.87	20.87	20.81	20.75		
20	64QAM	100	0	20.96	20.92	20.99	20.86	20.97		
20	256QAM	1	0	18.97	18.93	19.06	18.98	19.00		
20	256QAM	1	49	18.85	18.93	18.94	18.94	18.89	20.5	2.5
20	256QAM	1	99	18.88	18.90	18.93	18.79	18.88		
20	256QAM	50	0	18.83	18.92	18.89	18.78	18.83		
20	256QAM	50	24	18.68	18.89	18.79	18.83	18.67	20.5	2.5
20	256QAM	50	50	18.72	18.90	18.84	18.90	18.75		
20	256QAM	100	0	18.98	18.90	19.00	18.87	18.90		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.42	21.41	21.47	21.42	21.48		
15	QPSK	1	37	21.32	21.42	21.41	21.30	21.35	23	0
15	QPSK	1	74	21.26	21.45	21.27	21.17	21.27		
15	QPSK	36	0	21.33	21.28	21.39	21.24	21.28		
15	QPSK	36	20	21.16	21.28	21.29	21.26	21.24	23	0
15	QPSK	36	39	21.38	21.42	21.38	21.40	21.40		
15	QPSK	75	0	21.34	21.35	21.37	21.25	21.37		
15	16QAM	1	0	21.23	21.33	21.30	21.29	21.17		
15	16QAM	1	37	21.28	21.25	21.28	21.24	21.19	23	0
15	16QAM	1	74	21.23	21.21	21.34	21.11	21.32		
15	16QAM	36	0	21.24	21.28	21.39	21.18	21.36		
15	16QAM	36	20	21.23	21.33	21.22	21.16	21.22	23	0
15	16QAM	36	39	21.10	21.19	21.23	21.20	21.17		
15	16QAM	75	0	21.17	21.37	21.30	21.32	21.30		
15	64QAM	1	0	21.26	21.33	21.28	21.38	21.31		
15	64QAM	1	37	21.33	21.32	21.27	21.28	21.27	23	0
15	64QAM	1	74	21.09	21.33	21.19	21.10	21.15		
15	64QAM	36	0	20.87	20.86	20.93	20.88	20.78		
15	64QAM	36	20	20.77	20.94	20.86	20.82	20.71	22.5	0.5
15	64QAM	36	39	20.70	20.84	20.86	20.78	20.68		
15	64QAM	75	0	20.93	20.85	20.90	20.79	20.88		
15	256QAM	1	0	18.85	18.83	19.01	18.88	18.90		
15	256QAM	1	37	18.74	18.89	18.89	18.87	18.79	20.5	2.5
15	256QAM	1	74	18.79	18.82	18.82	18.78	18.88		
15	256QAM	36	0	18.80	18.90	18.85	18.68	18.75		
15	256QAM	36	20	18.61	18.88	18.70	18.73	18.57	20.5	2.5
15	256QAM	36	39	18.61	18.87	18.75	18.84	18.73		
15	256QAM	75	0	18.89	18.87	19.00	18.87	18.84		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.45	21.44	21.49	21.38	21.38		
10	QPSK	1	25	21.32	21.34	21.45	21.33	21.35	23	0
10	QPSK	1	49	21.24	21.37	21.29	21.21	21.17		
10	QPSK	25	0	21.33	21.27	21.45	21.27	21.30		
10	QPSK	25	12	21.17	21.25	21.22	21.16	21.27	23	0
10	QPSK	25	25	21.38	21.34	21.37	21.35	21.39		
10	QPSK	50	0	21.36	21.25	21.29	21.27	21.37		
10	16QAM	1	0	21.20	21.37	21.24	21.30	21.17		
10	16QAM	1	25	21.26	21.21	21.22	21.18	21.18	23	0
10	16QAM	1	49	21.16	21.21	21.30	21.13	21.25		
10	16QAM	25	0	21.23	21.30	21.30	21.17	21.36		
10	16QAM	25	12	21.32	21.38	21.30	21.14	21.26	23	0
10	16QAM	25	25	21.13	21.21	21.20	21.17	21.17		
10	16QAM	50	0	21.18	21.32	21.27	21.28	21.32		
10	64QAM	1	0	21.33	21.38	21.34	21.38	21.35		
10	64QAM	1	25	21.29	21.32	21.29	21.26	21.27	23	0
10	64QAM	1	49	21.18	21.31	21.25	21.12	21.15		
10	64QAM	25	0	20.92	20.95	20.94	20.86	20.81		
10	64QAM	25	12	20.83	20.91	20.84	20.82	20.74	22.5	0.5
10	64QAM	25	25	20.74	20.76	20.80	20.78	20.73		
10	64QAM	50	0	20.85	20.80	20.90	20.82	20.93		
10	256QAM	1	0	18.94	18.91	18.94	18.98	18.88		
10	256QAM	1	25	18.76	18.86	18.91	18.86	18.85	20.5	2.5
10	256QAM	1	49	18.82	18.79	18.89	18.75	18.76		
10	256QAM	25	0	18.78	18.84	18.86	18.77	18.76		
10	256QAM	25	12	18.60	18.84	18.73	18.76	18.64	20.5	2.5
10	256QAM	25	25	18.61	18.90	18.81	18.85	18.71		
10	256QAM	50	0	18.87	18.83	18.90	18.87	18.80		
Channel				39675	40148	40620	41093	41565	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.43	21.37	21.46	21.42	21.46		
5	QPSK	1	12	21.29	21.37	21.43	21.27	21.42	23	0
5	QPSK	1	24	21.31	21.40	21.35	21.23	21.16		
5	QPSK	12	0	21.43	21.27	21.35	21.29	21.29		
5	QPSK	12	7	21.15	21.29	21.29	21.22	21.29	23	0
5	QPSK	12	13	21.32	21.41	21.34	21.29	21.38		
5	QPSK	25	0	21.36	21.27	21.36	21.31	21.38		
5	16QAM	1	0	21.17	21.40	21.27	21.30	21.19		
5	16QAM	1	12	21.18	21.18	21.32	21.19	21.15	23	0
5	16QAM	1	24	21.19	21.26	21.28	21.17	21.25		
5	16QAM	12	0	21.27	21.32	21.31	21.10	21.34		
5	16QAM	12	7	21.32	21.31	21.28	21.18	21.22	23	0
5	16QAM	12	13	21.17	21.23	21.18	21.14	21.23		
5	16QAM	25	0	21.26	21.35	21.36	21.26	21.31		
5	64QAM	1	0	21.26	21.32	21.38	21.32	21.30		
5	64QAM	1	12	21.30	21.27	21.31	21.25	21.23	23	0
5	64QAM	1	24	21.09	21.24	21.23	21.13	21.11		
5	64QAM	12	0	20.90	20.86	20.96	20.93	20.79		
5	64QAM	12	7	20.87	20.92	20.83	20.80	20.73	22.5	0.5
5	64QAM	12	13	20.79	20.81	20.77	20.75	20.74		
5	64QAM	25	0	20.85	20.82	20.93	20.77	20.97		
5	256QAM	1	0	18.90	18.92	19.05	18.89	18.95		
5	256QAM	1	12	18.80	18.91	18.91	18.82	18.85	20.5	2.5
5	256QAM	1	24	18.80	18.88	18.83	18.76	18.86		
5	256QAM	12	0	18.79	18.89	18.86	18.70	18.73		
5	256QAM	12	7	18.64	18.77	18.71	18.76	18.65	20.5	2.5
5	256QAM	12	13	18.72	18.82	18.82	18.85	18.64		
5	256QAM	25	0	18.89	18.89	18.97	18.85	18.82		

Band 42 Ant6 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	19.75	19.78	19.73		
20	QPSK	1	49	19.74	19.67	19.71	21.3	0
20	QPSK	1	99	19.64	19.74	19.70		
20	QPSK	50	0	19.74	19.77	19.66		
20	QPSK	50	24	19.74	19.70	19.70	21.3	0
20	QPSK	50	50	19.73	19.70	19.65		
20	QPSK	100	0	19.72	19.75	19.71		
20	16QAM	1	0	19.69	19.69	19.72		
20	16QAM	1	49	19.65	19.64	19.59	21.3	0
20	16QAM	1	99	19.57	19.70	19.61		
20	16QAM	50	0	19.72	19.74	19.61		
20	16QAM	50	24	19.62	19.61	19.61	21.3	0
20	16QAM	50	50	19.62	19.59	19.57		
20	16QAM	100	0	19.67	19.72	19.68		
20	64QAM	1	0	19.72	19.67	19.72		
20	64QAM	1	49	19.69	19.64	19.70	21.3	0
20	64QAM	1	99	19.58	19.64	19.69		
20	64QAM	50	0	18.72	18.77	18.73		
20	64QAM	50	24	18.76	18.63	18.70	20.3	1
20	64QAM	50	50	18.65	18.77	18.73		
20	64QAM	100	0	18.76	18.81	18.67		
20	256QAM	1	0	16.79	16.79	16.71		
20	256QAM	1	49	16.79	16.70	16.77	18.3	3
20	256QAM	1	99	16.58	16.77	16.73		
20	256QAM	50	0	16.78	16.74	16.67		
20	256QAM	50	24	16.78	16.73	16.71	18.3	3
20	256QAM	50	50	16.74	16.73	16.60		
20	256QAM	100	0	16.74	16.74	16.71		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	19.69	19.69	19.67		
15	QPSK	1	37	19.68	19.63	19.58	21.3	0
15	QPSK	1	74	19.60	19.69	19.68		
15	QPSK	36	0	19.63	19.68	19.55		
15	QPSK	36	20	19.67	19.62	19.64	21.3	0
15	QPSK	36	39	19.62	19.63	19.52		
15	QPSK	75	0	19.64	19.62	19.62		
15	16QAM	1	0	19.60	19.59	19.68		
15	16QAM	1	37	19.62	19.61	19.55	21.3	0
15	16QAM	1	74	19.49	19.60	19.56		
15	16QAM	36	0	19.67	19.68	19.55		
15	16QAM	36	20	19.55	19.48	19.51	21.3	0
15	16QAM	36	39	19.53	19.54	19.45		
15	16QAM	75	0	19.60	19.69	19.60		
15	64QAM	1	0	19.69	19.63	19.66		
15	64QAM	1	37	19.57	19.55	19.59	21.3	0
15	64QAM	1	74	19.47	19.56	19.64		
15	64QAM	36	0	18.65	18.64	18.69		
15	64QAM	36	20	18.74	18.57	18.66	20.3	1
15	64QAM	36	39	18.62	18.65	18.62		
15	64QAM	75	0	18.66	18.74	18.64		
15	256QAM	1	0	16.70	16.66	16.64		
15	256QAM	1	37	16.75	16.60	16.67	18.3	3
15	256QAM	1	74	16.49	16.65	16.60		
15	256QAM	36	0	16.69	16.66	16.60		
15	256QAM	36	20	16.69	16.65	16.68	18.3	3
15	256QAM	36	39	16.68	16.66	16.49		
15	256QAM	75	0	16.60	16.72	16.64		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	19.69	19.73	19.62		
10	QPSK	1	25	19.71	19.64	19.61	21.3	0
10	QPSK	1	49	19.61	19.60	19.61		
10	QPSK	25	0	19.63	19.69	19.54		
10	QPSK	25	12	19.64	19.65	19.64	21.3	0
10	QPSK	25	25	19.70	19.63	19.61		
10	QPSK	50	0	19.69	19.73	19.61		
10	16QAM	1	0	19.64	19.60	19.66		
10	16QAM	1	25	19.57	19.53	19.54	21.3	0
10	16QAM	1	49	19.46	19.66	19.59		
10	16QAM	25	0	19.59	19.63	19.49		
10	16QAM	25	12	19.49	19.55	19.58	21.3	0
10	16QAM	25	25	19.56	19.57	19.52		
10	16QAM	50	0	19.56	19.70	19.61		
10	64QAM	1	0	19.69	19.57	19.64		
10	64QAM	1	25	19.59	19.60	19.59	21.3	0
10	64QAM	1	49	19.55	19.58	19.62		
10	64QAM	25	0	18.68	18.64	18.60		
10	64QAM	25	12	18.65	18.55	18.57	20.3	1
10	64QAM	25	25	18.56	18.69	18.65		
10	64QAM	50	0	18.64	18.77	18.55		
10	256QAM	1	0	16.71	16.74	16.63		
10	256QAM	1	25	16.66	16.60	16.75	18.3	3
10	256QAM	1	49	16.51	16.72	16.67		
10	256QAM	25	0	16.70	16.60	16.61		
10	256QAM	25	12	16.65	16.60	16.63	18.3	3
10	256QAM	25	25	16.62	16.68	16.52		
10	256QAM	50	0	16.64	16.67	16.63		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	19.71	19.68	19.61		
5	QPSK	1	12	19.61	19.63	19.61	21.3	0
5	QPSK	1	24	19.51	19.62	19.61		
5	QPSK	12	0	19.68	19.63	19.60		
5	QPSK	12	7	19.68	19.57	19.61	21.3	0
5	QPSK	12	13	19.63	19.64	19.59		
5	QPSK	25	0	19.64	19.62	19.66		
5	16QAM	1	0	19.65	19.56	19.67		
5

		WCDMA II Ant7 DSI 5				WCDMA IV Ant7 DSI 5			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	19.81	19.94	19.81	21.30	19.44	19.52	19.38	21.00
3GPP Rel 99	RMC 12.2Kbps	19.94	19.96	19.85	21.30	19.48	19.58	19.42	21.00
3GPP Rel 6	HSDPA Subtest-1	18.93	18.98	18.88	20.30	18.50	18.58	18.50	20.00
3GPP Rel 6	HSDPA Subtest-2	18.88	18.92	18.97	20.30	18.50	18.51	18.55	20.00
3GPP Rel 6	HSDPA Subtest-3	18.35	18.44	18.45	19.80	17.98	18.04	18.01	19.50
3GPP Rel 6	HSDPA Subtest-4	18.39	18.54	18.43	19.80	18.04	18.17	17.98	19.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.94	18.94	18.92	20.30	18.58	18.48	18.55	20.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.88	18.90	18.80	20.30	18.44	18.47	18.37	20.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.37	18.41	18.41	19.80	17.92	18.04	18.03	19.50
3GPP Rel 8	DC-HSDPA Subtest-4	18.38	18.41	18.33	19.80	18.00	17.99	17.92	19.50
3GPP Rel 6	HSUPA Subtest-1	18.87	18.96	18.88	20.30	18.53	18.60	18.46	20.00
3GPP Rel 6	HSUPA Subtest-2	16.96	16.95	16.84	18.30	16.57	16.52	16.47	18.00
3GPP Rel 6	HSUPA Subtest-3	17.93	17.94	17.84	19.30	17.55	17.52	17.38	19.00
3GPP Rel 6	HSUPA Subtest-4	16.99	17.00	16.93	18.30	16.62	16.64	16.58	18.00
3GPP Rel 6	HSUPA Subtest-5	18.91	18.92	18.92	20.30	18.56	18.54	18.47	20.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.46	16.46	16.42	17.80	16.04	16.09	16.07	17.50

Band 2 Ant7 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1850	1880	1900		
20	QPSK	1	0	19.61	19.65	19.63		
20	QPSK	1	49	19.57	19.52	19.61	21.1	0
20	QPSK	1	99	19.58	19.67	19.53		
20	QPSK	50	0	19.08	19.20	19.15		
20	QPSK	50	24	19.02	19.02	19.14	20.6	0.5
20	QPSK	50	50	19.09	19.06	19.04		
20	QPSK	100	0	19.16	19.18	19.11		
20	16QAM	1	0	19.07	19.15	19.11		
20	16QAM	1	49	19.13	19.00	19.10	20.6	0.5
20	16QAM	1	99	19.10	19.15	19.04		
20	16QAM	50	0	18.04	18.07	18.20		
20	16QAM	50	24	18.00	18.05	18.11	19.6	1.5
20	16QAM	50	50	18.10	18.02	18.03		
20	16QAM	100	0	18.18	18.19	18.10		
20	64QAM	1	0	18.06	18.18	18.12		
20	64QAM	1	49	18.14	17.96	18.13	19.6	1.5
20	64QAM	1	99	18.04	18.10	18.06		
20	64QAM	50	0	17.05	17.14	17.17		
20	64QAM	50	24	16.98	16.96	17.14	18.6	2.5
20	64QAM	50	50	17.06	17.12	17.01		
20	64QAM	100	0	17.11	17.19	17.12		
20	256QAM	1	0	15.12	15.24	15.21		
20	256QAM	1	49	15.00	15.00	15.09	16.6	4.5
20	256QAM	1	99	15.12	15.05	15.06		
20	256QAM	50	0	15.12	15.19	15.07		
20	256QAM	50	24	15.01	15.14	15.12	16.6	4.5
20	256QAM	50	50	15.08	15.03	15.06		
20	256QAM	100	0	15.09	15.18	15.11		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.54	19.58	19.59		
15	QPSK	1	37	19.54	19.49	19.55	21.1	0
15	QPSK	1	74	19.49	19.61	19.50		
15	QPSK	36	0	18.96	19.15	19.13		
15	QPSK	36	20	18.96	18.93	19.14	20.6	0.5
15	QPSK	36	39	18.97	19.02	18.95		
15	QPSK	75	0	19.05	19.17	19.02		
15	16QAM	1	0	18.98	19.13	19.07		
15	16QAM	1	37	19.06	18.92	18.99	20.6	0.5
15	16QAM	1	74	18.99	19.12	19.00		
15	16QAM	36	0	17.94	18.17	18.13		
15	16QAM	36	20	17.95	17.97	18.02	19.6	1.5
15	16QAM	36	39	18.07	17.92	18.00		
15	16QAM	75	0	18.10	18.16	18.07		
15	64QAM	1	0	18.06	18.13	18.04		
15	64QAM	1	37	18.02	17.88	18.02	19.6	1.5
15	64QAM	1	74	18.02	18.05	17.98		
15	64QAM	36	0	17.03	17.12	17.07		
15	64QAM	36	20	16.91	16.91	17.02	18.6	2.5
15	64QAM	36	39	16.98	17.01	16.96		
15	64QAM	75	0	17.09	17.08	17.00		
15	256QAM	1	0	15.08	15.18	15.12		
15	256QAM	1	37	15.14	15.05	15.00	16.6	4.5
15	256QAM	1	74	15.04	15.04	15.05		
15	256QAM	36	0	15.00	15.12	15.02		
15	256QAM	36	20	15.01	15.13	15.08	16.6	4.5
15	256QAM	36	39	15.16	15.09	15.04		
15	256QAM	75	0	15.03	15.07	15.03		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.55	19.56	19.54		
10	QPSK	1	25	19.56	19.42	19.57	21.1	0
10	QPSK	1	49	19.51	19.56	19.43		
10	QPSK	25	0	18.97	19.13	19.13		
10	QPSK	25	12	18.99	19.01	19.04	20.6	0.5
10	QPSK	25	25	19.02	19.01	19.03		
10	QPSK	50	0	19.12	19.08	19.00		
10	16QAM	1	0	18.96	19.04	19.03		
10	16QAM	1	25	19.07	18.93	19.07	20.6	0.5
10	16QAM	1	49	19.02	19.03	19.02		
10	16QAM	25	0	17.99	18.12	18.17		
10	16QAM	25	12	17.91	18.00	18.00	19.6	1.5
10	16QAM	25	25	18.00	17.94	17.93		
10	16QAM	50	0	18.18	18.15	18.10		
10	64QAM	1	0	18.03	18.17	18.06		
10	64QAM	1	25	18.05	17.84	18.10	19.6	1.5
10	64QAM	1	49	18.03	18.05	17.98		
10	64QAM	25	0	16.93	17.02	17.14		
10	64QAM	25	12	16.88	16.86	17.13	18.6	2.5
10	64QAM	25	25	16.96	17.04	16.91		
10	64QAM	50	0	17.01	17.15	17.08		
10	256QAM	1	0	15.01	15.18	15.20		
10	256QAM	1	25	15.13	15.08	15.06	16.6	4.5
10	256QAM	1	49	15.12	15.02	15.04		
10	256QAM	25	0	15.11	15.11	15.01		
10	256QAM	25	12	15.06	15.06	15.03	16.6	4.5
10	256QAM	25	25	15.04	15.03	15.00		
10	256QAM	50	0	15.06	15.16	15.09		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	19.54	19.57	19.53		
5	QPSK	1	12	19.57	19.44	19.53	21.1	0
5	QPSK	1	24	19.55	19.55	19.44		
5	QPSK	12	0	18.99	19.14	19.10		
5	QPSK	12	7	19.01	18.91	19.09	20.6	0.5
5	QPSK	12	13	19.03	18.95	19.04		
5	QPSK	25	0	19.09	19.08	19.00		
5	16QAM	1	0	19.00	19.13	19.05		
5	16QAM	1	12	19.11	18.91	19.00	20.6	0.5
5	16QAM	1	24	19.03	19.05	18.94		
5	16QAM	12	0	18.01	18.06	18.19		
5	16QAM	12	7	17.90	18.03	18.04	19.6	1.5
5	16QAM	12	13	18.05	17.96	17.95		
5	16QAM	25	0	18.13	18.10	18.03		
5	64QAM	1	0	17.96	18.07	18.11		
5	64QAM	1	12	18.09	17.84	18.08	19.6	1.5
5	64QAM	1	24	18.03	18.02	17.96		
5	64QAM	12	0	17.05	17.02	17.16		
5	64QAM	12	7	16.94	16.91	17.03	18.6	2.5
5	64QAM	12	13	16.95	17.05	16.90		
5	64QAM	25	0	17.06	17.16	17.09		
5	256QAM	1	0	15.04	15.16	15.11		
5	256QAM	1	12	15.00	15.10	15.06	16.6	4.5
5	256QAM	1	24	15.10	15.06	15.05		
5	256QAM	12	0	15.06	15.12	15.03		
5	256QAM	12	7	15.10	15.13	15.04	16.6	4.5
5	256QAM	12	13	15.09	15.08	15.02		
5	256QAM	25	0	15.02	15.11	15.09		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.59	19.55	19.62		
3	QPSK	1	8	19.51	19.51	19.56	21.1	0
3	QPSK	1	14	19.49	19.58	19.50		
3	QPSK	8	0	19.01	19.08	19.11		
3	QPSK	8	4	18.95	18.94	19.06	20.6	0.5
3	QPSK	8	7	19.01	18.97	19.01		
3	QPSK	15	0	19.10	19.07	19.10		
3	16QAM	1	0	19.00	19.10	19.10		
3	16QAM	1	8	19.10	18.96	19.05	20.6	0.5
3	16QAM	1	14	19.07	19.15	18.96		
3	16QAM	8	0	17.93	18.06	18.08		
3	16QAM	8	4	17.97	17.97	18.02	19.6	1.5
3	16QAM	8	7	18.03	17.96	17.97		
3	16QAM	15	0	18.12	18.11	18.08		
3	64QAM	1	0	18.01	18.10	18.04		
3	64QAM	1	8	18.09	17.94	18.08	19.6	1.5
3	64QAM	1	14	17.97	18.02	17.95		
3	64QAM	8	0	16.97	17.04	17.12		
3	64QAM	8	4	16.93	16.88	17.02	18.6	2.5
3	64QAM	8	7	16.98	17.07	16.99		
3	64QAM	15	0	16.99	17.13	17.09		
3	256QAM	1	0	15.04	15.19	15.10		
3	256QAM	1	8	15.15	15.06	15.05	16.6	4.5
3	256QAM	1	14	15.07	15.09	15.00		
3	256QAM	8	0	15.04	15.08	15.04		
3	256QAM	8	4	15.12	15.04	15.03	16.6	4.5
3	256QAM	8	7	15.06	15.13	15.03		
3	256QAM	15	0	15.04	15.15	15.08		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.57	19.60	19.58		
1.4	QPSK	1	3	19.48	19.48	19.53		
1.4	QPSK	1	5	19.49	19.56	19.46	21.1	0
1.4	QPSK	3	0	19.46	19.54	19.53		
1.4	QPSK	3	1	19.44	19.38	19.44		
1.4	QPSK	3	3	19.39	19.49	19.43		
1.4	QPSK	6	0	19.05	19.12	19.06	20.6	0.5
1.4	16QAM	1	0	19.01	19.05	19.02		
1.4	16QAM	1	3	19.12	18.88	19.05		
1.4	16QAM	1	5	19.03	19.07	18.98	20.6	0.5
1.4	16QAM	3	0	18.97	19.09	19.05		
1.4	16QAM	3	1	19.00	18.97	18.93		
1.4	16QAM	3	3	19.12	18.86	18.98		
1.4	16QAM	6	0	18.08	18.11	17.99	19.6	1.5
1.4	64QAM	1	0	17.99	18.17	18.05		
1.4	64QAM	1	3	18.07	17.88	18.10		
1.4	64QAM	1	5	18.01	18.07	17.97	19.6	1.5
1.4	64QAM	3	0	18.08	18.06	17.97		
1.4	64QAM	3	1	17.88	18.11	17.99		
1.4	64QAM	3	3	18.02	17.84	18.08		
1.4	64QAM	6	0	16.99	17.13	17.03	18.6	2.5
1.4	256QAM	1	0	15.01	15.15	15.20		
1.4	256QAM	1	3	15.09	15.12	15.01		
1.4	256QAM	1	5	15.02	15.11	15.04	16.6	4.5
1.4	256QAM	3	0	15.06	15.09	15.01		
1.4	256QAM	3	1	15.01	15.10	15.09		
1.4	256QAM	3	3	15.09	15.06	15.04		
1.4	256QAM	6	0	15.11	15.15	15.00	16.6	4.5

Band 4 Ant7 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	17.52	17.56	17.48		
20	QPSK	1	49	17.44	17.48	17.43	19	0
20	QPSK	1	99	17.41	17.46	17.43		
20	QPSK	50	0	17.39	17.53	17.39		
20	QPSK	50	24	17.47	17.45	17.42	19	0
20	QPSK	50	50	17.40	17.48	17.46		
20	QPSK	100	0	17.40	17.51	17.43		
20	16QAM	1	0	17.48	17.49	17.37		
20	16QAM	1	49	17.33	17.45	17.32	19	0
20	16QAM	1	99	17.37	17.42	17.37		
20	16QAM	50	0	17.30	17.46	17.30		
20	16QAM	50	24	17.39	17.40	17.31	19	0
20	16QAM	50	50	17.36	17.43	17.43		
20	16QAM	100	0	17.36	17.43	17.36		
20	64QAM	1	0	17.40	17.50	17.32		
20	64QAM	1	49	17.32	17.42	17.41	19	0
20	64QAM	1	99	17.38	17.38	17.39		
20	64QAM	50	0	17.34	17.44	17.30		
20	64QAM	50	24	17.45	17.36	17.39	19	0
20	64QAM	50	50	17.34	17.43	17.41		
20	64QAM	100	0	17.32	17.40	17.31		
20	256QAM	1	0	15.51	15.57	15.45		
20	256QAM	1	49	15.44	15.48	15.49	17	2
20	256QAM	1	99	15.36	15.49	15.37		
20	256QAM	50	0	15.43	15.56	15.39		
20	256QAM	50	24	15.51	15.43	15.44	17	2
20	256QAM	50	50	15.37	15.46	15.43		
20	256QAM	100	0	15.42	15.46	15.42		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	17.45	17.43	17.43		
15	QPSK	1	37	17.40	17.47	17.33	19	0
15	QPSK	1	74	17.31	17.37	17.34		
15	QPSK	36	0	17.33	17.49	17.28		
15	QPSK	36	20	17.45	17.37	17.33	19	0
15	QPSK	36	39	17.28	17.41	17.41		
15	QPSK	75	0	17.29	17.45	17.36		
15	16QAM	1	0	17.34	17.40	17.30		
15	16QAM	1	37	17.24	17.36	17.25	19	0
15	16QAM	1	74	17.32	17.23	17.23		
15	16QAM	36	0	17.26	17.37	17.18		
15	16QAM	36	20	17.26	17.27	17.25	19	0
15	16QAM	36	39	17.28	17.29	17.33		
15	16QAM	75	0	17.30	17.41	17.31		
15	64QAM	1	0	17.29	17.44	17.28		
15	64QAM	1	37	17.21	17.35	17.37	19	0
15	64QAM	1	74	17.26	17.29	17.26		
15	64QAM	36	0	17.23	17.33	17.19		
15	64QAM	36	20	17.21	17.30	17.25	19	0
15	64QAM	36	39	17.21	17.38	17.38		
15	64QAM	75	0	17.28	17.33	17.26		
15	256QAM	1	0	15.41	15.52	15.34		
15	256QAM	1	37	15.31	15.46	15.30	17	2
15	256QAM	1	74	15.28	15.41	15.30		
15	256QAM	36	0	15.32	15.46	15.35		
15	256QAM	36	20	15.38	15.32	15.36	17	2
15	256QAM	36	39	15.28	15.36	15.33		
15	256QAM	75	0	15.39	15.35	15.34		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	17.39	17.40	17.40		
10	QPSK	1	25	17.36	17.38	17.40	19	0
10	QPSK	1	49	17.30	17.36	17.36		
10	QPSK	25	0	17.27	17.45	17.34		
10	QPSK	25	12	17.40	17.41	17.30	19	0
10	QPSK	25	25	17.32	17.36	17.32		
10	QPSK	50	0	17.37	17.43	17.34		
10	16QAM	1	0	17.37	17.37	17.31		
10	16QAM	1	25	17.28	17.41	17.28	19	0
10	16QAM	1	49	17.29	17.37	17.29		
10	16QAM	25	0	17.28	17.36	17.19		
10	16QAM	25	12	17.29	17.37	17.28	19	0
10	16QAM	25	25	17.27	17.31	17.33		
10	16QAM	50	0	17.29	17.41	17.26		
10	64QAM	1	0	17.35	17.46	17.37		
10	64QAM	1	25	17.27	17.38	17.35	19	0
10	64QAM	1	49	17.31	17.24	17.36		
10	64QAM	25	0	17.30	17.33	17.22		
10	64QAM	25	12	17.37	17.22	17.33	19	0
10	64QAM	25	25	17.25	17.31	17.33		
10	64QAM	50	0	17.25	17.38	17.19		
10	256QAM	1	0	15.43	15.55	15.36		
10	256QAM	1	25	15.39	15.42	15.35	17	2
10	256QAM	1	49	15.23	15.41	15.33		
10	256QAM	25	0	15.40	15.52	15.27		
10	256QAM	25	12	15.32	15.38	15.38	17	2
10	256QAM	25	25	15.32	15.40	15.38		
10	256QAM	50	0	15.29	15.38	15.32		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	17.45	17.45	17.39		
5	QPSK	1	12	17.33	17.37	17.30	19	0
5	QPSK	1	24	17.37	17.33	17.33		
5	QPSK	12	0	17.29	17.43	17.31		
5	QPSK	12	7	17.41	17.40	17.35	19	0
5	QPSK	12	13	17.31	17.46	17.38		
5	QPSK	25	0	17.35	17.39	17.38		
5	16QAM	1	0	17.45	17.41	17.31		
5	16QAM	1	12	17.34	17.34	17.25	19	0
5	16QAM	1	24	17.30	17.30	17.32		
5	16QAM	12	0	17.31	17.42	17.23		
5	16QAM	12	7	17.25	17.35	17.21	19	0
5	16QAM	12	13	17.27	17.34	17.34		
5	16QAM	25	0	17.28	17.35	17.24		
5	64QAM	1	0	17.36	17.42	17.28		
5	64QAM	1	12	17.18	17.31	17.38	19	0
5	64QAM	1	24	17.27	17.37	17.31		
5	64QAM	12	0	17.27	17.34	17.18		
5	64QAM	12	7	17.35	17.32	17.30	19	0
5	64QAM	12	13	17.28	17.35	17.34		
5	64QAM	25	0	17.29	17.42	17.29		
5	256QAM	1	0	15.41	15.55	15.37		
5	256QAM	1	12	15.40	15.45	15.35	17	2
5	256QAM	1	24	15.25	15.45	15.25		
5	256QAM	12	0	15.32	15.43	15.27		
5	256QAM	12	7	15.48	15.31	15.31	17	2
5	256QAM	12	13	15.31	15.44	15.37		
5	256QAM	25	0	15.36	15.34	15.35		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	17.49	17.51	17.37		
3	QPSK	1	8	17.35	17.39	17.37	19	0
3	QPSK	1	14	17.36	17.38	17.35		
3	QPSK	8	0	17.41	17.47	17.29		
3	QPSK	8	4	17.44	17.42	17.39	19	0
3	QPSK	8	7	17.36	17.37	17.37		
3	QPSK	15	0	17.28	17.39	17.41		
3	16QAM	1	0	17.38	17.34	17.34		
3	16QAM	1	8	17.30	17.32	17.30	19	0
3	16QAM	1	14	17.27	17.32	17.27		
3	16QAM	8	0	17.25	17.40	17.22		
3	16QAM	8	4	17.31	17.36	17.28	19	0
3	16QAM	8	7	17.31	17.32	17.39		
3	16QAM	15	0	17.27	17.30	17.29		
3	64QAM	1	0	17.27	17.45	17.30		
3	64QAM	1	8	17.37	17.37	17.36	19	0
3	64QAM	1	14	17.31	17.34	17.27		
3	64QAM	8	0	17.21	17.30	17.21		
3	64QAM	8	4	17.42	17.27	17.35	19	0
3	64QAM	8	7	17.22	17.37	17.39		
3	64QAM	15	0	17.24	17.30	17.19		
3	256QAM	1	0	15.39	15.45	15.41		
3	256QAM	1	8	15.31	15.45	15.35	17	2
3	256QAM	1	14	15.28	15.41	15.33		
3	256QAM	8	0	15.36	15.51	15.36		
3	256QAM	8	4	15.43	15.34	15.41	17	2
3	256QAM	8	7	15.26	15.44	15.38		
3	256QAM	15	0	15.34	15.32	15.32		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	17.47	17.47	17.42		
1.4	QPSK	1	3	17.38	17.42	17.40		
1.4	QPSK	1	5	17.35	17.42	17.37	19	0
1.4	QPSK	3	0	17.29	17.43	17.25		
1.4	QPSK	3	1	17.35	17.36	17.28		
1.4	QPSK	3	3	17.28	17.34	17.42		
1.4	QPSK	6	0	17.32	17.40	17.29	19	0
1.4	16QAM	1	0	17.37	17.42	17.34		
1.4	16QAM	1	3	17.26	17.36	17.24		
1.4	16QAM	1	5	17.34	17.38	17.26	19	0
1.4	16QAM	3	0	17.25	17.42	17.22		
1.4	16QAM	3	1	17.28	17.36	17.28		
1.4	16QAM	3	3	17.28	17.41	17.40		
1.4	16QAM	6	0	17.30	17.35	17.27	19	0
1.4	64QAM	1	0	17.36	17.40	17.38		
1.4	64QAM	1	3	17.20	17.30	17.36		
1.4	64QAM	1	5	17.31	17.34	17.26	19	0
1.4	64QAM	3	0	17.31	17.31	17.19		
1.4	64QAM	3	1	17.37	17.29	17.27		
1.4	64QAM	3	3	17.23	17.37	17.33		
1.4	64QAM	6	0	17.25	17.30	17.26	19	0
1.4	256QAM	1	0	15.46	15.54	15.42		
1.4	256QAM	1	3	15.36	15.39	15.46		
1.4	256QAM	1	5	15.27	15.43	15.24	17	2
1.4	256QAM	3	0	15.35	15.52	15.25		
1.4	256QAM	3	1	15.47	15.37	15.39		
1.4	256QAM	3	3	15.29	15.38	15.34		
1.4	256QAM	6	0	15.40	15.33	15.36	17	2

Band 7 Ant7 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.25	18.31	18.29		
20	QPSK	1	49	18.17	18.29	18.27	19.7	0
20	QPSK	1	99	18.20	18.24	18.25		
20	QPSK	50	0	18.23	18.27	18.24		
20	QPSK	50	24	18.12	18.22	18.25	19.7	0
20	QPSK	50	50	18.15	18.21	18.16		
20	QPSK	100	0	18.19	18.24	18.22		
20	16QAM	1	0	18.12	18.22	18.25		
20	16QAM	1	49	18.10	18.25

Band 66 Ant7 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	17.13	17.16	17.11		
20	QPSK	1	49	17.00	17.11	16.99	18.6	0
20	QPSK	1	99	17.11	17.05	17.01		
20	QPSK	50	0	17.03	17.13	16.97		
20	QPSK	50	24	17.03	17.11	17.00	18.6	0
20	QPSK	50	50	17.07	17.04	17.08		
20	QPSK	100	0	17.00	17.12	16.97		
20	16QAM	1	0	17.08	17.10	17.07		
20	16QAM	1	49	16.94	17.03	16.93	18.6	0
20	16QAM	1	99	17.08	16.92	16.97		
20	16QAM	50	0	16.92	17.09	16.94		
20	16QAM	50	24	17.01	17.07	16.92	18.6	0
20	16QAM	50	50	17.02	16.97	16.97		
20	16QAM	100	0	16.95	17.09	16.94		
20	64QAM	1	0	17.02	17.06	17.05		
20	64QAM	1	49	16.98	17.06	16.97	18.6	0
20	64QAM	1	99	17.08	16.94	16.99		
20	64QAM	50	0	16.93	17.06	16.91		
20	64QAM	50	24	16.97	17.02	16.92	18.6	0
20	64QAM	50	50	16.95	16.99	17.04		
20	64QAM	100	0	16.94	17.04	16.83		
20	256QAM	1	0	15.64	15.67	15.62		
20	256QAM	1	49	15.47	15.57	15.53	17.1	1.5
20	256QAM	1	99	15.55	15.52	15.47		
20	256QAM	50	0	15.53	15.63	15.42		
20	256QAM	50	24	15.58	15.62	15.49	17.1	1.5
20	256QAM	50	50	15.58	15.48	15.57		
20	256QAM	100	0	15.54	15.62	15.46		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	17.03	17.03	17.07		
15	QPSK	1	37	16.93	17.01	16.96	18.6	0
15	QPSK	1	74	16.99	16.92	16.94		
15	QPSK	36	0	16.89	17.06	16.87		
15	QPSK	36	20	16.97	17.05	16.96	18.6	0
15	QPSK	36	39	17.03	16.95	16.94		
15	QPSK	75	0	16.96	17.10	16.87		
15	16QAM	1	0	17.00	17.05	17.00		
15	16QAM	1	37	16.91	16.96	16.85	18.6	0
15	16QAM	1	74	16.99	16.84	16.95		
15	16QAM	36	0	16.82	17.04	16.83		
15	16QAM	36	20	16.92	17.02	16.81	18.6	0
15	16QAM	36	39	16.92	16.95	16.83		
15	16QAM	75	0	16.93	17.01	16.90		
15	64QAM	1	0	16.93	16.98	16.92		
15	64QAM	1	37	16.87	17.02	16.83	18.6	0
15	64QAM	1	74	17.02	16.91	16.88		
15	64QAM	36	0	16.89	16.95	16.78		
15	64QAM	36	20	16.95	16.98	16.87	18.6	0
15	64QAM	36	39	16.86	16.95	17.00		
15	64QAM	75	0	16.82	16.95	16.72		
15	256QAM	1	0	15.61	15.61	15.55		
15	256QAM	1	37	15.40	15.52	15.48	17.1	1.5
15	256QAM	1	74	15.48	15.49	15.44		
15	256QAM	36	0	15.46	15.59	15.31		
15	256QAM	36	20	15.51	15.58	15.35	17.1	1.5
15	256QAM	36	39	15.45	15.38	15.54		
15	256QAM	75	0	15.51	15.58	15.33		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	17.07	17.10	17.00		
10	QPSK	1	25	16.96	17.02	16.87	18.6	0
10	QPSK	1	49	17.07	16.91	16.96		
10	QPSK	25	0	16.96	17.08	16.94		
10	QPSK	25	12	16.96	17.02	16.95	18.6	0
10	QPSK	25	25	17.04	16.97	17.04		
10	QPSK	50	0	16.94	17.10	16.93		
10	16QAM	1	0	16.94	17.02	16.95		
10	16QAM	1	25	16.84	17.01	16.89	18.6	0
10	16QAM	1	49	16.96	16.84	16.93		
10	16QAM	25	0	16.85	16.97	16.85		
10	16QAM	25	12	16.91	17.04	16.80	18.6	0
10	16QAM	25	25	16.94	16.91	16.85		
10	16QAM	50	0	16.84	17.01	16.86		
10	64QAM	1	0	16.95	17.01	17.02		
10	64QAM	1	25	16.94	17.01	16.83	18.6	0
10	64QAM	1	49	16.95	16.85	16.94		
10	64QAM	25	0	16.90	17.03	16.80		
10	64QAM	25	12	16.87	16.93	16.83	18.6	0
10	64QAM	25	25	16.81	16.95	16.96		
10	64QAM	50	0	16.87	16.92	16.69		
10	256QAM	1	0	15.59	15.56	15.56		
10	256QAM	1	25	15.43	15.45	15.48	17.1	1.5
10	256QAM	1	49	15.52	15.45	15.42		
10	256QAM	25	0	15.51	15.57	15.30		
10	256QAM	25	12	15.49	15.57	15.46	17.1	1.5
10	256QAM	25	25	15.44	15.41	15.50		
10	256QAM	50	0	15.43	15.52	15.35		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	17.09	17.14	17.07		
5	QPSK	1	12	16.98	17.08	16.97	18.6	0
5	QPSK	1	24	17.05	16.94	16.96		
5	QPSK	12	0	16.97	17.04	16.91		
5	QPSK	12	7	16.93	17.07	16.90	18.6	0
5	QPSK	12	13	16.99	16.95	17.01		
5	QPSK	25	0	16.89	17.03	16.86		
5	16QAM	1	0	17.02	17.02	16.96		
5	16QAM	1	12	16.86	17.00	16.86	18.6	0
5	16QAM	1	24	16.95	16.85	16.88		
5	16QAM	12	0	16.83	16.97	16.82		
5	16QAM	12	7	16.96	16.93	16.87	18.6	0
5	16QAM	12	13	16.93	16.90	16.90		
5	16QAM	25	0	16.83	17.06	16.88		
5	64QAM	1	0	16.96	16.98	16.96		
5	64QAM	1	12	16.90	16.97	16.94	18.6	0
5	64QAM	1	24	16.97	16.81	16.89		
5	64QAM	12	0	16.89	16.96	16.89		
5	64QAM	12	7	16.95	16.94	16.87	18.6	0
5	64QAM	12	13	16.89	16.94	16.95		
5	64QAM	25	0	16.82	16.92	16.71		
5	256QAM	1	0	15.57	15.57	15.58		
5	256QAM	1	12	15.36	15.53	15.50	17.1	1.5
5	256QAM	1	24	15.51	15.40	15.42		
5	256QAM	12	0	15.39	15.53	15.33		
5	256QAM	12	7	15.53	15.51	15.36	17.1	1.5
5	256QAM	12	13	15.45	15.36	15.50		
5	256QAM	25	0	15.45	15.59	15.40		
Channel				131967	132322	132677	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	16.99	17.14	17.02		
3	QPSK	1	8	16.87	17.07	16.87	18.6	0
3	QPSK	1	14	17.05	17.02	16.93		
3	QPSK	8	0	16.89	17.08	16.84		
3	QPSK	8	4	16.94	17.08	16.96	18.6	0
3	QPSK	8	7	16.98	16.95	17.00		
3	QPSK	15	0	16.94	17.01	16.88		
3	16QAM	1	0	16.98	16.97	16.96		
3	16QAM	1	8	16.84	16.95	16.82	18.6	0
3	16QAM	1	14	16.99	16.79	16.93		
3	16QAM	8	0	16.84	16.97	16.82		
3	16QAM	8	4	16.95	16.95	16.89	18.6	0
3	16QAM	8	7	16.98	16.90	16.94		
3	16QAM	15	0	16.92	16.96	16.91		
3	64QAM	1	0	16.93	16.96	16.97		
3	64QAM	1	8	16.95	16.92	16.93	18.6	0
3	64QAM	1	14	17.00	16.90	16.90		
3	64QAM	8	0	16.87	16.99	16.87		
3	64QAM	8	4	16.86	16.90	16.79	18.6	0
3	64QAM	8	7	16.81	16.89	16.98		
3	64QAM	15	0	16.82	16.92	16.70		
3	256QAM	1	0	15.53	15.61	15.56		
3	256QAM	1	8	15.44	15.47	15.41	17.1	1.5
3	256QAM	1	14	15.53	15.47	15.34		
3	256QAM	8	0	15.48	15.55	15.34		
3	256QAM	8	4	15.45	15.50	15.41	17.1	1.5
3	256QAM	8	7	15.44	15.37	15.53		
3	256QAM	15	0	15.49	15.52	15.37		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	17.04	17.03	16.97		
1.4	QPSK	1	3	16.93	16.98	16.96		
1.4	QPSK	1	5	17.03	16.96	16.92	18.6	0
1.4	QPSK	3	0	17.01	17.00	16.83		
1.4	QPSK	3	1	17.00	17.05	16.88		
1.4	QPSK	3	3	16.96	16.99	16.99		
1.4	QPSK	6	0	16.94	17.04	16.93	18.6	0
1.4	16QAM	1	0	17.03	17.07	16.95		
1.4	16QAM	1	3	16.87	16.93	16.80		
1.4	16QAM	1	5	16.96	16.84	16.85	18.6	0
1.4	16QAM	3	0	16.81	17.01	16.88		
1.4	16QAM	3	1	16.90	16.94	16.85		
1.4	16QAM	3	3	16.93	16.90	16.95		
1.4	16QAM	6	0	16.84	17.04	16.90	18.6	0
1.4	64QAM	1	0	16.99	17.04	16.95		
1.4	64QAM	1	3	16.91	16.92	16.92		
1.4	64QAM	1	5	17.04	16.84	16.97	18.6	0
1.4	64QAM	3	0	16.79	16.99	16.83		
1.4	64QAM	3	1	16.92	16.95	16.78		
1.4	64QAM	3	3	16.83	16.94	17.00		
1.4	64QAM	6	0	16.92	16.90	16.73	18.6	0
1.4	256QAM	1	0	15.57	15.64	15.54		
1.4	256QAM	1	3	15.36	15.49	15.57		
1.4	256QAM	1	5	15.51	15.49	15.42	17.1	1.5
1.4	256QAM	3	0	15.44	15.50	15.37		
1.4	256QAM	3	1	15.51	15.59	15.46		
1.4	256QAM	3	3	15.52	15.35	15.45		
1.4	256QAM	6	0	15.40	15.59	15.35	17.1	1.5

Band 38 Ant7 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.61	19.65	19.58	21.3	0
20	QPSK	1	49	19.58	19.60	19.44		
20	QPSK	1	99	19.54	19.53	19.47		
20	QPSK	50	0	19.50	19.62	19.47	21.3	0
20	QPSK	50	24	19.50	19.59	19.49		
20	QPSK	50	50	19.58	19.55	19.51		
20	QPSK	100	0	19.52	19.58	19.53		
20	16QAM	1	0	19.51	19.55	19.52	21.3	0
20	16QAM	1	49	19.48	19.50	19.38		
20	16QAM	1	99	19.48	19.41	19.34		
20	16QAM	50	0	19.45	19.52	19.37	21.3	0
20	16QAM	50	24	19.41	19.48	19.41		
20	16QAM	50	50	19.55	19.52	19.43		
20	16QAM	100	0	19.39	19.54	19.44		
20	64QAM	1	0	19.52	19.51	19.48	21.3	0
20	64QAM	1	49	19.50	19.53	19.35		
20	64QAM	1	99	19.47	19.41	19.36		
20	64QAM	50	0	18.60	18.67	18.56	20.3	1
20	64QAM	50	24	18.53	18.56	18.46		
20	64QAM	50	50	18.54	18.51	18.47		
20	64QAM	100	0	18.47	18.63	18.51		
20	256QAM	1	0	16.62	16.70	16.64	18.3	3
20	256QAM	1	49	16.61	16.57	16.38		
20	256QAM	1	99	16.52	16.58	16.44		
20	256QAM	50	0	16.51	16.62	16.52	18.3	3
20	256QAM	50	24	16.55	16.59	16.44		
20	256QAM	50	50	16.54	16.56	16.57		
20	256QAM	100	0	16.50	16.53	16.52		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.57	19.58	19.55	21.3	0
15	QPSK	1	37	19.60	19.52	19.46		
15	QPSK	1	74	19.52	19.46	19.46		
15	QPSK	36	0	19.43	19.63	19.48	21.3	0
15	QPSK	36	20	19.44	19.62	19.46		
15	QPSK	36	39	19.53	19.58	19.54		
15	QPSK	75	0	19.47	19.61	19.45		
15	16QAM	1	0	19.52	19.51	19.53	21.3	0
15	16QAM	1	37	19.48	19.47	19.33		
15	16QAM	1	74	19.49	19.42	19.37		
15	16QAM	36	0	19.43	19.53	19.30	21.3	0
15	16QAM	36	20	19.33	19.41	19.36		
15	16QAM	36	39	19.47	19.55	19.45		
15	16QAM	75	0	19.38	19.51	19.47		
15	64QAM	1	0	19.52	19.45	19.43	21.3	0
15	64QAM	1	37	19.46	19.55	19.38		
15	64QAM	1	74	19.46	19.36	19.37		
15	64QAM	36	0	18.63	18.70	18.49	20.3	1
15	64QAM	36	20	18.52	18.51	18.44		
15	64QAM	36	39	18.50	18.52	18.51		
15	64QAM	75	0	18.41	18.66	18.51		
15	256QAM	1	0	16.64	16.64	16.61	18.3	3
15	256QAM	1	37	16.61	16.56	16.30		
15	256QAM	1	74	16.45	16.56	16.45		
15	256QAM	36	0	16.51	16.63	16.46	18.3	3
15	256QAM	36	20	16.52	16.58	16.39		
15	256QAM	36	39	16.54	16.49	16.55		
15	256QAM	75	0	16.45	16.55	16.47		
Channel				37800	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.59	19.61	19.58	21.3	0
10	QPSK	1	25	19.61	19.64	19.47		
10	QPSK	1	49	19.58	19.46	19.40		
10	QPSK	25	0	19.52	19.60	19.41	21.3	0
10	QPSK	25	12	19.50	19.60	19.48		
10	QPSK	25	25	19.53	19.56	19.48		
10	QPSK	50	0	19.54	19.59	19.53		
10	16QAM	1	0	19.55	19.53	19.45	21.3	0
10	16QAM	1	25	19.45	19.45	19.34		
10	16QAM	1	49	19.43	19.38	19.37		
10	16QAM	25	0	19.42	19.53	19.38	21.3	0
10	16QAM	25	12	19.41	19.52	19.35		
10	16QAM	25	25	19.52	19.47	19.44		
10	16QAM	50	0	19.37	19.47	19.38		
10	64QAM	1	0	19.45	19.45	19.47	21.3	0
10	64QAM	1	25	19.48	19.57	19.38		
10	64QAM	1	49	19.49	19.42	19.38		
10	64QAM	25	0	18.64	18.62	18.57	20.3	1
10	64QAM	25	12	18.47	18.54	18.39		
10	64QAM	25	25	18.52	18.52	18.48		
10	64QAM	50	0	18.45	18.59	18.51		
10	256QAM	1	0	16.54	16.62	16.67	18.3	3
10	256QAM	1	25	16.54	16.58	16.38		
10	256QAM	1	49	16.55	16.56	16.44		
10	256QAM	25	0	16.44	16.66	16.49	18.3	3
10	256QAM	25	12	16.51	16.63	16.41		
10	256QAM	25	25	16.56	16.49	16.56		
10	256QAM	50	0	16.51	16.47	16.50		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.61	19.62	19.53	21.3	0
5	QPSK	1	12	19.62	19.57	19.42		
5	QPSK	1	24	19.48	19.50	19.46		
5	QPSK	12	0	19.54	19.62	19.43	21.3	0
5	QPSK	12	7	19.49	19.60	19.43		
5	QPSK	12	13	19.57	19.56	19.47		
5	QPSK	25	0	19.44	19.53	19.47		
5	16QAM	1	0	19.52	19.58	19.54	21.3	0
5	16QAM	1	12	19.41	19.46	19.31		
5	16QAM	1	24	19.42	19.38	19.30		
5	16QAM	12	0	19.45	19.49	19.33	21.3	0
5	16QAM	12	7	19.42	19.41	19.39		
5	16QAM	12	13	19.49	19.55	19.43		
5	16QAM	25	0	19.32	19.57	19.39		
5	64QAM	1	0	19.45	19.46	19.49	21.3	0
5	64QAM	1	12	19.45	19.52	19.32		
5	64QAM	1	24	19.40	19.42	19.31		
5	64QAM	12	0	18.59	18.69	18.50	20.3	1
5	64QAM	12	7	18.51	18.55	18.50		
5	64QAM	12	13	18.47	18.51	18.41		
5	64QAM	25	0	18.42	18.55	18.55		
5	256QAM	1	0	16.58	16.69	16.58	18.3	3
5	256QAM	1	12	16.63	16.52	16.32		
5	256QAM	1	24	16.48	16.52	16.45		
5	256QAM	12	0	16.54	16.68	16.49	18.3	3
5	256QAM	12	7	16.50	16.57	16.38		
5	256QAM	12	13	16.55	16.57	16.50		
5	256QAM	25	0	16.49	16.50	16.44		

Band 41 Ant7 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.68	19.71	19.74	19.66	19.69	21.3	0
20	QPSK	1	49	19.67	19.63	19.67	19.56	19.59		
20	QPSK	1	99	19.62	19.60	19.69	19.66	19.66		
20	QPSK	50	0	19.66	19.66	19.71	19.61	19.62	21.3	0
20	QPSK	50	24	19.64	19.64	19.70	19.65	19.59		
20	QPSK	50	50	19.66	19.62	19.65	19.64	19.62		
20	QPSK	100	0	19.58	19.61	19.70	19.62	19.65		
20	16QAM	1	0	19.67	19.65	19.62	19.59	19.59	21.3	0
20	16QAM	1	49	19.67	19.54	19.65	19.53	19.50		
20	16QAM	1	99	19.56	19.58	19.66	19.64	19.57		
20	16QAM	50	0	19.65	19.65	19.65	19.53	19.59	21.3	0
20	16QAM	50	24	19.63	19.63	19.63	19.56	19.57		
20	16QAM	50	50	19.63	19.55	19.57	19.63	19.61		
20	16QAM	100	0	19.46	19.54	19.64	19.61	19.64		
20	64QAM	1	0	19.59	19.70	19.67	19.65	19.61	21.3	0
20	64QAM	1	49	19.65	19.57	19.56	19.53	19.54		
20	64QAM	1	99	19.52	19.57	19.60	19.57	19.66		
20	64QAM	50	0	18.68	18.69	18.77	18.71	18.68	20.3	1
20	64QAM	50	24	18.61	18.57	18.71	18.54	18.55		
20	64QAM	50	50	18.66	18.65	18.71	18.64	18.68		
20	64QAM	100	0	18.61	18.65	18.74	18.64	18.58		
20	256QAM	1	0	16.65	16.73	16.77	16.70	16.63	18.3	3
20	256QAM	1	49	16.63	16.61	16.67	16.57	16.64		
20	256QAM	1	99	16.61	16.63	16.68	16.68	16.66		
20	256QAM	50	0	16.67	16.64	16.66	16.58	16.68	18.3	3
20	256QAM	50	24	16.69	16.62	16.69	16.67	16.58		
20	256QAM	50	50	16.67	16.63	16.59	16.64	16.66		
20	256QAM	100	0	16.60	16.66	16.65	16.64	16.61		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.60	19.58	19.63	19.55	19.57	21	0
15	QPSK	1	37	19.59	19.60	19.58	19.42	19.47		
15	QPSK	1	74	19.51	19.50	19.59	19.58	19.61		
15	QPSK	36	0	19.52	19.59	19.65	19.54	19.51	21.3	0
15	QPSK	36	20	19.56	19.60	19.63	19.52	19.53		
15	QPSK	36	39	19.60	19.57	19.57	19.61	19.51		
15	QPSK	75	0	19.46	19.48	19.57	19.52	19.58		
15	16QAM	1	0	19.61	19.52	19.53	19.56	19.57	21.3	0
15	16QAM	1	37	19.58	19.51	19.52	19.41	19.40		
15	16QAM	1	74	19.49	19.51	19.56	19.62	19.47		
15	16QAM	36	0	19.58	19.63	19.58	19.50	19.48	21.3	0
15	16QAM	36	20	19.50	19.50	19.53	19.51	19.47		
15	16QAM	36	39	19.50	19.48	19.54	19.60	19.58		
15	16QAM	75	0	19.39	19.42	19.54	19.49	19.59		
15	64QAM	1	0	19.48	19.62	19.56	19.56	19.52	21.3	0
15	64QAM	1	37	19.57	19.45	19.50	19.50	19.48		
15	64QAM	1	74	19.38	19.55	19.47	19.49	19.63		
15	64QAM	36	0	18.62	18.62	18.74	18.62	18.55	20.3	1
15	64QAM	36	20	18.48	18.52	18.69	18.47	18.46		
15	64QAM	36	39	18.55	18.63	18.61	18.55	18.57		
15	64QAM	75	0	18.59	18.53	18.69	18.59	18.49		
15	256QAM	1	0	16.52	16.70	16.75	16.64	16.55	18.3	3
15	256QAM	1	37	16.58	16.50	16.56	16.44	16.50		
15	256QAM	1	74	16.53	16.53	16.56	16.57	16.62		
15	256QAM	36	0	16.59	16.58	16.54	16.45	16.63	18.3	3
15	256QAM	36	20	16.55	16.52	16.56	16.58	16.45		
15	256QAM	36	39	16.55	16.52	16.47	16.59	16.60		
15	256QAM	75	0	16.56	16.62	16.56	16.56	16.54		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.54	19.63	19.70	19.58	19.59	21	0
10	QPSK	1	25	19.56	19.60	19.58	19.54	19.45		
10	QPSK	1	49	19.53	19.46	19.65	19.54	19.54		
10	QPSK	25	0	19.59	19.57	19.64	19.55	19.55	21.3	0
10	QPSK	25	12	19.54	19.58	19.62	19.55	19.53		
10	QPSK	25	25	19.63	19.51	19.55	19.60	19.54		
10	QPSK	50	0	19.56	19.55	19.58	19.58	19.58		
10	16QAM	1	0	19.58	19.60	19.53	19.55	19.48	21.3	0
10	16QAM	1	25	19.56	19.44	19.63	19.47	19.43		
10	16QAM	1	49	19.45	19.53	19.54	19.53	19.53		
10	16QAM	25	0	19.61	19.53	19.54	19.49	19.48	21.3	0
10	16QAM	25	12	19.53	19.59	19.57	19.54	19.43		
10	16QAM	25	25	19.59	19.44	19.51	19.55	19.52		
10	16QAM	50	0	19.38	19.41	19.61	19.48	19.53		
10	64QAM	1	0	19.50	19.58	19.64	19.55	19.49	21.3	0
10	64QAM	1	25	19.51	19.52	19.47	19.49	19.47		
10	64QAM	1	49	19.39	19.52	19.52	19.51	19.61		
10	64QAM	25	0	18.62	18.61	18.72	18.61	18.54	20.3	1
10	64QAM	25	12	18.47	18.44	18.66	18.50	18.50		
10	64QAM	25	25	18.52	18.51	18.67	18.53	18.59		
10	64QAM	50	0	18.48	18.52	18.67	18.51	18.49		
10	256QAM	1	0	16.53	16.60	16.70	16.60	16.60	18.3	3
10	256QAM	1	25	16.57	16.50	16.57	16.48	16.53		
10	256QAM	1	49	16.57	16.54	16.58	16.55	16.52		
10	256QAM	25	0	16.54	16.51	16.53	16.53	16.57	18.3	3
10	256QAM	25	12	16.60	16.50	16.58	16.57	16.48		
10	256QAM	25	25	16.59	16.56	16.51	16.61	16.57		
10	256QAM	50	0	16.57	16.62	16.54	16.55	16.55		
Channel				39675	40148	40620	41093	41565	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.65	19.69	19.65	19.58	19.61	21	0
5	QPSK	1	12	19.61	19.57	19.61	19.49	19.45		
5	QPSK	1	24	19.56	19.57	19.66	19.53	19.58		
5	QPSK	12	0	19.64	19.53	19.61	19.53	19.52	21.3	0
5	QPSK	12	7	19.59	19.52	19.65	19.60	19.53		
5	QPSK	12	13	19.61	19.53	19.52	19.60	19.54		
5	QPSK	25	0	19.54	19.50	19.59	19.57	19.61		
5	16QAM	1	0	19.63	19.52	19.52	19.55	19.57	21.3	0
5	16QAM	1	12	19.61	19.47	19.52	19.46	19.38		
5	16QAM	1	24	19.43	19.49	19.62	19.55	19.54		
5	16QAM	12	0	19.54	19.58	19.53	19.49	19.55	21.3	0
5	16QAM	12	7	19.49	19.57	19.59	19.44	19.49		
5	16QAM	12	13	19.58	19.47	19.45	19.50	19.51		
5	16QAM	25	0	19.42	19.51	19.51	19.58	19.60		
5	64QAM	1	0	19.53	19.62	19.55	19.61	19.51	21.3	0
5	64QAM	1	12	19.51	19.47	19.49	19.48	19.47		
5	64QAM	1	24	19.48	19.55	19.48	19.47	19.61		
5	64QAM	12	0	18.60	18.61	18.64	18.63	18.63	20.3	1
5	64QAM	12	7	18.55	18.46	18.59	18.46	18.42		
5	64QAM	12	13	18.58	18.53	18.68	18.53	18.54		
5	64QAM	25	0	18.56	18.57	18.69	18.56	18.54		
5	256QAM	1	0	16.61	16.70	16.68	16.59	16.58	18.3	3
5	256QAM	1	12	16.57	16.50	16.63	16.44	16.59		
5	256QAM	1	24	16.51	16.51	16.63	16.55	16.62		
5	256QAM	12	0	16.61	16.60	16.61	16.46	16.58	18.3	3
5	256QAM	12	7	16.55	16.56	16.57	16.65	16.46		
5	256QAM	12	13	16.55	16.55	16.53	16.58	16.56		
5	256QAM	25	0	16.57	16.52	16.56	16.53	16.51		

Band 42 Ant10 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.92	24.08	23.97	25	0
20	QPSK	1	49	23.95	24.07	23.98		
20	QPSK	1	99	23.97	24.01	24.01		
20	QPSK	50	0	23.95	24.07	24.03	25	0
20	QPSK	50	24	23.90	24.06	24.00		
20	QPSK	50	50	23.86	24.03	23.95		
20	QPSK	100	0	23.94	24.07	23.99		
20	16QAM	1	0	23.92	24.03	23.95	25	0
20	16QAM	1	49	23.89	24.02	23.92		
20	16QAM	1	99	23.87	24.03	23.98		
20	16QAM	50	0	22.96	23.01	22.91	24	1
20	16QAM	50	24	22.98	23.04	22.91		
20	16QAM	50	50	22.94	23.08	23.01		
20	16QAM	100	0	22.86	23.05	22.96		
20	64QAM	1	0	22.89	23.04	22.91	24	1
20	64QAM	1	49	22.87	22.97	23.03		
20	64QAM	1	99	22.89	23.01	22.93		
20	64QAM	50	0	21.96	22.08	21.97	23	2
20	64QAM	50	24	21.87	22.02	21.92		
20	64QAM	50	50	21.90	22.06	21.92		
20	64QAM	100	0	21.97	22.00	21.92		
20	256QAM	1	0	19.90	19.99	19.96	21	4
20	256QAM	1	49	19.87	19.98	20.02		
20	256QAM	1	99	19.95	20.04	20.00		
20	256QAM	50	0	19.95	19.97	19.93	21	4
20	256QAM	50	24	19.94	20.08	19.94		
20	256QAM	50	50	19.88	20.01	19.95		
20	256QAM	100	0	19.93	20.04	19.96		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	23.86	23.87	23.82	25	0
15	QPSK	1	37	23.81	24.01	23.91		
15	QPSK	1	74	23.88	23.86	23.92		
15	QPSK	36	0	23.90	23.94	23.98	25	0
15	QPSK	36	20	23.80	23.92	23.88		
15	QPSK	36	39	23.78	23.93	23.80		
15	QPSK	75	0	23.83	23.92	23.95		
15	16QAM	1	0	23.84	23.96	23.88	25	0
15	16QAM	1	37	23.78	23.93	23.87		
15	16QAM	1	74	23.73	23.98	23.83		
15	16QAM	36	0	22.80	22.91	22.80	24	1
15	16QAM	36	20	22.90	22.93	22.87		
15	16QAM	36	39	22.85	22.95	22.93		
15	16QAM	75	0	22.80	22.90	22.92		
15	64QAM	1	0	22.78	22.99	22.85	24	1
15	64QAM	1	37	22.80	22.90	22.97		
15	64QAM	1	74	22.75	22.90	22.87		
15	64QAM	36	0	21.84	22.00	21.83	23	2
15	64QAM	36	20	21.77	21.97	21.81		
15	64QAM	36	39	21.86	21.96	21.86		
15	64QAM	75	0	21.83	21.96	21.85		
15	256QAM	1	0	19.74	19.86	19.84	21	4
15	256QAM	1	37	19.71	19.83	19.93		
15	256QAM	1	74	19.87	19.97	19.93		
15	256QAM	36	0	19.89	19.90	19.88	21	4
15	256QAM	36	20	19.87	20.02	19.84		
15	256QAM	36	39	19.76	19.90	19.80		
15	256QAM	75	0	19.80	19.93	19.90		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	23.82	23.97	23.87	25	0
10	QPSK	1	25	23.83	23.97	23.89		
10	QPSK	1	49	23.86	23.87	23.95		
10	QPSK	25	0	23.83	23.95	23.97	25	0
10	QPSK	25	12	23.82	23.93	23.94		
10	QPSK	25	25	23.75	23.90	23.88		
10	QPSK	50	0	23.84	23.95	23.94	25	0
10	16QAM	1	0	23.81	23.90	23.80		
10	16QAM	1	25	23.84	23.88	23.87		
10	16QAM	1	49	23.83	23.88	23.86		
10	16QAM	25	0	22.83	22.94	22.81	24	1
10	16QAM	25	12	22.94	22.89	22.87		
10	16QAM	25	25	22.89	22.94	22.86		
10	16QAM	50	0	22.80	22.99	22.84		
10	64QAM	1	0	22.74	22.89	22.80	24	1
10	64QAM	1	25	22.71	22.88	22.89		
10	64QAM	1	49	22.77	22.89	22.86		
10	64QAM	25	0	21.81	21.93	21.90	23	2
10	64QAM	25	12	21.81	21.93	21.84		
10	64QAM	25	25	21.75	22.00	21.77		
10	64QAM	50	0	21.83	21.88	21.81		
10	256QAM	1	0	19.77	19.91	19.87	21	4
10	256QAM	1	25	19.76	19.87	19.94		
10	256QAM	1	49	19.87	19.93	19.91		
10	256QAM	25	0	19.87	19.93	19.82	21	4
10	256QAM	25	12	19.89	19.99	19.87		
10	256QAM	25	25	19.80	19.93	19.89		
10	256QAM	50	0	19.77	19.91	19.83		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	23.78	23.89	23.81	25	0
5	QPSK	1	12	23.80	23.97	23.82		
5	QPSK	1	24	23.92	23.92	23.95		
5	QPSK	12	0	23.87	23.98	23.95	25	0
5	QPSK	12	7	23.82	24.01	23.92		
5	QPSK	12	13	23.79	23.93	23.90		
5	QPSK	25	0	23.87	23.93	23.92		
5	16QAM	1	0	23.81	23.94	23.90	25	0
5	16QAM	1	12	23.79	23.96	23.77		
5	16QAM	1	24	23.83	23.97	23.91		
5	16QAM	12	0	22.88	22.85	22.78	24	1
5	16QAM	12	7	22.89	22.98	22.85		
5	16QAM	12	13	22.86	23.03	22.93		
5	16QAM	25	0	22.73	22.91	22.89		
5	64QAM	1	0	22.81	22.91	22.79	24	1
5	64QAM	1	12	22.73	22.86	22.95		
5	64QAM	1	24	22.80	22.89	22.88		
5	64QAM	12	0	21.91	22.00	21.89	23	2
5	64QAM	12	7	21.82	21.88	21.79		
5	64QAM	12	13	21.77	21.94	21.86		
5	64QAM	25	0	21.83	21.94	21.77		
5	256QAM	1	0	19.79	19.89	19.81	21	4
5	256QAM	1	12	19.81	19.86	19.96		
5	256QAM	1	24	19.82	19.88	19.90		
5	256QAM	12	0	19.79	19.83	19.87	21	4
5	256QAM	12	7	19.79	19.94	19.87		
5	256QAM	12	13	19.80	19.86	19.80		
5	256QAM	25	0	19.77	19.93	19.90		

Band 48 Ant10 DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	23.29	23.57	23.31	23.36	25	0
20	QPSK	1	49	23.37	23.38	23.30	23.36		
20	QPSK	1	99	23.46	23.47	23.39	23.40		
20	QPSK	50	0	22.48	22.61	22.50	22.47	24	1
20	QPSK	50	24	22.47	22.51	22.49	22.54		
20	QPSK	50	50	22.33	22.59	22.45	22.48		
20	QPSK	100	0	22.32	22.57	22.38	22.51		
20	16QAM	1	0	22.43	22.56	22.40	22.47	24	1
20	16QAM	1	49	22.52	22.55	22.55	22.52		
20	16QAM	1	99	22.44	22.52	22.42	22.52		
20	16QAM	50	0	21.40	21.59	21.42	21.40	23	2
20	16QAM	50	24	21.46	21.59	21.47	21.54		
20	16QAM	50	50	21.42	21.49	21.48	21.41		
20	16QAM	100	0	21.42	21.59	21.38	21.45		
20	64QAM	1	0	21.41	21.54	21.41	21.51	23	2
20	64QAM	1	49	21.40	21.50	21.40	21.46		
20	64QAM	1	99	21.37	21.56	21.39	21.42		
20	64QAM	50	0	20.35	20.53	20.39	20.47	22	3
20	64QAM	50	24	20.38	20.60	20.39	20.50		
20	64QAM	50	50	20.48	20.66	20.47	20.41		
20	64QAM	100	0	20.46	20.58	20.43	20.41		
20	256QAM	1	0	18.37	18.52	18.51	18.36	20	5
20	256QAM	1	49	18.47	18.55	18.52	18.46		
20	256QAM	1	99	18.49	18.47	18.41	18.39		
20	256QAM	50	0	18.51	18.49	18.45	18.49	20	5
20	256QAM	50	24	18.42	18.55	18.40	18.39		
20	256QAM	50	50	18.52	18.59	18.49	18.47		
20	256QAM	100	0	18.43	18.51	18.48	18.51		
Channel				55315	55820	56160	56665	Tune-up limit	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	23.21	23.48	23.22	23.22	25	0
15	QPSK	1	37	23.30	23.31	23.22	23.26		
15	QPSK	1	74	23.40	23.33	23.33	23.25		
15	QPSK	36	0	22.36	22.48	22.42	22.32	24	1
15	QPSK	36	20	22.32	22.41	22.35	22.40		
15	QPSK	36	39	22.23	22.44	22.34	22.38		
15	QPSK	75	0	22.18	22.42	22.30	22.40		
15	16QAM	1	0	22.28	22.42	22.30	22.35	24	1
15	16QAM	1	37	22.44	22.48	22.42	22.40		
15	16QAM	1	74	22.31	22.38	22.35	22.38		
15	16QAM	36	0	21.35	21.54	21.36	21.35	23	2
15	16QAM	36	20	21.34	21.43	21.40	21.49		
15	16QAM	36	39	21.27	21.40	21.41	21.31		
15	16QAM	75	0	21.37	21.53	21.26	21.40		
15	64QAM	1	0	21.37	21.46	21.34	21.39	23	2
15	64QAM	1	37	21.28	21.37	21.26	21.33		
15	64QAM	1	74	21.23	21.42	21.23	21.35		
15	64QAM	36	0	20.29	20.37	20.29	20.33	22	3
15	64QAM	36	20	20.32	20.55	20.33	20.37		
15	64QAM	36	39	20.42	20.51	20.36	20.32		
15	64QAM	75	0	20.31	20.43	20.29	20.36		
15	256QAM	1	0	18.30	18.48	18.38	18.27	20	5
15	256QAM	1	37	18.31	18.46	18.41	18.36		
15	256QAM	1	74	18.35	18.38	18.36	18.24		
15	256QAM	36	0	18.38	18.41	18.40	18.45	20	5
15	256QAM	36	20	18.36	18.46	18.33	18.23		
15	256QAM	36	39	18.36	18.50	18.44	18.33		
15	256QAM	75	0	18.31	18.45	18.36	18.35		
Channel				55290	55815	56165	56690	Tune-up limit	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	23.23	23.44	23.18	23.24	25	0
10	QPSK	1	25	23.31	23.33	23.14	23.22		
10	QPSK	1	49	23.41	23.34	23.31	23.27		
10	QPSK	25	0	22.37	22.47	22.34	22.42	24	1
10	QPSK	25	12	22.37	22.39	22.36	22.40		
10	QPSK	25	25	22.23	22.49	22.37	22.38		
10	QPSK	50	0	22.22	22.41	22.25	22.38	24	1
10	16QAM	1	0	22.34	22.44	22.25	22.32		
10	16QAM	1	25	22.42	22.45	22.49	22.40		
10	16QAM	1	49	22.33	22.46	22.32	22.41		
10	16QAM	25	0	21.30	21.52	21.30	21.30	23	2
10	16QAM	25	12	21.36	21.47	21.31	21.49		
10	16QAM	25	25	21.38	21.39	21.43	21.28		
10	16QAM	50	0	21.36	21.47	21.25	21.37	23	2
10	64QAM	1	0	21.36	21.40	21.34	21.44		
10	64QAM	1	25	21.32	21.34	21.27	21.36		
10	64QAM	1	49	21.25	21.46	21.24	21.35		
10	64QAM	25	0	20.20	20.46	20.26	20.36	22	3
10	64QAM	25	12	20.31	20.44	20.32	20.39		
10	64QAM	25	25	20.34	20.55	20.41	20.37		
10	64QAM	50	0	20.30	20.43	20.33	20.25		
10	256QAM	1	0	18.30	18.46	18.43	18.22	20	5
10	256QAM	1	25	18.34	18.45	18.46	18.36		
10	256QAM	1	49	18.41	18.42	18.30	18.27		
10	256QAM	25	0	18.38	18.42	18.41	18.38	20	5
10	256QAM	25	12	18.35	18.40	18.32	18.32		
10	256QAM	25	25	18.41	18.48	18.36	18.41		
10	256QAM	50	0	18.29	18.47	18.41	18.44		
Channel				55265	55810	56170	56715	Tune-up limit	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	23.23	23.42	23.21	23.20	25	0
5	QPSK	1	12	23.22	23.33	23.25	23.24		
5	QPSK	1	24	23.41	23.33	23.24	23.25		
5	QPSK	12	0	22.32	22.50	22.36	22.41	24	1
5	QPSK	12	7	22.35	22.40	22.39	22.42		
5	QPSK	12	13	22.28	22.45	22.34	22.34		
5	QPSK	25	0	22.27	22.47	22.32	22.45		
5	16QAM	1	0	22.34	22.51	22.31	22.40	24	1
5	16QAM	1	12	22.39	22.47	22.50	22.41		
5	16QAM	1	24	22.28	22.42	22.32	22.47		
5	16QAM	12	0	21.28	21.48	21.33	21.31	23	2
5	16QAM	12	7	21.34	21.55	21.31	21.41		
5	16QAM	12	13	21.33	21.40	21.41	21.32		
5	16QAM	25	0	21.28	21.43	21.29	21.34		
5	64QAM	1	0	21.25	21.46	21.32	21.47	23	2
5	64QAM	1	12	21.30	21.43	21.31	21.34		
5	64QAM	1	24	21.31	21.52	21.30	21.31		
5	64QAM	12	0	20.24	20.43	20.26	20.39	22	3
5	64QAM	12	7	20.22	20.50	20.29	20.39		
5	64QAM	12	13	20.37	20.53	20.43	20.26		
5	64QAM	25	0	20.40	20.54	20.31	20.30		
5	256QAM	1	0	18.29	18.37	18.38	18.24	20	5
5	256QAM	1	12	18.32	18.44	18.38	18.38		
5	256QAM	1	24	18.36	18.38	18.32	18.25		
5	256QAM	12	0	18.40	18.41	18.35	18.34	20	5
5	256QAM	12	7	18.37	18.50	18.32	18.26		
5	256QAM	12	13	18.47	18.44	18.41	18.36		
5	256QAM	25	0	18.39	18.43	18.34	18.38		

Full & Default Power Mode_Other PA

Band 4 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	22.22	22.26	22.24	23.2	0
20	QPSK	1	49	22.10	22.22	22.20		
20	QPSK	1	99	22.11	22.20	22.17		
20	QPSK	50	0	21.20	21.30	21.21	22.2	1
20	QPSK	50	24	21.10	21.26	21.20		
20	QPSK	50	50	21.11	21.14	21.20		
20	QPSK	100	0	21.18	21.29	21.26		
20	16QAM	1	0	21.16	21.26	21.29	22.2	1
20	16QAM	1	49	21.15	21.24	21.25		
20	16QAM	1	99	21.14	21.19	21.19		
20	16QAM	50	0	20.17	20.25	20.22	21.2	2
20	16QAM	50	24	20.14	20.30	20.25		
20	16QAM	50	50	20.06	20.10	20.14		
20	16QAM	100	0	20.23	20.25	20.29		
20	64QAM	1	0	20.14	20.28	20.29	21.2	2
20	64QAM	1	49	20.16	20.29	20.28		
20	64QAM	1	99	20.15	20.20	20.24		
20	64QAM	50	0	19.17	19.27	19.23	20.2	3
20	64QAM	50	24	19.08	19.25	19.16		
20	64QAM	50	50	19.10	19.13	19.24		
20	64QAM	100	0	19.13	19.25	19.26		
20	256QAM	1	0	17.25	17.32	17.16	18.2	5
20	256QAM	1	49	17.12	17.24	17.23		
20	256QAM	1	99	17.11	17.17	17.23		
20	256QAM	50	0	17.18	17.27	17.22	18.2	5
20	256QAM	50	24	17.18	17.21	17.27		
20	256QAM	50	50	17.12	17.21	17.27		
20	256QAM	100	0	17.08	17.25	17.21		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	22.18	22.21	22.13	23.2	0
15	QPSK	1	37	22.04	22.16	22.18		
15	QPSK	1	74	22.00	22.16	22.15		
15	QPSK	36	0	21.15	21.20	21.17	22.2	1
15	QPSK	36	20	21.06	21.14	21.17		
15	QPSK	36	39	21.00	21.10	21.11		
15	QPSK	75	0	21.06	21.16	21.14		
15	16QAM	1	0	21.13	21.16	21.23	22.2	1
15	16QAM	1	37	21.08	21.10	21.15		
15	16QAM	1	74	21.02	21.08	21.16		
15	16QAM	36	0	20.08	20.16	20.19	21.2	2
15	16QAM	36	20	20.10	20.25	20.20		
15	16QAM	36	39	19.99	19.99	20.08		
15	16QAM	75	0	20.14	20.23	20.18		
15	64QAM	1	0	20.03	20.21	20.18	21.2	2
15	64QAM	1	37	20.12	20.25	20.19		
15	64QAM	1	74	20.05	20.15	20.13		
15	64QAM	36	0	19.09	19.18	19.10	20.2	3
15	64QAM	36	20	18.94	19.17	19.07		
15	64QAM	36	39	19.03	19.09	19.11		
15	64QAM	75	0	19.03	19.18	19.14		
15	256QAM	1	0	17.12	17.28	17.13	18.2	5
15	256QAM	1	37	17.01	17.19	17.20		
15	256QAM	1	74	17.01	17.15	17.21		
15	256QAM	36	0	17.06	17.25	17.11	18.2	5
15	256QAM	36	20	17.12	17.19	17.19		
15	256QAM	36	39	17.07	17.11	17.20		
15	256QAM	75	0	16.95	17.18	17.16		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	22.11	22.15	22.16	23.2	0
10	QPSK	1	25	22.07	22.15	22.09		
10	QPSK	1	49	22.04	22.15	22.11		
10	QPSK	25	0	21.09	21.18	21.10	22.2	1
10	QPSK	25	12	21.03	21.19	21.13		
10	QPSK	25	25	21.06	21.06	21.11		
10	QPSK	50	0	21.09	21.19	21.15		
10	16QAM	1	0	21.06	21.15	21.23	22.2	1
10	16QAM	1	25	21.04	21.10	21.15		
10	16QAM	1	49	21.07	21.16	21.15		
10	16QAM	25	0	20.13	20.16	20.09	21.2	2
10	16QAM	25	12	20.09	20.19	20.21		
10	16QAM	25	25	19.96	20.05	20.03		
10	16QAM	50	0	20.17	20.19	20.23		
10	64QAM	1	0	20.10	20.15	20.21	21.2	2
10	64QAM	1	25	20.08	20.18	20.23		
10	64QAM	1	49	20.06	20.17	20.22		
10	64QAM	25	0	19.10	19.16	19.12	20.2	3
10	64QAM	25	12	18.95	19.15	19.08		
10	64QAM	25	25	18.99	19.02	19.12		
10	64QAM	50	0	19.04	19.17	19.12		
10	256QAM	1	0	17.18	17.26	17.04	18.2	5
10	256QAM	1	25	17.09	17.18	17.13		
10	256QAM	1	49	17.02	17.13	17.14		
10	256QAM	25	0	17.11	17.24	17.19	18.2	5
10	256QAM	25	12	17.11	17.08	17.21		
10	256QAM	25	25	17.03	17.17	17.16		
10	256QAM	50	0	17.05	17.22	17.19		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	22.12	22.13	22.17	23.2	0
5	QPSK	1	12	22.01	22.10	22.07		
5	QPSK	1	24	22.03	22.09	22.07		
5	QPSK	12	0	21.12	21.20	21.15	22.2	1
5	QPSK	12	7	20.99	21.22	21.11		
5	QPSK	12	13	21.04	21.09	21.08		
5	QPSK	25	0	21.04	21.22	21.15		
5	16QAM	1	0	21.03	21.17	21.16	22.2	1
5	16QAM	1	12	21.03	21.13	21.22		
5	16QAM	1	24	21.09	21.11	21.09		
5	16QAM	12	0	20.14	20.15	20.11	21.2	2
5	16QAM	12	7	20.12	20.19	20.14		
5	16QAM	12	13	19.99	20.06	20.01		
5	16QAM	25	0	20.10	20.21	20.26		
5	64QAM	1	0	20.02	20.17	20.26	21.2	2
5	64QAM	1	12	20.06	20.16	20.25		
5	64QAM	1	24	20.04	20.09	20.20		
5	64QAM	12	0	19.11	19.20	19.11	20.2	3
5	64QAM	12	7	18.98	19.11	19.11		
5	64QAM	12	13	18.96	19.08	19.15		
5	64QAM	25	0	19.09	19.23	19.17	18.2	5
5	256QAM	1	0	17.19	17.24	17.12		
5	256QAM	1	12	16.98	17.19	17.19		
5	256QAM	1	24	17.02	17.11	17.19		
5	256QAM	12	0	17.16	17.16	17.12	18.2	5
5	256QAM	12	7	17.06	17.17	17.17		
5	256QAM	12	13	17.08	17.14	17.20		
5	256QAM	25	0	16.99	17.19	17.10		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	22.10	22.23	22.17	23.2	0
3	QPSK	1	8	21.99	22.17	22.14		
3	QPSK	1	14	22.06	22.17	22.15		
3	QPSK	8	0	21.10	21.20	21.14	22.2	1
3	QPSK	8	4	21.07	21.17	21.06		
3	QPSK	8	7	21.07	21.02	21.09		
3	QPSK	15	0	21.16	21.25	21.16		
3	16QAM	1	0	21.14	21.13	21.23	22.2	1
3	16QAM	1	8	21.03	21.12	21.14		
3	16QAM	1	14	21.06	21.10	21.09		
3	16QAM	8	0	20.05	20.13	20.17	21.2	2
3	16QAM	8	4	20.03	20.25	20.11		
3	16QAM	8	7	19.94	20.07	20.12		
3	16QAM	15	0	20.15	20.16	20.27		
3	64QAM	1	0	20.09	20.16	20.17	21.2	2
3	64QAM	1	8	20.05	20.16	20.26		
3	64QAM	1	14	20.04	20.10	20.16		
3	64QAM	8	0	19.11	19.20	19.11	20.2	3
3	64QAM	8	4	18.96	19.12	19.05		
3	64QAM	8	7	18.98	19.07	19.21		
3	64QAM	15	0	19.11	19.20	19.15		
3	256QAM	1	0	17.13	17.25	17.04	18.2	5
3	256QAM	1	8	17.00	17.17	17.17		
3	256QAM	1	14	17.00	17.04	17.10		
3	256QAM	8	0	17.10	17.17	17.12	18.2	5
3	256QAM	8	4	17.14	17.19	17.22		
3	256QAM	8	7	17.00	17.13	17.17		
3	256QAM	15	0	16.97	17.20	17.08		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	22.20	22.14	22.17	23.2	0
1.4	QPSK	1	3	22.00	22.17	22.13		
1.4	QPSK	1	5	22.07	22.07	22.09		
1.4	QPSK	3	0	22.08	22.04	22.04		
1.4	QPSK	3	1	21.91	22.07	22.09		
1.4	QPSK	3	3	21.98	21.94	22.05		
1.4	QPSK	6	0	21.05	21.26	21.13	22.2	1
1.4	16QAM	1	0	21.09	21.19	21.22	22.2	1
1.4	16QAM	1	3	21.10	21.12	21.19		
1.4	16QAM	1	5	21.05	21.14	21.17		
1.4	16QAM	3	0	21.03	21.20	21.10		
1.4	16QAM	3	1	20.96	21.09	21.15		
1.4	16QAM	3	3	21.07	21.03	21.05		
1.4	16QAM	6	0	20.16	20.13	20.27	21.2	2
1.4	64QAM	1	0	20.07	20.23	20.26	21.2	2
1.4	64QAM	1	3	20.02	20.25	20.20		
1.4	64QAM	1	5	20.12	20.06	20.21		
1.4	64QAM	3	0	20.05	20.09	20.23		
1.4	64QAM	3	1	20.04	20.17	20.16		
1.4	64QAM	3	3	19.90	20.13	20.15		
1.4	64QAM	6	0	19.02	19.19	19.21	20.2	3
1.4	256QAM	1	0	17.11	17.22	17.11	18.2	5
1.4	256QAM	1	3	17.00	17.21	17.17		
1.4	256QAM	1	5	17.01	17.09	17.16		
1.4	256QAM	3	0	17.14	17.14	17.18		
1.4	256QAM	3	1	17.08	17.16	17.17		
1.4	256QAM	3	3	17.01	17.08	17.17		
1.4	256QAM	6	0	16.95	17.15	17.08	18.2	5

Band 7 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.31	21.33	21.28	22.3	0
20	QPSK	1	49	21.28	21.29	21.18		
20	QPSK	1	99	21.23	21.28	21.19		
20	QPSK	50	0	20.30	20.38	20.33	21.3	1
20	QPSK	50	24	20.28	20.33	20.15		
20	QPSK	50	50	20.26	20.30	20.16		
20	QPSK	100	0	20.34	20.35	20.25		
20	16QAM	1	0	20.34	20.34	20.34	21.3	1
20	16QAM	1	49	20.30	20.34	20.22		
20	16QAM	1	99	20.29	20.27	20.22		
20	16QAM	50	0	19.28	19.37	19.36	20.3	2
20	16QAM	50	24	19.25	19.39	19.09		
20	16QAM	50	50	19.26	19.33	19.11		
20	16QAM	100	0	19.35	19.33	19.30		
20	64QAM	1	0	19.30	19.40	19.28	20.3	2
20	64QAM	1	49	19.24	19.31	19.27		
20	64QAM	1	99	19.35	19.26	19.19		
20	64QAM	50	0	18.34	18.37	18.31	19.3	3
20	64QAM	50	24	18.28	18.29	18.18		
20	64QAM	50	50	18.28	18.35	18.10		
20	64QAM	100	0	18.35	18.32	18.30		
20	256QAM	1	0	16.28	16.36	16.34	17.3	5
20	256QAM	1	49	16.24	16.35	16.11		
20	256QAM	1	99	16.32	16.33	16.19		
20	256QAM	50	0	16.29	16.32	16.29	17.3	5
20	256QAM	50	24	16.28	16.29	16.38		
20	256QAM	50	50	16.30	16.32	16.26		
20	256QAM	100	0	16.28	16.24	16.23		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.25	21.25	21.16	22.3	0
15	QPSK	1	37	21.24	21.15	21.04		
15	QPSK	1	74	21.13	21.21	21.13		
15	QPSK	36	0	20.18	20.28	20.26	21.3	1
15	QPSK	36	20	20.25	20.30	20.08		
15	QPSK	36	39	20.15	20.22	20.14		
15	QPSK	75	0	20.25	20.33	20.21		
15	16QAM	1	0	20.24	20.27	20.26	21.3	1
15	16QAM	1	37	20.20	20.26	20.12		
15	16QAM	1	74	20.16	20.21	20.17		
15	16QAM	36	0	19.25	19.25	19.33	20.3	2
15	16QAM	36	20	19.21	19.36	18.97		
15	16QAM	36	39	19.15	19.22	18.98		
15	16QAM	75	0	19.22	19.20	19.26		
15	64QAM	1	0	19.22	19.32	19.23	20.3	2
15	64QAM	1	37	19.16	19.26	19.13		
15	64QAM	1	74	19.31	19.13	19.06		
15	64QAM	36	0	18.27	18.34	18.24	19.3	3
15	64QAM	36	20	18.24	18.22	18.04		
15	64QAM	36	39	18.15	18.24	17.99		
15	64QAM	75	0	18.24	18.26	18.27		
15	256QAM	1	0	16.19	16.32	16.31	17.3	5
15	256QAM	1	37	16.16	16.30	16.06		
15	256QAM	1	74	16.23	16.22	16.11		
15	256QAM	36	0	16.20	16.28	16.18	17.3	5
15	256QAM	36	20	16.19	16.19	16.29		
15	256QAM	36	39	16.23	16.18	16.19		
15	256QAM	75	0	16.23	16.10	16.12		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.24	21.25	21.15	22.3	0
10	QPSK	1	25	21.24	21.27	21.11		
10	QPSK	1	49	21.16	21.22	21.17		
10	QPSK	25	0	20.28	20.34	20.31	21.3	1
10	QPSK	25	12	20.17	20.20	20.01		
10	QPSK	25	25	20.22	20.18	20.05		
10	QPSK	50	0	20.27	20.25	20.19		
10	16QAM	1	0	20.31	20.28	20.24	21.3	1
10	16QAM	1	25	20.25	20.29	20.16		
10	16QAM	1	49	20.24	20.22	20.19		
10	16QAM	25	0	19.25	19.30	19.28	20.3	2
10	16QAM	25	12	19.15	19.35	19.01		
10	16QAM	25	25	19.22	19.29	18.99		
10	16QAM	50	0	19.27	19.22	19.26		
10	64QAM	1	0	19.16	19.29	19.18	20.3	2
10	64QAM	1	25	19.17	19.22	19.17		
10	64QAM	1	49	19.24	19.22	19.05		
10	64QAM	25	0	18.29	18.33	18.17	19.3	3
10	64QAM	25	12	18.22	18.26	18.15		
10	64QAM	25	25	18.25	18.28	17.97		
10	64QAM	50	0	18.21	18.28	18.28		
10	256QAM	1	0	16.25	16.29	16.30	17.3	5
10	256QAM	1	25	16.15	16.28	16.05		
10	256QAM	1	49	16.29	16.31	16.05		
10	256QAM	25	0	16.27	16.27	16.17	17.3	5
10	256QAM	25	12	16.18	16.27	16.26		
10	256QAM	25	25	16.27	16.27	16.14		
10	256QAM	50	0	16.20	16.18	16.13		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.21	21.21	21.20	22.3	0
5	QPSK	1	12	21.20	21.25	21.05		
5	QPSK	1	24	21.16	21.14	21.12		
5	QPSK	12	0	20.24	20.26	20.30	21.3	1
5	QPSK	12	7	20.19	20.31	20.04		
5	QPSK	12	13	20.21	20.27	20.06		
5	QPSK	25	0	20.30	20.30	20.17		
5	16QAM	1	0	20.30	20.22	20.29	21.3	1
5	16QAM	1	12	20.22	20.31	20.16		
5	16QAM	1	24	20.21	20.20	20.14		
5	16QAM	12	0	19.21	19.34	19.31	20.3	2
5	16QAM	12	7	19.11	19.28	18.99		
5	16QAM	12	13	19.20	19.19	19.09		
5	16QAM	25	0	19.29	19.29	19.24		
5	64QAM	1	0	19.18	19.38	19.19	20.3	2
5	64QAM	1	12	19.16	19.20	19.22		
5	64QAM	1	24	19.22	19.22	19.10		
5	64QAM	12	0	18.29	18.23	18.22	19.3	3
5	64QAM	12	7	18.23	18.20	18.15		
5	64QAM	12	13	18.24	18.21	18.03		
5	64QAM	25	0	18.30	18.22	18.28		
5	256QAM	1	0	16.17	16.23	16.29	17.3	5
5	256QAM	1	12	16.14	16.25	16.06		
5	256QAM	1	24	16.23	16.28	16.10		
5	256QAM	12	0	16.17	16.28	16.26	17.3	5
5	256QAM	12	7	16.25	16.18	16.34		
5	256QAM	12	13	16.21	16.20	16.23		
5	256QAM	25	0	16.23	16.18	16.20		

Band 38 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.41	21.48	21.39	22.5	0
20	QPSK	1	49	21.29	21.46	21.30		
20	QPSK	1	99	21.29	21.43	21.26		
20	QPSK	50	0	20.47	20.51	20.41	21.5	1
20	QPSK	50	24	20.33	20.50	20.31		
20	QPSK	50	50	20.25	20.48	20.23		
20	QPSK	100	0	20.39	20.48	20.38		
20	16QAM	1	0	20.42	20.45	20.43	21.5	1
20	16QAM	1	49	20.33	20.44	20.29		
20	16QAM	1	99	20.32	20.41	20.31		
20	16QAM	50	0	19.45	19.53	19.41	20.5	2
20	16QAM	50	24	19.36	19.47	19.30		
20	16QAM	50	50	19.30	19.48	19.28		
20	16QAM	100	0	19.39	19.42	19.38		
20	64QAM	1	0	19.47	19.40	19.44	20.5	2
20	64QAM	1	49	19.34	19.42	19.31		
20	64QAM	1	99	19.34	19.35	19.33		
20	64QAM	50	0	18.43	18.48	18.42	19.5	3
20	64QAM	50	24	18.30	18.50	18.29		
20	64QAM	50	50	18.23	18.46	18.21		
20	64QAM	100	0	18.40	18.46	18.35		
20	256QAM	1	0	16.52	16.50	16.40	17.5	5
20	256QAM	1	49	16.32	16.47	16.36		
20	256QAM	1	99	16.29	16.52	16.21		
20	256QAM	50	0	16.39	16.53	16.40	17.5	5
20	256QAM	50	24	16.42	16.44	16.44		
20	256QAM	50	50	16.34	16.48	16.35		
20	256QAM	100	0	16.29	16.35	16.28		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.35	21.40	21.31	22.5	0
15	QPSK	1	37	21.22	21.36	21.25		
15	QPSK	1	74	21.20	21.35	21.18		
15	QPSK	36	0	20.37	20.48	20.38	21.5	1
15	QPSK	36	20	20.26	20.47	20.19		
15	QPSK	36	39	20.19	20.38	20.10		
15	QPSK	75	0	20.35	20.38	20.30		
15	16QAM	1	0	20.33	20.38	20.33	21.5	1
15	16QAM	1	37	20.23	20.31	20.26		
15	16QAM	1	74	20.20	20.31	20.22		
15	16QAM	36	0	19.40	19.43	19.29	20.5	2
15	16QAM	36	20	19.27	19.41	19.23		
15	16QAM	36	39	19.27	19.44	19.24		
15	16QAM	75	0	19.36	19.31	19.26		
15	64QAM	1	0	19.39	19.29	19.38	20.5	2
15	64QAM	1	37	19.23	19.40	19.20		
15	64QAM	1	74	19.26	19.22	19.29		
15	64QAM	36	0	18.33	18.39	18.38	19.5	3
15	64QAM	36	20	18.21	18.41	18.19		
15	64QAM	36	39	18.19	18.39	18.12		
15	64QAM	75	0	18.36	18.40	18.32		
15	256QAM	1	0	16.49	16.40	16.37	17.5	5
15	256QAM	1	37	16.28	16.36	16.28		
15	256QAM	1	74	16.25	16.39	16.11		
15	256QAM	36	0	16.36	16.50	16.31	17.5	5
15	256QAM	36	20	16.36	16.40	16.31		
15	256QAM	36	39	16.29	16.34	16.23		
15	256QAM	75	0	16.22	16.25	16.18		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.28	21.39	21.30	22.5	0
10	QPSK	1	25	21.27	21.36	21.27		
10	QPSK	1	49	21.18	21.33	21.15		
10	QPSK	25	0	20.42	20.39	20.33	21.5	1
10	QPSK	25	12	20.35	20.44	20.19		
10	QPSK	25	25	20.13	20.41	20.18		
10	QPSK	50	0	20.34	20.36	20.35		
10	16QAM	1	0	20.29	20.35	20.37	21.5	1
10	16QAM	1	25	20.30	20.39	20.21		
10	16QAM	1	49	20.24	20.31	20.23		
10	16QAM	25	0	19.34	19.49	19.32	20.5	2
10	16QAM	25	12	19.29	19.34	19.22		
10	16QAM	25	25	19.17	19.42	19.18		
10	16QAM	50	0	19.25	19.39	19.25		
10	64QAM	1	0	19.38	19.34	19.31	20.5	2
10	64QAM	1	25	19.31	19.32	19.27		
10	64QAM	1	49	19.20	19.26	19.30		
10	64QAM	25	0	18.39	18.42	18.38	19.5	3
10	64QAM	25	12	18.21	18.45	18.25		
10	64QAM	25	25	18.11	18.38	18.14		
10	64QAM	50	0	18.28	18.34	18.31		
10	256QAM	1	0	16.43	16.37	16.33	17.5	5
10	256QAM	1	25	16.20	16.41	16.22		
10	256QAM	1	49	16.26	16.39	16.11		
10	256QAM	25	0	16.35	16.51	16.29	17.5	5
10	256QAM	25	12	16.38	16.31	16.30		
10	256QAM	25	25	16.24	16.35	16.22		
10	256QAM	50	0	16.23	16.23	16.15		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.36	21.41	21.37	22.5	0
5	QPSK	1	12	21.17	21.42	21.25		
5	QPSK	1	24	21.26	21.32	21.17		
5	QPSK	12	0	20.44	20.46	20.33	21.5	1
5	QPSK	12	7	20.25	20.41	20.25		
5	QPSK	12	13	20.14	20.41	20.13		
5	QPSK	25	0	20.31	20.34	20.28		
5	16QAM	1	0	20.31	20.40	20.30	21.5	1
5	16QAM	1	12	20.21	20.33	20.17		
5	16QAM	1	24	20.19	20.34	20.22		
5	16QAM	12	0	19.42	19.48	19.28	20.5	2
5	16QAM	12	7	19.29	19.42	19.22		
5	16QAM	12	13	19.26	19.44	19.15		
5	16QAM	25	0	19.31	19.32	19.25		
5	64QAM	1	0	19.44	19.32	19.35	20.5	2
5	64QAM	1	12	19.21	19.28	19.27		
5	64QAM	1	24	19.30	19.33	19.25		
5	64QAM	12	0	18.37	18.38	18.35	19.5	3
5	64QAM	12	7	18.32	18.41	18.20		
5	64QAM	12	13	18.09	18.37	18.18		
5	64QAM	25	0	18.29	18.34	18.26		
5	256QAM	1	0	16.47	16.43	16.34	17.5	5
5	256QAM	1	12	16.20	16.44	16.24		
5	256QAM	1	24	16.19	16.38	16.14		
5	256QAM	12	0	16.26	16.40	16.26	17.5	5
5	256QAM	12	7	16.40	16.30	16.35		
5	256QAM	12	13	16.28	16.45	16.29		
5	256QAM	25	0	16.26	16.23	16.25		

Band 41 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2596	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.40	21.37	21.42	21.36	21.41	22.5	0
20	QPSK	1	49	21.31	21.24	21.38	21.31	21.29		
20	QPSK	1	99	21.29	21.27	21.36	21.28	21.37		
20	QPSK	50	0	20.38	20.32	20.47	20.31	20.46	21.5	1
20	QPSK	50	24	20.34	20.30	20.42	20.33	20.29		
20	QPSK	50	50	20.35	20.26	20.31	20.32	20.34		
20	QPSK	100	0	20.40	20.38	20.44	20.39	20.36		
20	16QAM	1	0	20.38	20.34	20.41	20.34	20.39	21.5	1
20	16QAM	1	49	20.34	20.28	20.35	20.35	20.32		
20	16QAM	1	99	20.25	20.32	20.36	20.26	20.41		
20	16QAM	50	0	19.42	19.31	19.49	19.32	19.49	20.5	2
20	16QAM	50	24	19.37	19.25	19.45	19.29	19.26		
20	16QAM	50	50	19.31	19.27	19.32	19.27	19.35		
20	16QAM	100	0	19.40	19.36	19.41	19.35	19.32		
20	64QAM	1	0	19.39	19.28	19.41	19.38	19.34	20.5	2
20	64QAM	1	49	19.31	19.28	19.37	19.37	19.29		
20	64QAM	1	99	19.22	19.27	19.33	19.29	19.36		
20	64QAM	50	0	18.33	18.29	18.43	18.37	18.49	19.5	3
20	64QAM	50	24	18.32	18.17	18.44	18.30	18.27		
20	64QAM	50	50	18.32	18.24	18.33	18.37	18.31		
20	64QAM	100	0	18.36	18.41	18.49	18.38	18.33		
20	256QAM	1	0	16.42	16.32	16.48	16.30	16.42	17.5	5
20	256QAM	1	49	16.35	16.14	16.47	16.33	16.35		
20	256QAM	1	99	16.36	16.29	16.31	16.36	16.38		
20	256QAM	50	0	16.44	16.39	16.43	16.35	16.38	17.5	5
20	256QAM	50	24	16.37	16.33	16.37	16.30	16.40		
20	256QAM	50	50	16.35	16.24	16.34	16.38	16.36		
20	256QAM	100	0	16.23	16.38	16.33	16.32	16.45		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2593.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.31	21.29	21.30	21.33	21.34	23	0
15	QPSK	1	37	21.19	21.18	21.29	21.22	21.24		
15	QPSK	1	74	21.27	21.23	21.27	21.17	21.25		
15	QPSK	36	0	20.30	20.25	20.41	20.21	20.36	21.5	1
15	QPSK	36	20	20.30	20.13	20.33	20.25	20.26		
15	QPSK	36	39	20.32	20.15	20.24	20.22	20.22		
15	QPSK	75	0	20.32	20.36	20.35	20.27	20.23		
15	16QAM	1	0	20.33	20.23	20.28	20.23	20.37	21.5	1
15	16QAM	1	37	20.31	20.21	20.24	20.24	20.23		
15	16QAM	1	74	20.12	20.26	20.26	20.22	20.36		
15	16QAM	36	0	19.31	19.20	19.38	19.20	19.46	20.5	2
15	16QAM	36	20	19.27	19.16	19.31	19.16	19.22		
15	16QAM	36	39	19.27	19.15	19.30	19.17	19.24		
15	16QAM	75	0	19.35	19.24	19.37	19.25	19.19		
15	64QAM	1	0	19.34	19.22	19.37	19.32	19.29	20.5	2
15	64QAM	1	37	19.26	19.17	19.32	19.34	19.21		
15	64QAM	1	74	19.19	19.22	19.25	19.20	19.28		
15	64QAM	36	0	18.21	18.23	18.32	18.29	18.42	19.5	3
15	64QAM	36	20	18.24	18.03	18.35	18.25	18.23		
15	64QAM	36	39	18.20	18.20	18.22	18.31	18.18		
15	64QAM	75	0	18.29	18.36	18.46	18.27	18.20		
15	256QAM	1	0	16.35	16.25	16.35	16.17	16.38	17.5	5
15	256QAM	1	37	16.23	16.06	16.40	16.22	16.29		
15	256QAM	1	74	16.23	16.22	16.27	16.28	16.32		
15	256QAM	36	0	16.39	16.27	16.40	16.24	16.28	17.5	5
15	256QAM	36	20	16.34	16.19	16.25	16.27	16.37		
15	256QAM	36	39	16.25	16.15	16.27	16.31	16.22		
15	256QAM	75	0	16.09	16.29	16.22	16.26	16.40		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.28	21.23	21.39	21.26	21.33	23	0
10	QPSK	1	25	21.25	21.20	21.33	21.26	21.16		
10	QPSK	1	49	21.23	21.16	21.23	21.19	21.25		
10	QPSK	25	0	20.28	20.18	20.41	20.17	20.37	21.5	1
10	QPSK	25	12	20.31	20.17	20.33	20.23	20.19		
10	QPSK	25	25	20.29	20.14	20.24	20.25	20.31		
10	QPSK	50	0	20.32	20.27	20.41	20.29	20.31		
10	16QAM	1	0	20.27	20.30	20.31	20.24	20.30	21.5	1
10	16QAM	1	25	20.24	20.20	20.32	20.30	20.23		
10	16QAM	1	49	20.17	20.19	20.25	20.24	20.34		
10	16QAM	25	0	19.38	19.29	19.46	19.29	19.37	20.5	2
10	16QAM	25	12	19.24	19.22	19.33	19.24	19.15		
10	16QAM	25	25	19.25	19.22	19.21	19.20	19.27		
10	16QAM	50	0	19.32	19.27	19.39	19.21	19.30		
10	64QAM	1	0	19.26	19.20	19.32	19.28	19.21	20.5	2
10	64QAM	1	25	19.24	19.17	19.35	19.34	19.23		
10	64QAM	1	49	19.15	19.23	19.22	19.17	19.28		
10	64QAM	25	0	18.31	18.17	18.32	18.25	18.38	19.5	3
10	64QAM	25	12	18.20	18.09	18.34	18.17	18.20		
10	64QAM	25	25	18.28	18.11	18.24	18.34	18.28		
10	64QAM	50	0	18.23	18.33	18.45	18.30	18.24		
10	256QAM	1	0	16.31	16.28	16.35	16.26	16.34	17.5	5
10	256QAM	1	25	16.30	16.00	16.35	16.31	16.31		
10	256QAM	1	49	16.30	16.19	16.24	16.26	16.35		
10	256QAM	25	0	16.41	16.34	16.37	16.23	16.25	17.5	5
10	256QAM	25	12	16.27	16.30	16.29	16.23	16.34		
10	256QAM	25	25	16.28	16.13	16.32	16.31	16.25		
10	256QAM	50	0	16.11	16.25	16.20	16.24	16.42		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.32	21.32	21.29	21.23	21.38	23	0
5	QPSK	1	12	21.20	21.15	21.27	21.18	21.22		
5	QPSK	1	24	21.18	21.19	21.29	21.14	21.23		
5	QPSK	12	0	20.27	20.20	20.34	20.27	20.33	21.5	1
5	QPSK	12	7	20.27	20.08	20.29	20.28	20.20		
5	QPSK	12	13	20.29	20.18	20.21	20.29	20.31		
5	QPSK	25	0	20.33	20.32	20.36	20.33	20.30		
5	16QAM	1	0	20.32	20.23	20.31	20.25	20.36	21.5	1
5	16QAM	1	12	20.27	20.16	20.26	20.25	20.19		
5	16QAM	1	24	20.22	20.23	20.29	20.20	20.30		
5	16QAM	12	0	19.39	19.28	19.36	19.24	19.39	20.5	2
5	16QAM	12	7	19.34	19.16	19.37	19.24	19.15		
5	16QAM	12	13	19.28	19.15	19.28	19.14	19.23		
5	16QAM	25	0	19.32	19.32	19.38	19.33	19.19		
5	64QAM	1	0	19.31	19.22	19.39	19.28	19.30	20.5	2
5	64QAM	1	12	19.26	19.18	19.24	19.31	19.26		
5	64QAM	1	24	19.13	19.20	19.24	19.15	19.33		
5	64QAM	12	0	18.20	18.22	18.38	18.26	18.37	19.5	3
5	64QAM	12	7	18.25	18.11	18.35	18.17	18.17		
5	64QAM	12	13	18.25	18.21	18.20	18.25	18.20		
5	64QAM	25	0	18.29	18.31	18.36	18.36	18.26		
5	256QAM	1	0	16.31	16.24	16.45	16.21	16.28	17.5	5
5	256QAM	1	12	16.28	16.06	16.43	16.26	16.23		
5	256QAM	1	24	16.28	16.18	16.25	16.23	16.25		
5	256QAM	12	0	16.35	16.37	16.32	16.29	16.32	17.5	5
5	256QAM	12	7	16.25	16.20	16.28	16.16	16.32		
5	256QAM	12	13	16.21	16.10	16.24	16.25	16.31		
5	256QAM	25	0	16.19	16.32	16.29	16.29	16.40		

Band 42 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.50	23.51	23.49	24.9	0
20	QPSK	1	49	23.36	23.46	23.39		
20	QPSK	1	99	23.41	23.45	23.36		
20	QPSK	50	0	22.51	22.55	22.49	23.9	1
20	QPSK	50	24	22.40	22.41	22.38		
20	QPSK	50	50	22.44	22.51	22.32		
20	QPSK	100	0	22.47	22.53	22.46		
20	16QAM	1	0	22.52	22.51	22.47	23.9	1
20	16QAM	1	49	22.40	22.48	22.44		
20	16QAM	1	99	22.37	22.46	22.32		
20	16QAM	50	0	21.46	21.50	21.49	22.9	2
20	16QAM	50	24	21.43	21.36	21.40		
20	16QAM	50	50	21.38	21.50	21.28		
20	16QAM	100	0	21.49	21.54	21.45		
20	64QAM	1	0	21.51	21.56	21.49	22.9	2
20	64QAM	1	49	21.46	21.45	21.47		
20	64QAM	1	99	21.32	21.42	21.26		
20	64QAM	50	0	20.52	20.60	20.43	21.9	3
20	64QAM	50	24	20.46	20.44	20.40		
20	64QAM	50	50	20.41	20.45	20.37		
20	64QAM	100	0	20.50	20.56	20.41		
20	256QAM	1	0	18.47	18.58	18.54	19.9	5
20	256QAM	1	49	18.44	18.45	18.42		
20	256QAM	1	99	18.42	18.52	18.27		
20	256QAM	50	0	18.47	18.49	18.42	19.9	5
20	256QAM	50	24	18.47	18.52	18.48		
20	256QAM	50	50	18.35	18.50	18.46		
20	256QAM	100	0	18.38	18.51	18.38		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	23.47	23.46	23.44	24.9	0
15	QPSK	1	37	23.28	23.44	23.32		
15	QPSK	1	74	23.32	23.37	23.23		
15	QPSK	36	0	22.42	22.46	22.42	23.9	1
15	QPSK	36	20	22.28	22.30	22.26		
15	QPSK	36	39	22.37	22.46	22.25		
15	QPSK	75	0	22.43	22.41	22.33		
15	16QAM	1	0	22.49	22.43	22.37	23.9	1
15	16QAM	1	37	22.30	22.39	22.33		
15	16QAM	1	74	22.34	22.42	22.23		
15	16QAM	36	0	21.38	21.45	21.41	22.9	2
15	16QAM	36	20	21.40	21.25	21.28		
15	16QAM	36	39	21.34	21.42	21.19		
15	16QAM	75	0	21.43	21.47	21.35		
15	64QAM	1	0	21.39	21.44	21.44	22.9	2
15	64QAM	1	37	21.33	21.37	21.34		
15	64QAM	1	74	21.28	21.39	21.23		
15	64QAM	36	0	20.41	20.49	20.30	21.9	3
15	64QAM	36	20	20.35	20.36	20.28		
15	64QAM	36	39	20.31	20.41	20.26		
15	64QAM	75	0	20.43	20.49	20.30		
15	256QAM	1	0	18.35	18.47	18.45	19.9	5
15	256QAM	1	37	18.36	18.42	18.37		
15	256QAM	1	74	18.39	18.42	18.20		
15	256QAM	36	0	18.41	18.36	18.37	19.9	5
15	256QAM	36	20	18.33	18.43	18.39		
15	256QAM	36	39	18.25	18.37	18.34		
15	256QAM	75	0	18.30	18.37	18.34		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	23.37	23.43	23.44	24.9	0
10	QPSK	1	25	23.33	23.34	23.26		
10	QPSK	1	49	23.28	23.31	23.23		
10	QPSK	25	0	22.47	22.50	22.47	23.9	1
10	QPSK	25	12	22.28	22.39	22.30		
10	QPSK	25	25	22.41	22.46	22.28		
10	QPSK	50	0	22.40	22.45	22.36		
10	16QAM	1	0	22.46	22.47	22.35	23.9	1
10	16QAM	1	25	22.37	22.34	22.39		
10	16QAM	1	49	22.26	22.39	22.25		
10	16QAM	25	0	21.33	21.43	21.42	22.9	2
10	16QAM	25	12	21.39	21.25	21.36		
10	16QAM	25	25	21.34	21.39	21.17		
10	16QAM	50	0	21.38	21.48	21.36		
10	64QAM	1	0	21.46	21.48	21.46	22.9	2
10	64QAM	1	25	21.36	21.36	21.35		
10	64QAM	1	49	21.27	21.34	21.24		
10	64QAM	25	0	20.46	20.52	20.38	21.9	3
10	64QAM	25	12	20.38	20.33	20.28		
10	64QAM	25	25	20.28	20.34	20.25		
10	64QAM	50	0	20.44	20.43	20.38		
10	256QAM	1	0	18.42	18.49	18.41	19.9	5
10	256QAM	1	25	18.35	18.41	18.38		
10	256QAM	1	49	18.34	18.49	18.17		
10	256QAM	25	0	18.36	18.39	18.40	19.9	5
10	256QAM	25	12	18.40	18.41	18.44		
10	256QAM	25	25	18.21	18.48	18.38		
10	256QAM	50	0	18.33	18.43	18.30		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	23.41	23.45	23.46	24.9	0
5	QPSK	1	12	23.33	23.39	23.33		
5	QPSK	1	24	23.37	23.41	23.26		
5	QPSK	12	0	22.45	22.45	22.40	23.9	1
5	QPSK	12	7	22.34	22.29	22.34		
5	QPSK	12	13	22.34	22.42	22.21		
5	QPSK	25	0	22.41

Band 4 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	23.95	24.05	23.98		
20	QPSK	1	49	23.88	23.99	23.85	25.6	0
20	QPSK	1	99	23.86	23.91	23.94		
20	QPSK	50	0	22.90	23.04	23.00		
20	QPSK	50	24	22.92	22.94	22.91	24.6	1
20	QPSK	50	50	22.87	22.92	22.91		
20	QPSK	100	0	22.98	23.00	22.97		
20	16QAM	1	0	22.92	22.99	23.03		
20	16QAM	1	49	22.89	22.95	22.85	24.6	1
20	16QAM	1	99	22.89	22.98	22.89		
20	16QAM	50	0	21.95	21.99	21.97		
20	16QAM	50	24	21.96	21.97	21.89	23.6	2
20	16QAM	50	50	21.88	21.87	21.90		
20	16QAM	100	0	21.95	21.99	21.93		
20	64QAM	1	0	21.90	22.04	22.02		
20	64QAM	1	49	21.90	21.93	21.81	23.6	2
20	64QAM	1	99	21.84	21.99	21.84		
20	64QAM	50	0	20.93	21.00	21.04		
20	64QAM	50	24	20.92	20.93	20.88	22.6	3
20	64QAM	50	50	20.90	20.98	20.86		
20	64QAM	100	0	21.01	21.04	20.96		
20	256QAM	1	0	18.91	19.05	19.01		
20	256QAM	1	49	18.86	18.98	18.97	20.6	5
20	256QAM	1	99	18.85	18.90	18.94		
20	256QAM	50	0	19.02	18.98	19.01		
20	256QAM	50	24	18.90	18.97	19.01	20.6	5
20	256QAM	50	50	18.87	18.89	18.88		
20	256QAM	100	0	18.90	18.96	18.85		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	23.90	24.02	23.87		
15	QPSK	1	37	23.84	23.79	23.90	25.6	0
15	QPSK	1	74	23.77	23.88	23.84		
15	QPSK	36	0	22.83	22.93	22.96		
15	QPSK	36	20	22.80	22.87	22.88	24.6	1
15	QPSK	36	39	22.81	22.79	22.81		
15	QPSK	75	0	22.88	22.87	22.94		
15	16QAM	1	0	22.86	22.87	22.93		
15	16QAM	1	37	22.86	22.84	22.72	24.6	1
15	16QAM	1	74	22.76	22.85	22.84		
15	16QAM	36	0	21.93	21.91	21.90		
15	16QAM	36	20	21.89	21.95	21.85	23.6	2
15	16QAM	36	39	21.77	21.82	21.84		
15	16QAM	75	0	21.85	21.86	21.82		
15	64QAM	1	0	21.85	21.96	21.92		
15	64QAM	1	37	21.87	21.81	21.70	23.6	2
15	64QAM	1	74	21.74	21.91	21.79		
15	64QAM	36	0	20.82	20.91	20.95		
15	64QAM	36	20	20.83	20.80	20.77	22.6	3
15	64QAM	36	39	20.86	20.95	20.75		
15	64QAM	75	0	20.89	20.95	20.85		
15	256QAM	1	0	18.79	18.96	18.99		
15	256QAM	1	37	18.73	18.85	18.83	20.6	5
15	256QAM	1	74	18.75	18.87	18.91		
15	256QAM	36	0	19.00	18.86	18.90		
15	256QAM	36	20	18.80	18.86	18.95	20.6	5
15	256QAM	36	39	18.78	18.79	18.79		
15	256QAM	75	0	18.86	18.89	18.75		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	23.85	23.99	23.86		
10	QPSK	1	25	23.84	23.87	23.77	25.6	0
10	QPSK	1	49	23.81	23.86	23.85		
10	QPSK	25	0	22.77	22.92	22.88		
10	QPSK	25	12	22.82	22.87	22.85	24.6	1
10	QPSK	25	25	22.82	22.87	22.87		
10	QPSK	50	0	22.90	22.87	22.89		
10	16QAM	1	0	22.82	22.92	23.01		
10	16QAM	1	25	22.83	22.85	22.73	24.6	1
10	16QAM	1	49	22.77	22.94	22.85		
10	16QAM	25	0	21.83	21.92	21.83		
10	16QAM	25	12	21.86	21.87	21.78	23.6	2
10	16QAM	25	25	21.84	21.79	21.79		
10	16QAM	50	0	21.93	21.91	21.85		
10	64QAM	1	0	21.76	21.93	21.92		
10	64QAM	1	25	21.88	21.83	21.77	23.6	2
10	64QAM	1	49	21.74	21.93	21.74		
10	64QAM	25	0	20.91	20.94	21.02		
10	64QAM	25	12	20.79	20.80	20.85	22.6	3
10	64QAM	25	25	20.76	20.95	20.79		
10	64QAM	50	0	20.98	20.97	20.90		
10	256QAM	1	0	18.84	18.97	18.89		
10	256QAM	1	25	18.78	18.92	18.90	20.6	5
10	256QAM	1	49	18.75	18.88	18.86		
10	256QAM	25	0	18.93	18.95	18.95		
10	256QAM	25	12	18.85	18.91	18.91	20.6	5
10	256QAM	25	25	18.73	18.86	18.76		
10	256QAM	50	0	18.81	18.89	18.78		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	23.92	24.00	23.90		
5	QPSK	1	12	23.80	23.88	23.74	25.6	0
5	QPSK	1	24	23.74	23.83	23.83		
5	QPSK	12	0	22.83	23.01	22.91		
5	QPSK	12	7	22.82	22.86	22.81	24.6	1
5	QPSK	12	13	22.75	22.87	22.79		
5	QPSK	25	0	22.85	22.97	22.89		
5	16QAM	1	0	22.79	22.93	22.92		
5	16QAM	1	12	22.82	22.79	22.87	24.6	1
5	16QAM	1	24	22.86	22.87	22.81		
5	16QAM	12	0	21.93	21.93	21.91		
5	16QAM	12	7	21.87	21.87	21.82	23.6	2
5	16QAM	12	13	21.76	21.74	21.83		
5	16QAM	25	0	21.85	21.86	21.86		
5	64QAM	1	0	21.80	21.91	21.98		
5	64QAM	1	12	21.78	21.88	21.72	23.6	2
5	64QAM	1	24	21.80	21.91	21.73		
5	64QAM	12	0	20.82	20.95	21.00		
5	64QAM	12	7	20.85	20.82	20.76	22.6	3
5	64QAM	12	13	20.87	20.89	20.73		
5	64QAM	25	0	20.87	20.94	20.94		
5	256QAM	1	0	18.82	18.98	18.97		
5	256QAM	1	12	18.83	18.95	18.85	20.6	5
5	256QAM	1	24	18.76	18.84	18.90		
5	256QAM	12	0	18.90	18.96	18.93		
5	256QAM	12	7	18.78	18.85	18.88	20.6	5
5	256QAM	12	13	18.73	18.76	18.76		
5	256QAM	25	0	18.79	18.82	18.73		
Channel				19925	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	23.87	23.95	23.88		
3	QPSK	1	8	23.75	23.95	23.75	25.6	0
3	QPSK	1	14	23.82	23.84	23.92		
3	QPSK	8	0	22.79	22.99	22.92		
3	QPSK	8	4	22.79	22.85	22.82	24.6	1
3	QPSK	8	7	22.84	22.82	22.79		
3	QPSK	15	0	22.88	22.94	22.90		
3	16QAM	1	0	22.89	22.89	22.97		
3	16QAM	1	8	22.81	22.82	22.80	24.6	1
3	16QAM	1	14	22.77	22.92	22.81		
3	16QAM	8	0	21.82	21.94	21.87		
3	16QAM	8	4	21.88	21.92	21.76	23.6	2
3	16QAM	8	7	21.78	21.75	21.80		
3	16QAM	15	0	21.85	21.94	21.90		
3	64QAM	1	0	21.78	21.92	21.92		
3	64QAM	1	8	21.87	21.80	21.79	23.6	2
3	64QAM	1	14	21.71	21.91	21.82		
3	64QAM	8	0	20.85	20.92	20.94		
3	64QAM	8	4	20.84	20.90	20.77	22.6	3
3	64QAM	8	7	20.85	20.96	20.80		
3	64QAM	15	0	20.92	21.01	20.93		
3	256QAM	1	0	18.82	18.97	18.94		
3	256QAM	1	8	18.77	18.96	18.87	20.6	5
3	256QAM	1	14	18.81	18.82	18.87		
3	256QAM	8	0	18.98	18.87	18.92		
3	256QAM	8	4	18.77	18.88	18.98	20.6	5
3	256QAM	8	7	18.85	18.81	18.75		
3	256QAM	15	0	18.84	18.91	18.81		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	23.85	24.01	23.90		
1.4	QPSK	1	3	23.81	23.88	23.77		
1.4	QPSK	1	5	23.72	23.90	23.89	25.6	0
1.4	QPSK	3	0	23.74	23.88	23.85		
1.4	QPSK	3	1	23.71	23.82	23.71		
1.4	QPSK	3	3	23.62	23.84	23.82		
1.4	QPSK	6	0	22.92	22.89	22.93	24.6	1
1.4	16QAM	1	0	22.87	22.87	22.97		
1.4	16QAM	1	3	22.86	22.83	22.82		
1.4	16QAM	1	5	22.77	22.90	22.79	24.6	1
1.4	16QAM	3	0	22.80	22.76	22.79		
1.4	16QAM	3	1	22.73	22.83	22.88		
1.4	16QAM	3	3	22.82	22.74	22.74		
1.4	16QAM	6	0	21.85	21.94	21.80	23.6	2
1.4	64QAM	1	0	21.79	21.96	21.96		
1.4	64QAM	1	3	21.88	21.83	21.70		
1.4	64QAM	1	5	21.75	21.92	21.73	23.6	2
1.4	64QAM	3	0	21.81	21.87	21.77		
1.4	64QAM	3	1	21.77	21.86	21.96		
1.4	64QAM	3	3	21.83	21.75	21.62		
1.4	64QAM	6	0	20.93	20.97	20.82	22.6	3
1.4	256QAM	1	0	18.81	19.03	18.98		
1.4	256QAM	1	3	18.72	18.96	18.89		
1.4	256QAM	1	5	18.74	18.78	18.91	20.6	5
1.4	256QAM	3	0	18.92	18.91	18.90		
1.4	256QAM	3	1	18.83	18.93	18.92		
1.4	256QAM	3	3	18.74	18.78	18.78		
1.4	256QAM	6	0	18.88	18.92	18.78	20.6	5

Band 7 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.04	23.12	23.11		
20	QPSK	1	49	23.02	23.09	22.99	24.5	0
20	QPSK	1	99	22.95	23.08	22.98		
20	QPSK	50	0	22.05	22.18	22.07		
20	QPSK	50	24	22.04	22.09	21.93	23.5	1
20	QPSK	50	50	21.95	22.05	22.02		
20	QPSK	100	0	22.05	22.15	22.06		
20	16QAM	1	0	22.02	22.12	22.07		
20	16QAM	1	49	22.03	22.14	21.97	23.5	1
20	16QAM	1	99	22.00	22.11	21.97		
20	16QAM	50	0	21.04	21.18	21.10		
20	16QAM	50	24	21.10	21.13	20.98	22.5	2
20	16QAM	50	50	20.97	21.01	21.05		
20	16QAM	100	0	21.07	21.21	21.07		
20	64QAM	1	0	21.05	21.10	21.08		
20	64QAM	1	49	20.98	21.12	20.99	22.5	2
20	64QAM	1	99	21.03	21.08	20.95		
20	64QAM	50	0	20.01	20.18	20.02		
20	64QAM	50	24	20.10	20.05	19.99	21.5	3
20	64QAM	50	50	19.98	20.01	20.01		
20	64QAM	100	0	20.10	20.16	20.04		
20	256QAM	1	0	18.01	18.12	18.05		
20	256QAM	1	49	18.08	18.13	17.91	19.5	5
20	256QAM	1	99	17.91	18.06	17.97		
20	256QAM	50	0	17.99	18.10	18.05		
20	256QAM	50	24	17.99	18.18	18.12	19.5	5
20	256QAM	50	50	18.03	18.12	18.01		
20	256QAM	100	0	18.04	18.09	17.98		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	22.96	22.99	23.08		
15	QPSK	1	37	22.90	23.02	22.92	24.5	0
15	QPSK	1	74	22.89	23.00	22.84		
15	QPSK	36	0	21.97	22.14	22.03		
15	QPSK	36	20	21.98	21.99	21.81	23.5	1
15	QPSK	36	39	21.83	21.98	21.95		
15	QPSK	75	0	21.92	22.10	22.01		
15	16QAM	1	0	21.95	22.02	21.96		
15	16QAM	1	37	21.91	22.02	21.94	23.5	1
15	16QAM	1	74	21.87	22.06	21.89		
15	16QAM	36	0	21.00	21.15	20.97		
15	16QAM	36	20	21.03	21.10	20.91	22.5	2
15	16QAM	36	39	20.83	20.96	21.02		
15	16QAM	75	0	21.05	21.17	21.04		
15	64QAM	1	0	20.94	20.97	21.04		
15	64QAM	1	37	20.92	21.08	20.87	22.5	2
15	64QAM	1	74	20.98	21.03	20.84		
15	64QAM	36	0	19.87	20.05	19.91		
15	64QAM	36	20	20.01	20.03	19.91	21.5	3
15	64QAM	36	39	19.92	19.90	19.93		
15	64QAM	75	0	20.06	20.07	19.97		
15	256QAM	1	0	17.90	18.10	17.91		
15	256QAM	1	37	18.06	18.02	17.77	19.5	5
15	256QAM	1	74	17.80	17.95	17.91		
15	256QAM	36	0	17.97	17.97	18.03		
15	256QAM	36	20	17.95	18.11	18.01	19.5	5
15	256QAM	36	39	17.97	18.05	17.94		
15	256QAM	75	0	17.96	17.96	17.96		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	22.96	23.00	23.01		
10	QPSK	1	25	22.90	22.97	22.85	24.5	0
10	QPSK	1	49	22.85	23.05	22.87		
10	QPSK	25	0	21.94	22.07	22.05		
10	QPSK	25	12	22.02	21.99	21.88	23.5	1
10	QPSK	25	25	21.83	21.98	21.98		
10	QPSK	50	0	21.94	22.05	21.94		
10	16QAM	1	0	21.95	22.04	21.95		
10	16QAM	1	25	21.92	22.07	21.87	23.5	1
10	16QAM	1	49	21.86	21.97	21.86		
10	16QAM	25	0	20.93	21.14	21.00		
10	16QAM	25	12	21.05	21.04	20.90	22.5	2
10	16QAM	25	25	20.91	20.90	20.92		
10	16QAM	50	0	20.93	21.13	20.98		
10	64QAM	1	0	20.91	21.07	21.02		
10	64QAM	1	25	20.93	20.98	20.96	22.5	2
10	64QAM	1	49	20.98	21.05	20.85		
10	64QAM	25	0	19.87	20.13	19.97		
10	64QAM	25	12	20.01	19.97	19.89	21.5	3
10	64QAM	25	25	19.93	19.88	19.94		
10	64QAM	50	0	20.08	20.13	20.01		
10	256QAM	1	0	17.88	18.03	18.00		
10	256QAM	1	25	18.00	18.02	17.85	19.5	5
10	256QAM	1	49	17.83	18.03	17.87		
10	256QAM	25	0	17.86	18.05	17.97		
10	256QAM	25	12	17.90	18.08	17.99	19.5	5
10	256QAM	25	25	18.01	18.03	17.97		
10	256QAM	50	0	17.95	18.04	17.91		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.01	23.05	22.99		
5	QPSK	1	12	22.93	23.05	22.92	24.5	0
5	QPSK	1	24	22.84	23.04	22.87		
5	QPSK	12	0	21.96	22.05	22.02		
5	QPSK	12	7	21.93	22.05	21.82	23.5	1
5	QPSK	12	13	21.83	21.98	21.95		
5	QPSK	25	0	21.96	22.09	22.04		
5	16QAM	1	0	21.96	22.06	21.94		
5	16QAM	1	12	21.99	22.02	21.84	23.5	1
5	16QAM	1	24	21.87	22.00	21.93		
5	16QAM	12	0	20.94	21.14	21.03		
5	16QAM	12	7	20.99	21.03	20.96	22.5	2
5	16QAM	12	13	20.88	20.89	20.97		
5	16QAM	25	0	21.03	21.13	20.95		
5	64QAM	1	0	20.99	21.07	21.05		
5	64QAM	1	12	20.88	21.10	20.93	22.5	2
5	64QAM	1	24	20.97	21.05	20.90		
5	64QAM	12	0	19.92	20.06	19.92		
5	64QAM	12	7	20.08	19.95	19.93	21.5	3
5	64QAM	12	13	19.86	19.91	19.89		
5	64QAM	25	0	20.04	20.08	19.96		
5	256QAM	1	0	17.94	18.07	17.96		
5	256QAM	1	12	17.94	18.06	17.80	19.5	5
5	256QAM	1	24	17.84	18.03	17.90		
5	256QAM	12	0	17.87	18.06	17.97		
5	256QAM	12	7	17.96	18.14	18.03	19.5	5
5	256QAM	12	13	17.93	18.01	17.94		
5	256QAM	25	0	17.96	18.04	17.95		

Band 66 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	24.09	24.21	24.05		
20	QPSK	1	49	23.99	24.06	23.94	25.6	0
20	QPSK	1	99	24.00	24.07	23.98		
20	QPSK	50	0	23.06	23.17	23.08		
20	QPSK	50	24	23.00	23.05	23.05	24.6	1
20	QPSK	50	50	22.91	22.97	23.06		
20	QPSK	100	0	23.12	23.21	23.02		
20	16QAM	1	0	23.02	23.07	23.07		
20	16QAM	1	49	23.01	23.09	22.90	24.6	1
20	16QAM	1	99	22.98	23.04	23.02		
20	16QAM	50	0	22.10	22.11	22.09		
20	16QAM	50	24	22.07	22.08	21.94	23.6	2
20	16QAM	50	50	21.96	22.02	21.98		
20	16QAM	100	0	22.01	22.14	21.98		
20	64QAM	1	0	22.01	22.12	22.08		
20	64QAM	1	49	21.98	22.03	21.92	23.6	2
20	64QAM	1	99	21.96	22.07	21.99		
20	64QAM	50	0	21.03	21.14	21.09		
20	64QAM	50	24	21.05	21.06	21.00	22.6	3
20	64QAM	50	50	21.03	21.07	20.97		
20	64QAM	100	0	21.15	21.17	21.04		
20	256QAM	1	0	18.98	19.17	19.14		
20	256QAM	1	49	18.92	19.09	19.07	20.6	5
20	256QAM	1	99	18.95	18.99	19.06		
20	256QAM	50	0	19.12	19.07	19.14		
20	256QAM	50	24	18.98	19.07	19.07	20.6	5
20	256QAM	50	50	19.02	18.95	18.96		
20	256QAM	100	0	18.94	19.04	18.96		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	24.00	24.12	23.93		
15	QPSK	1	37	23.95	23.98	23.92	25.6	0
15	QPSK	1	74	23.93	23.93	23.83		
15	QPSK	36	0	22.94	23.03	23.02		
15	QPSK	36	20	22.91	22.95	22.93	24.6	1
15	QPSK	36	39	22.76	22.85	22.91		
15	QPSK	75	0	23.04	23.17	22.91		
15	16QAM	1	0	22.92	23.00	22.94		
15	16QAM	1	37	22.90	22.95	22.86	24.6	1
15	16QAM	1	74	22.94	22.92	22.94		
15	16QAM	36	0	22.00	21.98	21.96		
15	16QAM	36	20	21.99	22.01	21.83	23.6	2
15	16QAM	36	39	21.81	21.89	21.85		
15	16QAM	75	0	21.87	21.98	21.86		
15	64QAM	1	0	21.92	22.03	21.98		
15	64QAM	1	37	21.88	21.88	21.79	23.6	2
15	64QAM	1	74	21.90	22.00	21.95		
15	64QAM	36	0	20.97	21.09	20.94		
15	64QAM	36	20	20.94	20.98	20.85	22.6	3
15	64QAM	36	39	20.96	20.93	20.92		
15	64QAM	75	0	21.09	21.05	20.97		
15	256QAM	1	0	18.86	19.05	19.02		
15	256QAM	1	37	18.88	19.00	18.93	20.6	5
15	256QAM	1	74	18.85	18.92	18.95		
15	256QAM	36	0	19.04	18.98	19.06		
15	256QAM	36	20	18.94	19.00	19.02	20.6	5
15	256QAM	36	39	18.95	18.83	18.81		
15	256QAM	75	0	18.83	18.97	18.82		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	23.96	24.15	23.96		
10	QPSK	1	25	23.84	23.93	23.86	25.6	0
10	QPSK	1	49	23.93	23.97	23.82		
10	QPSK	25	0	22.95	23.07	23.02		
10	QPSK	25	12	22.91	22.96	22.99	24.6	1
10	QPSK	25	25	22.77	22.88	22.91		
10	QPSK	50	0	22.98	23.10	22.94		
10	16QAM	1	0	22.88	22.93	22.95		
10	16QAM	1	25	22.93	23.04	22.80	24.6	1
10	16QAM	1	49	22.90	22.96	22.88

Band 38 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.08	23.13	23.05	24.6	0
20	QPSK	1	49	23.06	23.11	22.92		
20	QPSK	1	99	23.04	23.10	22.99		
20	QPSK	50	0	22.06	22.14	22.05		
20	QPSK	50	24	22.02	22.10	21.90	23.6	1
20	QPSK	50	50	22.00	22.07	21.98		
20	QPSK	100	0	22.09	22.10	22.02		
20	16QAM	1	0	22.12	22.09	22.00		
20	16QAM	1	49	22.02	22.09	21.89	23.6	1
20	16QAM	1	99	22.06	22.06	22.03		
20	16QAM	50	0	21.01	21.09	21.05		
20	16QAM	50	24	21.01	21.09	20.91	22.6	2
20	16QAM	50	50	20.97	21.09	21.00		
20	16QAM	100	0	21.15	21.12	21.01		
20	64QAM	1	0	21.16	21.15	21.04		
20	64QAM	1	49	20.98	21.08	20.86	22.6	2
20	64QAM	1	99	21.05	21.12	21.02		
20	64QAM	50	0	20.02	20.17	20.02		
20	64QAM	50	24	20.00	20.05	19.87	21.6	3
20	64QAM	50	50	19.98	20.02	20.01		
20	64QAM	100	0	20.05	20.06	19.96		
20	256QAM	1	0	18.07	18.16	18.05		
20	256QAM	1	49	17.98	18.13	17.91	19.6	5
20	256QAM	1	99	18.00	18.03	17.96		
20	256QAM	50	0	18.04	18.16	17.97		
20	256QAM	50	24	18.09	18.14	17.96	19.6	5
20	256QAM	50	50	17.99	18.13	17.84		
20	256QAM	100	0	18.06	18.02	18.05		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.03	23.00	23.01	24.6	0
15	QPSK	1	37	23.04	23.06	22.90		
15	QPSK	1	74	23.01	23.02	22.96		
15	QPSK	36	0	22.00	22.01	22.01		
15	QPSK	36	20	21.91	22.00	21.87	23.6	1
15	QPSK	36	39	21.94	21.93	21.89		
15	QPSK	75	0	22.04	22.01	22.00		
15	16QAM	1	0	22.04	22.03	21.92		
15	16QAM	1	37	21.89	21.98	21.79	23.6	1
15	16QAM	1	74	21.95	22.02	21.98		
15	16QAM	36	0	20.98	20.97	20.94		
15	16QAM	36	20	20.97	21.02	20.85	22.6	2
15	16QAM	36	39	20.88	20.96	20.91		
15	16QAM	75	0	21.09	21.09	20.88		
15	64QAM	1	0	21.07	21.10	20.95		
15	64QAM	1	37	20.88	20.96	20.77	22.6	2
15	64QAM	1	74	20.96	21.04	20.99		
15	64QAM	36	0	19.90	20.04	20.00		
15	64QAM	36	20	19.94	19.96	19.83	21.6	3
15	64QAM	36	39	19.89	19.92	19.94		
15	64QAM	75	0	19.94	20.01	19.93		
15	256QAM	1	0	18.02	18.12	17.98		
15	256QAM	1	37	17.96	18.10	17.87	19.6	5
15	256QAM	1	74	17.87	17.97	17.89		
15	256QAM	36	0	18.01	18.10	17.92		
15	256QAM	36	20	18.06	18.02	17.86	19.6	5
15	256QAM	36	39	17.88	18.11	17.80		
15	256QAM	75	0	17.98	17.90	17.92		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.98	23.07	23.02	24.6	0
10	QPSK	1	25	22.98	23.04	22.84		
10	QPSK	1	49	22.99	22.99	22.95		
10	QPSK	25	0	22.01	22.01	21.98		
10	QPSK	25	12	21.88	22.04	21.81	23.6	1
10	QPSK	25	25	21.90	22.01	21.89		
10	QPSK	50	0	22.00	22.00	21.89		
10	16QAM	1	0	22.03	21.99	21.98		
10	16QAM	1	25	21.94	22.02	21.82	23.6	1
10	16QAM	1	49	21.98	22.02	21.90		
10	16QAM	25	0	20.88	21.03	20.93		
10	16QAM	25	12	20.97	21.00	20.79	22.6	2
10	16QAM	25	25	20.90	21.02	20.96		
10	16QAM	50	0	21.04	21.09	20.98		
10	64QAM	1	0	21.06	21.05	20.98		
10	64QAM	1	25	20.84	21.02	20.77	22.6	2
10	64QAM	1	49	20.91	21.07	20.89		
10	64QAM	25	0	19.94	20.08	19.99		
10	64QAM	25	12	19.89	19.92	19.75	21.6	3
10	64QAM	25	25	19.86	19.88	19.95		
10	64QAM	50	0	19.97	20.03	19.88		
10	256QAM	1	0	17.96	18.14	18.00		
10	256QAM	1	25	17.95	18.07	17.87	19.6	5
10	256QAM	1	49	17.91	17.95	17.90		
10	256QAM	25	0	18.02	18.09	17.85		
10	256QAM	25	12	17.98	18.08	17.87	19.6	5
10	256QAM	25	25	17.90	18.06	17.75		
10	256QAM	50	0	17.96	17.99	17.94		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.98	23.04	22.97	24.6	0
5	QPSK	1	12	23.02	23.02	22.90		
5	QPSK	1	24	22.95	23.02	22.96		
5	QPSK	12	0	21.97	22.09	21.94		
5	QPSK	12	7	21.89	22.03	21.80	23.6	1
5	QPSK	12	13	21.91	21.93	21.92		
5	QPSK	25	0	22.04	22.08	21.95		
5	16QAM	1	0	22.00	21.97	21.88		
5	16QAM	1	12	21.89	22.04	21.75	23.6	1
5	16QAM	1	24	21.95	21.96	21.96		
5	16QAM	12	0	20.96	21.05	20.99		
5	16QAM	12	7	20.88	21.05	20.86	22.6	2
5	16QAM	12	13	20.86	21.07	20.94		
5	16QAM	25	0	21.01	21.03	20.99		
5	64QAM	1	0	21.03	21.05	20.95		
5	64QAM	1	12	20.91	20.94	20.77	22.6	2
5	64QAM	1	24	20.99	21.06	20.94		
5	64QAM	12	0	19.96	20.05	19.97		
5	64QAM	12	7	19.93	19.94	19.85	21.6	3
5	64QAM	12	13	19.87	19.90	19.98		
5	64QAM	25	0	20.00	20.03	19.84		
5	256QAM	1	0	18.04	18.06	17.95		
5	256QAM	1	12	17.87	18.07	17.84	19.6	5
5	256QAM	1	24	17.93	17.92	17.85		
5	256QAM	12	0	17.95	18.10	17.92		
5	256QAM	12	7	18.04	18.00	17.84	19.6	5
5	256QAM	12	13	17.90	18.10	17.80		
5	256QAM	25	0	18.00	17.98	17.91		

Band 41 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.12	23.08	23.17	23.06	23.13	
20	QPSK	1	49	23.08	22.96	23.13	22.96	23.03	24.6	0
20	QPSK	1	99	23.07	23.01	23.11	23.01	23.00	
20	QPSK	50	0	22.08	22.06	22.22	22.02	22.09	
20	QPSK	50	24	22.02	22.08	22.13	22.02	21.97	
20	QPSK	50	50	22.03	22.06	22.16	21.97	21.96	23.6	1
20	QPSK	100	0	22.16	22.06	22.20	22.06	22.10	
20	16QAM	1	0	22.13	22.10	22.18	22.03	22.16	
20	16QAM	1	49	22.10	21.92	22.11	22.01	22.07	23.6	1
20	16QAM	1	99	22.08	22.03	22.08	22.07	21.97	
20	16QAM	50	0	21.12	21.12	21.17	21.04	21.07	
20	16QAM	50	24	21.06	21.01	21.19	21.02	20.97	22.6	2
20	16QAM	50	50	21.00	21.08	21.16	20.95	21.02	
20	16QAM	100	0	21.14	21.08	21.20	21.06	21.10	
20	64QAM	1	0	21.08	21.14	21.19	21.00	21.22	
20	64QAM	1	49	21.08	20.91	21.14	21.06	21.07	22.6	2
20	64QAM	1	99	21.06	20.98	21.09	21.08	20.93	
20	64QAM	50	0	20.11	20.01	20.18	19.99	20.11	
20	64QAM	50	24	20.04	19.98	20.12	20.00	19.91	21.6	3
20	64QAM	50	50	20.06	20.05	20.18	19.95	19.99	
20	64QAM	100	0	20.22	20.11	20.15	20.09	20.09	
20	256QAM	1	0	18.07	18.07	18.22	17.99	18.11	
20	256QAM	1	49	18.01	18.02	18.14	17.96	17.92	19.6	5
20	256QAM	1	99	18.03	18.09	18.13	17.94	17.99	
20	256QAM	50	0	18.11	18.08	18.20	18.07	18.15	
20	256QAM	50	24	18.14	18.12	18.22	18.01	18.13	19.6	5
20	256QAM	50	50	18.15	17.89	18.08	17.99	18.13	
20	256QAM	100	0	18.05	17.98	18.06	18.11	17.98	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.07	22.95	23.11	22.94	23.07		
15	QPSK	1	37	22.95	22.93	23.01	22.86	22.96	25	0
15	QPSK	1	74	23.01	22.90	23.08	22.94	22.93		
15	QPSK	36	0	21.97	21.92	22.11	21.98	22.04		
15	QPSK	36	20	21.89	21.93	22.00	21.93	21.91	23.6	1
15	QPSK	36	39	21.94	22.01	22.07	21.89	21.91		
15	QPSK	75	0	22.04	21.96	22.09	21.93	22.03		
15	16QAM	1	0	22.06	22.04	22.13	21.98	22.09		
15	16QAM	1	37	22.07	21.79	21.99	21.97	21.97	23.6	1
15	16QAM	1	74	22.00	21.98	22.04	21.97	21.89		
15	16QAM	36	0	21.01	21.10	21.05	20.96	20.98		
15	16QAM	36	20	20.96	20.94	21.16	20.89	20.94	22.6	2
15	16QAM	36	39	20.90	21.01	21.13	20.83	20.98		
15	16QAM	75	0	21.09	20.96	21.11	20.97	21.05		
15	64QAM	1	0	20.95	21.10	21.12	20.86	21.12		
15	64QAM	1	37	21.06	20.87	21.07	21.04	21.00	22.6	2
15	64QAM	1	74	20.98	20.90	21.04	21.01	20.83		
15	64QAM	36	0	19.97	19.89	20.12	19.90	20.06		
15	64QAM	36	20	20.00	19.88	20.08	19.87	19.85	21.6	3
15	64QAM	36	39	20.03	19.92	20.09	19.89	19.87		
15	64QAM	75	0	20.16	20.07	20.04	20.00	19.98		
15	256QAM	1	0	17.99	18.01	18.14	17.88	18.05		
15	256QAM	1	37	17.89	17.91	18.02	17.93	17.79	19.6	5
15	256QAM	1	74	17.97	17.96	18.06	17.82	17.96		
15	256QAM	36	0	18.08	17.95	18.10	17.96	18.05		
15	256QAM	36	20	18.00	17.99	18.13	17.94	18.06	19.6	5
15	256QAM	36	39	18.08	17.81	17.96	17.98	18.08		
15	256QAM	75	0	18.01	17.87	17.97	18.05	17.87		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.04	22.95	23.15	22.99	23.10		
10	QPSK	1	25	23.03	22.92	23.07	22.86	22.94	25	0
10	QPSK	1	49	23.01	22.89	23.07	22.89	22.88		
10	QPSK	25	0	21.94	21.96	22.10	21.98	21.97		
10	QPSK	25	12	21.84	21.94	22.08	21.87	21.92	23.6	1
10	QPSK	25	25	21.97	21.96	22.03	21.87	21.89		
10	QPSK	50	0	22.14	21.99	22.13	22.04	21.96		
10	16QAM	1	0	22.08	22.00	22.06	21.92	22.12		
10	16QAM	1	25	22.02	21.82	21.99	21.89	22.05	23.6	1
10	16QAM	1	49	21.99	21.94	22.00	21.98	21.94		
10	16QAM	25	0	21.00	21.03	21.03	20.94	21.00		
10	16QAM	25	12	21.04	20.88	21.07	20.96	20.83	22.6	2
10	16QAM	25	25	20.96	20.99	21.13	20.86	20.89		
10	16QAM	50	0	21.04	21.04	21.06	21.03	20.98		
10	64QAM	1	0	21.04	21.08	21.10	20.97	21.16		
10	64QAM	1	25	20.98	20.87	21.12	21.02	20.97	22.6	2
10	64QAM	1	49	20.96	20.93	21.03	21.03	20.80		
10	64QAM	25	0	20.08	19.92	20.13	19.96	19.99		
10	64QAM	25	12	19.96	19.87	20.01	19.94	19.85	21.6	3
10	64QAM	25	25	20.03	20.00	20.15	19.93	19.92		
10	64QAM	50	0	20.11	19.98	20.01	20.03	20.00		
10	256QAM	1	0	17.99	18.03	18.08	17.86	17.99		
10	256QAM	1	25	17.93	17.93	18.09	17.84	17.79	19.6	5
10	256QAM	1	49	17.95	18.05	18.10	17.84	17.86		
10	256QAM	25	0	18.07	18.02	18.18	18.04	18.10		
10	256QAM	25	12	18.05	18.10	18.20	17.97	18.04	19.6	5
10	256QAM	25	25	18.04	17.83	18.06	17.89	18.10		
10	256QAM	50	0	18.03	17.91	18.01	18.08	17.86		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.06	23.03	23.08	22.92	23.10		
5	QPSK	1	12	23.01	22.88	23.03	22.92	22.91	25	0
5	QPSK	1	24	23.03	22.88	23.02	22.94	22.91		
5	QPSK	12	0	21.98	21.92	22.12	21.97	21.99		
5	QPSK	12	7	21.96	21.85	22.09	21.93	21.86	23.6	1
5	QPSK	12	13	21.97	21.93	22.10	21.89	21.90		
5	QPSK	25	0	22.13	21.93	22.13	21.95	21.98		
5	16QAM	1	0	22.07	22.06	22.08	21.95	22.03		
5	16QAM	1	12	22.00	21.78	22.04	21.92	21.94	23.6	1
5	16QAM	1	24	21.97	21.94	21.98	22.00	21.84		
5	16QAM	12	0	20.99	21.10	21.08	20.92	21.00		
5	16QAM	12	7	21.03	20.91	21.10	20.96	20.88	22.6	2
5	16QAM	12	13	20.93	20.99	21.09	20.85	20.92		
5	16QAM	25	0	21.11	20.96	21.09	21.01	21.08		
5	64QAM	1	0	20.98	21.07	21.07	20.97	21.10		
5	64QAM	1	12	20.97	20.85	21.02	20.98	20.96	22.6	2
5	64QAM	1	24	21.00	20.95	21.03	20.97	20.80		
5	64QAM	12	0	20.09	19.94	20.15	19.92	20.08		
5	64QAM	12	7	19.92	19.86	20.04	19.92	19.80	21.6	3
5	64QAM	12	13	19.98	19.95	20.08	19.88	19.88		
5	64QAM	25	0	20.19	19.98	20.11	20.05	20.00		
5	256QAM	1	0	17.94	18.02	18.16	17.87	18.08		
5	256QAM	1	12	17.88	17.91	18.02	17.94	17.88	19.6	5
5	256QAM	1	24	17.95	18.06	18.09	17.84	17.90		
5	256QAM	12	0	17.99	18.02	18.10	18.01	18.10		
5	256QAM	12	7	18.08	18.10	18.10	17.99	18.06	19.6	5
5	256QAM	12	13	18.11	17.75	17.94	17.95	18.01		
5	256QAM	25	0	18.03	17.89	17.99	18.08	17.84		

Band 42 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	25.08	25.13	25.10	25.7	0
20	QPSK	1	49	24.98	25.11	25.07		
20	QPSK	1	99	24.95	25.07	25.04		
20	QPSK	50	0	24.07	24.16	24.13		
20	QPSK	50	24	24.04	24.07	24.05	24.7	1
20	QPSK	50	50	23.98	24.12	24.03		
20	QPSK	100	0	24.10	24.12	24.09		
20	16QAM	1	0	24.05	24.11	24.10		
20	16QAM	1	49	23.95	24.08	24.03	24.7	1
20	16QAM	1	99	23.99	24.01	24.03		
20	16QAM	50	0	23.11	23.20	23.13		
20	16QAM	50	24	23.10	23.05	23.11	23.7	2
20	16QAM	50	50	22.98	23.09	22.98		
20	16QAM	100	0	23.04	23.13	23.07		
20	64QAM	1	0	23.02	23.08	23.07		
20	64QAM	1	49	22.93	23.13	23.03	23.7	2
20	64QAM	1	99	22.95	23.06	23.04		
20	64QAM	50	0	22.05	22.20	22.13		
20	64QAM	50	24	22.06	22.13	22.07	22.7	3
20	64QAM	50	50	22.02	22.10	22.06		
20	64QAM	100	0	22.11	22.13	22.10		
20	256QAM	1	0	20.12	20.20	20.15		
20	256QAM	1	49	20.00	20.10	20.02	20.7	5
20	256QAM	1	99	19.93	20.08	20.02		
20	256QAM	50	0	20.06	20.07	20.04		
20	256QAM	50	24	20.07	20.12	20.09	20.7	5
20	256QAM	50	50	19.89	20.13	19.99		
20	256QAM	100	0	20.04	20.02	20.07		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	24.99	25.05	24.99	25.7	0
15	QPSK	1	37	24.88	25.09	25.00		
15	QPSK	1	74	24.84	24.97	25.01		
15	QPSK	36	0	23.97	24.02	24.08		
15	QPSK	36	20	23.94	24.01	23.98	24.7	1
15	QPSK	36	39	23.89	24.02	23.89		
15	QPSK	75	0	24.02	24.01	24.05		
15	16QAM	1	0	23.99	24.08	24.07		
15	16QAM	1	37	23.86	24.03	23.91	24.7	1
15	16QAM	1	74	23.95	23.94	23.97		
15	16QAM	36	0	23.09	23.12	23.10		
15	16QAM	36	20	23.04	23.02	23.08	23.7	2
15	16QAM	36	39	22.91	23.01	22.89		
15	16QAM	75	0	23.00	23.08	23.04		
15	64QAM	1	0	22.93	22.98	23.02		
15	64QAM	1	37	22.87	23.04	22.99	23.7	2
15	64QAM	1	74	22.84	23.02	22.98		
15	64QAM	36	0	21.96	22.12	22.10		
15	64QAM	36	20	22.03	22.06	21.96	22.7	3
15	64QAM	36	39	21.90	21.97	21.92		
15	64QAM	75	0	22.00	22.06	22.05		
15	256QAM	1	0	20.04	20.10	20.09		
15	256QAM	1	37	19.88	20.05	19.99	20.7	5
15	256QAM	1	74	19.89	20.04	19.92		
15	256QAM	36	0	19.94	20.02	19.96		
15	256QAM	36	20	19.94	20.03	20.06	20.7	5
15	256QAM	36	39	19.81	20.01	19.90		
15	256QAM	75	0	20.00	19.93	19.95		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	25.02	25.08	25.01	25.7	0
10	QPSK	1	25	24.84	25.05	24.98		
10	QPSK	1	49	24.88	24.97	24.91		
10	QPSK	25	0	24.04	24.07	24.05		
10	QPSK	25	12	24.02	24.04	23.95	24.7	1
10	QPSK	25	25	23.90	24.00	24.00		
10	QPSK	50	0	24.00	24.09	24.04		
10	16QAM	1	0	24.03	24.09	24.05		
10	16QAM	1	25	23.88	24.00	23.95	24.7	1
10	16QAM	1	49	23.96	23.97	23.90		
10	16QAM	25	0	23.02	23.13	23.08		
10	16QAM	25	12	22.98	22.99	22.97	23.7	2
10	16QAM	25	25	22.87	23.07	22.85		
10	16QAM	50	0	22.98	22.99	22.99		
10	64QAM	1	0	22.92	23.03	23.03		
10	64QAM	1	25	22.85	23.03	22.96	23.7	2
10	64QAM	1	49	22.85	22.98	22.95		
10	64QAM	25	0	21.95	22.16	22.11		
10	64QAM	25	12	22.02	22.07	21.98	22.7	3
10	64QAM	25	25	21.93	22.01	21.95		
10	64QAM	50	0	22.00	22.06	22.05		
10	256QAM	1	0	20.08	20.12	20.07		
10	256QAM	1	25	19.97	19.98	19.96	20.7	5
10	256QAM	1	49	19.91	19.99	19.95		
10	256QAM	25	0	19.99	20.01	19.91		
10	256QAM	25	12	19.95	20.01	19.98	20.7	5
10	256QAM	25	25	19.80	20.03	19.95		
10	256QAM	50	0	19.93	19.90	20.04		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	25.06	25.11	24.97	25.7	0
5	QPSK	1	12	24.90	25.01	25.02		
5	QPSK	1	24	24.85	25.03	24.92		
5	QPSK	12	0	24.00	24.07	24.06		
5	QPSK	12	7	23.98	24.04	24.03	24.7	1
5	QPSK	12	13	23.94	24.01	23.96		
5	QPSK	25	0	24.03	24.07	23.97		
5	16QAM	1	0	23.92

Band 4 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	24.99	25.10	25.03		
20	QPSK	1	49	24.87	25.05	24.94	25.7	0
20	QPSK	1	99	24.90	25.03	25.01		
20	QPSK	50	0	23.97	24.13	23.98		
20	QPSK	50	24	23.82	24.00	23.95	24.7	1
20	QPSK	50	50	23.89	24.06	23.96		
20	QPSK	100	0	24.02	24.10	24.04		
20	16QAM	1	0	24.03	24.08	24.08		
20	16QAM	1	49	23.93	24.01	23.95	24.7	1
20	16QAM	1	99	23.89	24.04	23.95		
20	16QAM	50	0	22.95	23.07	23.03		
20	16QAM	50	24	22.87	22.97	22.97	23.7	2
20	16QAM	50	50	22.91	23.09	23.00		
20	16QAM	100	0	23.04	23.09	23.07		
20	64QAM	1	0	23.07	23.12	23.09		
20	64QAM	1	49	22.98	23.00	22.91	23.7	2
20	64QAM	1	99	22.94	23.10	22.93		
20	64QAM	50	0	21.98	22.09	21.98		
20	64QAM	50	24	21.83	22.00	21.99	22.7	3
20	64QAM	50	50	21.91	22.10	21.94		
20	64QAM	100	0	21.98	22.11	22.01		
20	256QAM	1	0	20.02	20.10	20.03		
20	256QAM	1	49	19.77	20.01	19.95	20.7	5
20	256QAM	1	99	19.94	20.08	19.97		
20	256QAM	50	0	19.97	20.06	20.02		
20	256QAM	50	24	20.07	20.05	20.07	20.7	5
20	256QAM	50	50	19.94	20.00	19.94		
20	256QAM	100	0	19.91	20.03	19.94		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	24.93	25.03	24.90		
15	QPSK	1	37	24.81	25.02	24.84	25.7	0
15	QPSK	1	74	24.79	24.98	24.92		
15	QPSK	36	0	23.83	24.07	23.93		
15	QPSK	36	20	23.74	23.89	23.84	24.7	1
15	QPSK	36	39	23.86	23.97	23.87		
15	QPSK	75	0	23.95	24.04	23.95		
15	16QAM	1	0	23.98	24.01	23.99		
15	16QAM	1	37	23.86	23.97	23.86	24.7	1
15	16QAM	1	74	23.85	23.98	23.85		
15	16QAM	36	0	22.83	23.00	22.89		
15	16QAM	36	20	22.79	22.86	22.90	23.7	2
15	16QAM	36	39	22.82	22.96	22.92		
15	16QAM	75	0	22.93	23.05	22.98		
15	64QAM	1	0	23.02	23.05	22.99		
15	64QAM	1	37	22.89	22.92	22.85	23.7	2
15	64QAM	1	74	22.82	22.98	22.85		
15	64QAM	36	0	21.91	21.98	21.84		
15	64QAM	36	20	21.80	21.96	21.95	22.7	3
15	64QAM	36	39	21.81	22.00	21.89		
15	64QAM	75	0	21.92	22.00	21.89		
15	256QAM	1	0	19.98	20.03	19.92		
15	256QAM	1	37	19.70	19.90	19.84	20.7	5
15	256QAM	1	74	19.88	19.97	19.92		
15	256QAM	36	0	19.93	20.02	19.89		
15	256QAM	36	20	19.95	20.01	19.93	20.7	5
15	256QAM	36	39	19.86	19.92	19.87		
15	256QAM	75	0	19.88	19.92	19.90		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.86	25.04	24.96		
10	QPSK	1	25	24.75	25.00	24.90	25.7	0
10	QPSK	1	49	24.85	25.00	24.99		
10	QPSK	25	0	23.90	24.04	23.90		
10	QPSK	25	12	23.78	23.89	23.82	24.7	1
10	QPSK	25	25	23.77	23.93	23.83		
10	QPSK	50	0	23.99	24.05	23.95		
10	16QAM	1	0	23.89	24.02	24.03		
10	16QAM	1	25	23.87	23.89	23.87	24.7	1
10	16QAM	1	49	23.85	23.95	23.86		
10	16QAM	25	0	22.92	22.94	22.95		
10	16QAM	25	12	22.76	22.90	22.94	23.7	2
10	16QAM	25	25	22.84	22.97	22.94		
10	16QAM	50	0	22.93	23.01	22.98		
10	64QAM	1	0	23.03	23.03	23.01		
10	64QAM	1	25	22.91	22.94	22.88	23.7	2
10	64QAM	1	49	22.89	23.03	22.83		
10	64QAM	25	0	21.86	22.05	21.92		
10	64QAM	25	12	21.80	21.92	21.91	22.7	3
10	64QAM	25	25	21.78	21.99	21.84		
10	64QAM	50	0	21.92	21.99	21.97		
10	64QAM	50	0	19.89	19.97	19.95		
10	256QAM	1	25	19.70	19.89	19.86	20.7	5
10	256QAM	1	49	19.82	19.96	19.84		
10	256QAM	25	0	19.90	19.94	19.95		
10	256QAM	25	12	20.05	19.91	19.94	20.7	5
10	256QAM	25	25	19.83	19.88	19.82		
10	256QAM	50	0	19.83	19.98	19.81		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	24.87	25.08	24.96		
5	QPSK	1	12	24.78	24.99	24.83	25.7	0
5	QPSK	1	24	24.82	24.98	24.93		
5	QPSK	12	0	23.84	24.04	23.91		
5	QPSK	12	7	23.75	23.93	23.87	24.7	1
5	QPSK	12	13	23.83	23.96	23.94		
5	QPSK	25	0	23.98	24.08	24.02		
5	16QAM	1	0	23.98	24.00	24.05		
5	16QAM	1	12	23.79	23.94	23.82	24.7	1
5	16QAM	1	24	23.86	23.96	23.90		
5	16QAM	12	0	22.85	23.03	22.95		
5	16QAM	12	7	22.77	22.90	22.95	23.7	2
5	16QAM	12	13	22.79	23.00	22.91		
5	16QAM	25	0	22.91	23.03	23.02		
5	64QAM	1	0	23.05	23.10	23.02		
5	64QAM	1	12	22.90	22.96	22.80	23.7	2
5	64QAM	1	24	22.86	23.04	22.83		
5	64QAM	12	0	21.93	21.97	21.94		
5	64QAM	12	7	21.75	21.93	21.91	22.7	3
5	64QAM	12	13	21.84	22.08	21.82		
5	64QAM	25	0	21.96	21.99	21.98		
5	256QAM	1	0	20.00	20.01	19.94		
5	256QAM	1	12	19.65	19.90	19.91	20.7	5
5	256QAM	1	24	19.89	20.02	19.94		
5	256QAM	12	0	19.91	19.96	19.99		
5	256QAM	12	7	19.98	19.99	20.01	20.7	5
5	256QAM	12	13	19.85	19.91	19.85		
5	256QAM	25	0	19.82	20.00	19.84		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	24.93	24.97	24.92		
3	QPSK	1	8	24.82	24.97	24.84	25.7	0
3	QPSK	1	14	24.79	24.96	24.99		
3	QPSK	8	0	23.91	24.01	23.95		
3	QPSK	8	4	23.73	23.88	23.88	24.7	1
3	QPSK	8	7	23.81	23.99	23.84		
3	QPSK	15	0	23.92	24.06	23.97		
3	16QAM	1	0	23.92	24.03	24.04		
3	16QAM	1	8	23.86	23.90	23.82	24.7	1
3	16QAM	1	14	23.83	23.93	23.82		
3	16QAM	8	0	22.84	23.05	22.89		
3	16QAM	8	4	22.73	22.92	22.90	23.7	2
3	16QAM	8	7	22.79	23.01	22.96		
3	16QAM	15	0	22.90	23.07	23.01		
3	64QAM	1	0	23.04	23.07	23.02		
3	64QAM	1	8	22.95	22.89	22.84	23.7	2
3	64QAM	1	14	22.90	23.02	22.83		
3	64QAM	8	0	21.88	22.01	21.88		
3	64QAM	8	4	21.71	21.88	21.89	22.7	3
3	64QAM	8	7	21.80	21.99	21.90		
3	64QAM	15	0	21.87	22.03	21.93		
3	256QAM	1	0	19.99	19.99	19.99		
3	256QAM	1	8	19.75	19.98	19.85	20.7	5
3	256QAM	1	14	19.83	20.00	19.94		
3	256QAM	8	0	19.91	19.95	19.90		
3	256QAM	8	4	20.04	19.94	19.99	20.7	5
3	256QAM	8	7	19.88	19.97	19.87		
3	256QAM	15	0	19.82	19.91	19.93		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.94	24.98	24.93		
1.4	QPSK	1	3	24.74	25.00	24.89		
1.4	QPSK	1	5	24.86	24.95	24.99	25.7	0
1.4	QPSK	3	0	24.85	24.94	24.89		
1.4	QPSK	3	1	24.62	24.88	24.82		
1.4	QPSK	3	3	24.79	24.85	24.90		
1.4	QPSK	6	0	23.96	23.99	24.02	24.7	1
1.4	16QAM	1	0	23.92	23.98	24.03		
1.4	16QAM	1	3	23.85	23.95	23.87		
1.4	16QAM	1	5	23.80	23.97	23.88	24.7	1
1.4	16QAM	3	0	23.82	23.88	23.88		
1.4	16QAM	3	1	23.79	23.95	23.97		
1.4	16QAM	3	3	23.74	23.93	23.79		
1.4	16QAM	6	0	22.95	23.03	23.00	23.7	2
1.4	64QAM	1	0	23.00	23.01	22.99		
1.4	64QAM	1	3	22.93	22.95	22.77		
1.4	64QAM	1	5	22.90	23.05	22.80	23.7	2
1.4	64QAM	3	0	22.84	22.94	22.92		
1.4	64QAM	3	1	22.92	22.92	22.93		
1.4	64QAM	3	3	22.80	22.93	22.69		
1.4	64QAM	6	0	21.90	22.04	21.89	22.7	3
1.4	256QAM	1	0	19.99	20.05	19.94		
1.4	256QAM	1	3	19.68	19.88	19.92		
1.4	256QAM	1	5	19.87	20.00	19.87	20.7	5
1.4	256QAM	3	0	19.90	19.94	19.96		
1.4	256QAM	3	1	20.00	19.98	19.94		
1.4	256QAM	3	3	19.89	19.90	19.86		
1.4	256QAM	6	0	19.78	20.01	19.87	20.7	5

Band 7 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.24	24.26	24.18		
20	QPSK	1	49	24.13	24.22	24.15	25.5	0
20	QPSK	1	99	24.15	24.21	24.14		
20	QPSK	50	0	23.26	23.30	23.16		
20	QPSK	50	24	23.08	23.17	23.21	24.5	1
20	QPSK	50	50	23.19	23.22	23.16		
20	QPSK	100	0	23.18	23.26	23.12		
20	16QAM	1	0	23.24	23.24	23.20		
20	16QAM	1	49	23.08	23.26	23.12	24.5	1
20	16QAM	1	99	23.10	23.26	23.09		
20	16QAM	50	0	22.23	22.31	22.20		
20	16QAM	50	24	22.03	22.14	22.22	23.5	2
20	16QAM	50	50	22.25	22.21	22.20		
20	16QAM	100	0	22.15	22.29	22.08		
20	64QAM	1	0	22.27	22.28	22.21		
20	64QAM	1	49	22.10	22.24	22.17	23.5	2
20	64QAM	1	99	22.16	22.21	22.14		
20	64QAM	50	0	21.25	21.30	21.12		
20	64QAM	50	24	21.09	21.15	21.23	22.5	3
20	64QAM	50	50	21.24	21.16	21.11		
20	64QAM	100	0	21.12	21.28	21.14		
20	256QAM	1	0	19.28	19.25	19.11		
20	256QAM	1	49	19.05	19.18	19.19	20.5	5
20	256QAM	1	99	19.20	19.26	19.17		
20	256QAM	50	0	19.17	19.23	19.16		
20	256QAM	50	24	19.27	19.22	19.18	20.5	5
20	256QAM	50	50	19.06	19.25	19.14		
20	256QAM	100	0	19.12	19.26	19.13		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.16	24.24	24.08		
15	QPSK	1	37	24.06	24.19	24.12	25.5	0
15	QPSK	1	74	24.03	24.12	24.10		
15	QPSK	36	0	23.24	23.19	23.09		
15	QPSK	36	20	22.99	23.05	23.10	24.5	1
15	QPSK	36	39	23.12	23.10	23.03		
15	QPSK	75	0	23.12	23.20	23.01		
15	16QAM	1	0	23.12	23.12	23.11		
15	16QAM	1	37	23.02	23.22	23.04	24.5	1
15	16QAM	1	74	23.01	23.24	23.06		
15	16QAM	36	0	22.20	22.26	22.12		
15	16QAM	36	20	21.98	22.06	22.14	23.5	2
15	16QAM	36	39	22.13	22.16	22.14		
15	16QAM	75	0	22.11	22.20	21.99		
15	64QAM	1	0	22.16	22.15	22.08		
15	64QAM	1	37	22.04	22.18	22.03	23.5	2
15	64QAM	1	74	22.04	22.13	22.10		
15	64QAM	36	0	21.21	21.19	21.04		
15	64QAM	36	20	20.97	21.04	21.15	22.5	3
15	64QAM	36	39	21.11	21.03	21.06		
15	64QAM	75	0	21.00	21.20	21.05		
15	256QAM	1	0	19.25	19.19	19.08		
15	256QAM	1	37	18.96	19.10	19.12	20.5	5
15	256QAM	1	74	19.06	19.20	19.11		
15	256QAM	36	0	19.04	19.16	19.09		
15	256QAM	36	20	19.13	19.10	19.09	20.5	5
15	256QAM	36	39	18.93	19.18	19.05		
15	256QAM	75	0	19.04	19.17	19.06		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.22	24.23	24.09		
10	QPSK	1	25	24.07	24.14	24.05	25.5	0
10	QPSK	1	49	24.11	24.17	24.01		
10	QPSK	25	0	23.16	23.24	23.14		
10	QPSK	25	12	23.01	23.12	23.08	24.5	1
10	QPSK	25	25	23.06	23.09	23.07		
10	QPSK	50	0	23.06	23.19	23.01		
10	16QAM	1	0	23.20	23.19	23.08		
10	16QAM	1	25	22.96	23.22	23.09	24.5	1
10	16QAM	1	49	23.02	23.16	23.03		
10	16QAM	25	0	22.20	22.18	22.15		
10	16QAM	25	12	21.92	22.09	22.14	23.5	2
10	16QAM	25	25	22.13	22.10	22.15		
10	16QAM	50	0	22.09	22.20	22.05		
10	64QAM	1	0	22.19	22.19	22.13		
10	64QAM	1	25	21.99	22.14	22.08	23.5	2
10	64QAM	1	49	22.07	22.09	22.05		
10	64QAM	25	0	21.18	21.28	21.09		
10	64QAM	25	12	20.97	21.03	21.09	22.5	3
10	64QAM	25	25	21.10	21.03	21.05		
10	64QAM	50	0	20.98	21.20	21.08		
10	256QAM	1	0	19.24	19.21	19.07		
10	256QAM	1	25	18.97	19.11	19.11	20.5	5
10	256QAM	1	49	19.14	19.18	19.04		
10	256QAM	25	0	19.09	19.18	19.13		
10	256QAM	25	12	19.18	19.13	19.11	20.5	5
10	256QAM	25	25	18.96	19.11	19.01		
10	256QAM	50	0	19.02	19.21	19.04		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.21	24.18	24.08		
5	QPSK	1	12	24.04	24.19	24.11	25.5	0
5	QPSK	1	24	24.02	24.08	24.09		
5	QPSK	12	0	23.14	23.20	23.06		
5	QPSK	12	7	23.04	23.12	23.19	24.5	1
5	QPSK	12	13	23.16	23.10	23.11		
5	QPSK	25	0	23.12	23.17	23.02		
5	16QAM	1	0	23.19	23.14	23.16		
5	16QAM	1	12	23.02	23.19	22.98	24.5	1
5	16QAM	1	24	22.98	23.18	22.96		
5	16QAM	12	0	22.17	22.19	22.18		
5	16QAM	12	7	21.92	22.09	22.11	23.5	2
5	16QAM	12	13	22.15	22.08	22.12		
5	16QAM	25	0	22.05	22.21	22.03		
5	64QAM	1	0	22.20	22.26	22.08		
5	64QAM	1	12	22.03	22.18	22.10	23.5	2
5	64QAM	1	24	22.07	22.09	22.06		
5	64QAM	12	0	21.21	21.27	21.00		
5	64QAM	12	7	21.05	21.12	21.14	22.5	3
5	64QAM	12	13	21.13	21.02	21.07		
5	64QAM	25	0	21.07	21.22	21.04		
5	256QAM	1	0	19.14	19.16	19.02		
5	256QAM	1	12	19.01	19.10	19.11	20.5	5
5	256QAM	1	24	19.14	19.18	19.11		
5	256QAM	12	0	19.07	19.20	19.09		
5	256QAM	12	7	19.24	19.09	19.13	20.5	5
5	256QAM	12	13	18.97	19.23	19.10		
5	256QAM	25	0	19.10	19.22	19.05		

Band 66 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	25.13	25.18	25.11		
20	QPSK	1	49	25.03	25.16	24.97	25.7	0
20	QPSK	1	99	25.02	25.15	24.99		
20	QPSK	50	0	24.10	24.24	24.08		
20	QPSK	50	24	24.00	24.22	23.98	24.7	1
20	QPSK	50	50	24.01	24.20	24.00		
20	QPSK	100	0	24.15	24.23	24.16		
20	16QAM	1	0	24.07	24.21	24.10		
20	16QAM	1	49	24.05	24.15	24.02	24.7	1
20	16QAM	1	99	23.96	24.12	23.94		
20	16QAM	50	0	23.15	23.27	23.11		
20	16QAM	50	24	23.04	23.24	22.92	23.7	2
20	16QAM	50	50	23.05	23.22	22.94		
20	16QAM	100	0	23.21	23.26	23.21		
20	64QAM	1	0	23.04	23.19	23.11		
20	64QAM	1	49	22.99	23.18	23.06	23.7	2
20	64QAM	1	99	22.94	23.11	22.91		
20	64QAM	50	0	22.13	22.29	22.07		
20	64QAM	50	24	21.99	22.28	21.98	22.7	3
20	64QAM	50	50	21.98	22.20	21.98		
20	64QAM	100	0	22.10	22.19	22.12		
20	256QAM	1	0	20.11	20.29	20.04		
20	256QAM	1	49	20.05	20.26	19.96	20.7	5
20	256QAM	1	99	20.04	20.23	19.99		
20	256QAM	50	0	20.15	20.21	20.20		
20	256QAM	50	24	20.05	20.26	20.04	20.7	5
20	256QAM	50	50	20.06	20.09	20.07		
20	256QAM	100	0	19.97	20.08	19.88		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	25.11	25.12	25.00		
15	QPSK	1	37	24.92	25.03	24.86	25.7	0
15	QPSK	1	74	24.97	25.10	24.93		
15	QPSK	36	0	24.02	24.11	24.06		
15	QPSK	36	20	23.97	24.19	23.92	24.7	1
15	QPSK	36	39	23.91	24.14	23.98		
15	QPSK	75	0	24.09	24.18	24.05		
15	16QAM	1	0	24.05	24.13	24.02		
15	16QAM	1	37	24.01	24.06	23.91	24.7	1
15	16QAM	1	74	23.88	24.01	23.82		
15	16QAM	36	0	23.10	23.17	23.01		
15	16QAM	36	20	22.99	23.10	22.79	23.7	2
15	16QAM	36	39	22.98	23.16	22.85		
15	16QAM	75	0	23.13	23.14	23.18		
15	64QAM	1	0	22.91	23.05	23.05		
15	64QAM	1	37	22.85	23.04	23.00	23.7	2
15	64QAM	1	74	22.86	23.05	22.84		
15	64QAM	36	0	22.02	22.24	21.97		
15	64QAM	36	20	21.97	22.24	21.86	22.7	3
15	64QAM	36	39	21.87	22.08	21.93		
15	64QAM	75	0	22.02	22.10	22.00		
15	256QAM	1	0	20.03	20.26	19.94		
15	256QAM	1	37	19.97	20.21	19.88	20.7	5
15	256QAM	1	74	19.99	20.15	19.92		
15	256QAM	36	0	20.05	20.08	20.09		
15	256QAM	36	20	19.96	20.22	19.97	20.7	5
15	256QAM	36	39	19.95	19.95	19.95		
15	256QAM	75	0	19.93	20.03	19.82		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	25.10	25.07	25.05		
10	QPSK	1	25	24.95	25.06	24.86	25.7	0
10	QPSK	1	49	25.00	25.06	24.96		
10	QPSK	25	0	24.03	24.10	24.02		
10	QPSK	25	12	23.91	24.18	23.92	24.7	1
10	QPSK	25	25	23.95	24.14	23.89		
10	QPSK	50	0	24.04	24.16	24.11		
10	16QAM	1	0	23.99	24.13	24.05		
10	16QAM	1	25	23.95	24.07	23.93	24.7	1
10	16QAM	1	49	23.86	24.08	23.88

Band 38 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.46	24.48	24.43	25.5	0
20	QPSK	1	49	24.42	24.44	24.39		
20	QPSK	1	99	24.42	24.41	24.35		
20	QPSK	50	0	23.44	23.46	23.40	24.5	1
20	QPSK	50	24	23.40	23.40	23.37		
20	QPSK	50	50	23.40	23.35	23.29		
20	QPSK	100	0	23.43	23.44	23.39		
20	16QAM	1	0	23.44	23.42	23.46		
20	16QAM	1	49	23.48	23.43	23.39	24.5	1
20	16QAM	1	99	23.47	23.42	23.40		
20	16QAM	50	0	22.42	22.49	22.40	23.5	2
20	16QAM	50	24	22.47	22.44	22.36		
20	16QAM	50	50	22.45	22.40	22.31		
20	16QAM	100	0	22.38	22.50	22.38		
20	64QAM	1	0	22.47	22.41	22.45	23.5	2
20	64QAM	1	49	22.43	22.41	22.38		
20	64QAM	1	99	22.47	22.47	22.44		
20	64QAM	50	0	21.39	21.48	21.43	22.5	3
20	64QAM	50	24	21.41	21.46	21.42		
20	64QAM	50	50	21.46	21.34	21.31		
20	64QAM	100	0	21.47	21.47	21.44		
20	256QAM	1	0	19.39	19.46	19.45	20.5	5
20	256QAM	1	49	19.48	19.42	19.39		
20	256QAM	1	99	19.35	19.30	19.32		
20	256QAM	50	0	19.42	19.39	19.40	20.5	5
20	256QAM	50	24	19.50	19.46	19.50		
20	256QAM	50	50	19.48	19.39	19.39		
20	256QAM	100	0	19.50	19.47	19.42		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.43	24.45	24.30	25.5	0
15	QPSK	1	37	24.29	24.40	24.32		
15	QPSK	1	74	24.38	24.33	24.22		
15	QPSK	36	0	23.39	23.34	23.29	24.5	1
15	QPSK	36	20	23.34	23.37	23.33		
15	QPSK	36	39	23.37	23.24	23.16		
15	QPSK	75	0	23.41	23.33	23.26		
15	16QAM	1	0	23.39	23.31	23.33	24.5	1
15	16QAM	1	37	23.44	23.37	23.37		
15	16QAM	1	74	23.40	23.39	23.33		
15	16QAM	36	0	22.37	22.38	22.26	23.5	2
15	16QAM	36	20	22.37	22.39	22.28		
15	16QAM	36	39	22.36	22.30	22.19		
15	16QAM	75	0	22.25	22.40	22.28		
15	64QAM	1	0	22.40	22.31	22.41	23.5	2
15	64QAM	1	37	22.37	22.39	22.34		
15	64QAM	1	74	22.43	22.40	22.35		
15	64QAM	36	0	21.30	21.41	21.37	22.5	3
15	64QAM	36	20	21.30	21.33	21.35		
15	64QAM	36	39	21.39	21.29	21.26		
15	64QAM	75	0	21.43	21.44	21.39		
15	256QAM	1	0	19.33	19.33	19.40	20.5	5
15	256QAM	1	37	19.42	19.32	19.36		
15	256QAM	1	74	19.31	19.19	19.30		
15	256QAM	36	0	19.38	19.29	19.34	20.5	5
15	256QAM	36	20	19.46	19.34	19.39		
15	256QAM	36	39	19.42	19.31	19.31		
15	256QAM	75	0	19.43	19.38	19.28		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.34	24.40	24.33	25.5	0
10	QPSK	1	25	24.32	24.31	24.26		
10	QPSK	1	49	24.33	24.37	24.22		
10	QPSK	25	0	23.33	23.33	23.30	24.5	1
10	QPSK	25	12	23.31	23.30	23.26		
10	QPSK	25	25	23.36	23.22	23.18		
10	QPSK	50	0	23.36	23.40	23.28		
10	16QAM	1	0	23.36	23.40	23.42	24.5	1
10	16QAM	1	25	23.39	23.33	23.28		
10	16QAM	1	49	23.38	23.33	23.30		
10	16QAM	25	0	22.35	22.43	22.34	23.5	2
10	16QAM	25	12	22.38	22.31	22.28		
10	16QAM	25	25	22.36	22.26	22.21		
10	16QAM	50	0	22.27	22.36	22.29		
10	64QAM	1	0	22.34	22.35	22.37	23.5	2
10	64QAM	1	25	22.40	22.32	22.28		
10	64QAM	1	49	22.41	22.44	22.31		
10	64QAM	25	0	21.32	21.42	21.32	22.5	3
10	64QAM	25	12	21.34	21.43	21.39		
10	64QAM	25	25	21.36	21.29	21.27		
10	64QAM	50	0	21.42	21.38	21.36		
10	256QAM	1	0	19.26	19.34	19.35	20.5	5
10	256QAM	1	25	19.44	19.31	19.33		
10	256QAM	1	49	19.27	19.27	19.28		
10	256QAM	25	0	19.37	19.27	19.32	20.5	5
10	256QAM	25	12	19.40	19.36	19.36		
10	256QAM	25	25	19.37	19.32	19.27		
10	256QAM	50	0	19.40	19.44	19.30		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.35	24.38	24.32	25.5	0
5	QPSK	1	12	24.30	24.38	24.29		
5	QPSK	1	24	24.36	24.34	24.27		
5	QPSK	12	0	23.34	23.35	23.33	24.5	1
5	QPSK	12	7	23.34	23.31	23.25		
5	QPSK	12	13	23.31	23.31	23.22		
5	QPSK	25	0	23.32	23.33	23.35		
5	16QAM	1	0	23.36	23.33	23.43	24.5	1
5	16QAM	1	12	23.37	23.37	23.31		
5	16QAM	1	24	23.37	23.35	23.34		
5	16QAM	12	0	22.39	22.37	22.27	23.5	2
5	16QAM	12	7	22.39	22.34	22.23		
5	16QAM	12	13	22.32	22.27	22.19		
5	16QAM	25	0	22.27	22.45	22.35		
5	64QAM	1	0	22.37	22.37	22.33	23.5	2
5	64QAM	1	12	22.38	22.38	22.36		
5	64QAM	1	24	22.38	22.44	22.31		
5	64QAM	12	0	21.25	21.45	21.32	22.5	3
5	64QAM	12	7	21.36	21.36	21.33		
5	64QAM	12	13	21.37	21.20	21.18		
5	64QAM	25	0	21.43	21.38	21.40		
5	256QAM	1	0	19.34	19.38	19.40	20.5	5
5	256QAM	1	12	19.45	19.32	19.28		
5	256QAM	1	24	19.26	19.21	19.23		
5	256QAM	12	0	19.31	19.34	19.34	20.5	5
5	256QAM	12	7	19.45	19.37	19.46		
5	256QAM	12	13	19.39	19.27	19.30		
5	256QAM	25	0	19.46	19.44	19.30		

Band 41 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2508	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.40	24.38	24.46	24.44	24.41	25.5	0
20	QPSK	1	49	24.28	24.27	24.41	24.40	24.30		
20	QPSK	1	99	24.30	24.29	24.40	24.37	24.32		
20	QPSK	50	0	23.42	23.40	23.50	23.40	23.44	24.5	1
20	QPSK	50	24	23.24	23.33	23.38	23.44	23.26		
20	QPSK	50	50	23.29	23.28	23.44	23.36	23.35		
20	QPSK	100	0	23.37	23.34	23.46	23.46	23.42		
20	16QAM	1	0	23.44	23.39	23.46	23.42	23.41	24.5	1
20	16QAM	1	49	23.28	23.30	23.41	23.34	23.28		
20	16QAM	1	99	23.24	23.32	23.34	23.34	23.29		
20	16QAM	50	0	22.41	22.36	22.56	22.39	22.48	23.5	2
20	16QAM	50	24	22.27	22.37	22.32	22.39	22.23		
20	16QAM	50	50	22.33	22.25	22.42	22.41	22.31		
20	16QAM	100	0	22.40	22.35	22.45	22.46	22.45		
20	64QAM	1	0	22.45	22.43	22.44	22.38	22.47	23.5	2
20	64QAM	1	49	22.28	22.29	22.46	22.37	22.26		
20	64QAM	1	99	22.19	22.29	22.37	22.31	22.31		
20	64QAM	50	0	21.37	21.41	21.53	21.36	21.41	22.5	3
20	64QAM	50	24	21.28	21.37	21.33	21.48	21.23		
20	64QAM	50	50	21.23	21.32	21.46	21.30	21.38		
20	64QAM	100	0	21.37	21.30	21.42	21.44	21.37		
20	256QAM	1	0	19.41	19.34	19.45	19.40	19.41	20.5	5
20	256QAM	1	49	19.29	19.28	19.33	19.50	19.23		
20	256QAM	1	99	19.32	19.33	19.39	19.34	19.36		
20	256QAM	50	0	19.39	19.29	19.47	19.43	19.41	20.5	5
20	256QAM	50	24	19.50	19.43	19.50	19.41	19.43		
20	256QAM	50	50	19.26	19.32	19.37	19.33	19.33		
20	256QAM	100	0	19.21	19.30	19.32	19.31	19.31		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.32	24.27	24.43	24.30	24.34	26	0
15	QPSK	1	37	24.16	24.16	24.33	24.30	24.19		
15	QPSK	1	74	24.25	24.20	24.29	24.25	24.27		
15	QPSK	36	0	23.30	23.30	23.44	23.30	23.31	24.5	1
15	QPSK	36	20	23.18	23.26	23.29	23.35	23.20		
15	QPSK	36	39	23.19	23.26	23.37	23.26	23.23		
15	QPSK	75	0	23.35	23.22	23.40	23.41	23.35		
15	16QAM	1	0	23.31	23.27	23.43	23.34	23.30	24.5	1
15	16QAM	1	37	23.22	23.23	23.31	23.31	23.23		
15	16QAM	1	74	23.18	23.27	23.26	23.24	23.21		
15	16QAM	36	0	22.28	22.29	22.53	22.26	22.42	23.5	2
15	16QAM	36	20	22.19	22.31	22.22	22.35	22.18		
15	16QAM	36	39	22.21	22.14	22.34	22.33	22.23		
15	16QAM	75	0	22.37	22.22	22.41	22.36	22.36		
15	64QAM	1	0	22.34	22.38	22.34	22.29	22.36	23.5	2
15	64QAM	1	37	22.19	22.25	22.37	22.34	22.18		
15	64QAM	1	74	22.12	22.25	22.24	22.20	22.29		
15	64QAM	36	0	21.27	21.39	21.43	21.31	21.31	22.5	3
15	64QAM	36	20	21.15	21.30	21.24	21.37	21.16		
15	64QAM	36	39	21.17	21.29	21.27	21.24	21.31		
15	64QAM	75	0	21.26	21.21	21.30	21.41	21.34		
15	256QAM	1	0	19.32	19.23	19.34	19.31	19.28	20.5	5
15	256QAM	1	37	19.19	19.22	19.27	19.45	19.18		
15	256QAM	1	74	19.24	19.30	19.31	19.27	19.27		
15	256QAM	36	0	19.28	19.26	19.40	19.31	19.37	20.5	5
15	256QAM	36	20	19.42	19.34	19.42	19.33	19.33		
15	256QAM	36	39	19.22	19.28	19.32	19.19	19.19		
15	256QAM	75	0	19.10	19.22	19.19	19.21	19.23		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.34	24.31	24.35	24.32	24.38	26	0
10	QPSK	1	25	24.16	24.24	24.28	24.31	24.18		
10	QPSK	1	49	24.22	24.26	24.35	24.31	24.28		
10	QPSK	25	0	23.31	23.29	23.43	23.28	23.32	24.5	1
10	QPSK	25	12	23.14	23.22	23.30	23.41	23.14		
10	QPSK	25	25	23.20	23.19	23.37	23.32	23.28		
10	QPSK	50	0	23.32	23.28	23.39	23.35	23.39		
10	16QAM	1	0	23.39	23.34	23.39	23.39	23.33	24.5	1
10	16QAM	1	25	23.17	23.22	23.31	23.23	23.18		
10	16QAM	1	49	23.12	23.27	23.23	23.29	23.22		
10	16QAM	25	0	22.31	22.32	22.50	22.33	22.44	23.5	2
10	16QAM	25	12	22.22	22.32	22.20	22.32	22.09		
10	16QAM	25	25	22.26	22.20	22.36	22.31	22.20		
10	16QAM	50	0	22.27	22.25	22.36	22.34	22.40		
10	64QAM	1	0	22.38	22.38	22.33	22.33	22.42	23.5	2
10	64QAM	1	25	22.23	22.17	22.33	22.27	22.18		
10	64QAM	1	49	22.08	22.25	22.23	22.24	22.26		
10	64QAM	25	0	21.23	21.34	21.46	21.25	21.33	22.5	3
10	64QAM	25	12	21.17	21.34	21.21	21.42	21.16		
10	64QAM	25	25	21.18	21.24	21.43	21.24	21.36		
10	64QAM	50	0	21.31	21.27	21.37	21.41	21.26		
10	256QAM	1	0	19.38	19.31	19.33	19.33	19.37	20.5	5
10	256QAM	1	25	19.22	19.19	19.24	19.47	19.11		
10	256QAM	1	49	19.29	19.22	19.31	19.27	19.30		
10	256QAM	25	0	19.28	19.16	19.42	19.37	19.38	20.5	5
10	256QAM	25	12	19.42	19.33	19.43	19.37	19.31		
10	256QAM	25	25	19.21	19.35	19.25	19.38	19.27		
10	256QAM	50	0	19.08	19.22	19.24	19.23	19.19		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.37	24.35	24.36	24.39	24.35	26	0
5	QPSK	1	12	24.20	24.23	24.32	24.28	24.21		
5	QPSK	1	24	24.21	24.21	24.36	24.28	24.23		
5	QPSK	12	0	23.28	23.36	23.45	23.34	23.38	24.5	1
5	QPSK	12	7	23.14	23.31	23.25	23.38	23.14		
5	QPSK	12	13	23.16	23.20	23.38	23.23	23.32		
5	QPSK	25	0	23.33	23.25	23.43	23.35	23.32		
5	16QAM	1	0	23.41	23.25	23.36	23.34	23.28	24.5	1
5	16QAM	1	12	23.20	23.21	23.30	23.29	23.26		
5	16QAM	1	24	23.17	23.18	23.30	23.28	23.15		
5	16QAM	12	0	22.38	22.28	22.45	22.33	22.39	23.5	2
5	16QAM	12	7	22.28	22.26	22.28	22.38	22.10		
5	16QAM	12	13	22.28	22.13	22.39	22.34	22.23		
5	16QAM	25	0	22.31	22.23	22.38	22.44	22.41		
5	64QAM	1	0	22.40	22.36	22.36	22.31	22.33	23.5	2
5	64QAM	1	12	22.26	22.26	22.40	22.27	22.17		
5	64QAM	1	24	22.13	22.19	22.34	22.18	22.27		
5	64QAM	12	0	21.24	21.35	21.41	21.30	21.36	22.5	3
5	64QAM	12	7	21.23	21.29	21.24	21.35	21.13		
5	64QAM	12	13	21.12	21.22	21.44	21.27	21.30		
5	64QAM	25	0	21.32	21.19	21.31	21.37	21.32		
5	256QAM	1	0	19.33	19.21	19.33	19.29	19.35	20.5	5
5	256QAM	1	12	19.21	19.18	19.25	19.44	19.20		
5	256QAM	1	24	19.23	19.29	19.33	19.21	19.30		
5	256QAM	12	0	19.25	19.24	19.41	19.37	19.29	20.5	5
5	256QAM	12	7	19.45	19.33	19.44	19.28	19.31		
5	256QAM	12	13	19.20	19.25	19.29	19.20	19.28		
5	256QAM	25	0	19.15	19.24	19.21	19.22	19.23		

Band 42 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.70	23.75	23.72	25	0
20	QPSK	1	49	23.61	23.72	23.61		
20	QPSK	1	99	23.63	23.71	23.68		
20	QPSK	50	0	22.74	22.76	22.66	24	1
20	QPSK	50	24	22.57	22.69	22.63		
20	QPSK	50	50	22.63	22.75	22.70		
20	QPSK	100	0	22.66	22.73	22.72		
20	16QAM	1	0	22.69	22.72	22.74	24	1
20	16QAM	1	49	22.61	22.75	22.67		
20	16QAM	1	99	22.61	22.76	22.63		
20	16QAM	50	0	21.69	21.73	21.60	23	2
20	16QAM	50	24	21.52	21.71	21.60		
20	16QAM	50	50	21.64	21.74	21.70		
20	16QAM	100	0	21.67	21.76	21.72		
20	64QAM	1	0	21.73	21.73	21.69	23	2
20	64QAM	1	49	21.58	21.79	21.67		
20	64QAM	1	99	21.57	21.81	21.59		
20	64QAM	50	0	20.76	20.80	20.72	22	3
20	64QAM	50	24	20.58	20.65	20.66		
20	64QAM	50	50	20.68	20.71	20.65		
20	64QAM	100	0	20.71	20.67	20.77		
20	256QAM	1	0	18.74	18.77	18.61	20	5
20	256QAM	1	49	18.52	18.67	18.60		
20	256QAM	1	99	18.60	18.80	18.75		
20	256QAM	50	0	18.72	18.69	18.71	20	5
20	256QAM	50	24	18.71	18.67	18.75		
20	256QAM	50	50	18.65	18.76	18.63		
20	256QAM	100	0	18.62	18.72	18.61		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	23.57	23.65	23.70	25	0
15	QPSK	1	37	23.55	23.63	23.59		
15	QPSK	1	74	23.53	23.60	23.58		
15	QPSK	36	0	22.61	22.69	22.62	24	1
15	QPSK	36	20	22.46	22.56	22.50		
15	QPSK	36	39	22.59	22.66	22.60		
15	QPSK	75	0	22.57	22.69	22.58		
15	16QAM	1	0	22.60	22.59	22.62	24	1
15	16QAM	1	37	22.53	22.63	22.64		
15	16QAM	1	74	22.55	22.71	22.50		
15	16QAM	36	0	21.63	21.68	21.57	23	2
15	16QAM	36	20	21.41	21.60	21.49		
15	16QAM	36	39	21.62	21.60	21.64		
15	16QAM	75	0	21.57	21.66	21.64		
15	64QAM	1	0	21.63	21.68	21.57	23	2
15	64QAM	1	37	21.51	21.68	21.64		
15	64QAM	1	74	21.48	21.71	21.49		
15	64QAM	36	0	20.73	20.71	20.70	22	3
15	64QAM	36	20	20.46	20.58	20.57		
15	64QAM	36	39	20.63	20.68	20.58		
15	64QAM	75	0	20.62	20.62	20.75		
15	256QAM	1	0	18.63	18.74	18.57	20	5
15	256QAM	1	37	18.50	18.58	18.56		
15	256QAM	1	74	18.55	18.71	18.64		
15	256QAM	36	0	18.69	18.63	18.60	20	5
15	256QAM	36	20	18.59	18.63	18.72		
15	256QAM	36	39	18.61	18.73	18.58		
15	256QAM	75	0	18.60	18.69	18.53		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	23.68	23.71	23.65	25	0
10	QPSK	1	25	23.55	23.63	23.57		
10	QPSK	1	49	23.55	23.58	23.60		
10	QPSK	25	0	22.65	22.66	22.64	24	1
10	QPSK	25	12	22.48	22.61	22.59		
10	QPSK	25	25	22.57	22.67	22.63		
10	QPSK	50	0	22.62	22.62	22.63		
10	16QAM	1	0	22.66	22.59	22.70	24	1
10	16QAM	1	25	22.50	22.70	22.65		
10	16QAM	1	49	22.58	22.64	22.58		
10	16QAM	25	0	21.58	21.69	21.47	23	2
10	16QAM	25	12	21.38	21.63	21.57		
10	16QAM	25	25	21.55	21.61	21.62		
10	16QAM	50	0	21.63	21.62	21.62		
10	64QAM	1	0	21.65	21.68	21.66	23	2
10	64QAM	1	25	21.54	21.68	21.60		
10	64QAM	1	49	21.43	21.68	21.48		
10	64QAM	25	0	20.64	20.69	20.62	22	3
10	64QAM	25	12	20.54	20.62	20.63		
10	64QAM	25	25	20.60	20.67	20.52		
10	64QAM	50	0	20.61	20.60	20.66		
10	256QAM	1	0	18.62	18.71	18.56	20	5
10	256QAM	1	25	18.50	18.64	18.58		
10	256QAM	1	49	18.49	18.71	18.65		
10	256QAM	25	0	18.67	18.55	18.62	20	5
10	256QAM	25	12	18.64	18.62	18.71		
10	256QAM	25	25	18.61	18.73	18.58		
10	256QAM	50	0	18.57	18.61	18.59		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	23.60	23.65	23.68	25	0
5	QPSK	1	12	23.53	23.62	23.50		
5	QPSK	1	24	23.60	23.68	23.55		
5	QPSK	12	0	22.61	22.73	22.58	24	1
5	QPSK	12	7	22.49	22.55	22.54		
5	QPSK	12	13	22.61	22.73	22.58		
5	QPSK	25	0	22.57	22.65	22.62		
5	16QAM	1	0	22.55	22.69	22.66

Band 4 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	22.39	22.44	22.35		
20	QPSK	1	49	22.27	22.42	22.32	23.9	0
20	QPSK	1	99	22.34	22.40	22.31		
20	QPSK	50	0	21.40	21.46	21.40		
20	QPSK	50	24	21.26	21.45	21.33	22.9	1
20	QPSK	50	50	21.36	21.38	21.25		
20	QPSK	100	0	21.36	21.45	21.30		
20	16QAM	1	0	21.41	21.43	21.40		
20	16QAM	1	49	21.27	21.40	21.27	22.9	1
20	16QAM	1	99	21.31	21.35	21.37		
20	16QAM	50	0	20.39	20.41	20.42		
20	16QAM	50	24	20.21	20.47	20.36	21.9	2
20	16QAM	50	50	20.41	20.40	20.24		
20	16QAM	100	0	20.42	20.46	20.28		
20	64QAM	1	0	20.38	20.47	20.41		
20	64QAM	1	49	20.32	20.45	20.24	21.9	2
20	64QAM	1	99	20.33	20.36	20.31		
20	64QAM	50	0	19.36	19.47	19.45		
20	64QAM	50	24	19.21	19.44	19.38	20.9	3
20	64QAM	50	50	19.37	19.43	19.24		
20	64QAM	100	0	19.38	19.51	19.25		
20	256QAM	1	0	17.38	17.43	17.42		
20	256QAM	1	49	17.30	17.49	17.34	18.9	5
20	256QAM	1	99	17.32	17.36	17.20		
20	256QAM	50	0	17.34	17.42	17.35		
20	256QAM	50	24	17.39	17.46	17.40	18.9	5
20	256QAM	50	50	17.26	17.36	17.27		
20	256QAM	100	0	17.31	17.33	17.36		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	22.26	22.33	22.22		
15	QPSK	1	37	22.17	22.37	22.25	23.9	0
15	QPSK	1	74	22.29	22.36	22.20		
15	QPSK	36	0	21.33	21.41	21.31		
15	QPSK	36	20	21.14	21.39	21.23	22.9	1
15	QPSK	36	39	21.29	21.34	21.12		
15	QPSK	75	0	21.31	21.34	21.26		
15	16QAM	1	0	21.36	21.30	21.38		
15	16QAM	1	37	21.24	21.26	21.25	22.9	1
15	16QAM	1	74	21.22	21.23	21.31		
15	16QAM	36	0	20.29	20.39	20.28		
15	16QAM	36	20	20.13	20.43	20.27	21.9	2
15	16QAM	36	39	20.31	20.34	20.18		
15	16QAM	75	0	20.39	20.33	20.15		
15	64QAM	1	0	20.31	20.41	20.35		
15	64QAM	1	37	20.29	20.32	20.12	21.9	2
15	64QAM	1	74	20.23	20.31	20.20		
15	64QAM	36	0	19.30	19.35	19.42		
15	64QAM	36	20	19.14	19.31	19.34	20.9	3
15	64QAM	36	39	19.25	19.30	19.14		
15	64QAM	75	0	19.28	19.48	19.13		
15	256QAM	1	0	17.27	17.40	17.38		
15	256QAM	1	37	17.17	17.46	17.24	18.9	5
15	256QAM	1	74	17.28	17.33	17.06		
15	256QAM	36	0	17.24	17.39	17.26		
15	256QAM	36	20	17.32	17.40	17.28	18.9	5
15	256QAM	36	39	17.13	17.27	17.25		
15	256QAM	75	0	17.24	17.26	17.25		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	22.31	22.36	22.24		
10	QPSK	1	25	22.16	22.35	22.28	23.9	0
10	QPSK	1	49	22.22	22.29	22.23		
10	QPSK	25	0	21.32	21.40	21.31		
10	QPSK	25	12	21.17	21.33	21.31	22.9	1
10	QPSK	25	25	21.23	21.28	21.15		
10	QPSK	50	0	21.31	21.31	21.27		
10	16QAM	1	0	21.34	21.39	21.38		
10	16QAM	1	25	21.19	21.30	21.18	22.9	1
10	16QAM	1	49	21.23	21.24	21.24		
10	16QAM	25	0	20.34	20.31	20.36		
10	16QAM	25	12	20.15	20.42	20.23	21.9	2
10	16QAM	25	25	20.31	20.33	20.19		
10	16QAM	50	0	20.38	20.33	20.24		
10	64QAM	1	0	20.30	20.43	20.39		
10	64QAM	1	25	20.22	20.32	20.21	21.9	2
10	64QAM	1	49	20.21	20.25	20.27		
10	64QAM	25	0	19.30	19.42	19.34		
10	64QAM	25	12	19.10	19.36	19.26	20.9	3
10	64QAM	25	25	19.29	19.31	19.14		
10	64QAM	50	0	19.28	19.38	19.14		
10	256QAM	1	0	17.27	17.39	17.36		
10	256QAM	1	25	17.17	17.37	17.32	18.9	5
10	256QAM	1	49	17.21	17.23	17.15		
10	256QAM	25	0	17.26	17.34	17.23		
10	256QAM	25	12	17.36	17.36	17.37	18.9	5
10	256QAM	25	25	17.17	17.27	17.25		
10	256QAM	50	0	17.19	17.25	17.33		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	22.28	22.33	22.24		
5	QPSK	1	12	22.24	22.34	22.22	23.9	0
5	QPSK	1	24	22.26	22.26	22.20		
5	QPSK	12	0	21.34	21.43	21.28		
5	QPSK	12	7	21.20	21.34	21.29	22.9	1
5	QPSK	12	13	21.23	21.35	21.12		
5	QPSK	25	0	21.34	21.37	21.21		
5	16QAM	1	0	21.31	21.30	21.32		
5	16QAM	1	12	21.22	21.34	21.17	22.9	1
5	16QAM	1	24	21.19	21.27	21.31		
5	16QAM	12	0	20.26	20.30	20.36		
5	16QAM	12	7	20.14	20.39	20.29	21.9	2
5	16QAM	12	13	20.33	20.36	20.21		
5	16QAM	25	0	20.30	20.39	20.25		
5	64QAM	1	0	20.34	20.35	20.28		
5	64QAM	1	12	20.23	20.41	20.22	21.9	2
5	64QAM	1	24	20.20	20.30	20.23		
5	64QAM	12	0	19.26	19.42	19.32		
5	64QAM	12	7	19.14	19.32	19.34	20.9	3
5	64QAM	12	13	19.25	19.41	19.13		
5	64QAM	25	0	19.29	19.49	19.14		
5	256QAM	1	0	17.27	17.33	17.29		
5	256QAM	1	12	17.23	17.36	17.23	18.9	5
5	256QAM	1	24	17.27	17.34	17.10		
5	256QAM	12	0	17.30	17.30	17.32		
5	256QAM	12	7	17.26	17.41	17.30	18.9	5
5	256QAM	12	13	17.15	17.33	17.23		
5	256QAM	25	0	17.21	17.26	17.29		
Channel				19950	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	22.34	22.32	22.31		
3	QPSK	1	8	22.23	22.31	22.25	23.9	0
3	QPSK	1	14	22.30	22.29	22.20		
3	QPSK	8	0	21.28	21.43	21.28		
3	QPSK	8	4	21.17	21.41	21.27	22.9	1
3	QPSK	8	7	21.23	21.34	21.21		
3	QPSK	15	0	21.33	21.39	21.28		
3	16QAM	1	0	21.32	21.34	21.26		
3	16QAM	1	8	21.21	21.31	21.15	22.9	1
3	16QAM	1	14	21.23	21.32	21.34		
3	16QAM	8	0	20.35	20.37	20.30		
3	16QAM	8	4	20.11	20.42	20.30	21.9	2
3	16QAM	8	7	20.35	20.38	20.14		
3	16QAM	15	0	20.39	20.41	20.16		
3	64QAM	1	0	20.30	20.34	20.39		
3	64QAM	1	8	20.24	20.39	20.20	21.9	2
3	64QAM	1	14	20.28	20.27	20.17		
3	64QAM	8	0	19.33	19.36	19.36		
3	64QAM	8	4	19.13	19.35	19.33	20.9	3
3	64QAM	8	7	19.27	19.33	19.15		
3	64QAM	15	0	19.28	19.43	19.16		
3	256QAM	1	0	17.30	17.41	17.40		
3	256QAM	1	8	17.23	17.40	17.31	18.9	5
3	256QAM	1	14	17.21	17.29	17.06		
3	256QAM	8	0	17.22	17.40	17.30		
3	256QAM	8	4	17.36	17.42	17.32	18.9	5
3	256QAM	8	7	17.16	17.31	17.16		
3	256QAM	15	0	17.19	17.21	17.31		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	22.29	22.35	22.29		
1.4	QPSK	1	3	22.22	22.30	22.19		
1.4	QPSK	1	5	22.24	22.29	22.27	23.9	0
1.4	QPSK	3	0	22.16	22.30	22.27		
1.4	QPSK	3	1	22.10	22.17	22.16		
1.4	QPSK	3	3	22.15	22.25	22.19		
1.4	QPSK	6	0	21.27	21.39	21.20	22.9	1
1.4	16QAM	1	0	21.30	21.31	21.33		
1.4	16QAM	1	3	21.16	21.37	21.16		
1.4	16QAM	1	5	21.22	21.21	21.32	22.9	1
1.4	16QAM	3	0	21.19	21.32	21.16		
1.4	16QAM	3	1	21.22	21.25	21.28		
1.4	16QAM	3	3	21.04	21.27	21.02		
1.4	16QAM	6	0	20.29	20.34	20.19	21.9	2
1.4	64QAM	1	0	20.30	20.44	20.29		
1.4	64QAM	1	3	20.19	20.38	20.18		
1.4	64QAM	1	5	20.27	20.22	20.28	21.9	2
1.4	64QAM	3	0	20.24	20.27	20.11		
1.4	64QAM	3	1	20.19	20.39	20.23		
1.4	64QAM	3	3	20.10	20.32	20.07		
1.4	64QAM	6	0	19.32	19.49	19.16	20.9	3
1.4	256QAM	1	0	17.32	17.29	17.29		
1.4	256QAM	1	3	17.18	17.44	17.25		
1.4	256QAM	1	5	17.24	17.33	17.12	18.9	5
1.4	256QAM	3	0	17.30	17.28	17.23		
1.4	256QAM	3	1	17.36	17.38	17.28		
1.4	256QAM	3	3	17.22	17.32	17.19		
1.4	256QAM	6	0	17.17	17.20	17.23	18.9	5

Band 7 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.93	22.06	21.99		
20	QPSK	1	49	21.87	21.98	21.89	23.4	0
20	QPSK	1	99	21.88	21.96	21.86		
20	QPSK	50	0	20.93	21.10	20.96		
20	QPSK	50	24	20.85	20.99	20.92	22.4	1
20	QPSK	50	50	20.91	21.01	20.88		
20	QPSK	100	0	20.88	21.06	20.97		
20	16QAM	1	0	20.92	21.04	20.98		
20	16QAM	1	49	20.83	21.01	20.85	22.4	1
20	16QAM	1	99	20.87	20.93	20.81		
20	16QAM	50	0	19.96	20.06	19.91		
20	16QAM	50	24	19.80	20.04	19.89	21.4	2
20	16QAM	50	50	19.91	19.98	19.93		
20	16QAM	100	0	19.91	20.04	20.02		
20	64QAM	1	0	19.90	20.00	19.93		
20	64QAM	1	49	19.81	20.03	19.80	21.4	2
20	64QAM	1	99	19.91	19.93	19.81		
20	64QAM	50	0	18.94	19.08	18.91		
20	64QAM	50	24	18.89	19.04	18.98	20.4	3
20	64QAM	50	50	18.92	19.02	18.84		
20	64QAM	100	0	18.92	19.06	18.97		
20	256QAM	1	0	16.95	17.15	16.98		
20	256QAM	1	49	16.85	16.99	16.96	18.4	5
20	256QAM	1	99	16.92	17.04	16.93		
20	256QAM	50	0	16.83	17.06	17.02		
20	256QAM	50	24	16.87	17.02	16.94	18.4	5
20	256QAM	50	50	16.78	16.98	16.82		
20	256QAM	100	0	16.84	16.88	16.82		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.80	21.98	21.94		
15	QPSK	1	37	21.74	21.85	21.76	23.4	0
15	QPSK	1	74	21.76	21.88	21.77		
15	QPSK	36	0	20.85	21.01	20.82		
15	QPSK	36	20	20.77	20.86	20.79	22.4	1
15	QPSK	36	39	20.84	20.91	20.82		
15	QPSK	75	0	20.83	20.95	20.93		
15	16QAM	1	0	20.90	20.99	20.91		
15	16QAM	1	37	20.79	20.95	20.79	22.4	1
15	16QAM	1	74	20.74	20.86	20.74		
15	16QAM	36	0	19.91	20.00	19.82		
15	16QAM	36	20	19.69	19.97	19.84	21.4	2
15	16QAM	36	39	19.84	19.90	19.85		
15	16QAM	75	0	19.79	19.93	19.91		
15	64QAM	1	0	19.88	19.95	19.80		
15	64QAM	1	37	19.74	19.92	19.77	21.4	2
15	64QAM	1	74	19.77	19.87	19.76		
15	64QAM	36	0	18.82	19.03	18.88		
15	64QAM	36	20	18.86	19.01	18.88	20.4	3
15	64QAM	36	39	18.89	18.99	18.78		
15	64QAM	75	0	18.87	18.94	18.84		
15	256QAM	1	0	16.92	17.02	16.93		
15	256QAM	1	37	16.77	16.89	16.92	18.4	5
15	256QAM	1	74	16.88	16.98	16.83		
15	256QAM	36	0	16.70	16.99	16.90		
15	256QAM	36	20	16.80	16.91	16.83	18.4	5
15	256QAM	36	39	16.71	16.95	16.77		
15	256QAM	75	0	16.72	16.84	16.72		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.86	22.02	21.89		
10	QPSK	1	25	21.85	21.93	21.82	23.4	0
10	QPSK	1	49	21.85	21.85	21.73		
10	QPSK	25	0	20.87	21.05	20.86		
10	QPSK	25	12	20.80	20.89	20.87	22.4	1
10	QPSK	25	25	20.79	20.96	20.75		
10	QPSK	50	0	20.84	21.02	20.95		
10	16QAM	1	0	20.78	21.00	20.92		
10	16QAM	1	25	20.72	20.97	20.78	22.4	1
10	16QAM	1	49	20.80	20.87	20.76		
10	16QAM	25	0	19.85	19.97	19.78		
10	16QAM	25	12	19.78	19.98	19.75	21.4	2
10	16QAM	25	25	19.78	19.92	19.79		
10	16QAM	50	0	19.79	20.02	19.97		
10	64QAM	1	0	19.77	19.98	19.79		
10	64QAM	1	25	19.71	19.92	19.70	21.4	2
10	64QAM	1	49	19.82	19.82	19.78		
10	64QAM	25	0	18.88	19.05	18.79		
10	64QAM	25	12	18.86	18.99	18.94	20.4	3
10	64QAM	25	25	18.80	18.98	18.80		
10	64QAM	50	0	18.81	18.98	18.85		
10	256QAM	1	0	16.89	17.09	16.88		
10	256QAM	1	25	16.77	16.90	16.93	18.4	5
10	256QAM	1	49	16.85	16.96	16.87		
10	256QAM	25	0	16.73	17.04	16.98		
10	256QAM	25	12	16.82	16.92	16.90	18.4	5
10	256QAM	25	25	16.69	16.94	16.74		
10	256QAM	50	0	16.79	16.82	16.70		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.88	21.96	21.86		
5	QPSK	1	12	21.74	21.87	21.77	23.4	0
5	QPSK	1	24	21.75	21.91	21.79		
5	QPSK	12	0	20.86	20.96	20.85		
5	QPSK	12	7	20.73	20.90	20.81	22.4	1
5	QPSK	12	13	20.86	20.92	20.84		
5	QPSK	25	0	20.81	20.93	20.86		
5	16QAM	1	0	20.88	20.96	20.91		
5	16QAM	1	12	20.69	20.93	20.74	22.4	1
5	16QAM	1	24	20.76	20.87	20.74		
5	16QAM	12	0	19.90	19.95	19.87		
5	16QAM	12	7	19.74	19.98	19.86	21.4	2
5	16QAM	12	13	19.86	19.91	19.90		
5	16QAM	25	0	19.88	19.97	19.93		
5	64QAM	1	0	19.88	19.97	19.89		
5	64QAM	1	12	19.79	19.90	19.73	21.4	2
5	64QAM	1	24	19.81	19.88	19.78		
5	64QAM	12	0	18.82	19.04	18.85		
5	64QAM	12	7	18.82	18.94	18.96	20.4	3
5	64QAM	12	13	18.80	18.96	18.75		
5	64QAM	25	0	18.89	18.95	18.87		
5	256QAM	1	0	16.91	17.02	16.86		
5	256QAM	1	12	16.75	16.90	16.86	18.4	5
5	256QAM	1	24	16.83	17.01	16.86		
5	256QAM	12	0	16.76	17.02	16.92		
5	256QAM	12	7	16.80	16.95	16.85	18.4	5
5	256QAM	12	13	16.64	16.91	16.70		
5	256QAM	25	0	16.72	16.78	16.79		

Band 66 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	22.37	22.41	22.40		
20	QPSK	1	49	22.30	22.38	22.35	24	0
20	QPSK	1	99	22.28	22.37	22.38		
20	QPSK	50	0	21.39	21.45	21.37		
20	QPSK	50	24	21.30	21.42	21.36	23	1
20	QPSK	50	50	21.25	21.42	21.40		
20	QPSK	100	0	21.34	21.43	21.35		
20	16QAM	1	0	21.40	21.41	21.37		
20	16QAM	1	49	21.29	21.36	21.39	23	1
20	16QAM	1	99	21.23	21.38	21.34		
20	16QAM	50	0	20.42	20.45	20.41		
20	16QAM	50	24	20.32	20.39	20.41	22	2
20	16QAM	50	50	20.26	20.47	20.42		
20	16QAM	100	0	20.34	20.49	20.29		
20	64QAM	1	0	20.39	20.45	20.37		
20	64QAM	1	49	20.30	20.40	20.34	22	2
20	64QAM	1	99	20.26	20.41	20.29		
20	64QAM	50	0	19.39	19.44	19.35		
20	64QAM	50	24	19.26	19.40	19.42	21	3
20	64QAM	50	50	19.28	19.46	19.36		
20	64QAM	100	0	19.36	19.45	19.30		
20	256QAM	1	0	17.37	17.45	17.34		
20	256QAM	1	49	17.36	17.36	17.34	19	5
20	256QAM	1	99	17.22	17.37	17.35		
20	256QAM	50	0	17.30	17.47	17.38		
20	256QAM	50	24	17.42	17.38	17.38	19	5
20	256QAM	50	50	17.23	17.37	17.37		
20	256QAM	100	0	17.21	17.40	17.32		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	22.34	22.34	22.38		
15	QPSK	1	37	22.25	22.28	22.24	24	0
15	QPSK	1	74	22.15	22.29	22.35		
15	QPSK	36	0	21.36	21.35	21.32		
15	QPSK	36	20	21.20	21.39	21.28	23	1
15	QPSK	36	39	21.14	21.34	21.35		
15	QPSK	75	0	21.31	21.40	21.32		
15	16QAM	1	0	21.31	21.35	21.24		
15	16QAM	1	37	21.24	21.22	21.27	23	1
15	16QAM	1	74	21.14	21.28	21.21		
15	16QAM	36	0	20.31	20.31	20.28		
15	16QAM	36	20	20.27	20.35	20.29	22	2
15	16QAM	36	39	20.24	20.34	20.34		
15	16QAM	75	0	20.28	20.37	20.22		
15	64QAM	1	0	20.29	20.37	20.32		
15	64QAM	1	37	20.27	20.29	20.22	22	2
15	64QAM	1	74	20.19	20.34	20.25		
15	64QAM	36	0	19.35	19.36	19.26		
15	64QAM	36	20	19.16	19.29	19.35	21	3
15	64QAM	36	39	19.14	19.41	19.29		
15	64QAM	75	0	19.31	19.38	19.18		
15	256QAM	1	0	17.33	17.43	17.23		
15	256QAM	1	37	17.27	17.26	17.28	19	5
15	256QAM	1	74	17.09	17.33	17.32		
15	256QAM	36	0	17.19	17.42	17.28		
15	256QAM	36	20	17.31	17.27	17.26	19	5
15	256QAM	36	39	17.19	17.35	17.24		
15	256QAM	75	0	17.13	17.35	17.26		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	22.26	22.30	22.34		
10	QPSK	1	25	22.18	22.30	22.24	24	0
10	QPSK	1	49	22.15	22.33	22.34		
10	QPSK	25	0	21.35	21.37	21.26		
10	QPSK	25	12	21.25	21.30	21.30	23	1
10	QPSK	25	25	21.18	21.34	21.33		
10	QPSK	50	0	21.31	21.35	21.31		
10	16QAM	1	0	21.31	21.38	21.30		
10	16QAM	1	25	21.23	21.25	21.28	23	1
10	16QAM	1	49	21.15	21.26	21.23		
10	16QAM	25	0	20.31	20.43	20.29

Band 38 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.38	22.44	22.39	23.6	0
20	QPSK	1	49	22.31	22.40	22.34		
20	QPSK	1	99	22.31	22.39	22.28		
20	QPSK	50	0	21.41	21.48	21.42	22.6	1
20	QPSK	50	24	21.36	21.44	21.39		
20	QPSK	50	50	21.30	21.33	21.23		
20	QPSK	100	0	21.43	21.46	21.34		
20	16QAM	1	0	21.34	21.44	21.38	22.6	1
20	16QAM	1	49	21.28	21.43	21.37		
20	16QAM	1	99	21.25	21.38	21.28		
20	16QAM	50	0	20.45	20.44	20.40	21.6	2
20	16QAM	50	24	20.35	20.39	20.36		
20	16QAM	50	50	20.34	20.30	20.19		
20	16QAM	100	0	20.45	20.43	20.33		
20	64QAM	1	0	20.29	20.42	20.32	21.6	2
20	64QAM	1	49	20.31	20.46	20.36		
20	64QAM	1	99	20.28	20.32	20.22		
20	64QAM	50	0	19.36	19.51	19.39	20.6	3
20	64QAM	50	24	19.38	19.43	19.44		
20	64QAM	50	50	19.26	19.29	19.28		
20	64QAM	100	0	19.46	19.41	19.32		
20	256QAM	1	0	17.44	17.46	17.36	18.6	5
20	256QAM	1	49	17.34	17.44	17.35		
20	256QAM	1	99	17.32	17.35	17.19		
20	256QAM	50	0	17.47	17.44	17.39	18.6	5
20	256QAM	50	24	17.30	17.44	17.37		
20	256QAM	50	50	17.28	17.49	17.34		
20	256QAM	100	0	17.21	17.42	17.27		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.30	22.42	22.33	23.6	0
15	QPSK	1	37	22.23	22.34	22.23		
15	QPSK	1	74	22.25	22.32	22.15		
15	QPSK	36	0	21.30	21.46	21.39	22.6	1
15	QPSK	36	20	21.25	21.37	21.26		
15	QPSK	36	39	21.17	21.25	21.17		
15	QPSK	75	0	21.39	21.41	21.25		
15	16QAM	1	0	21.22	21.35	21.28	22.6	1
15	16QAM	1	37	21.23	21.32	21.23		
15	16QAM	1	74	21.13	21.25	21.14		
15	16QAM	36	0	20.33	20.37	20.35	21.6	2
15	16QAM	36	20	20.23	20.35	20.30		
15	16QAM	36	39	20.22	20.26	20.16		
15	16QAM	75	0	20.39	20.34	20.21		
15	64QAM	1	0	20.17	20.40	20.30	21.6	2
15	64QAM	1	37	20.19	20.40	20.30		
15	64QAM	1	74	20.21	20.26	20.12		
15	64QAM	36	0	19.31	19.41	19.26	20.6	3
15	64QAM	36	20	19.26	19.31	19.31		
15	64QAM	36	39	19.18	19.15	19.17		
15	64QAM	75	0	19.42	19.33	19.27		
15	256QAM	1	0	17.33	17.36	17.29	18.6	5
15	256QAM	1	37	17.30	17.41	17.28		
15	256QAM	1	74	17.30	17.31	17.13		
15	256QAM	36	0	17.42	17.33	17.32	18.6	5
15	256QAM	36	20	17.28	17.35	17.34		
15	256QAM	36	39	17.20	17.37	17.23		
15	256QAM	75	0	17.16	17.40	17.23		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.31	22.40	22.30	23.6	0
10	QPSK	1	25	22.20	22.32	22.29		
10	QPSK	1	49	22.26	22.32	22.19		
10	QPSK	25	0	21.37	21.40	21.30	22.6	1
10	QPSK	25	12	21.25	21.34	21.34		
10	QPSK	25	25	21.18	21.26	21.20		
10	QPSK	50	0	21.33	21.44	21.26		
10	16QAM	1	0	21.22	21.32	21.28	22.6	1
10	16QAM	1	25	21.21	21.33	21.24		
10	16QAM	1	49	21.19	21.24	21.15		
10	16QAM	25	0	20.37	20.33	20.35	21.6	2
10	16QAM	25	12	20.33	20.36	20.29		
10	16QAM	25	25	20.32	20.25	20.11		
10	16QAM	50	0	20.31	20.34	20.19		
10	64QAM	1	0	20.16	20.37	20.28	21.6	2
10	64QAM	1	25	20.25	20.37	20.23		
10	64QAM	1	49	20.19	20.18	20.14		
10	64QAM	25	0	19.23	19.48	19.26	20.6	3
10	64QAM	25	12	19.36	19.33	19.34		
10	64QAM	25	25	19.19	19.25	19.16		
10	64QAM	50	0	19.35	19.37	19.25		
10	256QAM	1	0	17.34	17.33	17.26	18.6	5
10	256QAM	1	25	17.22	17.36	17.27		
10	256QAM	1	49	17.27	17.30	17.08		
10	256QAM	25	0	17.39	17.32	17.26	18.6	5
10	256QAM	25	12	17.24	17.31	17.24		
10	256QAM	25	25	17.16	17.46	17.22		
10	256QAM	50	0	17.12	17.31	17.18		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.35	22.32	22.34	23.6	0
5	QPSK	1	12	22.20	22.31	22.25		
5	QPSK	1	24	22.26	22.36	22.21		
5	QPSK	12	0	21.27	21.42	21.29	22.6	1
5	QPSK	12	7	21.31	21.31	21.36		
5	QPSK	12	13	21.20	21.27	21.12		
5	QPSK	25	0	21.34	21.42	21.24		
5	16QAM	1	0	21.22	21.39	21.29	22.6	1
5	16QAM	1	12	21.25	21.39	21.24		
5	16QAM	1	24	21.14	21.31	21.24		
5	16QAM	12	0	20.32	20.32	20.31	21.6	2
5	16QAM	12	7	20.32	20.29	20.26		
5	16QAM	12	13	20.30	20.21	20.13		
5	16QAM	25	0	20.35	20.34	20.25		
5	64QAM	1	0	20.24	20.29	20.26	21.6	2
5	64QAM	1	12	20.20	20.43	20.31		
5	64QAM	1	24	20.15	20.26	20.18		
5	64QAM	12	0	19.25	19.42	19.29	20.6	3
5	64QAM	12	7	19.35	19.31	19.39		
5	64QAM	12	13	19.23	19.23	19.22		
5	64QAM	25	0	19.44	19.33	19.27		
5	256QAM	1	0	17.38	17.38	17.33	18.6	5
5	256QAM	1	12	17.30	17.31	17.25		
5	256QAM	1	24	17.20	17.28	17.08		
5	256QAM	12	0	17.41	17.41	17.27	18.6	5
5	256QAM	12	7	17.24	17.39	17.32		
5	256QAM	12	13	17.23	17.39	17.29		
5	256QAM	25	0	17.17	17.38	17.19		

Band 41 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.25	22.28	22.31	22.27	22.23	23.6	0
20	QPSK	1	49	22.12	22.21	22.28	22.23	22.11		
20	QPSK	1	99	22.21	22.21	22.27	22.19	22.18		
20	QPSK	50	0	21.29	21.29	21.37	21.25	21.18	22.6	1
20	QPSK	50	24	21.10	21.23	21.25	21.25	21.13		
20	QPSK	50	50	21.16	21.20	21.24	21.24	21.23		
20	QPSK	100	0	21.30	21.27	21.34	21.32	21.17		
20	16QAM	1	0	21.22	21.30	21.33	21.25	21.25	22.6	1
20	16QAM	1	49	21.14	21.23	21.27	21.24	21.16		
20	16QAM	1	99	21.18	21.25	21.25	21.15	21.14		
20	16QAM	50	0	20.30	20.30	20.41	20.19	20.22	21.6	2
20	16QAM	50	24	20.04	20.19	20.22	20.26	20.19		
20	16QAM	50	50	20.14	20.15	20.20	20.28	20.22		
20	16QAM	100	0	20.34	20.33	20.31	20.36	20.14		
20	64QAM	1	0	20.21	20.28	20.34	20.29	20.23	21.6	2
20	64QAM	1	49	20.14	20.17	20.31	20.28	20.17		
20	64QAM	1	99	20.23	20.23	20.20	20.12	20.08		
20	64QAM	50	0	19.23	19.32	19.38	19.28	19.24	20.6	3
20	64QAM	50	24	19.10	19.19	19.21	19.27	19.14		
20	64QAM	50	50	19.21	19.16	19.29	19.23	19.19		
20	64QAM	100	0	19.32	19.22	19.29	19.31	19.16		
20	256QAM	1	0	17.26	17.24	17.33	17.30	17.24	18.6	5
20	256QAM	1	49	17.12	17.17	17.29	17.19	17.12		
20	256QAM	1	99	17.15	17.22	17.27	17.19	17.23		
20	256QAM	50	0	17.26	17.33	17.36	17.32	17.17	18.6	5
20	256QAM	50	24	17.18	17.30	17.30	17.27	17.29		
20	256QAM	50	50	17.16	17.25	17.32	17.26	17.20		
20	256QAM	100	0	17.24	17.28	17.23	17.10	17.13		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.22	22.25	22.28	22.19	22.09	24	0
15	QPSK	1	37	22.00	22.17	22.20	22.16	22.05		
15	QPSK	1	74	22.13	22.09	22.19	22.16	22.04		
15	QPSK	36	0	21.21	21.24	21.26	21.23	21.04	22.6	1
15	QPSK	36	20	21.02	21.10	21.21	21.11	21.08		
15	QPSK	36	39	21.13	21.10	21.16	21.16	21.20		
15	QPSK	75	0	21.27	21.15	21.23	21.23	21.05		
15	16QAM	1	0	21.08	21.19	21.25	21.13	21.13	22.6	1
15	16QAM	1	37	21.07	21.16	21.21	21.12	21.07		
15	16QAM	1	74	21.10	21.21	21.18	21.02	21.09		
15	16QAM	36	0	20.25	20.18	20.38	20.11	20.13	21.6	2
15	16QAM	36	20	19.99	20.07	20.10	20.16	20.06		
15	16QAM	36	39	20.04	20.08	20.16	20.26	20.13		
15	16QAM	75	0	20.28	20.25	20.28	20.24	20.09		
15	64QAM	1	0	20.15	20.22	20.29	20.20	20.17	21.6	2
15	64QAM	1	37	20.10	20.13	20.24	20.16	20.04		
15	64QAM	1	74	20.14	20.11	20.10	20.06	20.05		
15	64QAM	36	0	19.19	19.23	19.33	19.19	19.13	20.6	3
15	64QAM	36	20	19.02	19.07	19.10	19.22	19.05		
15	64QAM	36	39	19.11	19.03	19.19	19.10	19.05		
15	64QAM	75	0	19.24	19.13	19.19	19.21	19.03		
15	256QAM	1	0	17.18	17.12	17.30	17.24	17.12	18.6	5
15	256QAM	1	37	17.06	17.07	17.17	17.11	17.03		
15	256QAM	1	74	17.06	17.17	17.23	17.09	17.17		
15	256QAM	36	0	17.24	17.22	17.32	17.29	17.08	18.6	5
15	256QAM	36	20	17.07	17.19	17.23	17.15	17.23		
15	256QAM	36	39	17.04	17.20	17.20	17.13	17.18		
15	256QAM	75	0	17.11	17.14	17.16	17.08	17.00		
Channel				39700	40169	40620	41089	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.12	22.19	22.28	22.18	22.10	24	0
10	QPSK	1	25	22.06	22.09	22.22	22.18	22.00		
10	QPSK	1	49	22.09	22.10	22.24	22.16	22.14		
10	QPSK	25	0	21.26	21.26	21.25	21.21	21.06	22.6	1
10	QPSK	25	12	21.01	21.10	21.19	21.13	21.06		
10	QPSK	25	25	21.03	21.09	21.14	21.11	21.18		
10	QPSK	50	0	21.22	21.18	21.26	21.29	21.06		
10	16QAM	1	0	21.10	21.17	21.30	21.14	21.17	22.6	1
10	16QAM	1	25	21.06	21.20	21.21	21.13	21.13		
10	16QAM	1	49	21.06	21.14	21.19	21.03	21.02		
10	16QAM	25	0	20.24	20.28	20.39	20.10	20.17	21.6	2
10	16QAM	25	12	19.91	20.17	20.17	20.23	20.14		
10	16QAM	25	25	20.04	20.12	20.17	20.17	20.09		
10	16QAM	50	0	20.26	20.29	20.19	20.28	20.03		
10	64QAM	1	0	20.09	20.16	20.30	20.24	20.15	21.6	2
10	64QAM	1	25	20.01	20.12	20.27	20.18	20.03		
10	64QAM	1	49	20.16	20.20	20.07	20.03	20.03		
10	64QAM	25	0	19.17	19.30	19.35	19.18	19.20	20.6	3
10	64QAM	25	12	19.07	19.06	19.16	19.14	19.02		
10	64QAM	25	25	19.08	19.11	19.23	19.15	19.12		
10	64QAM	50	0	19.21	19.19	19.18	19.20	19.10	18.6	5
10	256QAM	1	0	17.24	17.20	17.22	17.24	17.12		
10	256QAM	1	25	17.03	17.07	17.23	17.17	17.07		
10	256QAM	1	49	17.06	17.14	17.21	17.09	17.11		
10	256QAM	25	0	17.21	17.29	17.27	17.30	17.03	18.6	5
10	256QAM	25	12	17.13	17.24	17.26	17.16	17.19		
10	256QAM	25	25	17.10	17.19	17.26	17.24	17.15		
10	256QAM	50	0	17.19	17.23	17.18	17.01	17.08		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.17	22.19	22.20	22.19	22.19	24	0
5	QPSK	1	12	22.02	22.08	22.19	22.17	22.01		
5	QPSK	1	24	22.12	22.07	22.20	22.09	22.10		
5	QPSK	12	0	21.25	21.18	21.35	21.20	21.05	22.6	1
5	QPSK	12	7	21.07	21.20	21.20	21.16	21.02		
5	QPSK	12	13	21.07	21.17	21.14	21.18	21.14		
5	QPSK	25	0	21.22	21.20	21.31	21.19	21.13		
5	16QAM	1	0	21.13	21.23	21.23	21.17	21.15	22.6	1
5	16QAM	1	12	21.10	21.14	21.14	21.22	21.13		
5	16QAM	1	24	21.06	21.15	21.14	21.13	21.09		
5	16QAM	12	0	20.17	20.23	20.27	20.12	20.13	21.6	2
5	16QAM	12	7	20.00	20.12	20.13	20.13	20.12		
5	16QAM	12	13	20.10	20.05	20.16	20.22	20.18		
5	16QAM	25	0	20.24	20.20	20.20	20.23	20.12		
5	64QAM	1	0	20.12	20.24	20.31	20.22	20.15	21.6	2
5	64QAM	1	12	20.09	20.14	20.26	20.18	20.11		
5	64QAM	1	24	20.17	20.18	20.17	19.99	19.95		
5	64QAM	12	0	19.21	19.29	19.29	19.21	19.11	20.6	3
5	64QAM	12	7	19.01	19.07	19.11	19.24	19.05		
5	64QAM	12	13	19.13	19.06	19.24	19.15	19.09		
5	64QAM	25	0	19.24	19.14	19.23	19.28	19.04		
5	256QAM	1	0	17.17	17.19	17.28	17.27	17.18	18.6	5
5	256QAM	1	12	17.10	17.06	17.24	17.10	17.08		
5	256QAM	1	24	17.11	17.19	17.14	17.14	17.17		
5	256QAM	12	0	17.13	17.26	17.30	17.22	17.12	18.6	5
5	256QAM	12	7	17.06	17.26	17.23	17.16	17.25		
5	256QAM	12	13	17.03	17.21	17.29	17.20	17.14		
5	256QAM	25	0	17.15	17.18	17.14	17.00	17.09		

Band 42 Ant10 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.52	23.55	23.49	24.7	0
20	QPSK	1	49	23.39	23.52	23.43		
20	QPSK	1	99	23.48	23.50	23.45		
20	QPSK	50	0	22.55	22.59	22.53	23.7	1
20	QPSK	50	24	22.37	22.51	22.45		
20	QPSK	50	50	22.51	22.50	22.42		
20	QPSK	100	0	22.48	22.55	22.54		
20	16QAM	1	0	22.55	22.53	22.52	23.7	1
20	16QAM	1	49	22.43	22.53	22.45		
20	16QAM	1	99	22.45	22.54	22.42		
20	16QAM	50	0	21.50	21.57	21.56	22.7	2
20	16QAM	50	24	21.41	21.45	21.49		
20	16QAM	50	50	21.56	21.55	21.40		
20	16QAM	100	0	21.46	21.53	21.58		
20	64QAM	1	0	21.53	21.48	21.54	22.7	2
20	64QAM	1	49	21.41	21.55	21.48		
20	64QAM	1	99	21.41	21.60	21.38		
20	64QAM	50	0	20.51	20.64	20.55	21.7	3
20	64QAM	50	24	20.38	20.56	20.40		
20	64QAM	50	50	20.46	20.51	20.44		
20	64QAM	100	0	20.50	20.53	20.51		
20	256QAM	1	0	18.57	18.64	18.50	19.7	5
20	256QAM	1	49	18.42	18.49	18.39		
20	256QAM	1	99	18.57	18.56	18.46		
20	256QAM	50	0	18.48	18.56	18.49	19.7	5
20	256QAM	50	24	18.59	18.50	18.54		
20	256QAM	50	50	18.48	18.50	18.43		
20	256QAM	100	0	18.40	18.57	18.47		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	23.41	23.52	23.42	24.7	0
15	QPSK	1	37	23.26	23.48	23.34		
15	QPSK	1	74	23.36	23.45	23.37		
15	QPSK	36	0	22.52	22.52	22.50	23.7	1
15	QPSK	36	20	22.30	22.44	22.42		
15	QPSK	36	39	22.47	22.45	22.31		
15	QPSK	75	0	22.39	22.47	22.47		
15	16QAM	1	0	22.51	22.42	22.46	23.7	1
15	16QAM	1	37	22.38	22.41	22.41		
15	16QAM	1	74	22.32	22.45	22.38		
15	16QAM	36	0	21.43	21.52	21.52	22.7	2
15	16QAM	36	20	21.36	21.34	21.37		
15	16QAM	36	39	21.48	21.45	21.33		
15	16QAM	75	0	21.36	21.42	21.55		
15	64QAM	1	0	21.48	21.40	21.41	22.7	2
15	64QAM	1	37	21.31	21.52	21.41		
15	64QAM	1	74	21.35	21.56	21.35		
15	64QAM	36	0	20.46	20.56	20.47	21.7	3
15	64QAM	36	20	20.26	20.53	20.36		
15	64QAM	36	39	20.42	20.45	20.33		
15	64QAM	75	0	20.46	20.45	20.44		
15	256QAM	1	0	18.52	18.54	18.46	19.7	5
15	256QAM	1	37	18.39	18.35	18.27		
15	256QAM	1	74	18.44	18.51	18.43		
15	256QAM	36	0	18.37	18.50	18.41	19.7	5
15	256QAM	36	20	18.51	18.39	18.48		
15	256QAM	36	39	18.44	18.41	18.38		
15	256QAM	75	0	18.28	18.43	18.42		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	23.39	23.48	23.44	24.7	0
10	QPSK	1	25	23.27	23.39	23.37		
10	QPSK	1	49	23.35	23.36	23.39		
10	QPSK	25	0	22.45	22.53	22.39	23.7	1
10	QPSK	25	12	22.27	22.40	22.41		
10	QPSK	25	25	22.48	22.41	22.33		
10	QPSK	50	0	22.39	22.53	22.46		
10	16QAM	1	0	22.45	22.41	22.38	23.7	1
10	16QAM	1	25	22.39	22.42	22.43		
10	16QAM	1	49	22.34	22.51	22.36		
10	16QAM	25	0	21.37	21.47	21.47	22.7	2
10	16QAM	25	12	21.32	21.32	21.39		
10	16QAM	25	25	21.43	21.51	21.34		
10	16QAM	50	0	21.33	21.46	21.51		
10	64QAM	1	0	21.45	21.40	21.51	22.7	2
10	64QAM	1	25	21.35	21.45	21.38		
10	64QAM	1	49	21.30	21.58	21.34		
10	64QAM	25	0	20.39	20.51	20.47	21.7	3
10	64QAM	25	12	20.31	20.47	20.34		
10	64QAM	25	25	20.41	20.37	20.31		
10	64QAM	50	0	20.43	20.50	20.44		
10	256QAM	1	0	18.52	18.60	18.38	19.7	5
10	256QAM	1	25	18.32	18.47	18.29		
10	256QAM	1	49	18.50	18.42	18.36		
10	256QAM	25	0	18.37	18.51	18.46	19.7	5
10	256QAM	25	12	18.55	18.38	18.51		
10	256QAM	25	25	18.45	18.44	18.30		
10	256QAM	50	0	18.30	18.45	18.36		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	23.50	23.51	23.36	24.7	0
5	QPSK	1	12	23.29	23.40	23.34		
5	QPSK	1	24	23.40	23.39	23.37		
5	QPSK	12	0	22.44	22.45	22.44	23.7	1
5	QPSK	12	7	22.35	22.45	22.40		
5	QPSK	12	13	22.46	22.38	22.32		
5	QPSK	25	0	22.37	22.50	22.49		
5	16QAM	1	0	22.49	22.40	22.40	23.7	1
5	16QAM	1	12	22.31	22.48	22.40		
5	16QAM	1	24	22.40	22.46	22.32		
5	16QAM	12	0	21.45	21.54	21.52	22.7	2
5	16QAM	12	7	21.37	21.40	21.35		
5	16QAM	12	13	21.44	21.46	21.33		
5	16QAM	25	0	21.40	21.48	21.45		
5	64QAM	1	0	21.44	21.41	21.49	22.7	2
5	64QAM	1	12	21.32	21.51	21.40		
5	64QAM	1	24	21.31	21.57	21.25		
5	64QAM	12	0	20.40	20.61	20.46	21.7	3
5	64QAM	12	7	20.31	20.46	20.36		
5	64QAM	12	13	20.34	20.44	20.31		
5	64QAM	25	0	20.38	20.45	20.45		
5	256QAM	1	0	18.49	18.61	18.46	19.7	5
5	256QAM	1	12	18.30	18.41	18.26		
5	256QAM	1	24	18.52	18.53	18.40		
5	256QAM	12	0	18.36	18.49	18.44	19.7	5
5	256QAM	12	7	18.55	18.45	18.47		
5	256QAM	12	13	18.39	18.38	18.36		
5	256QAM	25	0	18.29	18.53	18.40		

Reduced Power Mode for DSI1_Other PA

Band 4 Ant5 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	16.73	16.85	16.78	17.7	0
20	QPSK	1	49	16.72	16.78	16.79		
20	QPSK	1	99	16.75	16.80	16.75		
20	QPSK	50	0	16.74	16.83	16.76	17.7	0
20	QPSK	50	24	16.75	16.70	16.73		
20	QPSK	50	50	16.68	16.82	16.73		
20	QPSK	100	0	16.74	16.81	16.71		
20	16QAM	1	0	16.69	16.80	16.80	17.7	0
20	16QAM	1	49	16.78	16.72	16.79		
20	16QAM	1	99	16.73	16.70	16.70		
20	16QAM	50	0	16.72	16.74	16.71	17.7	0
20	16QAM	50	24	16.78	16.77	16.77		
20	16QAM	50	50	16.77	16.74	16.74		
20	16QAM	100	0	16.71	16.70	16.71		
20	64QAM	1	0	16.77	16.81	16.74	17.7	0
20	64QAM	1	49	16.76	16.78	16.77		
20	64QAM	1	99	16.76	16.71	16.68		
20	64QAM	50	0	16.77	16.81	16.75	17.7	0
20	64QAM	50	24	16.68	16.71	16.75		
20	64QAM	50	50	16.66	16.75	16.68		
20	64QAM	100	0	16.78	16.71	16.78		
20	256QAM	1	0	16.72	16.77	16.69	17.7	0
20	256QAM	1	49	16.77	16.74	16.69		
20	256QAM	1	99	16.78	16.79	16.77		
20	256QAM	50	0	16.69	16.75	16.73	17.7	0
20	256QAM	50	24	16.68	16.79	16.78		
20	256QAM	50	50	16.74	16.72	16.74		
20	256QAM	100	0	16.73	16.81	16.75		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	16.57	16.79	16.64	17.7	0
15	QPSK	1	37	16.61	16.66	16.64		
15	QPSK	1	74	16.67	16.64	16.69		
15	QPSK	36	0	16.69	16.63	16.63	17.7	0
15	QPSK	36	20	16.59	16.57	16.63		
15	QPSK	36	39	16.58	16.77	16.59		
15	QPSK	75	0	16.65	16.76	16.55		
15	16QAM	1	0	16.63	16.65	16.76	17.7	0
15	16QAM	1	37	16.68	16.57	16.73		
15	16QAM	1	74	16.60	16.65	16.62		
15	16QAM	36	0	16.61	16.63	16.56	17.7	0
15	16QAM	36	20	16.65	16.64	16.63		
15	16QAM	36	39	16.70	16.63	16.59		
15	16QAM	75	0	16.56	16.59	16.55		
15	64QAM	1	0	16.70	16.68	16.59	17.7	0
15	64QAM	1	37	16.64	16.72	16.71		
15	64QAM	1	74	16.66	16.66	16.59		
15	64QAM	36	0	16.66	16.70	16.68	17.7	0
15	64QAM	36	20	16.58	16.64	16.65		
15	64QAM	36	39	16.60	16.62	16.54		
15	64QAM	75	0	16.68	16.65	16.64		
15	256QAM	1	0	16.67	16.69	16.62	17.7	0
15	256QAM	1	37	16.71	16.64	16.57		
15	256QAM	1	74	16.62	16.72	16.62		
15	256QAM	36	0	16.57	16.70	16.68	17.7	0
15	256QAM	36	20	16.54	16.75	16.68		
15	256QAM	36	39	16.64	16.65	16.62		
15	256QAM	75	0	16.68	16.67	16.66		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	16.61	16.78	16.70	17.7	0
10	QPSK	1	25	16.65	16.70	16.72		
10	QPSK	1	49	16.63	16.64	16.69		
10	QPSK	25	0	16.64	16.69	16.62	17.7	0
10	QPSK	25	12	16.69	16.62	16.59		
10	QPSK	25	25	16.54	16.72	16.60		
10	QPSK	50	0	16.63	16.75	16.59		
10	16QAM	1	0	16.55	16.76	16.76	17.7	0
10	16QAM	1	25	16.70	16.58	16.69		
10	16QAM	1	49	16.59	16.61	16.55		
10	16QAM	25	0	16.61	16.67	16.57	17.7	0
10	16QAM	25	12	16.64	16.67	16.71		
10	16QAM	25	25	16.70	16.60	16.58		
10	16QAM	50	0	16.66	16.60	16.59		
10	64QAM	1	0	16.64	16.75	16.62	17.7	0
10	64QAM	1	25	16.62	16.73	16.67		
10	64QAM	1	49	16.62	16.65	16.63		
10	64QAM	25	0	16.73	16.68	16.70	17.7	0
10	64QAM	25	12	16.62	16.59	16.65		
10	64QAM	25	25	16.61	16.69	16.53		
10	64QAM	50	0	16.74	16.66	16.74		
10	256QAM	1	0	16.58	16.73	16.65	17.7	0
10	256QAM	1	25	16.65	16.61	16.64		
10	256QAM	1	49	16.69	16.71	16.72		
10	256QAM	25	0	16.58	16.68	16.66	17.7	0
10	256QAM	25	12	16.58	16.63	16.74		
10	256QAM	25	25	16.66	16.62	16.68		
10	256QAM	50	0	16.59	16.76	16.60		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	16.64	16.75	16.73	17.7	0
5	QPSK	1	12	16.63	16.65	16.64		
5	QPSK	1	24	16.65	16.66	16.68		
5	QPSK	12	0	16.63	16.71	16.62	17.7	0
5	QPSK	12	7	16.66	16.59	16.65		
5	QPSK	12	13	16.53	16.76	16.61		
5	QPSK	25	0	16.63	16.69	16.66	17.7	0
5	16QAM	1	0	16.57	16.68	16.71		
5	16QAM	1	12	16.74	16.61	16.67		
5	16QAM	1	24	16.63	16.62	16.64		
5	16QAM	12	0	16.57	16.59	16.66	17.7	0
5	16QAM	12	7	16.70	16.66	16.63		
5	16QAM	12	13	16.68	16.61	16.68		
5	16QAM	25	0	16.66	16.65	16.57	17.7	0
5	64QAM	1	0	16.70	16.68	16.66		
5	64QAM	1	12	16.61	16.68	16.69		
5	64QAM	1	24	16.63	16.64	16.60		
5	64QAM	12	0	16.64	16.67	16.68	17.7	0
5	64QAM	12	7	16.56	16.65	16.59		
5	64QAM	12	13	16.55	16.60	16.53		
5	64QAM	25	0	16.64	16.61	16.72		
5	256QAM	1	0	16.60	16.66	16.56	17.7	0
5	256QAM	1	12	16.62	16.58	16.62		
5	256QAM	1	24	16.73	16.69	16.63		
5	256QAM	12	0	16.63	16.70	16.59	17.7	0
5	256QAM	12	7	16.62	16.74	16.68		
5	256QAM	12	13	16.63	16.57	16.66		
5	256QAM	25	0	16.66	16.68	16.70		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	16.60	16.79	16.71	17.7	0
3	QPSK	1	8	16.59	16.70	16.68		
3	QPSK	1	14	16.61	16.71	16.59		
3	QPSK	8	0	16.67	16.71	16.63	17.7	0
3	QPSK	8	4	16.63	16.62	16.61		
3	QPSK	8	7	16.58	16.75	16.59		
3	QPSK	15	0	16.67	16.70	16.63		
3	16QAM	1	0	16.54	16.68	16.69	17.7	0
3	16QAM	1	8	16.64	16.65	16.67		
3	16QAM	1	14	16.67	16.55	16.66		
3	16QAM	8	0	16.68	16.64	16.61	17.7	0
3	16QAM	8	4	16.71	16.72	16.64		
3	16QAM	8	7	16.70	16.70	16.69		
3	16QAM	15	0	16.66	16.64	16.66		
3	64QAM	1	0	16.73	16.67	16.64	17.7	0
3	64QAM	1	8	16.72	16.67	16.63		
3	64QAM	1	14	16.60	16.57	16.55		
3	64QAM	8	0	16.66	16.73	16.60	17.7	0
3	64QAM	8	4	16.54	16.67	16.66		
3	64QAM	8	7	16.53	16.63	16.59		
3	64QAM	15	0	16.62	16.65	16.62		
3	256QAM	1	0	16.56	16.69	16.55	17.7	0
3	256QAM	1	8	16.69	16.64	16.60		
3	256QAM	1	14	16.67	16.63	16.63		
3	256QAM	8	0	16.61	16.64	16.59	17.7	0
3	256QAM	8	4	16.61	16.66	16.69		
3	256QAM	8	7	16.64	16.57	16.64		
3	256QAM	15	0	16.59	16.73	16.59		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	16.63	16.79	16.67	17.7	0
1.4	QPSK	1	3	16.63	16.65	16.68		
1.4	QPSK	1	5	16.64	16.67	16.60		
1.4	QPSK	3	0	16.70	16.66	16.70		
1.4	QPSK	3	1	16.66	16.57	16.61		
1.4	QPSK	3	3	16.59	16.71	16.67		
1.4	QPSK	6	0	16.65	16.74	16.64	17.7	0
1.4	16QAM	1	0	16.64	16.72	16.70	17.7	0
1.4	16QAM	1	3	16.63	16.67	16.65		
1.4	16QAM	1	5	16.64	16.60	16.55		
1.4	16QAM	3	0	16.68	16.65	16.56		
1.4	16QAM	3	1	16.70	16.72	16.66		
1.4	16QAM	3	3	16.73	16.65	16.60		
1.4	16QAM	6	0	16.55	16.58	16.60	17.7	0
1.4	64QAM	1	0	16.72	16.76	16.63	17.7	0
1.4	64QAM	1	3	16.63	16.71	16.64		
1.4	64QAM	1	5	16.72	16.60	16.64		
1.4	64QAM	3	0	16.69	16.71	16.68		
1.4	64QAM	3	1	16.63	16.58	16.63		
1.4	64QAM	3	3	16.57	16.61	16.56		
1.4	64QAM	6	0	16.73	16.60	16.67	17.7	0
1.4	256QAM	1	0	16.62	16.66	16.58	17.7	0
1.4	256QAM	1	3	16.68	16.63	16.61		
1.4	256QAM	1	5	16.71	16.70	16.67		
1.4	256QAM	3	0	16.58	16.67	16.65		
1.4	256QAM	3	1	16.57	16.65	16.65		
1.4	256QAM	3	3	16.58	16.67	16.61		
1.4	256QAM	6	0	16.62	16.69	16.60	17.7	0

Band 7 Ant5 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	14.31	14.45	14.24	15.3	0
20	QPSK	1	49	14.27	14.29	14.29		
20	QPSK	1	99	14.25	14.32	14.22		
20	QPSK	50	0	14.30	14.39	14.29	15.3	0
20	QPSK	50	24	14.32	14.30	14.24		
20	QPSK	50	50	14.37	14.37	14.32		
20	QPSK	100	0	14.33	14.38	14.23		
20	16QAM	1	0	14.28	14.37	14.29	15.3	0
20	16QAM	1	49	14.26	14.27	14.33		
20	16QAM	1	99	14.29	14.27	14.25		
20	16QAM	50	0	14.31	14.29	14.29	15.3	0
20	16QAM	50	24	14.29	14.30	14.32		
20	16QAM	50	50	14.35	14.30	14.25		
20	16QAM	100	0	14.28	14.31	14.30		
20	64QAM	1	0	14.35	14.28	14.23	15.3	0
20	64QAM	1	49	14.27	14.32	14.31		
20	64QAM	1	99	14.26	14.34	14.27		
20	64QAM	50	0	14.31	14.30	14.22	15.3	0
20	64QAM	50	24	14.36	14.34	14.31		
20	64QAM	50	50	14.29	14.35	14.24		
20	64QAM	100	0	14.31	14.28	14.34		
20	256QAM	1	0	14.30	14.34	14.30	15.3	0
20	256QAM	1	49	14.31	14.31	14.32		
20	256QAM	1	99	14.27	14.30	14.30		
20	256QAM	50	0	14.32	14.32	14.23	15.3	0
20	256QAM	50	24	14.27	14.35	14.24		
20	256QAM	50	50	14.27	14.34	14.31		
20	256QAM	100	0	14.33	14.36	14.29		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	14.24	14.26	14.09	15.3	0
15	QPSK	1	37	14.20	14.24	14.21		
15	QPSK	1	74	14.13	14.28	14.16		
15	QPSK	36	0	14.24	14.14	14.17	15.3	0
15	QPSK	36	20	14.27	14.26	14.11		
15	QPSK	36	39	14.31	14.31	14.23		
15	QPSK	75	0	14.24	14.24	14.11		
15	16QAM	1	0	14.13	14.30	14.17	15.3	0
15	16QAM	1	37	14.17	14.17	14.22		
15	16QAM	1	74	14.19	14.12	14.14		
15	16QAM	36	0	14.18	14.20	14.14	15.3	0
15	16QAM	36	20	14.21	14.15	14.22		
15	16QAM	36	39	14.25	14.17	14.13		
15	16QAM	75	0	14.20	14.24	14.23		
15	64QAM	1	0	14.28	14.16	14.15	15.3	0
15	64QAM	1	37	14.17	14.28	14.18		
15	64QAM	1	74	14.19	14.22	14.18		
15	64QAM	36	0	14.21	14.23	14.13	15.3	0
15	64QAM	36	20	14.28	14.19	14.15		
15	64QAM	36	39	14.24	14.24	14.17		
15	64QAM	75	0	14.17	14.21	14.21		
15	256QAM	1	0	14.23	14.19	14.25	15.3	0
15	256QAM	1	37	14.15	14.23	14.24		
15	256QAM	1	74	14.21	14.15	14.25		
15	256QAM	36	0	14.22	14.16	14.16	15.3	0
15	256QAM	36	20	14.22	14.29	14.17		
15	256QAM	36	39	14.15	14.28	14.25		
15	256QAM	75	0	14.20	14.30	14.23		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	14.16	14.32	14.09	15.3	0
10	QPSK	1	25	14.17	14.23	14.17		
10	QPSK	1	49	14.16	14.23	14.09		
10	QPSK	25	0	14.16	14.20	14.17	15.3	0
10	QPSK	25	12	14.19	14.18	14.10		
10	QPSK	25	25	14.31	14.28	14.25		
10	QPSK	50	0	14.19	14.26	14.10		
10	16QAM	1	0	14.12	14.32	14.15	15.3	0
10	16QAM	1	25	14.14	14.18	14.24		
10	16QAM	1	49	14.21	14.18	14.20		
10	16QAM	25	0	14.26	14.23	14.20	15.3	0
10	16QAM	25	12	14.18	14.21	14.16		
10	16QAM	25	25	14.26	14.14	14.13		
10	16QAM	50	0	14.18	14.19	14.19		
10	64QAM	1	0	14.30	14.17	14.11	15.3	0
10	64QAM	1	25	14.17	14.22	14.26		
10	64QAM	1	49	14.12	14.23	14.19		
10	64QAM	25	0	14.22	14.19	14.08	15.3	0
10	64QAM	25	12	14.24	14.18	14.16		
10	64QAM	25	25	14.15	14.26	14.19		
10	64QAM	50	0	14.17	14.17	14.28		
10	256QAM	1	0	14.22	14.22	14.24	15.3	0
10	256QAM	1	25	14.26	14.23	14.17		
10	256QAM	1	49	14.18	14.15	14.21		
10	256QAM	25	0	14.23	14.17	14.13	15.3	0
10	256QAM	25	12	14.27	14.19	14.19		
10	256QAM	25	25	14.23	14.24	14.23		
10	256QAM	50	0	14.17	14.23	14.20		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	14.26	14.27	14.09	15.3	0
5	QPSK	1	12	14.20	14.15	14.22		
5	QPSK	1	24	14.18	14.26	14.12		
5	QPSK	12	0	14.16	14.18	14.19	15.3	0
5	QPSK	12	7	14.16	14.19	14.14		
5	QPSK	12	13	14.32	14.27	14.19		
5	QPSK	25	0	14.26	14.33	14.14	15.3	0
5	16QAM	1	0	14.22	14.25	14.22		
5	16QAM	1	12	14.17	14.23	14.25		
5	16QAM	1	24	14.23	14.19	14.11		
5	16QAM	12	0	14.20	14.19	14.15	15.3	0
5	16QAM	12	7	14.20	14.24	14.17		
5	16QAM	12	13	14.27	14.15	14.19		
5	16QAM	25	0	14.22	14.24	14.23	15.3	0
5	64QAM	1	0	14.19	14.12	14.12		
5	64QAM	1	12	14.18	14.26	14.19		
5	64QAM	1	24	14.12	14.25	14.17		
5	64QAM	12	0	14.24	14.24	14.13	15.3	0
5	64QAM	12	7	14.25	14.23	14.24		
5	64QAM	12	13	14.15	14.28	14.17		
5	64QAM	25	0	14.16	14.20	14.21		
5	256QAM	1	0	14.23	14.22	14.22	15.3	0
5	256QAM	1	12	14.27	14.18	14.21		
5	256QAM	1	24	14.11	14.17	14.17		
5	256QAM	12	0	14.27	14.18	14.19	15.3	0
5	256QAM	12	7	14.15	14.25	14.20		
5	256QAM	12	13	14.22	14.22	14.27		
5	256QAM	25	0	14.21	14.32	14.16		

Band 38 Ant5 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	15.87	16.08	15.91	17	0
20	QPSK	1	49	15.91	15.93	15.89		
20	QPSK	1	99	15.90	16.01	15.85		
20	QPSK	50	0	15.94	15.96	15.86	17	0
20	QPSK	50	24	15.90	15.93	15.85		
20	QPSK	50	50	15.89	15.95	15.94		
20	QPSK	100	0	15.94	16.00	15.89		
20	16QAM	1	0	15.87	15.96	15.94	17	0
20	16QAM	1	49	15.85	16.04	15.93		
20	16QAM	1	99	15.97	16.03	15.84		
20	16QAM	50	0	15.91	16.03	15.90	17	0
20	16QAM	50	24	15.92	16.02	15.94		
20	16QAM	50	50	15.87	15.94	15.93		
20	16QAM	100	0	15.91	16.01	15.87		
20	64QAM	1	0	15.87	16.01	15.88	17	0
20	64QAM	1	49	15.94	15.95	15.91		
20	64QAM	1	99	15.97	16.03	15.85		
20	64QAM	50	0	15.85	15.97	15.90	17	0
20	64QAM	50	24	15.88	16.02	15.85		
20	64QAM	50	50	15.92	16.04	15.85		
20	64QAM	100	0	15.94	15.99	15.91		
20	256QAM	1	0	15.91	16.02	15.92	17	0
20	256QAM	1	49	15.92	16.02	15.86		
20	256QAM	1	99	15.97	15.97	15.92		
20	256QAM	50	0	15.88	16.01	15.87	17	0
20	256QAM	50	24	15.97	15.96	15.89		
20	256QAM	50	50	15.94	15.98	15.92		
20	256QAM	100	0	15.88	15.98	15.88		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	15.72	15.92	15.75	17	0
15	QPSK	1	37	15.80	15.84	15.73		
15	QPSK	1	74	15.78	15.86	15.78		
15	QPSK	36	0	15.79	15.80	15.80	17	0
15	QPSK	36	20	15.81	15.88	15.76		
15	QPSK	36	39	15.77	15.81	15.82		
15	QPSK	75	0	15.87	15.95	15.80		
15	16QAM	1	0	15.76	15.90	15.80	17	0
15	16QAM	1	37	15.72	15.95	15.81		
15	16QAM	1	74	15.84	15.93	15.77		
15	16QAM	36	0	15.81	15.94	15.85	17	0
15	16QAM	36	20	15.83	15.97	15.87		
15	16QAM	36	39	15.75	15.84	15.80		
15	16QAM	75	0	15.83	15.87	15.79		
15	64QAM	1	0	15.76	15.93	15.79	17	0
15	64QAM	1	37	15.89	15.84	15.76		
15	64QAM	1	74	15.88	15.99	15.80		
15	64QAM	36	0	15.71	15.87	15.80	17	0
15	64QAM	36	20	15.78	15.95	15.75		
15	64QAM	36	39	15.81	15.92	15.69		
15	64QAM	75	0	15.84	15.93	15.81		
15	256QAM	1	0	15.77	15.90	15.88	17	0
15	256QAM	1	37	15.83	15.94	15.81		
15	256QAM	1	74	15.86	15.89	15.88		
15	256QAM	36	0	15.80	15.91	15.75	17	0
15	256QAM	36	20	15.87	15.90	15.80		
15	256QAM	36	39	15.85	15.87	15.80		
15	256QAM	75	0	15.76	15.83	15.73		
Channel				37800	38000	38200	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	15.72	15.94	15.76	17	0
10	QPSK	1	25	15.80	15.88	15.79		
10	QPSK	1	49	15.79	15.92	15.72		
10	QPSK	25	0	15.78	15.82	15.71	17	0
10	QPSK	25	12	15.80	15.86	15.76		
10	QPSK	25	25	15.82	15.86	15.83		
10	QPSK	50	0	15.89	15.84	15.78		
10	16QAM	1	0	15.81	15.90	15.83	17	0
10	16QAM	1	25	15.79	15.94	15.80		
10	16QAM	1	49	15.92	15.91	15.71		
10	16QAM	25	0	15.80	15.91	15.78	17	0
10	16QAM	25	12	15.76	15.88	15.81		
10	16QAM	25	25	15.77	15.82	15.88		
10	16QAM	50	0	15.78	15.97	15.78		
10	64QAM	1	0	15.83	15.86	15.82	17	0
10	64QAM	1	25	15.89	15.89	15.81		
10	64QAM	1	49	15.90	15.98	15.73		
10	64QAM	25	0	15.71	15.88	15.74	17	0
10	64QAM	25	12	15.82	15.96	15.76		
10	64QAM	25	25	15.85	15.94	15.71		
10	64QAM	50	0	15.87	15.93	15.78		
10	256QAM	1	0	15.80	15.88	15.78	17	0
10	256QAM	1	25	15.83	15.96	15.80		
10	256QAM	1	49	15.91	15.88	15.86		
10	256QAM	25	0	15.72	15.94	15.83	17	0
10	256QAM	25	12	15.84	15.82	15.81		
10	256QAM	25	25	15.80	15.88	15.76		
10	256QAM	50	0	15.76	15.88	15.73		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	15.77	15.86	15.79	17	0
5	QPSK	1	12	15.84	15.85	15.76		
5	QPSK	1	24	15.86	15.86	15.70		
5	QPSK	12	0	15.81	15.86	15.73	17	0
5	QPSK	12	7	15.84	15.87	15.77		
5	QPSK	12	13	15.85	15.83	15.85		
5	QPSK	25	0	15.87	15.94	15.85		
5	16QAM	1	0	15.78	15.83	15.85	17	0
5	16QAM	1	12	15.75	15.96	15.84		
5	16QAM	1	24	15.87	15.90	15.78		
5	16QAM	12	0	15.84	15.98	15.78	17	0
5	16QAM	12	7	15.79	15.91	15.84		
5	16QAM	12	13	15.82	15.82	15.87		
5	16QAM	25	0	15.81	15.92	15.79		
5	64QAM	1	0	15.72	15.88	15.83	17	0
5	64QAM	1	12	15.87	15.89	15.82		
5	64QAM	1	24	15.87	15.93	15.76		
5	64QAM	12	0	15.70	15.85	15.82	17	0
5	64QAM	12	7	15.74	15.96	15.75		
5	64QAM	12	13	15.77	15.96	15.71		
5	64QAM	25	0	15.87	15.91	15.86		
5	256QAM	1	0	15.82	15.95	15.87	17	0
5	256QAM	1	12	15.80	15.92	15.72		
5	256QAM	1	24	15.82	15.85	15.85		
5	256QAM	12	0	15.82	15.86	15.76	17	0
5	256QAM	12	7	15.83	15.91	15.80		
5	256QAM	12	13	15.79	15.87	15.82		
5	256QAM	25	0	15.81	15.88	15.80		

Band 41 Ant5 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	14.40	14.40	14.51	14.37	14.46	15.5	0
20	QPSK	1	49	14.38	14.32	14.43	14.38	14.41		
20	QPSK	1	99	14.34	14.42	14.44	14.41	14.41		
20	QPSK	50	0	14.44	14.37	14.50	14.40	14.39	15.5	0
20	QPSK	50	24	14.37	14.36	14.47	14.32	14.41		
20	QPSK	50	50	14.37	14.37	14.39	14.39	14.39		
20	QPSK	100	0	14.38	14.38	14.45	14.32	14.37		
20	16QAM	1	0	14.44	14.34	14.44	14.31	14.42	15.5	0
20	16QAM	1	49	14.39	14.40	14.38	14.40	14.41		
20	16QAM	1	99	14.42	14.31	14.38	14.34	14.39		
20	16QAM	50	0	14.36	14.37	14.36	14.35	14.36	15.5	0
20	16QAM	50	24	14.42	14.35	14.46	14.33	14.36		
20	16QAM	50	50	14.44	14.35	14.41	14.32	14.40		
20	16QAM	100	0	14.46	14.32	14.48	14.37	14.38		
20	64QAM	1	0	14.42	14.31	14.44	14.42	14.41	15.5	0
20	64QAM	1	49	14.41	14.35	14.36	14.35	14.41		
20	64QAM	1	99	14.40	14.42	14.37	14.30	14.46		
20	64QAM	50	0	14.46	14.42	14.47	14.34	14.40	15.5	0
20	64QAM	50	24	14.42	14.39	14.36	14.41	14.36		
20	64QAM	50	50	14.40	14.38	14.47	14.34	14.42		
20	64QAM	100	0	14.39	14.41	14.40	14.39	14.44		
20	256QAM	1	0	14.34	14.40	14.41	14.38	14.35	15.5	0
20	256QAM	1	49	14.45	14.37	14.46	14.38	14.45		
20	256QAM	1	99	14.44	14.35	14.47	14.37	14.36		
20	256QAM	50	0	14.40	14.35	14.42	14.42	14.44	15.5	0
20	256QAM	50	24	14.46	14.32	14.36	14.41	14.37		
20	256QAM	50	50	14.42	14.35	14.39	14.31	14.44		
20	256QAM	100	0	14.41	14.36	14.44	14.37	14.44		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	14.24	14.35	14.32	14.30	14.37	16	0
15	QPSK	1	37	14.32	14.21	14.36	14.30	14.25		
15	QPSK	1	74	14.22	14.38	14.39	14.35	14.30		
15	QPSK	36	0	14.37	14.26	14.30	14.25	14.26	15.5	0
15	QPSK	36	20	14.21	14.24	14.33	14.28	14.29		
15	QPSK	36	39	14.29	14.25	14.34	14.27	14.33		
15	QPSK	75	0	14.28	14.33	14.34	14.27	14.25		
15	16QAM	1	0	14.29	14.29	14.35	14.23	14.29	15.5	0
15	16QAM	1	37	14.32	14.35	14.25	14.26	14.37		
15	16QAM	1	74	14.31	14.20	14.22	14.26	14.24		
15	16QAM	36	0	14.24	14.29	14.24	14.26	14.21	15.5	0
15	16QAM	36	20	14.35	14.23	14.41	14.21	14.23		
15	16QAM	36	39	14.38	14.21	14.35	14.28	14.32		
15	16QAM	75	0	14.37	14.25	14.41	14.24	14.30		
15	64QAM	1	0	14.31	14.17	14.40	14.36	14.30	15.5	0
15	64QAM	1	37	14.26	14.26	14.21	14.23	14.32		
15	64QAM	1	74	14.27	14.27	14.29	14.16	14.36		
15	64QAM	36	0	14.38	14.34	14.41	14.20	14.34	15.5	0
15	64QAM	36	20	14.35	14.32	14.25	14.34	14.22		
15	64QAM	36	39	14.35	14.27	14.36	14.22	14.31		
15	64QAM	75	0	14.34	14.25	14.26	14.29	14.31		
15	256QAM	1	0	14.25	14.28	14.34	14.32	14.31	15.5	0
15	256QAM	1	37	14.35	14.27	14.35	14.30	14.40		
15	256QAM	1	74	14.33	14.20	14.41	14.32	14.25		
15	256QAM	36	0	14.36	14.23	14.29	14.32	14.30	15.5	0
15	256QAM	36	20	14.40	14.18	14.22	14.30	14.24		
15	256QAM	36	39	14.33	14.19	14.26	14.18	14.31		
15	256QAM	75	0	14.29	14.30	14.33	14.31	14.35		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	14.30	14.26	14.28	14.27	14.36	16	0
10	QPSK	1	25	14.28	14.23	14.32	14.27	14.28		
10	QPSK	1	49	14.22	14.38	14.32	14.36	14.36		
10	QPSK	25	0	14.30	14.28	14.35	14.28	14.25	15.5	0
10	QPSK	25	12	14.24	14.20	14.34	14.27	14.30		
10	QPSK	25	25	14.26	14.24	14.25	14.29	14.25		
10	QPSK	50	0	14.24	14.31	14.40	14.21	14.25		
10	16QAM	1	0	14.40	14.19	14.35	14.20	14.33	15.5	0
10	16QAM	1	25	14.23	14.36	14.25	14.26	14.27		
10	16QAM	1	49	14.27	14.22	14.25	14.23	14.31		
10	16QAM	25	0	14.26	14.24	14.21	14.19	14.28	15.5	0
10	16QAM	25	12	14.30	14.28	14.31	14.28	14.21		
10	16QAM	25	25	14.29	14.25	14.37	14.20	14.25		
10	16QAM	50	0	14.33	14.20	14.43	14.32	14.25		
10	64QAM	1	0	14.26	14.24	14.39	14.37	14.35	15.5	0
10	64QAM	1	25	14.28	14.28	14.32	14.30	14.25		
10	64QAM	1	49	14.24	14.27	14.23	14.23	14.42		
10	64QAM	25	0	14.34	14.26	14.36	14.24	14.27	15.5	0
10	64QAM	25	12	14.36	14.26	14.23	14.29	14.22		
10	64QAM	25	25	14.35	14.27	14.39	14.20	14.30		
10	64QAM	50	0	14.28	14.28	14.31	14.26	14.34		
10	256QAM	1	0	14.23	14.31	14.37	14.26	14.29	15.5	0
10	256QAM	1	25	14.36	14.27	14.34	14.30	14.38		
10	256QAM	1	49	14.28	14.26	14.32	14.31	14.29		
10	256QAM	25	0	14.25	14.21	14.29	14.31	14.40	15.5	0
10	256QAM	25	12	14.36	14.23	14.25	14.27	14.33		
10	256QAM	25	25	14.30	14.29	14.28	14.25	14.38		
10	256QAM	50	0	14.34	14.26	14.31	14.27	14.36		
Channel				39675	40140	40620	41085	41550	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	14.26	14.33	14.35	14.31	14.38	16	0
5	QPSK	1	12	14.25	14.28	14.27	14.25	14.27		
5	QPSK	1	24	14.25	14.37	14.31	14.36	14.37		
5	QPSK	12	0	14.30	14.29	14.29	14.31	14.32	15.5	0
5	QPSK	12	7	14.25	14.31	14.37	14.16	14.28		
5	QPSK	12	13	14.24	14.26	14.26	14.28	14.35		
5	QPSK	25	0	14.31	14.30	14.34	14.22	14.30		
5	16QAM	1	0	14.29	14.25	14.35	14.25	14.37	15.5	0
5	16QAM	1	12	14.35	14.32	14.32	14.24	14.27		
5	16QAM	1	24	14.33	14.23	14.28	14.22	14.26		
5	16QAM	12	0	14.31	14.24	14.23	14.30	14.23	15.5	0
5	16QAM	12	7	14.34	14.29	14.36	14.20	14.30		
5	16QAM	12	13	14.40	14.25	14.33	14.18	14.32		
5	16QAM	25	0	14.33	14.26	14.44	14.26	14.31		
5	64QAM	1	0	14.34	14.21	14.33	14.37	14.30	15.5	0
5	64QAM	1	12	14.28	14.26	14.23	14.25	14.25		
5	64QAM	1	24	14.25	14.30	14.21	14.15	14.36		
5	64QAM	12	0	14.34	14.33	14.34	14.25	14.33	15.5	0
5	64QAM	12	7	14.35	14.29	14.24	14.33	14.30		
5	64QAM	12	13	14.33	14.29	14.37	14.29	14.29		
5	64QAM	25	0	14.26	14.32	14.29	14.32	14.35		
5	256QAM	1	0	14.26	14.33	14.26	14.28	14.21	15.5	0
5	256QAM	1	12	14.37	14.32	14.39	14.24	14.40		
5	256QAM	1	24	14.37	14.29	14.41	14.32	14.28		
5	256QAM	12	0	14.24	14.20	14.37	14.31	14.33	15.5	0
5	256QAM	12	7	14.31	14.18	14.23	14.31	14.22		
5	256QAM	12	13	14.27	14.25	14.30	14.26	14.39		
5	256QAM	25	0	14.33	14.24	14.38	14.23	14.32		

Band 42 Ant5 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	15.98	16.11	16.02	17.4	0
20	QPSK	1	49	16.03	16.00	15.99		
20	QPSK	1	99	16.04	15.96	16.01		
20	QPSK	50	0	16.01	16.08	15.96	17.4	0
20	QPSK	50	24	16.05	16.06	15.98		
20	QPSK	50	50	15.96	15.97	15.98		
20	QPSK	100	0	15.95	16.03	16.01		
20	16QAM	1	0	16.05	16.01	16.00	17.4	0
20	16QAM	1	49	16.05	16.01	16.04		
20	16QAM	1	99	16.04	15.98	15.99		
20	16QAM	50	0	15.95	16.02	15.96	17.4	0
20	16QAM	50	24	16.02	15.96	16.05		
20	16QAM	50	50	15.97	15.97	16.00		
20	16QAM	100	0	16.03	15.97	15.94		
20	64QAM	1	0	16.04	15.99	16.04	17.4	0
20	64QAM	1	49	15.96	16.03	16.01		
20	64QAM	1	99	16.05	15.95	15.97		
20	64QAM	50	0	16.00	16.01	16.03	17.4	0
20	64QAM	50	24	16.00	16.01	15.93		
20	64QAM	50	50	16.02	15.98	15.97		
20	64QAM	100	0	15.98	15.98	15.95		
20	256QAM	1	0	16.02	15.98	15.96	17.4	0
20	256QAM	1	49	16.00	15.96	15.99		
20	256QAM	1	99	16.01	16.04	15.98		
20	256QAM	50	0	16.01	16.02	16.04	17.4	0
20	256QAM	50	24	15.99	16.00	16.01		
20	256QAM	50	50	15.98	15.98	15.96		
20	256QAM	100	0	15.97	15.98	16.04		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	15.82	15.94	15.87	17.4	0
15	QPSK	1	37	15.98	15.92	15.91		
15	QPSK	1	74	15.94	15.90	15.91		
15	QPSK	36	0	15.93	15.91	15.91	17.4	0
15	QPSK	36	20	15.90	15.98	15.90		
15	QPSK	36	39	15.82	15.92	15.82		
15	QPSK	75	0	15.85	15.92	15.95		
15	16QAM	1	0	15.97	15.96	15.93	17.4	0
15	16QAM	1	37	15.94	15.95	15.94		
15	16QAM	1	74	15.95	15.83	15.88		
15	16QAM	36	0	15.83	15.96	15.85	17.4	0
15	16QAM	36	20	15.93	15.82	15.90		
15	16QAM	36	39	15.83	15.85	15.92		
15	16QAM	75	0	15.99	15.93	15.80		
15	64QAM	1	0	15.92	15.91	15.89	17.4	0
15	64QAM	1	37	15.89	15.95	15.97		
15	64QAM	1	74	15.98	15.91	15.92		
15	64QAM	36	0	15.89	15.90	15.93	17.4	0
15	64QAM	36	20	15.93	15.94	15.88		
15	64QAM	36	39	15.95	15.86	15.86		
15	64QAM	75	0	15.87	15.83	15.90		
15	256QAM	1	0	15.87	15.88	15.87	17.4	0
15	256QAM	1	37	15.87	15.83	15.90		
15	256QAM	1	74	15.91	15.99	15.90		
15	256QAM	36	0	15.96	15.87	15.90	17.4	0
15	256QAM	36	20	15.90	15.90	15.97		
15	256QAM	36	39	15.92	15.94	15.88		
15	256QAM	75	0	15.82	15.89	15.96		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	15.94	15.89	15.93	17.4	0
10	QPSK	1	25	15.91	15.86	15.94		
10	QPSK	1	49	15.97	15.89	15.94		
10	QPSK	25	0	15.97	15.84	15.81	17.4	0
10	QPSK	25	12	15.90	15.99	15.93		
10	QPSK	25	25	15.82	15.87	15.84		
10	QPSK	50	0	15.88	15.84	15.91		
10	16QAM	1	0	15.94	15.95	15.89	17.4	0
10	16QAM	1	25	16.01	15.90	15.94		
10	16QAM	1	49	15.92	15.91	15.84		
10	16QAM	25	0	15.87	15.93	15.88	17.4	0
10	16QAM	25	12	15.92	15.90	15.89		
10	16QAM	25	25	15.81	15.85	15.86		
10	16QAM	50	0	15.92	15.81	15.83		
10	64QAM	1	0	15.98	15.89	15.90	17.4	0
10	64QAM	1	25	15.84	15.96	15.96		
10	64QAM	1	49	15.95	15.89	15.86		
10	64QAM	25	0	15.87	15.87	15.94	17.4	0
10	64QAM	25	12	15.87	15.91	15.88		
10	64QAM	25	25	15.90	15.94	15.86		
10	64QAM	50	0	15.93	15.86	15.91		
10	256QAM	1	0	15.97	15.83	15.91	17.4	0
10	256QAM	1	25	15.86	15.88	15.88		
10	256QAM	1	49	15.95	16.00	15.88		
10	256QAM	25	0	15.94	15.89	15.90	17.4	0
10	256QAM	25	12	15.90	15.84	15.93		
10	256QAM	25	25	15.88	15.90	15.85		
10	256QAM	50	0	15.91	15.83	15.99		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	15.83	15.88	15.90	17.4	0
5	QPSK	1	12	15.89	15.88	15.91		
5	QPSK	1	24	15.91	15.88	15.91		
5	QPSK	12	0	15.89	15.89	15.85	17.4	0
5	QPSK	12	7	15.97	15.93	15.89		
5	QPSK	12	13	15.88	15.92	15.82		
5	QPSK	25	0	15.88	15.92	15.86		
5	16QAM	1	0	15.96	15.90	15.86	17.4	0
5	16QAM	1	12	15.91	15.91	15.93

Band 4 Ant4 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	16.92	17.15	16.93		
20	QPSK	1	49	16.90	17.05	16.97	18.6	0
20	QPSK	1	99	16.94	17.01	16.97		
20	QPSK	50	0	16.99	17.13	16.95		
20	QPSK	50	24	16.98	17.09	16.93	18.6	0
20	QPSK	50	50	16.96	17.04	16.95		
20	QPSK	100	0	16.99	17.12	17.01		
20	16QAM	1	0	16.98	17.10	17.00		
20	16QAM	1	49	16.96	17.10	16.93	18.6	0
20	16QAM	1	99	16.90	17.00	16.96		
20	16QAM	50	0	17.00	17.07	16.98		
20	16QAM	50	24	16.98	17.05	17.00	18.6	0
20	16QAM	50	50	16.97	17.05	17.01		
20	16QAM	100	0	16.94	17.09	16.96		
20	64QAM	1	0	16.98	17.04	17.01		
20	64QAM	1	49	17.01	17.10	16.98	18.6	0
20	64QAM	1	99	16.96	17.02	16.98		
20	64QAM	50	0	16.93	17.02	16.94		
20	64QAM	50	24	16.94	17.09	16.93	18.6	0
20	64QAM	50	50	16.99	17.06	16.96		
20	64QAM	100	0	16.99	16.99	17.04		
20	256QAM	1	0	16.98	17.07	17.01		
20	256QAM	1	49	17.00	17.06	16.92	18.6	0
20	256QAM	1	99	16.99	17.00	16.95		
20	256QAM	50	0	16.97	17.05	17.00		
20	256QAM	50	24	16.90	17.08	17.00	18.6	0
20	256QAM	50	50	16.99	17.03	16.92		
20	256QAM	100	0	17.00	17.06	16.99		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	16.86	16.97	16.86		
15	QPSK	1	37	16.80	16.95	16.93	18.6	0
15	QPSK	1	74	16.82	16.92	16.87		
15	QPSK	36	0	16.83	16.89	16.86		
15	QPSK	36	20	16.91	16.96	16.89	18.6	0
15	QPSK	36	39	16.89	16.92	16.83		
15	QPSK	75	0	16.85	16.91	16.95		
15	16QAM	1	0	16.90	17.05	16.93		
15	16QAM	1	37	16.88	17.04	16.86	18.6	0
15	16QAM	1	74	16.78	16.85	16.84		
15	16QAM	36	0	16.88	16.93	16.84		
15	16QAM	36	20	16.90	16.94	16.96	18.6	0
15	16QAM	36	39	16.92	16.93	16.85		
15	16QAM	75	0	16.84	16.93	16.91		
15	64QAM	1	0	16.84	16.97	16.90		
15	64QAM	1	37	16.90	17.03	16.82	18.6	0
15	64QAM	1	74	16.88	16.88	16.83		
15	64QAM	36	0	16.80	16.97	16.80		
15	64QAM	36	20	16.89	16.95	16.87	18.6	0
15	64QAM	36	39	16.93	16.97	16.89		
15	64QAM	75	0	16.92	16.86	16.98		
15	256QAM	1	0	16.92	17.01	16.87		
15	256QAM	1	37	16.90	16.94	16.79	18.6	0
15	256QAM	1	74	16.89	16.86	16.85		
15	256QAM	36	0	16.91	16.91	16.94		
15	256QAM	36	20	16.83	16.98	16.85	18.6	0
15	256QAM	36	39	16.86	16.94	16.80		
15	256QAM	75	0	16.95	16.94	16.92		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	16.86	16.92	16.79		
10	QPSK	1	25	16.75	16.90	16.82	18.6	0
10	QPSK	1	49	16.85	16.86	16.84		
10	QPSK	25	0	16.91	16.89	16.89		
10	QPSK	25	12	16.92	17.04	16.82	18.6	0
10	QPSK	25	25	16.90	16.90	16.84		
10	QPSK	50	0	16.89	16.91	16.92		
10	16QAM	1	0	16.85	17.02	16.95		
10	16QAM	1	25	16.89	16.96	16.78	18.6	0
10	16QAM	1	49	16.77	16.85	16.85		
10	16QAM	25	0	16.94	16.99	16.88		
10	16QAM	25	12	16.82	16.97	16.89	18.6	0
10	16QAM	25	25	16.85	17.01	16.87		
10	16QAM	50	0	16.79	17.03	16.81		
10	64QAM	1	0	16.92	16.97	16.88		
10	64QAM	1	25	16.96	17.05	16.86	18.6	0
10	64QAM	1	49	16.83	16.96	16.82		
10	64QAM	25	0	16.84	16.86	16.82		
10	64QAM	25	12	16.90	17.03	16.79	18.6	0
10	64QAM	25	25	16.83	17.00	16.83		
10	64QAM	50	0	16.87	16.90	16.96		
10	256QAM	1	0	16.90	16.93	16.88		
10	256QAM	1	25	16.94	16.93	16.79	18.6	0
10	256QAM	1	49	16.95	16.95	16.80		
10	256QAM	25	0	16.89	16.98	16.95		
10	256QAM	25	12	16.85	16.97	16.94	18.6	0
10	256QAM	25	25	16.94	16.92	16.79		
10	256QAM	50	0	16.92	16.91	16.85		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	16.83	16.93	16.81		
5	QPSK	1	12	16.79	17.01	16.90	18.6	0
5	QPSK	1	24	16.89	16.94	16.87		
5	QPSK	12	0	16.84	16.85	16.79		
5	QPSK	12	7	16.87	16.98	16.80	18.6	0
5	QPSK	12	13	16.88	16.93	16.83		
5	QPSK	25	0	16.87	16.91	16.85		
5	16QAM	1	0	16.88	16.97	16.91		
5	16QAM	1	12	16.89	17.07	16.83	18.6	0
5	16QAM	1	24	16.84	16.94	16.91		
5	16QAM	12	0	16.85	16.92	16.82		
5	16QAM	12	7	16.86	16.92	16.87	18.6	0
5	16QAM	12	13	16.85	16.91	16.88		
5	16QAM	25	0	16.81	16.95	16.81		
5	64QAM	1	0	16.83	16.90	16.92		
5	64QAM	1	12	16.94	17.05	16.92	18.6	0
5	64QAM	1	24	16.89	16.96	16.93		
5	64QAM	12	0	16.81	16.92	16.86		
5	64QAM	12	7	16.86	17.01	16.85	18.6	0
5	64QAM	12	13	16.88	17.02	16.87		
5	64QAM	25	0	16.94	16.84	16.91		
5	256QAM	1	0	16.93	16.91	16.88		
5	256QAM	1	12	16.95	16.92	16.83	18.6	0
5	256QAM	1	24	16.85	16.89	16.87		
5	256QAM	12	0	16.86	16.98	16.86		
5	256QAM	12	7	16.84	17.01	16.90	18.6	0
5	256QAM	12	13	16.87	16.96	16.88		
5	256QAM	25	0	16.91	16.95	16.91		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	16.80	16.95	16.81		
3	QPSK	1	8	16.75	17.01	16.90	18.6	0
3	QPSK	1	14	16.86	16.87	16.91		
3	QPSK	8	0	16.86	16.94	16.86		
3	QPSK	8	4	16.85	17.03	16.82	18.6	0
3	QPSK	8	7	16.80	16.99	16.83		
3	QPSK	15	0	16.90	16.86	16.97		
3	16QAM	1	0	16.84	17.02	16.94		
3	16QAM	1	8	16.89	16.98	16.90	18.6	0
3	16QAM	1	14	16.83	16.93	16.91		
3	16QAM	8	0	16.90	16.96	16.93		
3	16QAM	8	4	16.88	16.98	16.87	18.6	0
3	16QAM	8	7	16.85	16.95	16.97		
3	16QAM	15	0	16.83	17.02	16.89		
3	64QAM	1	0	16.83	16.90	16.86		
3	64QAM	1	8	16.90	16.99	16.91	18.6	0
3	64QAM	1	14	16.88	16.90	16.89		
3	64QAM	8	0	16.79	16.89	16.88		
3	64QAM	8	4	16.82	17.04	16.78	18.6	0
3	64QAM	8	7	16.87	16.98	16.88		
3	64QAM	15	0	16.84	16.87	16.89		
3	256QAM	1	0	16.88	16.94	16.87		
3	256QAM	1	8	16.89	16.96	16.83	18.6	0
3	256QAM	1	14	16.93	16.85	16.87		
3	256QAM	8	0	16.82	16.91	16.94		
3	256QAM	8	4	16.85	16.96	16.89	18.6	0
3	256QAM	8	7	16.95	16.93	16.85		
3	256QAM	15	0	16.90	16.95	16.85		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	16.86	16.95	16.86		
1.4	QPSK	1	3	16.81	16.93	16.87		
1.4	QPSK	1	5	16.82	16.89	16.90	18.6	0
1.4	QPSK	3	0	16.88	16.86	16.87		
1.4	QPSK	3	1	16.87	16.99	16.88		
1.4	QPSK	3	3	16.87	16.92	16.80		
1.4	QPSK	6	0	16.86	16.93	16.96	18.6	0
1.4	16QAM	1	0	16.88	17.05	16.91		
1.4	16QAM	1	3	16.84	16.99	16.88		
1.4	16QAM	1	5	16.76	16.85	16.89	18.6	0
1.4	16QAM	3	0	16.94	16.94	16.88		
1.4	16QAM	3	1	16.86	16.92	16.86		
1.4	16QAM	3	3	16.83	16.96	16.90		
1.4	16QAM	6	0	16.78	16.96	16.83	18.6	0
1.4	64QAM	1	0	16.90	16.98	16.86		
1.4	64QAM	1	3	16.91	17.02	16.87		
1.4	64QAM	1	5	16.88	16.90	16.91	18.6	0
1.4	64QAM	3	0	16.88	16.86	16.79		
1.4	64QAM	3	1	16.90	16.98	16.79		
1.4	64QAM	3	3	16.90	16.97	16.89		
1.4	64QAM	6	0	16.85	16.93	16.91	18.6	0
1.4	256QAM	1	0	16.83	16.92	16.86		
1.4	256QAM	1	3	16.91	16.99	16.86		
1.4	256QAM	1	5	16.91	16.85	16.87	18.6	0
1.4	256QAM	3	0	16.87	16.95	16.87		
1.4	256QAM	3	1	16.84	17.03	16.90		
1.4	256QAM	3	3	16.90	16.98	16.81		
1.4	256QAM	6	0	16.87	16.92	16.91	18.6	0

Band 7 Ant4 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.53	16.68	16.66		
20	QPSK	1	49	16.52	16.58	16.64	18	0
20	QPSK	1	99	16.51	16.60	16.59		
20	QPSK	50	0	16.59	16.67	16.60		
20	QPSK	50	24	16.54	16.61	16.57	18	0
20	QPSK	50	50	16.60	16.60	16.62		
20	QPSK	100	0	16.56	16.65	16.63		
20	16QAM	1	0	16.58	16.56	16.58		
20	16QAM	1	49	16.55	16.57	16.58	18	0
20	16QAM	1	99	16.54	16.65	16.62		
20	16QAM	50	0	16.49	16.58	16.61		
20	16QAM	50	24	16.59	16.64	16.66	18	0
20	16QAM	50	50	16.50	16.60	16.66		
20	16QAM	100	0	16.57	16.63	16.60		
20	64QAM	1	0	16.52	16.63	16.57		
20	64QAM	1	49	16.57	16.60	16.67	18	0
20	64QAM	1	99	16.55	16.58	16.56		
20	64QAM	50	0	16.48	16.65	16.59		
20	64QAM	50	24	16.54	16.64	16.58	18	0
20	64QAM	50	50	16.52	16.60	16.58		
20	64QAM	100	0	16.58	16.66	16.65		
20	256QAM	1	0	16.56	16.63	16.58		
20	256QAM	1	49	16.57	16.61	16.61	18	0
20	256QAM	1	99	16.53	16.60	16.55		
20	256QAM	50	0	16.58	16.62	16.66		
20	256QAM	50	24	16.57	16.63	16.66	18	0
20	256QAM	50	50	16.56	16.63	16.60		
20	256QAM	100	0	16.49	16.56	16.56		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	16.46	16.52	16.59		
15	QPSK	1	37	16.45	16.46	16.54	18	0
15	QPSK	1	74	16.43	16.47	16.51		
15	QPSK	36	0	16.44	16.47	16.44		
15	QPSK	36	20	16.49	16.47	16.46	18	0
15	QPSK	36	39	16.47	16.52	16.57		
15	QPSK	75	0	16.52	16.63	16.47		
15	16QAM	1	0	16.49	16.42	16.52		
15	16QAM	1	37	16.44	16.53	16.47	18	0
15	16QAM	1	74	16.46	16.56	16.47		
15	16QAM	36	0	16.37	16.53	16.46		
15	16QAM	36	20	16.51	16.54	16.60	18	0
15	16QAM	36	39	16.35	16.56	16.52		
15	16QAM	75	0	16.49	16.50	16.56		
15	64QAM	1	0	16.38	16.55	16.44		
15	64QAM	1	37	16.50	16.54	16.56	18	0
15	64QAM	1	74	16.49	16.51	16.43		
15	64QAM	36	0	16.33	16.60	16.47		
15	64QAM	36	20	16.41	16.49	16.52	18	0
15	64QAM	36	39	16.48	16.46	16.49		
15	64QAM	75	0	16.44	16.59	16.52		
15	256QAM	1	0	16.46	16.48	16.50		
15	256QAM	1	37	16.52	16.57	16.47	18	0
15	256QAM	1	74	16.46	16.49	16.45		
15	256QAM	36	0	16.47	16.58	16.56		
15	256QAM	36	20	16.47	16.49	16.53	18	0
15	256QAM	36	39	16.44	16.52	16.49		
15	256QAM	75	0	16.43	16.49	16.49		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.49	16.44	16.56		
10	QPSK	1	25	16.44	16.46	16.56	18	0
10	QPSK	1	49	16.47	16.56	16.55		
10	QPSK	25	0	16.52	16.52	16.52		
10	QPSK	25	12	16.39	16.52	16.48	18	0
10	QPSK	25	25	16.47	16.49	16.52		
10	QPSK	50	0	16.41	16.55	16.55		
10	16QAM	1	0	16.47	16.49	16.53		
10	16QAM	1	25	16.42	16.48	16.43	18	0
10	16QAM	1	49	16.46	16.60	16.54		
10	16QAM	25	0	16.42	16.53	16.48		
10	16QAM	25	12	16.47	16.50	16.53	18	0
10	16QAM	25	25	16.43	16.59	16.54		
10	16QAM	50	0	16.50	16.53	16.55		
10	64QAM	1	0	16.36	16.50	16.45		
10	64QAM	1	25	16.50	16.53	16.53	18	0
10	64QAM	1	49	16.46	16.45	16.51		
10	64QAM	25	0	16.43	16.61	16.54		
10	64QAM	25	12	16.43	16.51	16.46	18	0
10	64QAM	25	25	16.45	16.50	16.43		
10	64QAM	50	0	16.53	16.50	16.59		
10	256QAM	1	0	16.52	16.50	16.42		
10	256QAM	1	25	16.48	16.53	16.50	18	0
10	256QAM	1	49	16.48	16.48	16.45		
10	256QAM	25	0	16.43	16.55	16.51		
10	256QAM	25	12	16.51	16.57	16.51	18	0
10	256QAM	25	25	16.44	16.49	16.56		
10	256QAM	50	0	16.38	16.44	16.42		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	16.39	16.55	16.55		
5	QPSK	1	12	16.38	16.42	16.57	18	0
5	QPSK	1	24	16.42	16.48	16.44		
5	QPSK	12	0	16.48	16.43	16.47		
5	QPSK	12	7	16.47	16.54	16.42	18	0
5	QPSK	12	13	16.52	16.52	16.53		
5	QPSK	25	0	16.42	16.54	16.56		
5	16QAM	1	0	16.49	16.50	16.49		
5	16QAM	1	12	16.46	16.45	16.51	18	0
5	16QAM	1	24	16.49	16.57	16.57		
5	16QAM	12	0	16.34	16.45	16.54		
5	16QAM	12	7	16.49	16.60	16.52	18	0
5	16QAM	12	13	16.49	16.58	16.58		
5	16QAM	25	0	16.50	16.59	16.51		
5	64QAM	1	0	16.37	16.58	16.47		
5	64QAM	1	12	16.48	16.49	16.54	18	0
5	64QAM	1	24	16.46	16.47	16.46		
5	64QAM	12	0	16.37	16.51	16.54		
5	64QAM	12	7	16.44	16.59	16.51	18	0
5	64QAM	12	13	16.48	16.47	16.48		
5	64QAM	25	0	16.49	16.58	16.54		
5	256QAM	1	0	16.47	16.54	16.52		
5	256QAM	1	12	16.51	16.50	16.55	18	0
5	256QAM	1	24	16.46	16.47	16.48		
5	256QAM	12	0	16.50	16.56	16.58		
5	256QAM	12	7	16.49	16.56	16.53	18	0
5	256QAM	12	13	16.51	16.51	16.54		
5	256QAM	25	0	16.43	16.45	16.48		

Band 66 Ant4 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132222	132372		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	16.59	16.81	16.59		
20	QPSK	1	49	16.64	16.66	16.51	18.1	0
20	QPSK	1	99	16.60	16.74	16.60		
20	QPSK	50	0	16.62	16.79	16.51		
20	QPSK	50	24	16.62	16.76	16.51	18.1	0
20	QPSK	50	50	16.54	16.70	16.51		
20	QPSK	100	0	16.63	16.68	16.59		
20	16QAM	1	0	16.59	16.69	16.52		
20	16QAM	1	49	16.55	16.67	16.56	18.1	0
20	16QAM	1	99	16.58	16.77	16.56		
20	16QAM	50	0	16.64	16.76	16.56		
20	16QAM	50	24	16.59	16.74	16.56	18.1	0
20	16QAM	50	50	16.61	16.68	16.56		
20	16QAM	100	0	16.57	16.68	16.60		
20	64QAM	1	0	16.62	16.75	16.60		
20	64QAM	1	49	16.59	16.77	16.56	18.1	0
20	64QAM	1	99	16.60	16.73	16.58		
20	64QAM	50	0	16.64	16.75	16.59		
20	64QAM	50	24	16.59	16.66	16.56	18.1	0
20	64QAM	50	50	16.53	16.70	16.58		
20	64QAM	100	0	16.63	16.72	16.54		
20	256QAM	1	0	16.54	16.76	16.59		
20	256QAM	1	49	16.65	16.75	16.52	18.1	0
20	256QAM	1	99	16.57	16.68	16.52		
20	256QAM	50	0	16.65	16.65	16.58		
20	256QAM	50	24	16.56	16.76	16.58	18.1	0
20	256QAM	50	50	16.61	16.66	16.52		
20	256QAM	100	0	16.64	16.71	16.60		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	16.53	16.68	16.45		
15	QPSK	1	37	16.55	16.61	16.65	18.1	0
15	QPSK	1	74	16.47	16.62	16.44		
15	QPSK	36	0	16.55	16.65	16.36		
15	QPSK	36	20	16.47	16.60	16.43	18.1	0
15	QPSK	36	39	16.41	16.54	16.40		
15	QPSK	75	0	16.48	16.61	16.45		
15	16QAM	1	0	16.52	16.59	16.46		
15	16QAM	1	37	16.43	16.54	16.49	18.1	0
15	16QAM	1	74	16.50	16.64	16.40		
15	16QAM	36	0	16.54	16.67	16.41		
15	16QAM	36	20	16.48	16.65	16.46	18.1	0
15	16QAM	36	39	16.55	16.56	16.41		
15	16QAM	75	0	16.44	16.64	16.49		
15	64QAM	1	0	16.53	16.60	16.47		
15	64QAM	1	37	16.50	16.65	16.42	18.1	0
15	64QAM	1	74	16.54	16.63	16.50		
15	64QAM	36	0	16.49	16.63	16.44		
15	64QAM	36	20	16.43	16.59	16.48	18.1	0
15	64QAM	36	39	16.43	16.58	16.46		
15	64QAM	75	0	16.48	16.61	16.48		
15	256QAM	1	0	16.44	16.66	16.46		
15	256QAM	1	37	16.56	16.71	16.45	18.1	0
15	256QAM	1	74	16.53	16.53	16.43		
15	256QAM	36	0	16.51	16.57	16.48		
15	256QAM	36	20	16.46	16.61	16.46	18.1	0
15	256QAM	36	39	16.53	16.51	16.39		
15	256QAM	75	0	16.58	16.65	16.50		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	16.44	16.61	16.53		
10	QPSK	1	25	16.53	16.56	16.38	18.1	0
10	QPSK	1	49	16.48	16.60	16.56		
10	QPSK	25	0	16.55	16.57	16.41		
10	QPSK	25	12	16.49	16.60	16.44	18.1	0
10	QPSK	25	25	16.43	16.53	16.37		
10	QPSK	50	0	16.56	16.58	16.53		
10	16QAM	1	0	16.51	16.60	16.38		
10	16QAM	1	25	16.40	16.55	16.50	18.1	0
10	16QAM	1	49	16.50	16.71	16.51		
10	16QAM	25	0	16.52	16.60	16.44		
10	16QAM

Band 38 Ant4 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.10	20.21	20.10	21.6	0
20	QPSK	1	49	20.03	20.18	20.07		
20	QPSK	1	99	20.12	20.17	20.10		
20	QPSK	50	0	20.03	20.15	20.07	21.6	0
20	QPSK	50	24	20.10	20.07	20.05		
20	QPSK	50	50	20.11	20.14	20.01		
20	QPSK	100	0	20.04	20.08	20.07		
20	16QAM	1	0	20.08	20.12	19.99	21.6	0
20	16QAM	1	49	20.06	20.18	20.00		
20	16QAM	1	99	20.14	20.09	20.05		
20	16QAM	50	0	20.06	20.08	20.06	21.6	0
20	16QAM	50	24	20.04	20.15	20.00		
20	16QAM	50	50	20.12	20.11	20.01		
20	16QAM	100	0	20.12	20.12	20.05		
20	64QAM	1	0	20.12	20.07	20.05	21.6	0
20	64QAM	1	49	20.08	20.12	20.05		
20	64QAM	1	99	20.07	20.12	20.11		
20	64QAM	50	0	20.13	20.19	20.02	21.6	0
20	64QAM	50	24	20.07	20.15	20.11		
20	64QAM	50	50	20.12	20.16	20.07		
20	64QAM	100	0	20.07	20.14	20.08		
20	256QAM	1	0	18.56	18.57	18.50	19.6	2
20	256QAM	1	49	18.60	18.62	18.50		
20	256QAM	1	99	18.57	18.63	18.53		
20	256QAM	50	0	18.59	18.64	18.58	19.6	2
20	256QAM	50	24	18.58	18.60	18.56		
20	256QAM	50	50	18.60	18.59	18.59		
20	256QAM	100	0	18.53	18.67	18.60		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	20.02	19.96	19.95	21.6	0
15	QPSK	1	37	19.94	20.07	20.02		
15	QPSK	1	74	20.00	20.07	20.00		
15	QPSK	36	0	19.97	20.07	20.01	21.6	0
15	QPSK	36	20	20.05	20.03	19.96		
15	QPSK	36	39	19.97	19.98	19.96		
15	QPSK	75	0	19.96	20.00	20.01		
15	16QAM	1	0	20.01	20.07	19.93	21.6	0
15	16QAM	1	37	19.97	20.05	19.87		
15	16QAM	1	74	20.03	20.01	19.89		
15	16QAM	36	0	20.00	19.97	19.96	21.6	0
15	16QAM	36	20	19.91	20.04	19.88		
15	16QAM	36	39	20.04	19.95	19.96		
15	16QAM	75	0	20.02	20.03	19.93		
15	64QAM	1	0	19.99	19.94	19.94	21.6	0
15	64QAM	1	37	19.94	20.00	19.89		
15	64QAM	1	74	19.94	20.06	19.95		
15	64QAM	36	0	20.08	20.05	19.93	21.6	0
15	64QAM	36	20	19.98	20.09	20.04		
15	64QAM	36	39	20.06	20.02	19.95		
15	64QAM	75	0	19.96	20.03	19.92		
15	256QAM	1	0	18.47	18.41	18.37	19.6	2
15	256QAM	1	37	18.49	18.57	18.42		
15	256QAM	1	74	18.51	18.52	18.43		
15	256QAM	36	0	18.53	18.49	18.51	19.6	2
15	256QAM	36	20	18.44	18.55	18.45		
15	256QAM	36	39	18.51	18.43	18.53		
15	256QAM	75	0	18.45	18.56	18.52		
Channel				37850	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	20.04	19.97	20.02	21.6	0
10	QPSK	1	25	19.88	20.10	20.02		
10	QPSK	1	49	20.08	20.05	20.02		
10	QPSK	25	0	19.93	19.97	20.02	21.6	0
10	QPSK	25	12	20.04	20.03	19.90		
10	QPSK	25	25	19.97	20.10	19.85		
10	QPSK	50	0	19.97	19.94	19.99		
10	16QAM	1	0	20.02	20.01	19.86	21.6	0
10	16QAM	1	25	19.98	20.08	19.93		
10	16QAM	1	49	19.99	20.01	19.90		
10	16QAM	25	0	19.97	19.92	19.93	21.6	0
10	16QAM	25	12	19.91	20.01	19.90		
10	16QAM	25	25	20.08	19.97	19.92		
10	16QAM	50	0	19.99	20.02	19.99		
10	64QAM	1	0	20.07	19.94	19.96	21.6	0
10	64QAM	1	25	20.03	19.98	19.93		
10	64QAM	1	49	19.98	20.01	19.98		
10	64QAM	25	0	20.07	20.13	19.93	21.6	0
10	64QAM	25	12	19.92	20.04	19.96		
10	64QAM	25	25	20.01	20.04	19.97		
10	64QAM	50	0	19.92	20.04	20.01		
10	256QAM	1	0	18.41	18.48	18.38	19.6	2
10	256QAM	1	25	18.53	18.56	18.46		
10	256QAM	1	49	18.42	18.58	18.45		
10	256QAM	25	0	18.49	18.58	18.48	19.6	2
10	256QAM	25	12	18.51	18.54	18.45		
10	256QAM	25	25	18.53	18.52	18.48		
10	256QAM	50	0	18.39	18.60	18.53		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	20.05	19.95	20.04	21.6	0
5	QPSK	1	12	19.97	20.14	19.95		
5	QPSK	1	24	20.00	20.12	19.97		
5	QPSK	12	0	19.99	20.05	19.95	21.6	0
5	QPSK	12	7	19.95	19.94	19.91		
5	QPSK	12	13	20.00	20.06	19.90		
5	QPSK	25	0	19.97	19.97	19.98	21.6	0
5	16QAM	1	0	20.03	19.97	19.95		
5	16QAM	1	12	19.96	20.13	19.95		
5	16QAM	1	24	20.04	20.00	19.94		
5	16QAM	12	0	20.01	20.01	19.93	21.6	0
5	16QAM	12	7	19.90	20.03	19.90		
5	16QAM	12	13	20.00	20.02	19.89		
5	16QAM	25	0	20.07	19.96	19.94	21.6	0
5	64QAM	1	0	20.03	19.95	19.94		
5	64QAM	1	12	19.97	20.01	19.97		
5	64QAM	1	24	19.99	19.98	20.04		
5	64QAM	12	0	19.99	20.06	19.96	21.6	0
5	64QAM	12	7	19.94	20.08	20.04		
5	64QAM	12	13	19.99	20.07	19.96		
5	64QAM	25	0	19.98	20.00	20.01		
5	256QAM	1	0	18.49	18.42	18.45	19.6	2
5	256QAM	1	12	18.47	18.51	18.40		
5	256QAM	1	24	18.53	18.49	18.38		
5	256QAM	12	0	18.45	18.54	18.44	19.6	2
5	256QAM	12	7	18.47	18.50	18.49		
5	256QAM	12	13	18.44	18.54	18.47		
5	256QAM	25	0	18.46	18.51	18.55		

Band 41 Ant4 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.07	19.07	19.25	19.05	19.13	20.6	0
20	QPSK	1	49	19.16	19.05	19.14	19.02	19.12		
20	QPSK	1	99	19.10	19.04	19.14	19.03	19.10		
20	QPSK	50	0	19.12	19.10	19.21	19.09	19.16	20.6	0
20	QPSK	50	24	19.15	19.05	19.18	19.08	19.17		
20	QPSK	50	50	19.08	19.12	19.16	19.09	19.18		
20	QPSK	100	0	19.17	19.10	19.19	19.06	19.18		
20	16QAM	1	0	19.14	19.13	19.18	19.03	19.09	20.6	0
20	16QAM	1	49	19.08	19.12	19.21	19.04	19.14		
20	16QAM	1	99	19.14	19.03	19.14	19.02	19.13		
20	16QAM	50	0	19.12	19.04	19.17	19.09	19.12	20.6	0
20	16QAM	50	24	19.13	19.07	19.18	19.09	19.17		
20	16QAM	50	50	19.14	19.08	19.11	19.00	19.08		
20	16QAM	100	0	19.12	19.06	19.14	19.11	19.18		
20	64QAM	1	0	19.13	19.07	19.20	19.02	19.11	20.6	0
20	64QAM	1	49	19.10	19.14	19.16	19.07	19.08		
20	64QAM	1	99	19.07	19.14	19.16	19.05	19.10		
20	64QAM	50	0	19.10	19.09	19.17	19.07	19.18	20.6	0
20	64QAM	50	24	19.17	19.14	19.16	19.06	19.12		
20	64QAM	50	50	19.08	19.06	19.15	19.05	19.12		
20	64QAM	100	0	19.17	19.12	19.21	19.04	19.08		
20	256QAM	1	0	18.62	18.59	18.63	18.59	18.58	19.6	1
20	256QAM	1	49	18.68	18.62	18.63	18.60	18.60		
20	256QAM	1	99	18.58	18.60	18.61	18.54	18.61		
20	256QAM	50	0	18.60	18.60	18.65	18.58	18.63	19.6	1
20	256QAM	50	24	18.57	18.55	18.67	18.50	18.58		
20	256QAM	50	50	18.57	18.58	18.70	18.52	18.63		
20	256QAM	100	0	18.65	18.59	18.72	18.55	18.66		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.03	18.97	18.99	19.00	18.99	21	0
15	QPSK	1	37	19.00	19.00	19.00	18.95	18.99		
15	QPSK	1	74	18.97	18.95	19.10	18.98	19.02		
15	QPSK	36	0	19.07	18.99	19.15	18.99	19.04	20.6	0
15	QPSK	36	20	19.08	18.95	19.08	19.03	19.12		
15	QPSK	36	39	18.97	19.02	19.05	19.04	19.12		
15	QPSK	75	0	19.09	18.96	18.99	18.98	19.05		
15	16QAM	1	0	19.00	18.97	19.10	18.92	19.00	20.6	0
15	16QAM	1	37	19.00	19.08	19.09	18.89	18.98		
15	16QAM	1	74	18.99	18.88	19.08	18.96	18.99		
15	16QAM	36	0	19.06	18.92	19.07	18.95	19.07	20.6	0
15	16QAM	36	20	18.98	18.93	19.06	18.97	19.12		
15	16QAM	36	39	19.01	19.03	19.04	18.94	18.97		
15	16QAM	75	0	19.03	18.91	19.09	19.04	19.06		
15	64QAM	1	0	18.99	18.93	19.09	18.87	19.00	20.6	0
15	64QAM	1	37	19.04	19.08	19.03	18.99	18.99		
15	64QAM	1	74	18.94	19.09	19.02	19.00	18.96		
15	64QAM	36	0	19.00	18.94	19.13	18.93	19.11	20.6	0
15	64QAM	36	20	19.03	19.06	19.01	18.92	18.98		
15	64QAM	36	39	18.98	19.01	19.07	18.93	19.01		
15	64QAM	75	0	19.10	19.07	19.08	18.91	19.03		
15	256QAM	1	0	18.50	18.50	18.51	18.49	18.46	19.6	1
15	256QAM	1	37	18.60	18.55	18.48	18.52	18.48		
15	256QAM	1	74	18.44	18.51	18.55	18.44	18.53		
15	256QAM	36	0	18.52	18.46	18.59	18.47	18.49	19.6	1
15	256QAM	36	20	18.42	18.49	18.53	18.44	18.53		
15	256QAM	36	39	18.45	18.45	18.64	18.46	18.50		
15	256QAM	75	0	18.51	18.49	18.58	18.39	18.54		
Channel				39700	40150	40620	41090	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.98	18.99	19.03	18.96	18.99	21	0
10	QPSK	1	25	19.09	18.99	19.01	18.91	19.04		
10	QPSK	1	49	19.00	18.96	19.06	18.97	18.99		
10	QPSK	25	0	19.07	18.98	19.15	18.99	19.05	20.6	0
10	QPSK	25	12	18.99	18.90	19.02	19.03	19.06		
10	QPSK	25	25	18.96	18.98	19.03	18.94	19.07		
10	QPSK	50	0	19.03	18.98	19.04	19.00	19.12		
10	16QAM	1	0	19.00	19.08	19.05	18.89	19.02	20.6	0
10	16QAM	1	25	18.96	18.99	19.05	18.93	19.07		
10	16QAM	1	49	19.05	18.92	18.99	18.87	19.03		
10	16QAM	25	0	18.98	18.99	19.08	18.97	19.07	20.6	0
10	16QAM	25	12	19.02	18.97	19.04	19.00	19.10		
10	16QAM	25	25	19.00	18.95	19.04	18.90	18.92		
10	16QAM	50	0	19.03	18.95	19.05	19.01	19.05		
10	64QAM	1	0	19.08	19.01	19.16	18.88	18.98	20.6	0
10	64QAM	1	25	18.99	19.07	19.01	19.02	18.95		
10	64QAM	1	49	18.99	19.02	19.03	18.94	18.99		
10	64QAM	25	0	19.03	19.04	19.11	18.96	19.14	20.6	0
10	64QAM	25	12	19.02	18.96	19.05	18.94	18.97		
10	64QAM	25	25	18.97	19.02	19.10	18.89	19.05		
10	64QAM	50	0	19.04	18.99	19.16	18.94	19.00		
10	256QAM	1	0	18.46	18.44	18.49	18.52	18.54	19.6	1
10	256QAM	1	25	18.57	18.53	18.56	18.54	18.52		
10	256QAM	1	49	18.47	18.53	18.48	18.42	18.49		
10	256QAM	25	0	18.44	18.56	18.55	18.42	18.59	19.6	1
10	256QAM	25	12	18.44	18.47	18.60	18.40	18.45		
10	256QAM	25	25	18.49	18.50	18.64	18.42	18.56		
10	256QAM	50	0	18.54	18.47	18.63	18.47	18.56		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.01	18.95	19.06	18.97	18.97	21	0
5	QPSK	1	12	19.01	18.93	19.06	18.94	19.03		
5	QPSK	1	24	18.97	18.99	19.00	18.98	19.03		
5	QPSK	12	0	19.04	18.97	19.12	18.99	19.07	20.6	0
5	QPSK	12	7	19.00	18.95	19.10	18.99	19.07		
5	QPSK	12	13	18.94	18.97	19.09	18.99	19.03		
5	QPSK	25	0	19.05	18.95	19.04	19.00	19.09		
5	16QAM	1	0	19.06	18.99	19.04	18.92	19.03	20.6	0
5	16QAM	1	12	19.01	18.93	19.13	18.98	19.05		
5	16QAM	1	24	19.02	18.93	19.06	18.89	19.04		
5	16QAM	12	0	19.00	18.89	19.10	19.01	18.97	20.6	0
5	16QAM	12	7	19.04	19.02	19.09	18.94	19.10		
5	16QAM	12	13	19.05	18.99	19.03	18.95	18.95		
5	16QAM	25	0	19.03	19.02	19.04	19.07	19.11		
5	64QAM	1	0	19.05	19.00	19.15	18.92	19.00	20.6	0
5	64QAM	1	12	18.96	19.07	19.05	18.98	18.94		
5	64QAM	1	24	18.93	19.06	19.00	18.90	18.97		
5	64QAM	12	0	19.01	18.95	19.07	18.98	19.09	20.6	0
5	64QAM	12	7	19.12	19.10	19.08	18.97	19.06		
5	64QAM	12	13	18.97	18.96	19.01	18.89	19.01		
5	64QAM	25	0	19.04	18.98	19.15	18.93	18.97		
5	256QAM	1	0	18.48	18.46	18.50	18.52	18.50	19.6	1
5	256QAM	1	12	18.59	18.49	18.55	18.46	18.45		
5	256QAM	1	24	18.52	18.48	18.51	18.41	18.51		
5	256QAM	12	0	18.52	18.53	18.59	18.54	18.56	19.6	1
5	256QAM	12	7	18.45	18.49	18.58	18.40	18.44		
5	256QAM	12	13	18.45	18.51	18.58	18.37	18.51		
5	256QAM	25	0	18.52	18.54	18.60	18.41	18.52		

Band 42 Ant4 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	19.04	19.21	19.06	19.7	0
20	QPSK	1	49	19.08	19.14	19.08		
20	QPSK	1	99	19.04	19.16	19.10		
20	QPSK	50	0	19.13	19.18	19.09	19.7	0
20	QPSK	50	24	19.10	19.13	19.12		
20	QPSK	50	50	19.12	19.16	19.09		
20	QPSK	100	0	19.12	19.13	19.05		
20	16QAM	1	0	19.12	19.17	19.06	19.7	0
20	16QAM	1	49	19.04	19.10	19.16		
20	16QAM	1	99	19.06	19.18	19.11		
20	16QAM	50	0	19.14	19.15	19.07	19.7	0
20	16QAM	50	24	19.05	19.07	19.05		
20	16QAM	50	50	19.06	19.15	19.04		
20	16QAM	100	0	19.07	19.15	19.04		
20	64QAM	1	0	19.03	19.16	19.11	19.7	0
20	64QAM	1	49	19.13	19.19	19.14		
20	64QAM	1	99	19.06	19.07	19.08		
20	64QAM	50	0	19.03	19.16	19.10	19.7	0
20	64QAM	50	24	19.05	19.18	19.09		
20	64QAM	50	50	19.07	19.15	19.05		
20	64QAM	100	0	19.07	19.16	19.15		
20	256QAM	1	0	19.11	19.09	19.10	19.7	0
20	256QAM	1	49	19.11	19.13	19.13		
20	256QAM	1	99	19.09	19.11	19.08		
20	256QAM	50	0	19.08	19.08	19.10	19.7	0
20	256QAM	50	24	19.04	19.19	19.09		
20	256QAM	50	50	19.07	19.16	19.16		
20	256QAM	100	0	19.05	19.08	19.10		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	19.02	18.98	19.02	19.7	0
15	QPSK	1	37	18.95	19.08	19.05		
15	QPSK	1	74	18.94	19.05	18.97		
15	QPSK	36	0	18.96	18.98	19.00	19.7	0
15	QPSK	36	20	19.02	19.08	19.02		
15	QPSK	36	39	18.96	18.98	18.97		
15	QPSK	75	0	19.04	19.02	18.98		
15	16QAM	1	0	18.97	19.03	18.98	19.7	0
15	16QAM	1	37	19.03	18.99	19.04		
15	16QAM	1	74	19.04	19.02	19.01		
15	16QAM	36	0	18.95	19.03	18.98	19.7	0
15	16QAM	36	20	18.94	18.98	19.00		
15	16QAM	36	39	18.99	19.01	19.02		
15	16QAM	75	0	19.01	18.99	19.01		
15	64QAM	1	0	18.99	19.01	18.97	19.7	0
15	64QAM	1	37	18.99	19.07	19.00		
15	64QAM	1	74	18.99	19.00	19.02		
15	64QAM	36	0	18.98	18.99	19.03	19.7	0
15	64QAM	36	20	18.97	19.08	18.94		
15	64QAM	36	39	18.99	19.04	19.00		
15	64QAM	75	0	18.99	19.00	18.99		
15	256QAM	1	0	18.98	19.00	18.98	19.7	0
15	256QAM	1	37	18.95	18.99	18.94		
15	256QAM	1	74	18.97	19.08	18.98		
15	256QAM	36	0	18.95	19.04	18.96	19.7	0
15	256QAM	36	20	19.03	18.97	19.04		
15	256QAM	36	39	18.96	19.08	18.97		
15	256QAM	75	0	19.00	18.99	19.02		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	18.93	18.98	19.05	19.7	0
10	QPSK	1	25	18.93	19.03	19.05		
10	QPSK	1	49	19.03	19.02	19.06		
10	QPSK	25	0	19.01	19.08	19.01	19.7	0
10	QPSK	25	12	19.02	19.09	19.03		
10	QPSK	25	25	18.93	19.01	19.01		
10	QPSK	50	0	18.94	18.97	18.97		
10	16QAM	1	0	18.94	19.02	18.96	19.7	0
10	16QAM	1	25	18.96	19.04	19.04		
10	16QAM	1	49	18.93	18.98	18.97		
10	16QAM	25	0	19.02	19.02	19.06	19.7	0
10	16QAM	25	12	19.02	19.07	18.96		
10	16QAM	25	25	19.00	19.00	18.98		
10	16QAM	50	0	18.95	19.09	19.00		
10	64QAM	1	0	18.98	19.05	18.95	19.7	0
10	64QAM	1	25	19.03	19.08	18.96		
10	64QAM	1	49	18.94	19.08	18.96		
10	64QAM	25	0	18.95	19.08	18.98	19.7	0
10	64QAM	25	12	19.00	19.01	18.99		
10	64QAM	25	25	19.01	19.01	18.95		
10	64QAM	50	0	18.97	19.03	19.02		
10	256QAM	1	0	19.01	18.99	19.00	19.7	0
10	256QAM	1	25	19.01	19.09	18.99		
10	256QAM	1	49	18.93	19.01	18.94		
10	256QAM	25	0	18.99	19.01	19.00	19.7	0
10	256QAM	25	12	18.96	19.02	18.97		
10	256QAM	25	25	19.02	19.04	19.00		
10	256QAM	50	0	18.93	19.04	19.03		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	18.99	19.06	18.98	19.7	0
5	QPSK	1	12	18.96	19.06	19.06		
5	QPSK	1	24	18.94	18.97	18.96		
5	QPSK	12	0	18.98	19.02	18.99	19.7	0
5	QPSK	12	7	18.92	19.09	19.04		
5	QPSK	12	13	18.96	19.03	19.00		
5	QPSK	25

Band 4 Ant6 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	24.99	25.10	25.03		
20	QPSK	1	49	24.87	25.05	24.94	25.7	0
20	QPSK	1	99	24.90	25.03	25.01		
20	QPSK	50	0	23.97	24.13	23.98		
20	QPSK	50	24	23.82	24.00	23.95	24.7	1
20	QPSK	50	50	23.89	24.06	23.96		
20	QPSK	100	0	24.02	24.10	24.04		
20	16QAM	1	0	24.03	24.08	24.08		
20	16QAM	1	49	23.93	24.01	23.95	24.7	1
20	16QAM	1	99	23.89	24.04	23.95		
20	16QAM	50	0	22.95	23.07	23.03		
20	16QAM	50	24	22.87	22.97	22.97	23.7	2
20	16QAM	50	50	22.91	23.09	23.00		
20	16QAM	100	0	23.04	23.09	23.07		
20	64QAM	1	0	23.07	23.12	23.09		
20	64QAM	1	49	22.98	23.00	22.91	23.7	2
20	64QAM	1	99	22.94	23.10	22.93		
20	64QAM	50	0	21.98	22.09	21.98		
20	64QAM	50	24	21.83	22.00	21.99	22.7	3
20	64QAM	50	50	21.91	22.10	21.94		
20	64QAM	100	0	21.98	22.11	22.01		
20	256QAM	1	0	20.02	20.10	20.03		
20	256QAM	1	49	19.77	20.01	19.95	20.7	5
20	256QAM	1	99	19.94	20.08	19.97		
20	256QAM	50	0	19.97	20.06	20.02		
20	256QAM	50	24	20.07	20.05	20.07	20.7	5
20	256QAM	50	50	19.94	20.00	19.94		
20	256QAM	100	0	19.91	20.03	19.94		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	24.93	25.03	24.90		
15	QPSK	1	37	24.81	25.02	24.84	25.7	0
15	QPSK	1	74	24.79	24.98	24.92		
15	QPSK	36	0	23.83	24.07	23.93		
15	QPSK	36	20	23.74	23.89	23.84	24.7	1
15	QPSK	36	39	23.86	23.97	23.87		
15	QPSK	75	0	23.95	24.04	23.95		
15	16QAM	1	0	23.98	24.01	23.99		
15	16QAM	1	37	23.86	23.97	23.86	24.7	1
15	16QAM	1	74	23.85	23.98	23.85		
15	16QAM	36	0	22.83	23.00	22.89		
15	16QAM	36	20	22.79	22.86	22.90	23.7	2
15	16QAM	36	39	22.82	22.96	22.92		
15	16QAM	75	0	22.93	23.05	22.98		
15	64QAM	1	0	23.02	23.05	22.99		
15	64QAM	1	37	22.89	22.92	22.85	23.7	2
15	64QAM	1	74	22.82	22.98	22.85		
15	64QAM	36	0	21.91	21.98	21.84		
15	64QAM	36	20	21.80	21.96	21.85	22.7	3
15	64QAM	36	39	21.81	22.00	21.89		
15	64QAM	75	0	21.92	22.00	21.89		
15	256QAM	1	0	19.98	20.03	19.92		
15	256QAM	1	37	19.70	19.90	19.84	20.7	5
15	256QAM	1	74	19.88	19.97	19.92		
15	256QAM	36	0	19.93	20.02	19.89		
15	256QAM	36	20	19.95	20.01	19.93	20.7	5
15	256QAM	36	39	19.86	19.92	19.87		
15	256QAM	75	0	19.88	19.92	19.90		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.86	25.04	24.96		
10	QPSK	1	25	24.75	25.00	24.90	25.7	0
10	QPSK	1	49	24.85	25.00	24.99		
10	QPSK	25	0	23.90	24.04	23.90		
10	QPSK	25	12	23.78	23.89	23.82	24.7	1
10	QPSK	25	25	23.77	23.93	23.83		
10	QPSK	50	0	23.99	24.05	23.95		
10	16QAM	1	0	23.89	24.02	24.03		
10	16QAM	1	25	23.87	23.89	23.87	24.7	1
10	16QAM	1	49	23.85	23.95	23.86		
10	16QAM	25	0	22.92	22.94	22.95		
10	16QAM	25	12	22.76	22.90	22.94	23.7	2
10	16QAM	25	25	22.84	22.97	22.94		
10	16QAM	50	0	22.93	23.01	22.98		
10	64QAM	1	0	23.03	23.03	23.01		
10	64QAM	1	25	22.91	22.94	22.88	23.7	2
10	64QAM	1	49	22.89	23.03	22.83		
10	64QAM	25	0	21.86	22.05	21.92		
10	64QAM	25	12	21.80	21.92	21.91	22.7	3
10	64QAM	25	25	21.78	21.99	21.84		
10	64QAM	50	0	21.92	21.99	21.97		
10	64QAM	50	0	19.89	19.97	19.95		
10	256QAM	1	25	19.70	19.89	19.86	20.7	5
10	256QAM	1	49	19.82	19.96	19.84		
10	256QAM	25	0	19.90	19.94	19.95		
10	256QAM	25	12	20.05	19.91	19.94	20.7	5
10	256QAM	25	25	19.83	19.88	19.82		
10	256QAM	50	0	19.83	19.98	19.81		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	24.87	25.08	24.96		
5	QPSK	1	12	24.78	24.99	24.83	25.7	0
5	QPSK	1	24	24.82	24.98	24.93		
5	QPSK	12	0	23.84	24.04	23.91		
5	QPSK	12	7	23.75	23.93	23.87	24.7	1
5	QPSK	12	13	23.83	23.96	23.94		
5	QPSK	25	0	23.98	24.08	24.02		
5	16QAM	1	0	23.98	24.00	24.05		
5	16QAM	1	12	23.79	23.94	23.82	24.7	1
5	16QAM	1	24	23.86	23.96	23.90		
5	16QAM	12	0	22.85	23.03	22.95		
5	16QAM	12	7	22.77	22.90	22.95	23.7	2
5	16QAM	12	13	22.79	23.00	22.91		
5	16QAM	25	0	22.91	23.03	23.02		
5	64QAM	1	0	23.05	23.10	23.02		
5	64QAM	1	12	22.90	22.96	22.80	23.7	2
5	64QAM	1	24	22.86	23.04	22.83		
5	64QAM	12	0	21.93	21.97	21.94		
5	64QAM	12	7	21.75	21.93	21.91	22.7	3
5	64QAM	12	13	21.84	22.08	21.82		
5	64QAM	25	0	21.96	21.99	21.98		
5	256QAM	1	0	20.00	20.01	19.94		
5	256QAM	1	12	19.65	19.90	19.91	20.7	5
5	256QAM	1	24	19.89	20.02	19.94		
5	256QAM	12	0	19.91	19.96	19.99		
5	256QAM	12	7	19.98	19.99	20.01	20.7	5
5	256QAM	12	13	19.85	19.91	19.85		
5	256QAM	25	0	19.82	20.00	19.84		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	24.93	24.97	24.92		
3	QPSK	1	8	24.82	24.97	24.84	25.7	0
3	QPSK	1	14	24.79	24.96	24.99		
3	QPSK	8	0	23.91	24.01	23.95		
3	QPSK	8	4	23.73	23.88	23.88	24.7	1
3	QPSK	8	7	23.81	23.99	23.84		
3	QPSK	15	0	23.92	24.06	23.97		
3	16QAM	1	0	23.92	24.03	24.04		
3	16QAM	1	8	23.86	23.90	23.82	24.7	1
3	16QAM	1	14	23.83	23.93	23.82		
3	16QAM	8	0	22.84	23.05	22.89		
3	16QAM	8	4	22.73	22.92	22.90	23.7	2
3	16QAM	8	7	22.79	23.01	22.96		
3	16QAM	15	0	22.90	23.07	23.01		
3	64QAM	1	0	23.04	23.07	23.02		
3	64QAM	1	8	22.95	22.89	22.84	23.7	2
3	64QAM	1	14	22.90	23.02	22.83		
3	64QAM	8	0	21.88	22.01	21.88		
3	64QAM	8	4	21.71	21.88	21.89	22.7	3
3	64QAM	8	7	21.80	21.99	21.90		
3	64QAM	15	0	21.87	22.03	21.93		
3	256QAM	1	0	19.99	19.99	19.99		
3	256QAM	1	8	19.75	19.98	19.85	20.7	5
3	256QAM	1	14	19.83	20.00	19.84		
3	256QAM	8	0	19.91	19.95	19.90		
3	256QAM	8	4	20.04	19.94	19.99	20.7	5
3	256QAM	8	7	19.88	19.97	19.87		
3	256QAM	15	0	19.82	19.91	19.93		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.94	24.98	24.93		
1.4	QPSK	1	3	24.74	25.00	24.89		
1.4	QPSK	1	5	24.86	24.95	24.99	25.7	0
1.4	QPSK	3	0	24.85	24.94	24.89		
1.4	QPSK	3	1	24.62	24.88	24.82		
1.4	QPSK	3	3	24.79	24.85	24.90		
1.4	QPSK	6	0	23.96	23.99	24.02	24.7	1
1.4	16QAM	1	0	23.92	23.98	24.03		
1.4	16QAM	1	3	23.85	23.95	23.87		
1.4	16QAM	1	5	23.80	23.97	23.88	24.7	1
1.4	16QAM	3	0	23.82	23.88	23.88		
1.4	16QAM	3	1	23.79	23.95	23.97		
1.4	16QAM	3	3	23.74	23.93	23.79		
1.4	16QAM	6	0	22.95	23.03	23.00	23.7	2
1.4	64QAM	1	0	23.00	23.01	22.99		
1.4	64QAM	1	3	22.93	22.95	22.77		
1.4	64QAM	1	5	22.90	23.05	22.80	23.7	2
1.4	64QAM	3	0	22.84	22.94	22.92		
1.4	64QAM	3	1	22.92	22.92	22.93		
1.4	64QAM	3	3	22.80	22.93	22.69		
1.4	64QAM	6	0	21.90	22.04	21.89	22.7	3
1.4	256QAM	1	0	19.99	20.05	19.94		
1.4	256QAM	1	3	19.68	19.88	19.92		
1.4	256QAM	1	5	19.87	20.00	19.87	20.7	5
1.4	256QAM	3	0	19.90	19.94	19.96		
1.4	256QAM	3	1	20.00	19.98	19.94		
1.4	256QAM	3	3	19.89	19.90	19.86		
1.4	256QAM	6	0	19.78	20.01	19.87	20.7	5

Band 7 Ant6 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.24	24.26	24.18		
20	QPSK	1	49	24.13	24.22	24.15	25.5	0
20	QPSK	1	99	24.15	24.21	24.14		
20	QPSK	50	0	23.26	23.30	23.16		
20	QPSK	50	24	23.08	23.17	23.21	24.5	1
20	QPSK	50	50	23.19	23.22	23.16		
20	QPSK	100	0	23.18	23.26	23.12		
20	16QAM	1	0	23.24	23.24	23.20		
20	16QAM	1	49	23.08	23.26	23.12	24.5	1
20	16QAM	1	99	23.10	23.26	23.09		
20	16QAM	50	0	22.23	22.31	22.20		
20	16QAM	50	24	22.03	22.14	22.22	23.5	2
20	16QAM	50	50	22.25	22.21	22.20		
20	16QAM	100	0	22.15	22.29	22.08		
20	64QAM	1	0	22.27	22.28	22.21		
20	64QAM	1	49	22.10	22.24	22.17	23.5	2
20	64QAM	1	99	22.16	22.21	22.14		
20	64QAM	50	0	21.25	21.30	21.12		
20	64QAM	50	24	21.09	21.15	21.23	22.5	3
20	64QAM	50	50	21.24	21.16	21.11		
20	64QAM	100	0	21.12	21.28	21.14		
20	256QAM	1	0	19.28	19.25	19.11		
20	256QAM	1	49	19.05	19.18	19.19	20.5	5
20	256QAM	1	99	19.20	19.26	19.17		
20	256QAM	50	0	19.17	19.23	19.16		
20	256QAM	50	24	19.27	19.22	19.18	20.5	5
20	256QAM	50	50	19.06	19.25	19.14		
20	256QAM	100	0	19.12	19.26	19.13		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.16	24.24	24.08		
15	QPSK	1	37	24.06	24.19	24.12	25.5	0
15	QPSK	1	74	24.03	24.12	24.10		
15	QPSK	36	0	23.24	23.19	23.09		
15	QPSK	36	20	22.99	23.05	23.10	24.5	1
15	QPSK	36	39	23.12	23.10	23.03		
15	QPSK	75	0	23.12	23.20	23.01		
15	16QAM	1	0	23.12	23.12	23.11		
15	16QAM	1	37	23.02	23.22	23.04	24.5	1
15	16QAM	1	74	23.01	23.24	23.06		
15	16QAM	36	0	22.20	22.26	22.12		
15	16QAM	36	20	21.98	22.06	22.14	23.5	2
15	16QAM	36	39	22.13	22.16	22.14		
15	16QAM	75	0	22.11	22.20	21.99		
15	64QAM	1	0	22.16	22.15	22.08		
15	64QAM	1	37	22.04	22.18	22.03	23.5	2
15	64QAM	1	74	22.04	22.13	22.10		
15	64QAM	36	0	21.21	21.19	21.04		
15	64QAM	36	20	20.97	21.04	21.15	22.5	3
15	64QAM	36	39	21.11	21.03	21.06		
15	64QAM	75	0	21.00	21.20	21.05		
15	256QAM	1	0	19.25	19.19	19.08		
15	256QAM	1	37	18.96	19.10	19.12	20.5	5
15	256QAM	1	74	19.06	19.20	19.11		
15	256QAM	36	0	19.04	19.16	19.09		
15	256QAM	36	20	19.13	19.10	19.09	20.5	5
15	256QAM	36	39	18.93	19.18	19.05		
15	256QAM	75	0	19.04	19.17	19.06		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.22	24.23	24.09		
10	QPSK	1	25	24.07	24.14	24.05	25.5	0
10	QPSK	1	49	24.11	24.17	24.01		
10	QPSK	25	0	23.16	23.24	23.14		
10	QPSK	25	12	23.01	23.12	23.08	24.5	1
10	QPSK	25	25	23.06	23.09	23.07		
10	QPSK	50	0	23.06	23.19	23.01		
10	16QAM	1	0	23.20	23.19	23.08		
10	16QAM	1	25	22.96	23.22	23.09	24.5	1
10	16QAM	1	49	23.02	23.16	23.03		
10	16QAM	25	0	22.20	22.18	22.15		
10	16QAM	25	12	21.92	22.09	22.14	23.5	2
10	16QAM	25	25	22.13	22.10	22.15		
10	16QAM	50	0	22.09	22.20	22.05		
10	64QAM	1	0	22.19	22.19	22.13		
10	64QAM	1	25	21.99	22.14	22.08	23.5	2
10	64QAM	1	49	22.07	22.09	22.05		
10	64QAM	25	0	21.18	21.28	21.09		
10	64QAM	25	12	20.97	21.03	21.09	22.5	3
10	64QAM	25	25	21.10	21.03	21.05		
10	64QAM	50	0	20.98	21.20	21.08		
10	256QAM	1	0	19.24	19.21	19.07		
10	256QAM	1	25	18.97	19.11	19.11	20.5	5
10	256QAM	1	49	19.14	19.18	19.04		
10	256QAM	25	0	19.09	19.18	19.13		
10	256QAM	25	12	19.18	19.13	19.11	20.5	5
10	256QAM	25	25	18.96	19.11	19.01		
10	256QAM	50	0	19.02	19.21	19.04		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.21	24.18	24.08		
5	QPSK	1	12	24.04	24.19	24.11	25.5	0
5	QPSK	1	24	24.02	24.08	24.09		
5	QPSK	12	0	23.14	23.20	23.06		
5	QPSK	12	7	23.04	23.12	23.19	24.5	1
5	QPSK	12	13	23.16	23.10	23.11		
5	QPSK	25	0	23.12	23.17	23.02		
5	16QAM	1	0	23.19	23.14	23.16		
5	16QAM	1	12	23.02	23.19	22.98	24.5	1
5	16QAM	1	24	22.98	23.18	22.96		
5	16QAM	12	0	22.17	22.19	22.18		
5	16QAM	12	7	21.92	22.09	22.11	23.5	2
5	16QAM	12	13	22.15	22.08	22.12		
5	16QAM	25	0	22.05	22.21	22.03		
5	64QAM	1	0	22.20	22.26	22.08		
5	64QAM	1	12	22.03	22.18	22.10	23.5	2
5	64QAM	1	24	22.07	22.09	22.06		
5	64QAM	12	0	21.21	21.27	21.00		
5	64QAM	12	7	21.05	21.12	21.14	22.5	3
5	64QAM	12	13	21.13	21.02	21.07		
5	64QAM	25	0	21.07	21.22	21.04		
5	256QAM	1	0	19.14	19.16	19.02		
5	256QAM	1	12	19.01	19.10	19.11	20.5	5
5	256QAM	1	24	19.14	19.18	19.11		
5	256QAM	12	0	19.07	19.20	19.09		
5	256QAM	12	7	19.24	19.09	19.13	20.5	5
5	256QAM	12	13	18.97	19.23	19.10		
5	256QAM	25	0	19.10	19.22	19.05		

Band 66 Ant6 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	25.13	25.18	25.11		
20	QPSK	1	49	25.03	25.16	24.97	25.7	0
20	QPSK	1	99	25.02	25.15	24.99		
20	QPSK	50	0	24.10	24.24	24.08		
20	QPSK	50	24	24.00	24.22	23.98	24.7	1
20	QPSK	50	50	24.01	24.20	24.00		
20	QPSK	100	0	24.15	24.23	24.16		
20	16QAM	1	0	24.07	24.21	24.10		
20	16QAM	1	49	24.05	24.15	24.02	24.7	1
20	16QAM	1	99	23.96	24.12	23.94		
20	16QAM	50	0	23.15	23.27	23.11		
20	16QAM	50	24	23.04	23.24	22.92	23.7	2
20	16QAM	50	50	23.05	23.22	22.94		
20	16QAM	100	0	23.21	23.26	23.21		
20	64QAM	1	0	23.04	23.19	23.11		
20	64QAM	1	49	22.99	23.18	23.06	23.7	2
20	64QAM	1	99	22.94	23.11	22.91		
20	64QAM	50	0	22.13	22.29	22.07		
20	64QAM	50	24	21.99	22.28	21.98	22.7	3
20	64QAM	50	50	21.98	22.20	21.98		
20	64QAM	100	0	22.10	22.19	22.12		
20	256QAM	1	0	20.11	20.29	20.04		
20	256QAM	1	49	20.05	20.26	19.96	20.7	5
20	256QAM	1	99	20.04	20.23	19.99		
20	256QAM	50	0	20.15	20.21	20.20		
20	256QAM	50	24	20.05	20.26	20.04	20.7	5
20	256QAM	50	50	20.06	20.09	20.07		
20	256QAM	100	0	19.97	20.08	19.88		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	25.11	25.12	25.00		
15	QPSK	1	37	24.92	25.03	24.88	25.7	0
15	QPSK	1	74	24.97	25.10	24.93		
15	QPSK	36	0	24.02	24.11	24.06		
15	QPSK	36	20	23.97	24.19	23.92	24.7	1
15	QPSK	36	39	23.91	24.14	23.98		
15	QPSK	75	0	24.09	24.18	24.05		
15	16QAM	1	0	24.05	24.13	24.02		
15	16QAM	1	37	24.01	24.06	23.91	24.7	1
15	16QAM	1	74	23.88	24.01	23.82		
15	16QAM	36	0	23.10	23.17	23.01		
15	16QAM	36	20	22.99	23.10	22.79	23.7	2
15	16QAM	36	39	22.98	23.16	22.85		
15	16QAM	75	0	23.13	23.14	23.18		
15	64QAM	1	0	22.91	23.05	23.05		
15	64QAM	1	37	22.85	23.04	23.00	23.7	2
15	64QAM	1	74	22.86	23.05	22.84		
15	64QAM	36	0	22.02	22.24	21.97		
15	64QAM	36	20	21.97	22.24	21.86	22.7	3
15	64QAM	36	39	21.87	22.08	21.93		
15	64QAM	75	0	22.02	22.10	22.00		
15	256QAM	1	0	20.03	20.26	19.94		
15	256QAM	1	37	19.97	20.21	19.88	20.7	5
15	256QAM	1	74	19.99	20.15	19.92		
15	256QAM	36	0	20.05	20.08	20.09		
15	256QAM	36	20	19.96	20.22	19.97	20.7	5
15	256QAM	36	39	19.95	19.95	19.95		
15	256QAM	75	0	19.93	20.03	19.82		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	25.10	25.07	25.06		
10	QPSK	1	25	24.95	25.06	24.86	25.7	0
10	QPSK	1	49	25.00	25.06	24.96		
10	QPSK	25	0	24.03	24.10	24.02		
10	QPSK	25	12	23.91	24.18	23.92	24.7	1
10	QPSK	25	25	23.95	24.14	23.89		
10	QPSK	50	0	24.04	24.16	24.11		
10	16QAM	1	0	23.99	24.13	24.05		
10	16QAM	1	25	23.95	24.07	23.93	24.7	1
10	16QAM	1	49	23.86	24.

Band 38 Ant6 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.46	24.43	24.43	25.5	0
20	QPSK	1	49	24.42	24.44	24.39		
20	QPSK	1	99	24.42	24.41	24.35		
20	QPSK	50	0	23.44	23.46	23.40	24.5	1
20	QPSK	50	24	23.44	23.40	23.37		
20	QPSK	50	50	23.40	23.35	23.29		
20	QPSK	100	0	23.43	23.44	23.39		
20	16QAM	1	0	23.44	23.42	23.46	24.5	1
20	16QAM	1	49	23.48	23.43	23.39		
20	16QAM	1	99	23.47	23.42	23.40		
20	16QAM	50	0	22.42	22.49	22.40	23.5	2
20	16QAM	50	24	22.47	22.44	22.36		
20	16QAM	50	50	22.45	22.40	22.31		
20	16QAM	100	0	22.38	22.50	22.38		
20	64QAM	1	0	22.47	22.41	22.45	23.5	2
20	64QAM	1	49	22.43	22.41	22.38		
20	64QAM	1	99	22.47	22.47	22.44		
20	64QAM	50	0	21.39	21.48	21.43	22.5	3
20	64QAM	50	24	21.41	21.46	21.42		
20	64QAM	50	50	21.46	21.34	21.31		
20	64QAM	100	0	21.47	21.47	21.44		
20	256QAM	1	0	19.39	19.46	19.45	20.5	5
20	256QAM	1	49	19.48	19.42	19.39		
20	256QAM	1	99	19.35	19.30	19.32		
20	256QAM	50	0	19.42	19.39	19.40	20.5	5
20	256QAM	50	24	19.50	19.46	19.50		
20	256QAM	50	50	19.48	19.39	19.39		
20	256QAM	100	0	19.50	19.47	19.42		
Channel				37825	38000	38175	Tune-up limit	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.43	24.45	24.30	25.5	0
15	QPSK	1	37	24.29	24.40	24.32		
15	QPSK	1	74	24.38	24.33	24.22		
15	QPSK	36	0	23.39	23.34	23.29	24.5	1
15	QPSK	36	20	23.34	23.37	23.33		
15	QPSK	36	39	23.37	23.24	23.16		
15	QPSK	75	0	23.41	23.33	23.26		
15	16QAM	1	0	23.39	23.31	23.33	24.5	1
15	16QAM	1	37	23.44	23.37	23.37		
15	16QAM	1	74	23.40	23.39	23.33		
15	16QAM	36	0	22.37	22.38	22.26	23.5	2
15	16QAM	36	20	22.37	22.39	22.28		
15	16QAM	36	39	22.36	22.30	22.19		
15	16QAM	75	0	22.25	22.40	22.28		
15	64QAM	1	0	22.40	22.31	22.41	23.5	2
15	64QAM	1	37	22.37	22.39	22.34		
15	64QAM	1	74	22.43	22.40	22.35		
15	64QAM	36	0	21.30	21.41	21.37	22.5	3
15	64QAM	36	20	21.30	21.33	21.35		
15	64QAM	36	39	21.39	21.29	21.26		
15	64QAM	75	0	21.43	21.44	21.39		
15	256QAM	1	0	19.33	19.33	19.40	20.5	5
15	256QAM	1	37	19.42	19.32	19.36		
15	256QAM	1	74	19.31	19.19	19.30		
15	256QAM	36	0	19.38	19.29	19.34	20.5	5
15	256QAM	36	20	19.46	19.34	19.39		
15	256QAM	36	39	19.42	19.31	19.31		
15	256QAM	75	0	19.43	19.38	19.28		
Channel				37550	38000	38450	Tune-up limit	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.34	24.40	24.33	25.5	0
10	QPSK	1	25	24.32	24.31	24.26		
10	QPSK	1	49	24.33	24.37	24.22		
10	QPSK	25	0	23.33	23.33	23.30	24.5	1
10	QPSK	25	12	23.31	23.30	23.26		
10	QPSK	25	25	23.36	23.22	23.18		
10	QPSK	50	0	23.36	23.40	23.28		
10	16QAM	1	0	23.36	23.40	23.42	24.5	1
10	16QAM	1	25	23.39	23.33	23.28		
10	16QAM	1	49	23.38	23.33	23.30		
10	16QAM	25	0	22.35	22.43	22.34	23.5	2
10	16QAM	25	12	22.38	22.31	22.28		
10	16QAM	25	25	22.36	22.26	22.21		
10	16QAM	50	0	22.27	22.36	22.29		
10	64QAM	1	0	22.34	22.35	22.37	23.5	2
10	64QAM	1	25	22.40	22.32	22.28		
10	64QAM	1	49	22.41	22.44	22.31		
10	64QAM	25	0	21.32	21.42	21.32	22.5	3
10	64QAM	25	12	21.34	21.33	21.39		
10	64QAM	25	25	21.36	21.29	21.27		
10	64QAM	50	0	21.42	21.38	21.36		
10	256QAM	1	0	19.26	19.34	19.35	20.5	5
10	256QAM	1	25	19.44	19.31	19.33		
10	256QAM	1	49	19.27	19.27	19.28		
10	256QAM	25	0	19.37	19.27	19.32	20.5	5
10	256QAM	25	12	19.40	19.36	19.36		
10	256QAM	25	25	19.37	19.32	19.27		
10	256QAM	50	0	19.40	19.44	19.30		
Channel				37775	38000	38225	Tune-up limit	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.35	24.38	24.32	25.5	0
5	QPSK	1	12	24.30	24.38	24.29		
5	QPSK	1	24	24.36	24.34	24.27		
5	QPSK	12	0	23.34	23.35	23.33	24.5	1
5	QPSK	12	7	23.34	23.31	23.25		
5	QPSK	12	13	23.31	23.31	23.22		
5	QPSK	25	0	23.32	23.33	23.35		
5	16QAM	1	0	23.36	23.33	23.43	24.5	1
5	16QAM	1	12	23.37	23.37	23.31		
5	16QAM	1	24	23.37	23.35	23.34		
5	16QAM	12	0	22.39	22.37	22.27	23.5	2
5	16QAM	12	7	22.39	22.34	22.23		
5	16QAM	12	13	22.32	22.27	22.19		
5	16QAM	25	0	22.27	22.45	22.35		
5	64QAM	1	0	22.43	22.37	22.42	23.5	2
5	64QAM	1	12	22.38	22.38	22.36		
5	64QAM	1	24	22.38	22.44	22.31		
5	64QAM	12	0	21.25	21.45	21.32	22.5	3
5	64QAM	12	7	21.36	21.36	21.33		
5	64QAM	12	13	21.37	21.20	21.18		
5	64QAM	25	0	21.43	21.38	21.40		
5	256QAM	1	0	19.34	19.38	19.40	20.5	5
5	256QAM	1	12	19.45	19.32	19.28		
5	256QAM	1	24	19.26	19.21	19.23		
5	256QAM	12	0	19.31	19.34	19.34	20.5	5
5	256QAM	12	7	19.45	19.37	19.46		
5	256QAM	12	13	19.39	19.27	19.30		
5	256QAM	25	0	19.46	19.44	19.30		

Band 41 Ant6 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.40	24.36	24.46	24.44	24.41	25.5	0
20	QPSK	1	49	24.28	24.27	24.41	24.40	24.30		
20	QPSK	1	99	24.30	24.29	24.40	24.37	24.32		
20	QPSK	50	0	23.42	23.40	23.50	23.40	23.44	24.5	1
20	QPSK	50	24	23.24	23.33	23.38	23.44	23.26		
20	QPSK	50	50	23.29	23.28	23.44	23.36	23.35		
20	QPSK	100	0	23.37	23.34	23.48	23.46	23.42		
20	16QAM	1	0	23.44	23.39	23.46	23.42	23.41	24.5	1
20	16QAM	1	49	23.28	23.30	23.41	23.34	23.28		
20	16QAM	1	99	23.24	23.32	23.34	23.34	23.29		
20	16QAM	50	0	22.41	22.36	22.56	22.39	22.48	23.5	2
20	16QAM	50	24	22.27	22.37	22.32	22.39	22.23		
20	16QAM	50	50	22.33	22.25	22.42	22.41	22.31		
20	16QAM	100	0	22.40	22.35	22.46	22.46	22.45		
20	64QAM	1	0	22.45	22.43	22.44	22.38	22.47	23.5	2
20	64QAM	1	49	22.28	22.29	22.46	22.37	22.26		
20	64QAM	1	99	22.19	22.29	22.37	22.31	22.31		
20	64QAM	50	0	21.37	21.41	21.53	21.36	21.41	22.5	3
20	64QAM	50	24	21.28	21.37	21.33	21.48	21.23		
20	64QAM	50	50	21.23	21.32	21.46	21.41	21.38		
20	64QAM	100	0	21.37	21.30	21.42	21.44	21.37		
20	256QAM	1	0	19.41	19.34	19.45	19.40	19.41	20.5	5
20	256QAM	1	49	19.29	19.28	19.33	19.50	19.23		
20	256QAM	1	99	19.32	19.33	19.39	19.34	19.36		
20	256QAM	50	0	19.39	19.29	19.47	19.43	19.41	20.5	5
20	256QAM	50	24	19.50	19.43	19.50	19.41	19.43		
20	256QAM	50	50	19.26	19.32	19.37	19.33	19.33		
20	256QAM	100	0	19.21	19.30	19.32	19.31	19.31		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.32	24.27	24.43	24.30	24.34	26	0
15	QPSK	1	37	24.16	24.16	24.33	24.30	24.19		
15	QPSK	1	74	24.25	24.20	24.29	24.25	24.27		
15	QPSK	36	0	23.30	23.30	23.44	23.30	23.31	24.5	1
15	QPSK	36	20	23.18	23.26	23.29	23.35	23.20		
15	QPSK	36	39	23.19	23.26	23.37	23.26	23.23		
15	QPSK	75	0	23.35	23.22	23.40	23.41	23.35		
15	16QAM	1	0	23.31	23.27	23.43	23.34	23.30	24.5	1
15	16QAM	1	37	23.22	23.23	23.31	23.31	23.23		
15	16QAM	1	74	23.18	23.27	23.26	23.24	23.21		
15	16QAM	36	0	22.28	22.29	22.53	22.26	22.42	23.5	2
15	16QAM	36	20	22.19	22.31	22.22	22.35	22.18		
15	16QAM	36	39	22.21	22.14	22.34	22.33	22.23		
15	16QAM	75	0	22.37	22.22	22.41	22.36	22.36		
15	64QAM	1	0	22.34	22.38	22.34	22.29	22.36	23.5	2
15	64QAM	1	37	22.19	22.25	22.37	22.34	22.18		
15	64QAM	1	74	22.12	22.25	22.24	22.20	22.29		
15	64QAM	36	0	21.27	21.39	21.43	21.31	21.31	22.5	3
15	64QAM	36	20	21.15	21.30	21.24	21.37	21.16		
15	64QAM	36	39	21.17	21.29	21.37	21.24	21.31		
15	64QAM	75	0	21.26	21.21	21.30	21.41	21.34		
15	256QAM	1	0	19.32	19.23	19.34	19.31	19.28	20.5	5
15	256QAM	1	37	19.19	19.22	19.27	19.45	19.18		
15	256QAM	1	74	19.24	19.30	19.31	19.27	19.27		
15	256QAM	36	0	19.28	19.26	19.40	19.31	19.37	20.5	5
15	256QAM	36	20	19.42	19.34	19.42	19.33	19.33		
15	256QAM	36	39	19.22	19.28	19.32	19.19	19.19		
15	256QAM	75	0	19.10	19.22	19.19	19.21	19.23		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.34	24.31	24.35	24.32	24.38	26	0
10	QPSK	1	25	24.16	24.24	24.28	24.31	24.18		
10	QPSK	1	49	24.22	24.26	24.35	24.31	24.28		
10	QPSK	25	0	23.31	23.29	23.43	23.28	23.32	24.5	1
10	QPSK	25	12	23.14	23.22	23.30	23.41	23.14		
10	QPSK	25	25	23.20	23.19	23.37	23.32	23.28		
10	QPSK	50	0	23.32	23.28	23.39	23.35	23.39		
10	16QAM	1	0	23.39	23.34	23.39	23.39	23.33	24.5	1
10	16QAM	1	25	23.17	23.22	23.31	23.23	23.18		
10	16QAM	1	49	23.12	23.27	23.23	23.29	23.22		
10	16QAM	25	0	22.31	22.32	22.50	22.33	22.44	23.5	2
10	16QAM	25	12	22.22	22.32	22.20	22.32	22.09		
10	16QAM	25	25	22.26	22.20	22.36	22.31	22.20		
10	16QAM	50	0	22.27	22.25	22.36	22.34	22.40		
10	64QAM	1	0	22.38	22.38	22.33	22.33	22.42	23.5	2
10	64QAM	1	25	22.23	22.17	22.33	22.27	22.18		
10	64QAM	1	49	22.08	22.25	22.23	22.24	22.26		
10	64QAM	25	0	21.23	21.34	21.46	21.25	21.33	22.5	3
10	64QAM	25	12	21.17	21.34	21.21	21.42	21.16		
10	64QAM	25	25	21.18	21.24	21.43	21.24	21.36		
10	64QAM	50	0	21.31	21.27	21.37	21.41	21.26		
10	256QAM	1	0	19.38	19.31	19.33	19.33	19.37	20.5	5
10	256QAM	1	25	19.22	19.19	19.24	19.47	19.11		
10	256QAM	1	49	19.29	19.22	19.31	19.27	19.30		
10	256QAM	25	0	19.28	19.16	19.42	19.37	19.38	20.5	5
10	256QAM	25	12	19.42	19.33	19.43	19.37	19.31		
10	256QAM	25	25	19.21	19.25	19.25	19.28	19.27		
10	256QAM	50	0	19.08	19.22	19.24	19.23	19.19		
Channel				39675	40148	40620	41093	41565	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.37	24.35	24.36	24.39	24.35	26	0
5	QPSK	1	12	24.20	24.23	24.32	24.26	24.21		
5	QPSK	1	24	24.21	24.21	24.36	24.28	24.23		
5	QPSK	12	0	23.28	23.36	23.45	23.34	23.38	24.5	1
5	QPSK	12	7	23.14	23.31	23.25	23.38	23.14		
5	QPSK	12	13	23.16	23.20	23.38	23.23	23.32		
5	QPSK	25	0	23.33	23.25	23.43	23.35	23.32		
5	16QAM	1	0	23.41	23.25	23.36	23.30	23.28	24.5	1
5	16QAM	1	12	23.20	23.21	23.30	23.36	23.26		
5	16QAM	1	24	23.17	23.18	23.30	23.28	23.15		
5	16QAM	12	0	22.38	22.28	22.45	22.33	22.39	23.5	2
5	16QAM	12	7	22.14	22.28	22.26	22.28	22.10		
5	16QAM	12	13	22.28	22.13	22.39	22.34	22.23		
5	16QAM	25	0	22.31	22.23	22.38	22.44	22.41		
5	64QAM	1	0	22.40	22.38	22.36	22.31	22.33	23.5	2
5	64QAM	1	12	22.26	22.26	22.40	22.27	22.17		
5	64QAM	1	24	22.13	22.19	22.34	22.18	22.27		
5	64QAM	12	0	21.24	21.35	21.41	21.30	21.36	22.5	3
5	64QAM	12	7	21.23	21.29	21.24	21.35	21.13		
5	64QAM	12	13	21.12	21.22	21.44	21.27	21.30		
5	64QAM	25	0	21.32	21.19	21.31	21.37	21.32		
5	256QAM	1	0	19.21	19.21	19.33	19.29	19.35	20.5	5
5	256QAM	1	12	19.21	19.18	19.25	19.44	19.20		
5	256QAM	1	24	19.23	19.29	19.33	19.21	19.30		
5	256QAM	12	0	19.25	19.24	19.41	19.37	19.29	20.5	5
5	256QAM	12	7	19.45	19.33	19.44	19.28	19.31		
5	256QAM	12	13	19.20	19.25	19.29	19.20	19.28		
5	256QAM	25	0	19.15	19.24	19.21	19.22	19.23		

Band 42 Ant6 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.70	23.75	23.72	25	0
20	QPSK	1	49	23.61	23.72	23.61		
20	QPSK	1	99	23.63	23.71	23.68		
20	QPSK	50	0	22.74	22.76	22.66	24	1
20	QPSK	50	24	22.57	22.69	22.63		
20	QPSK	50	50	22.63	22.75	22.70		
20	QPSK	100	0	22.66	22.73	22.72		
20	16QAM	1	0	22.69	22.72	22.74	24	1
20	16QAM	1	49	22.61	22.75	22.67		
20	16QAM	1	99	22.61	22.76	22.63		
20	16QAM	50	0	21.69	21.73	21.60	23	2
20	16QAM	50	24	21.52	21.71	21.60		
20	16QAM	50	50	21.64	21.74	21.70		
20	16QAM	100	0	21.67	21.76	21.72		
20	64QAM	1	0	21.73	21.73	21.69	23	2
20	64QAM	1	49	21.58	21.78	21.67		
20	64QAM	1	99	21.57	21.81	21.59		
20	64QAM	50	0	20.76	20.80	20.72	22	3
20	64QAM	50	24	20.56	20.65	20.66		
20	64QAM	50	50	20.68	20.71	20.65		
20	64QAM	100	0	20.71	20.67	20.77		
20	256QAM	1	0	18.74	18.77	18.61	20	5
20	256QAM	1	49	18.52	18.67	18.60		
20	256QAM	1	99	18.60	18.80	18.75		
20	256QAM	50	0	18.72	18.69	18.71	20	5
20	256QAM	50	24	18.71	18.67	18.75		
20	256QAM	50	50	18.65	18.76	18.63		
20	256QAM	100	0	18.62	18.72	18.61		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	23.57	23.65	23.70	25	0
15	QPSK	1	37	23.55	23.63	23.59		
15	QPSK	1	74	23.53	23.60	23.58		
15	QPSK	36	0	22.61	22.69	22.62	24	1
15	QPSK	36	20	22.46	22.56	22.50		
15	QPSK	36	39	22.59	22.66	22.60		
15	QPSK	75	0	22.57	22.69	22.58		
15	16QAM	1	0	22.60	22.59	22.62	24	1
15	16QAM	1	37	22.53	22.63	22.64		
15	16QAM	1	74	22.55	22.71	22.50		
15	16QAM	36	0	21.63	21.68	21.57	23	2
15	16QAM	36	20	21.41	21.60	21.49		
15	16QAM	36	39	21.62	21.60	21.64		
15	16QAM	75	0	21.57	21.66	21.64		
15	64QAM	1	0	21.63	21.68	21.57	23	2
15	64QAM	1	37	21.51	21.68	21.64		
15	64QAM	1	74	21.48	21.71	21.49		
15	64QAM	36	0	20.73	20.71	20.70	22	3
15	64QAM	36	20	20.46	20.58	20.57		
15	64QAM	36	39	20.63	20.68	20.58		
15	64QAM	75	0	20.62	20.62	20.75		
15	256QAM	1	0	18.63	18.74	18.57	20	5
15	256QAM	1	37	18.50	18.58	18.56		
15	256QAM	1	74	18.55	18.71	18.64		
15	256QAM	36	0	18.69	18.63	18.60	20	5
15	256QAM	36	20	18.59	18.63	18.72		
15	256QAM	36	39	18.61	18.73	18.58		
15	256QAM	75	0	18.60	18.69	18.53		
Channel				42140	42540	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	23.68	23.71	23.65	25	0
10	QPSK	1	25	23.55	23.63	23.57		
10	QPSK	1	49	23.55	23.58	23.60		
10	QPSK	25	0	22.65	22.66	22.60	24	1
10	QPSK	25	12	22.48	22.61	22.59		
10	QPSK	25	25	22.57	22.67	22.63		
10	QPSK	50	0	22.62	22.62	22.63		
10	16QAM	1	0	22.66	22.59	22.70	24	1
10	16QAM	1	25	22.50	22.70	22.65		
10	16QAM	1	49	22.58	22.64	22.58		
10	16QAM	25	0	21.58	21.69	21.47	23	2
10	16QAM	25	12	21.38	21.63	21.57		
10	16QAM	25	25	21.55	21.61	21.62		
10	16QAM	50	0	21.63	21.62	21.62		
10	64QAM	1	0	21.65	21.68	21.66	23	2
10	64QAM	1	25	21.54	21.68	21.60		
10	64QAM	1	49	21.43	21.68	21.48		
10	64QAM	25	0	20.64	20.69	20.62	22	3
10	64QAM	25	12	20.54	20.62	20.63		
10	64QAM	25	25	20.60	20.67	20.52		
10	64QAM	50	0	20.61	20.60	20.66		
10	256QAM	1	0	18.62	18.71	18.56	20	5
10	256QAM	1	25	18.50	18.64	18.58		
10	256QAM	1	49	18.49	18.71	18.65		
10	256QAM	25	0	18.67	18.55	18.62	20	5
10	256QAM	25	12	18.64	18.62	18.71		
10	256QAM	25	25	18.61	18.73	18.58		
10	256QAM	50	0	18.57	18.61	18.59		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	23.60	23.65	23.68	25	0
5	QPSK	1	12	23.53	23.62	23.50		
5	QPSK	1	24	23.60	23.68	23.55		
5	QPSK	12	0	22.61	22.72	22.61	24	1
5	QPSK	12	7	22.49	22.55	22.54		
5	QPSK	12	13	22.61	22.73	22.58		
5	QPSK	25	0	22.57	22.65	22.62		
5	16QAM	1	0	22.55	22.69	22.66	24	1
5	16QAM	1	12	22.48	22

Band 4 Ant7 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	19.41	19.56	19.32		
20	QPSK	1	49	19.47	19.55	19.40	20.9	0
20	QPSK	1	99	19.38	19.53	19.34		
20	QPSK	50	0	19.44	19.55	19.37		
20	QPSK	50	24	19.45	19.50	19.33	20.9	0
20	QPSK	50	50	19.47	19.53	19.32		
20	QPSK	100	0	19.39	19.54	19.33		
20	16QAM	1	0	19.40	19.53	19.41		
20	16QAM	1	49	19.40	19.50	19.33	20.9	0
20	16QAM	1	99	19.43	19.46	19.41		
20	16QAM	50	0	19.39	19.53	19.36		
20	16QAM	50	24	19.46	19.49	19.38	20.9	0
20	16QAM	50	50	19.48	19.52	19.41		
20	16QAM	100	0	19.47	19.49	19.33		
20	64QAM	1	0	19.46	19.55	19.35		
20	64QAM	1	49	19.42	19.48	19.36	20.9	0
20	64QAM	1	99	19.41	19.48	19.39		
20	64QAM	50	0	19.45	19.50	19.33		
20	64QAM	50	24	19.41	19.54	19.31	20.9	0
20	64QAM	50	50	19.46	19.53	19.38		
20	64QAM	100	0	19.45	19.55	19.31		
20	256QAM	1	0	17.38	17.50	17.34		
20	256QAM	1	49	17.47	17.49	17.30	18.9	2
20	256QAM	1	99	17.46	17.51	17.32		
20	256QAM	50	0	17.48	17.55	17.33		
20	256QAM	50	24	17.42	17.45	17.37	18.9	2
20	256QAM	50	50	17.43	17.52	17.29		
20	256QAM	100	0	17.50	17.53	17.38		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	19.33	19.46	19.18		
15	QPSK	1	37	19.32	19.47	19.33	20.9	0
15	QPSK	1	74	19.31	19.42	19.29		
15	QPSK	36	0	19.30	19.42	19.32		
15	QPSK	36	20	19.37	19.49	19.26	20.9	0
15	QPSK	36	39	19.41	19.42	19.16		
15	QPSK	75	0	19.26	19.49	19.23		
15	16QAM	1	0	19.25	19.45	19.31		
15	16QAM	1	37	19.36	19.43	19.19	20.9	0
15	16QAM	1	74	19.32	19.36	19.35		
15	16QAM	36	0	19.23	19.48	19.19		
15	16QAM	36	20	19.35	19.34	19.33	20.9	0
15	16QAM	36	39	19.34	19.37	19.28		
15	16QAM	75	0	19.39	19.36	19.22		
15	64QAM	1	0	19.41	19.47	19.19		
15	64QAM	1	37	19.27	19.36	19.22	20.9	0
15	64QAM	1	74	19.34	19.35	19.23		
15	64QAM	36	0	19.40	19.35	19.20		
15	64QAM	36	20	19.30	19.48	19.15	20.9	0
15	64QAM	36	39	19.40	19.46	19.26		
15	64QAM	75	0	19.37	19.50	19.24		
15	256QAM	1	0	17.24	17.35	17.29		
15	256QAM	1	37	17.34	17.40	17.14	18.9	2
15	256QAM	1	74	17.40	17.46	17.16		
15	256QAM	36	0	17.35	17.42	17.24		
15	256QAM	36	20	17.29	17.33	17.25	18.9	2
15	256QAM	36	39	17.30	17.39	17.23		
15	256QAM	75	0	17.38	17.47	17.32		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	19.29	19.39	19.22		
10	QPSK	1	25	19.41	19.46	19.36	20.9	0
10	QPSK	1	49	19.33	19.38	19.29		
10	QPSK	25	0	19.32	19.39	19.33		
10	QPSK	25	12	19.40	19.46	19.22	20.9	0
10	QPSK	25	25	19.32	19.48	19.22		
10	QPSK	50	0	19.35	19.43	19.27		
10	16QAM	1	0	19.32	19.39	19.30		
10	16QAM	1	25	19.31	19.40	19.19	20.9	0
10	16QAM	1	49	19.35	19.33	19.26		
10	16QAM	25	0	19.34	19.42	19.23		
10	16QAM	25	12	19.41	19.39	19.27	20.9	0
10	16QAM	25	25	19.36	19.47	19.37		
10	16QAM	50	0	19.37	19.38	19.17		
10	64QAM	1	0	19.38	19.43	19.24		
10	64QAM	1	25	19.36	19.35	19.24	20.9	0
10	64QAM	1	49	19.34	19.43	19.32		
10	64QAM	25	0	19.34	19.42	19.27		
10	64QAM	25	12	19.35	19.43	19.18	20.9	0
10	64QAM	25	25	19.36	19.42	19.32		
10	64QAM	50	0	19.30	19.48	19.23		
10	256QAM	1	0	17.30	17.44	17.29		
10	256QAM	1	25	17.42	17.43	17.22	18.9	2
10	256QAM	1	49	17.32	17.41	17.20		
10	256QAM	25	0	17.37	17.44	17.27		
10	256QAM	25	12	17.31	17.34	17.31	18.9	2
10	256QAM	25	25	17.34	17.37	17.21		
10	256QAM	50	0	17.39	17.41	17.26		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	19.29	19.41	19.26		
5	QPSK	1	12	19.37	19.41	19.30	20.9	0
5	QPSK	1	24	19.28	19.43	19.24		
5	QPSK	12	0	19.32	19.37	19.29		
5	QPSK	12	7	19.35	19.48	19.21	20.9	0
5	QPSK	12	13	19.42	19.41	19.21		
5	QPSK	25	0	19.28	19.48	19.22		
5	16QAM	1	0	19.25	19.41	19.32		
5	16QAM	1	12	19.32	19.43	19.18	20.9	0
5	16QAM	1	24	19.37	19.33	19.34		
5	16QAM	12	0	19.24	19.39	19.26		
5	16QAM	12	7	19.39	19.36	19.25	20.9	0
5	16QAM	12	13	19.41	19.47	19.31		
5	16QAM	25	0	19.35	19.35	19.24		
5	64QAM	1	0	19.41	19.47	19.20		
5	64QAM	1	12	19.34	19.42	19.24	20.9	0
5	64QAM	1	24	19.32	19.40	19.29		
5	64QAM	12	0	19.39	19.35	19.22		
5	64QAM	12	7	19.36	19.49	19.22	20.9	0
5	64QAM	12	13	19.36	19.42	19.27		
5	64QAM	25	0	19.33	19.50	19.26		
5	256QAM	1	0	17.28	17.40	17.21		
5	256QAM	1	12	17.40	17.38	17.14	18.9	2
5	256QAM	1	24	17.31	17.45	17.22		
5	256QAM	12	0	17.39	17.43	17.21		
5	256QAM	12	7	17.38	17.39	17.22	18.9	2
5	256QAM	12	13	17.31	17.42	17.14		
5	256QAM	25	0	17.37	17.48	17.31		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	19.36	19.36	19.18		
3	QPSK	1	8	19.43	19.43	19.28	20.9	0
3	QPSK	1	14	19.25	19.40	19.20		
3	QPSK	8	0	19.39	19.35	19.29		
3	QPSK	8	4	19.34	19.43	19.17	20.9	0
3	QPSK	8	7	19.35	19.42	19.19		
3	QPSK	15	0	19.34	19.45	19.21		
3	16QAM	1	0	19.33	19.40	19.27		
3	16QAM	1	8	19.33	19.38	19.18	20.9	0
3	16QAM	1	14	19.37	19.30	19.31		
3	16QAM	8	0	19.29	19.48	19.21		
3	16QAM	8	4	19.40	19.43	19.24	20.9	0
3	16QAM	8	7	19.44	19.39	19.25		
3	16QAM	15	0	19.42	19.37	19.20		
3	64QAM	1	0	19.37	19.47	19.29		
3	64QAM	1	8	19.37	19.35	19.27	20.9	0
3	64QAM	1	14	19.33	19.41	19.25		
3	64QAM	8	0	19.39	19.44	19.18		
3	64QAM	8	4	19.34	19.40	19.18	20.9	0
3	64QAM	8	7	19.40	19.48	19.22		
3	64QAM	15	0	19.33	19.42	19.24		
3	256QAM	1	0	17.27	17.45	17.26		
3	256QAM	1	8	17.36	17.40	17.22	18.9	2
3	256QAM	1	14	17.37	17.44	17.22		
3	256QAM	8	0	17.35	17.44	17.19		
3	256QAM	8	4	17.28	17.36	17.24	18.9	2
3	256QAM	8	7	17.28	17.47	17.18		
3	256QAM	15	0	17.37	17.41	17.33		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.35	19.41	19.26		
1.4	QPSK	1	3	19.36	19.43	19.27		
1.4	QPSK	1	5	19.24	19.41	19.25		
1.4	QPSK	3	0	19.32	19.39	19.25	20.9	0
1.4	QPSK	3	1	19.38	19.50	19.17		
1.4	QPSK	3	3	19.36	19.46	19.26		
1.4	QPSK	6	0	19.31	19.41	19.29	20.9	0
1.4	16QAM	1	0	19.25	19.41	19.36		
1.4	16QAM	1	3	19.35	19.37	19.18		
1.4	16QAM	1	5	19.30	19.35	19.34	20.9	0
1.4	16QAM	3	0	19.27	19.49	19.29		
1.4	16QAM	3	1	19.36	19.42	19.24		
1.4	16QAM	3	3	19.40	19.45	19.29		
1.4	16QAM	6	0	19.33	19.37	19.28	20.9	0
1.4	64QAM	1	0	19.31	19.39	19.23		
1.4	64QAM	1	3	19.28	19.41	19.21		
1.4	64QAM	1	5	19.34	19.33	19.34	20.9	0
1.4	64QAM	3	0	19.32	19.46	19.21		
1.4	64QAM	3	1	19.29	19.44	19.17		
1.4	64QAM	3	3	19.32	19.47	19.31		
1.4	64QAM	6	0	19.30	19.43	19.25	20.9	0
1.4	256QAM	1	0	17.27	17.34	17.27		
1.4	256QAM	1	3	17.42	17.38	17.16		
1.4	256QAM	1	5	17.38	17.39	17.24	18.9	2
1.4	256QAM	3	0	17.39	17.49	17.24		
1.4	256QAM	3	1	17.27	17.38	17.30		
1.4	256QAM	3	3	17.30	17.42	17.25		
1.4	256QAM	6	0	17.45	17.42	17.30	18.9	2

Band 7 Ant7 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.46	18.65	18.55		
20	QPSK	1	49	18.38	18.53	18.44	19.9	0
20	QPSK	1	99	18.37	18.53	18.43		
20	QPSK	50	0	18.42	18.63	18.50		
20	QPSK	50	24	18.46	18.54	18.55	19.9	0
20	QPSK	50	50	18.39	18.62	18.54		
20	QPSK	100	0	18.45	18.53	18.51		
20	16QAM	1	0	18.39	18.57	18.51		
20	16QAM	1	49	18.38	18.62	18.45	19.9	0
20	16QAM	1	99	18.44	18.59	18.50		
20	16QAM	50	0	18.47	18.52	18.44		
20	16QAM	50	24	18.43	18.55	18.43	19.9	0
20	16QAM	50	50	18.41	18.61	18.54		
20	16QAM	100	0	18.41	18.53	18.51		
20	64QAM	1	0	18.39	18.56	18.54		
20	64QAM	1	49	18.47	18.59	18.52	19.9	0
20	64QAM	1	99	18.45	18.54	18.46		
20	64QAM	50	0	18.39	18.53	18.55		
20	64QAM	50	24	18.44	18.52	18.53	19.9	0
20	64QAM	50	50	18.40	18.62	18.54		
20	64QAM	100	0	18.41	18.60	18.53		
20	256QAM	1	0	17.00	17.11	17.03		
20	256QAM	1	49	16.82	17.00	16.99	18.4	1.5
20	256QAM	1	99	16.86	17.09	16.89		
20	256QAM	50	0	16.87	17.05	16.98		
20	256QAM	50	24	16.97	17.10	17.00	18.4	1.5
20	256QAM	50	50	16.88	17.16	17.10		
20	256QAM	100	0	16.90	17.03	16.96		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.37	18.47	18.48		
15	QPSK	1	37	18.26	18.40	18.32	19.9	0
15	QPSK	1	74	18.30	18.41	18.38		
15	QPSK	36	0	18.31	18.45	18.34		
15	QPSK	36	20	18.42	18.46	18.51	19.9	0
15	QPSK	36	39	18.27	18.50	18.38		
15	QPSK	75	0	18.31	18.43	18.38		
15	16QAM	1	0	18.35	18.41	18.39		
15	16QAM	1	37	18.24	18.52	18.39	19.9	0
15	16QAM	1	74	18.36	18.51	18.36		
15	16QAM	36	0	18.37	18.45	18.32		
15	16QAM	36	20	18.34	18.49	18.38	19.9	0
15	16QAM	36	39	18.34	18.45	18.40		
15	16QAM	75	0	18.34	18.39	18.36		
15	64QAM	1	0	18.34	18.51	18.45		
15	64QAM	1	37	18.37	18.51	18.48	19.9	0
15	64QAM	1	74	18.38	18.45	18.39		
15	64QAM	36	0	18.23	18.46	18.41		
15	64QAM	36	20	18.36	18.37	18.49	19.9	0
15	64QAM	36	39	18.26	18.48	18.41		
15	64QAM	75	0	18.26	18.45	18.39		
15	256QAM	1	0	16.88	16.98	16.87		
15	256QAM	1	37	16.76	16.94	16.89	18.4	1.5
15	256QAM	1	74	16.71	17.00	16.84		
15	256QAM	36	0	16.75	16.97	16.83		
15	256QAM	36	20	16.85	16.95	16.93	18.4	1.5
15	256QAM	36	39	16.76	17.11	17.04		
15	256QAM	75	0	16.79	16.89	16.82		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.33	18.45	18.47		
10	QPSK	1	25	18.26	18.43	18.34	19.9	0
10	QPSK	1	49	18.29	18.42	18.30		
10	QPSK	25	0	18.36	18.41	18.45		
10	QPSK	25	12	18.36	18.40	18.41	19.9	0
10	QPSK	25	25	18.29	18.52	18.48		
10	QPSK	50	0	18.36	18.47	18.39		
10	16QAM	1	0	18.24	18.49	18.41		
10	16QAM	1	25	18.25	18.50	18.34	19.9	0
10	16QAM	1	49	18.34	18.48	18.43		
10	16QAM	25	0	18.42	18.41	18.36		
10	16QAM	25	12	18.35	18.40	18.38	19.9	0
10	16QAM	25	25	18.29	18.47	18.48		
10	16QAM	50	0	18.34	18.42	18.36		
10	64QAM	1	0	18.27	18.52	18.41		
10	64QAM	1	25	18.42	18.50	18.46	19.9	0
10	64QAM	1	49	18.39	18.49	18.35		
10	64QAM	25	0	18.25	18.48	18.49		
10	64QAM	25	12	18.29	18.44	18.39	19.9	0
10	64QAM	25	25	18.25	18.46	18.44		
10	64QAM	50	0	18.28	18.48	18.41		
10	256QAM	1	0	16.84	17.03	16.97		
10	256QAM	1	25	16.68	16.90	16.92	18.4	1.5
10	256QAM	1	49	16.79	17.05	16.73		
10	256QAM	25	0	16.79	16.93	16.88		
10	256QAM	25	12	16.89	17.00	16.89	18.4	1.5
10	256QAM	25	25	16.81	17.11	17.06		
10	256QAM	50	0	16.85	16.88	16.86		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.34	18.43	18.50		
5	QPSK	1	12	18.32	18.41	18.33	19.9	0
5	QPSK	1	24	18.32	18.37	18.34		
5	QPSK	12	0	18.35	18.45	18.35		
5	QPSK	12	7	18.39	18.48	18.40	19.9	0
5	QPSK	12	13	18.28	18.48	18.48		
5	QPSK	25	0	18.38	18.40	18.39		
5	16QAM	1	0	18.29	18.48	18.43		
5	16QAM	1	12	18.27	18.47	18.33	19.9	0
5	16QAM	1	24	18.36	18.43	18.39		
5	16QAM	12	0	18.33	18.46	18.34		
5	16QAM	12	7	18.29	18.49	18.32	19.9	0
5	16QAM	12	13	18.35	18.51	18.41		
5	16QAM	25	0	18.30	18.40	18.46		
5	64QAM	1	0	18.33	18.51	18.38		
5	64QAM	1	12	18.31	18.52	18.39	19.9	0
5	64QAM	1	24	18.37	18.47	18.33		
5	64QAM	12	0	18.34	18.42	18.51		
5	64QAM	12	7	18.33	18.38	18.41	19.9	0
5	64QAM	12	13	18.26	18.53	18.48		
5	64QAM	25	0	18.37	18.54	18.48		
5	256QAM	1	0	16.91	17.05	16.89		
5	256QAM	1	12	16.71	16.96	16.92	18.4	1.5
5	256QAM	1	24	16.78	17.05	16.84		
5	256QAM	12	0	16.77	16.99	16.89		
5	256QAM	12	7	16.85	17.04	16.93	18.4	1.5
5	256QAM	12	13	16.73	17.12	16.97		
5	256QAM	25	0	16.79	16.93	16.88		

Band 66 Ant7 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	18.83	18.99	18.94		
20	QPSK	1	49	18.90	18.87	18.94	20.5	0
20	QPSK	1	99	18.86	18.88	18.91		
20	QPSK	50	0	18.84	18.95	18.87		
20	QPSK	50	24	18.84	18.90	18.88	20.5	0
20	QPSK	50	50	18.88	18.92	18.91		
20	QPSK	100	0	18.82	18.94	18.91		
20	16QAM	1	0	18.88	18.97	18.95		
20	16QAM	1	49	18.88	18.86	18.89	20.5	0
20	16QAM	1	99	18.87	18.89	18.91		
20	16QAM	50	0	18.82	18.90	18.91		
20	16QAM	50	24	18.91	18.96	18.85	20.5	0
20	16QAM	50	50	18.89	18.88	18.93		
20	16QAM	100	0	18.86	18.87	18.93		
20	64QAM	1	0	18.81	18.91	18.91		
20	64QAM	1	49	18.85	18.90	18.88	20.5	0
20	64QAM	1	99	18.89	18.85	18.92		
20	64QAM	50	0	18.91	18.85	18.88		
20	64QAM	50	24	18.90	18.95	18.96	20.5	0
20	64QAM	50	50	18.92	18.92	18.85		
20	64QAM	100	0	18.81	18.92	18.95		
20	256QAM	1	0	17.38	17.39	17.39		
20	256QAM	1	49	17.38	17.33	17.47	19	1.5
20	256QAM	1	99	17.41	17.44	17.37		
20	256QAM	50	0	17.32	17.43	17.34		
20	256QAM	50	24	17.32	17.44	17.42	19	1.5
20	256QAM	50	50	17.40	17.41	17.38		
20	256QAM	100	0	17.35	17.40	17.36		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.70	18.83	18.83		
15	QPSK	1	37	18.82	18.73	18.90	20.5	0
15	QPSK	1	74	18.76	18.77	18.85		
15	QPSK	36	0	18.77	18.77	18.75		
15	QPSK	36	20	18.75	18.86	18.83	20.5	0
15	QPSK	36	39	18.82	18.86	18.76		
15	QPSK	75	0	18.75	18.87	18.82		
15	16QAM	1	0	18.77	18.90	18.88		
15	16QAM	1	37	18.80	18.78	18.82	20.5	0
15	16QAM	1	74	18.73	18.83	18.78		
15	16QAM	36	0	18.74	18.83	18.83		
15	16QAM	36	20	18.83	18.85	18.73	20.5	0
15	16QAM	36	39	18.80	18.79	18.78		
15	16QAM	75	0	18.78	18.76	18.80		
15	64QAM	1	0	18.73	18.81	18.79		
15	64QAM	1	37	18.71	18.80	18.80	20.5	0
15	64QAM	1	74	18.75	18.73	18.83		
15	64QAM	36	0	18.81	18.69	18.75		
15	64QAM	36	20	18.84	18.80	18.88	20.5	0
15	64QAM	36	39	18.86	18.82	18.76		
15	64QAM	75	0	18.74	18.79	18.86		
15	256QAM	1	0	17.28	17.27	17.26		
15	256QAM	1	37	17.23	17.28	17.39	19	1.5
15	256QAM	1	74	17.27	17.36	17.32		
15	256QAM	36	0	17.26	17.30	17.23		
15	256QAM	36	20	17.26	17.33	17.36	19	1.5
15	256QAM	36	39	17.25	17.31	17.27		
15	256QAM	75	0	17.26	17.32	17.25		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.71	18.86	18.87		
10	QPSK	1	25	18.78	18.76	18.84	20.5	0
10	QPSK	1	49	18.79	18.77	18.86		
10	QPSK	25	0	18.69	18.75	18.74		
10	QPSK	25	12	18.76	18.85	18.79	20.5	0
10	QPSK	25	25	18.73	18.82	18.80		
10	QPSK	50	0	18.76	18.80	18.77		
10	16QAM	1	0	18.74	18.93	18.79		
10	16QAM	1	25	18.80	18.81	18.74	20.5	0
10	16QAM

Band 38 Ant7 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.83	21.01	20.92	22.1	0
20	QPSK	1	49	20.87	20.94	20.95		
20	QPSK	1	99	20.85	20.90	20.85		
20	QPSK	50	0	20.84	20.96	20.89	22.1	0
20	QPSK	50	24	20.85	20.95	20.88		
20	QPSK	50	50	20.83	20.95	20.89		
20	QPSK	100	0	20.86	20.89	20.84		
20	16QAM	1	0	20.84	20.95	20.83	22.1	0
20	16QAM	1	49	20.93	20.89	20.85		
20	16QAM	1	99	20.90	20.96	20.85		
20	16QAM	50	0	20.31	20.52	20.40	21.6	0.5
20	16QAM	50	24	20.38	20.40	20.49		
20	16QAM	50	50	20.33	20.37	20.34		
20	16QAM	100	0	20.33	20.49	20.36		
20	64QAM	1	0	20.40	20.44	20.42	21.6	0.5
20	64QAM	1	49	20.31	20.47	20.39		
20	64QAM	1	99	20.32	20.42	20.39		
20	64QAM	50	0	19.86	19.98	19.87	20.6	1.5
20	64QAM	50	24	19.79	19.96	19.91		
20	64QAM	50	50	19.87	19.98	19.97		
20	64QAM	100	0	19.77	20.03	19.91		
20	256QAM	1	0	17.86	17.97	17.89	18.6	3.5
20	256QAM	1	49	17.87	17.96	17.94		
20	256QAM	1	99	17.78	18.02	17.87		
20	256QAM	50	0	17.79	18.03	17.87	18.6	3.5
20	256QAM	50	24	17.82	17.96	17.89		
20	256QAM	50	50	17.87	18.02	17.95		
20	256QAM	100	0	17.88	17.95	17.98		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	20.71	20.85	20.83	22.1	0
15	QPSK	1	37	20.79	20.89	20.80		
15	QPSK	1	74	20.77	20.78	20.80		
15	QPSK	36	0	20.74	20.79	20.79	22.1	0
15	QPSK	36	20	20.76	20.90	20.83		
15	QPSK	36	39	20.73	20.91	20.82		
15	QPSK	75	0	20.80	20.77	20.78		
15	16QAM	1	0	20.72	20.89	20.74	22.1	0
15	16QAM	1	37	20.83	20.74	20.77		
15	16QAM	1	74	20.79	20.82	20.73		
15	16QAM	36	0	20.21	20.33	20.35	21.6	0.5
15	16QAM	36	20	20.23	20.33	20.24		
15	16QAM	36	39	20.30	20.25	20.30		
15	16QAM	75	0	20.20	20.28	20.34		
15	64QAM	1	0	20.20	20.36	20.27	21.6	0.5
15	64QAM	1	37	20.28	20.39	20.35		
15	64QAM	1	74	20.34	20.27	20.24		
15	64QAM	36	0	19.80	19.92	19.79	20.6	1.5
15	64QAM	36	20	19.67	19.86	19.86		
15	64QAM	36	39	19.75	19.92	19.91		
15	64QAM	75	0	19.67	19.94	19.80		
15	256QAM	1	0	17.75	17.83	17.82	18.6	3.5
15	256QAM	1	37	17.74	17.90	17.84		
15	256QAM	1	74	17.70	17.90	17.81		
15	256QAM	36	0	17.67	17.93	17.72	18.6	3.5
15	256QAM	36	20	17.66	17.81	17.83		
15	256QAM	36	39	17.80	17.88	17.87		
15	256QAM	75	0	17.78	17.81	17.90		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	20.68	20.88	20.81	22.1	0
10	QPSK	1	25	20.79	20.86	20.80		
10	QPSK	1	49	20.76	20.79	20.69		
10	QPSK	25	0	20.78	20.83	20.81	22.1	0
10	QPSK	25	12	20.73	20.80	20.83		
10	QPSK	25	25	20.68	20.80	20.83		
10	QPSK	50	0	20.81	20.79	20.78		
10	16QAM	1	0	20.71	20.87	20.74	22.1	0
10	16QAM	1	25	20.89	20.78	20.70		
10	16QAM	1	49	20.84	20.86	20.71		
10	16QAM	25	0	20.14	20.35	20.36	21.6	0.5
10	16QAM	25	12	20.33	20.34	20.25		
10	16QAM	25	25	20.22	20.35	20.17		
10	16QAM	50	0	20.31	20.33	20.27		
10	64QAM	1	0	20.23	20.24	20.34	21.6	0.5
10	64QAM	1	25	20.19	20.32	20.30		
10	64QAM	1	49	20.25	20.24	20.28		
10	64QAM	25	0	19.70	19.84	19.76	20.6	1.5
10	64QAM	25	12	19.67	19.86	19.85		
10	64QAM	25	25	19.81	19.91	19.91		
10	64QAM	50	0	19.72	19.89	19.87		
10	256QAM	1	0	17.80	17.88	17.75	18.6	3.5
10	256QAM	1	25	17.75	17.81	17.82		
10	256QAM	1	49	17.64	17.94	17.78		
10	256QAM	25	0	17.69	17.92	17.82	18.6	3.5
10	256QAM	25	12	17.70	17.86	17.79		
10	256QAM	25	25	17.77	17.91	17.82		
10	256QAM	50	0	17.82	17.88	17.85		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	20.75	20.85	20.87	22.1	0
5	QPSK	1	12	20.78	20.82	20.83		
5	QPSK	1	24	20.71	20.83	20.70		
5	QPSK	12	0	20.79	20.84	20.80	22.1	0
5	QPSK	12	7	20.79	20.81	20.81		
5	QPSK	12	13	20.73	20.89	20.84		
5	QPSK	25	0	20.71	20.83	20.79		
5	16QAM	1	0	20.69	20.85	20.68	22.1	0
5	16QAM	1	12	20.78	20.81	20.77		
5	16QAM	1	24	20.86	20.81	20.78		
5	16QAM	12	0	20.29	20.37	20.39	21.6	0.5
5	16QAM	12	7	20.28	20.33	20.38		
5	16QAM	12	13	20.23	20.33	20.25		
5	16QAM	25	0	20.27	20.29	20.29		
5	64QAM	1	0	20.27	20.35	20.36	21.6	0.5
5	64QAM	1	12	20.19	20.35	20.36		
5	64QAM	1	24	20.19	20.29	20.28		
5	64QAM	12	0	19.81	19.83	19.79	20.6	1.5
5	64QAM	12	7	19.65	19.83	19.79		
5	64QAM	12	13	19.78	19.89	19.88		
5	64QAM	25	0	19.72	19.90	19.81		
5	256QAM	1	0	17.78	17.90	17.79	18.6	3.5
5	256QAM	1	12	17.82	17.80	17.79		
5	256QAM	1	24	17.70	17.98	17.75		
5	256QAM	12	0	17.75	17.91	17.82	18.6	3.5
5	256QAM	12	7	17.72	17.86	17.82		
5	256QAM	12	13	17.77	17.90	17.80		
5	256QAM	25	0	17.76	17.85	17.87		

Band 41 Ant7 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.81	20.79	20.91	20.78	20.75	22.1	0
20	QPSK	1	49	20.72	20.73	20.82	20.71	20.73		
20	QPSK	1	99	20.72	20.83	20.78	20.72	20.77		
20	QPSK	50	0	20.80	20.84	20.89	20.76	20.70	22.1	0
20	QPSK	50	24	20.72	20.73	20.77	20.78	20.71		
20	QPSK	50	50	20.73	20.83	20.87	20.82	20.74		
20	QPSK	100	0	20.73	20.82	20.86	20.78	20.76		
20	16QAM	1	0	20.80	20.73	20.79	20.80	20.67	22.1	0
20	16QAM	1	49	20.80	20.78	20.84	20.80	20.68		
20	16QAM	1	99	20.75	20.73	20.82	20.82	20.68		
20	16QAM	50	0	20.34	20.27	20.37	20.26	20.27	21.6	0.5
20	16QAM	50	24	20.27	20.23	20.30	20.19	20.21		
20	16QAM	50	50	20.21	20.27	20.31	20.20	20.28		
20	16QAM	100	0	20.27	20.40	20.35	20.23	20.20		
20	64QAM	1	0	20.26	20.26	20.26	20.27	20.25	21.6	0.5
20	64QAM	1	49	20.29	20.29	20.37	20.31	20.28		
20	64QAM	1	99	20.26	20.29	20.35	20.30	20.32		
20	64QAM	50	0	19.75	19.82	19.78	19.78	19.78	20.6	1.5
20	64QAM	50	24	19.78	19.85	19.80	19.80	19.81		
20	64QAM	50	50	19.75	19.84	19.80	19.79	19.71		
20	64QAM	100	0	19.76	19.75	19.85	19.77	19.73		
20	256QAM	1	0	17.82	17.81	17.78	17.74	17.78	18.6	3.5
20	256QAM	1	49	17.87	17.77	17.79	17.77	17.75		
20	256QAM	1	99	17.79	17.82	17.80	17.76	17.79		
20	256QAM	50	0	17.75	17.80	17.84	17.76	17.77	18.6	3.5
20	256QAM	50	24	17.83	17.76	17.81	17.72	17.77		
20	256QAM	50	50	17.80	17.74	17.81	17.72	17.72		
20	256QAM	100	0	17.78	17.76	17.74	17.72	17.77		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.65	20.69	20.69	20.73	20.64	22	0
15	QPSK	1	37	20.58	20.65	20.76	20.62	20.62		
15	QPSK	1	74	20.65	20.75	20.71	20.60	20.67		
15	QPSK	36	0	20.69	20.78	20.70	20.68	20.65	22.1	0
15	QPSK	36	20	20.67	20.58	20.65	20.71	20.60		
15	QPSK	36	39	20.58	20.79	20.83	20.75	20.65		
15	QPSK	75	0	20.61	20.72	20.76	20.67	20.64		
15	16QAM	1	0	20.74	20.57	20.69	20.65	20.55	22.1	0
15	16QAM	1	37	20.72	20.62	20.70	20.70	20.61		
15	16QAM	1	74	20.60	20.64	20.74	20.69	20.62		
15	16QAM	36	0	20.27	20.25	20.40	20.24	20.31	21.6	0.5
15	16QAM	36	20	20.28	20.23	20.27	20.22	20.17		
15	16QAM	36	39	20.18	20.38	20.22	20.26	20.27		
15	16QAM	75	0	20.30	20.31	20.33	20.22	20.24		
15	64QAM	1	0	20.28	20.28	20.25	20.25	20.20	21.6	0.5
15	64QAM	1	37	20.29	20.28	20.33	20.33	20.19		
15	64QAM	1	74	20.18	20.29	20.37	20.28	20.25		
15	64QAM	36	0	19.63	19.70	19.74	19.69	19.74	20.6	1.5
15	64QAM	36	20	19.74	19.77	19.70	19.74	19.70		
15	64QAM	36	39	19.65	19.69	19.71	19.70	19.63		
15	64QAM	75	0	19.62	19.59	19.81	19.64	19.62		
15	256QAM	1	0	17.69	17.68	17.74	17.58	17.82	18.6	3.5
15	256QAM	1	37	17.82	17.71	17.72	17.64	17.64		
15	256QAM	1	74	17.64	17.66	17.73	17.62	17.69		
15	256QAM	36	0	17.62	17.67	17.71	17.68	17.70	18.6	3.5
15	256QAM	36	20	17.77	17.72	17.68	17.62	17.62		
15	256QAM	36	39	17.67	17.67	17.73	17.58	17.64		
15	256QAM	75	0	17.68	17.63	17.68	17.67	17.72		
Channel				39700	40150	40620	41090	41540	Tune-up limit	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.65	20.64	20.70	20.70	20.62	22	0
10	QPSK	1	25	20.65	20.60	20.68	20.66	20.61		
10	QPSK	1	49	20.63	20.71	20.65	20.62	20.70		
10	QPSK	25	0	20.74	20.70	20.67	20.65	20.64	22.1	0
10	QPSK	25	12	20.66	20.67	20.65	20.63	20.57		
10	QPSK	25	25	20.60	20.74	20.73	20.70	20.69		
10	QPSK	50	0	20.63	20.73	20.79	20.70	20.70		
10	16QAM	1	0	20.70	20.62	20.69	20.67	20.62	22.1	0
10	16QAM	1	25	20.72	20.71	20.77	20.72	20.62		
10	16QAM	1	49	20.64	20.62	20.67	20.72	20.63		
10	16QAM	25	0	20.32	20.33	20.37	20.34	20.26	21.6	0.5
10	16QAM	25	12	20.21	20.23	20.29	20.25	20.18		
10	16QAM	25	25	20.22	20.35	20.27	20.18	20.22		
10	16QAM	50	0	20.31	20.37	20.36	20.31	20.19		
10	64QAM	1	0	20.26	20.28	20.24	20.23	20.23	21.6	0.5
10	64QAM	1	25	20.25	20.29	20.37	20.26	20.29		
10	64QAM	1	49	20.20	20.31	20.41	20.32	20.29		
10	64QAM	25	0	19.60	19.74	19.64	19.64	19.72	20.6	1.5
10	64QAM	25	12	19.70	19.70	19.66	19.73	19.76		
10	64QAM	25	25	19.65	19.72	19.75	19.68	19.67		
10	64QAM	50	0	19.71	19.70	19.70	19.70	19.62		
10	256QAM	1	0	17.71	17.76	17.72	17.66	17.66	18.6	3.5
10	256QAM	1	25	17.76	17.72	17.74	17.71	17.70		
10	256QAM	1	49	17.67	17.72	17.69	17.61	17.71		
10	256QAM	25	0	17.66	17.69	17.74	17.60	17.67	18.6	3.5
10	256QAM	25	12	17.70	17.67	17.72	17.61	17.65		
10	256QAM	25	25	17.66	17.65	17.71	17.67	17.65		
10	256QAM	50	0	17.69	17.67	17.62	17.67	17.61		
Channel				39675	40148	40620	41093	41565	Tune-up limit	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.73	20.69	20.70	20.71	20.70	22	0
5	QPSK	1	12	20.64	20.61	20.73	20.63	20.64		
5	QPSK	1	24	20.62	20.75	20.64	20.67	20.66		
5	QPSK	12	0	20.73	20.70	20.73	20.63	20.58	22.1	0
5	QPSK	12	7	20.66	20.62	20.70	20.67	20.66		
5	QPSK	12	13	20.62	20.69	20.80	20.73	20.64		
5	QPSK	25	0	20.65	20.71	20.71	20.67	20.67		
5	16QAM	1	0	20.72	20.68	20.67	20.74	20.55	22.1	0
5	16QAM	1	12	20.65	20.68	20.79	20.66	20.55		
5	16QAM	1	24	20.64	20.66	20.67	20.67	20.59		
5	16QAM	12	0	20.26	20.24	20.45	20.32	20.26	21.6	0.5
5	16QAM	12	7	20.16	20.28	20.33	20.19	20.26		
5	16QAM	12	13	20.19	20.27	20.25	20.23	20.26		
5	16QAM	25	0	20.27	20.40	20.41	20.27	20.21		
5	64QAM	1	0	20.23	20.19	20.32	20.23	20.27	21.6	0.5
5	64QAM	1	12	20.18	20.38	20.39	20.26	20.22		
5	64QAM	1	24	20.24	20.27	20.34	20.29	20.22		
5	64QAM	12	0	19.61	19.73	19.66	19.73	19.71	20.6	1.5
5	64QAM	12	7	19.64	19.72	19.73	19.68	19.76		
5	64QAM	12	13	19.64	19.73	19.71	19.64	19.64		
5	64QAM	25	0	19.60	19.65	19.75	19.65	19.64		
5	256QAM	1	0	17.75	17.73	17.65	17.65	17.69	18.6	3.5
5	256QAM	1	12	17.72	17.67	17.75	17.62	17.63		
5	256QAM	1	24	17.66	17.70	17.67	17.67	17.64		
5	256QAM	12	0	17.65	17.64	17.79	17.72	17.73	18.6	3.5
5	256QAM	12	7	17.73	17.70	17.76	17.60	17.71		
5	256QAM	12	13	17.65	17.70	17.77	17.60	17.61		
5	256QAM	25	0	17.67	17.71	17.60	17.61	17.67		

Band 42 Ant10 DSI 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.52	23.55	23.49	24.7	0
20	QPSK	1	49	23.39	23.52	23.43		
20	QPSK	1	99	23.48	23.50	23.45		
20	QPSK	50	0	22.55	22.59	22.53	23.7	1
20	QPSK	50	24	22.37	22.51	22.45		
20	QPSK	50	50	22.51	22.50	22.42		
20	QPSK	100	0	22.48	22.55	22.54		
20	16QAM	1	0	22.55	22.53	22.52	23.7	1
20	16QAM	1	49	22.43	22.53	22.45		
20	16QAM	1	99	22.45	22.54	22.42		
20	16QAM	50	0	21.50	21.57	21.56	22.7	2
20	16QAM	50	24	21.41	21.45	21.49		
20	16QAM	50	50	21.56	21.55	21.40		
20	16QAM	100	0	21.46	21.53	21.58		
20	64QAM	1	0	21.53	21.48	21.54	22.7	2
20	64QAM	1	49	21.41	21.55	21.48		
20	64QAM	1	99	21.41	21.60	21.38		
20	64QAM	50	0	20.51	20.64	20.55	21.7	3
20	64QAM	50	24	20.38	20.56	20.40		
20	64QAM	50	50	20.46	20.51	20.44		
20	64QAM	100	0	20.50	20.53	20.51		
20	256QAM	1	0	18.57	18.64	18.50	19.7	5
20	256QAM	1	49	18.42	18.49	18.39		
20	256QAM	1	99	18.57	18.56	18.46		
20	256QAM	50	0	18.48	18.56	18.49	19.7	5
20	256QAM	50	24	18.59	18.50	18.54		
20	256QAM	50	50	18.48	18.50	18.43		
20	256QAM	100	0	18.40	18.57	18.47		
Channel				42165	42590	43015	Tune-up limit	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	23.41	23.52	23.42	24.7	0
15	QPSK	1	37	23.26	23.48	23.34		
15	QPSK	1	74	23.36	23.45	23.37		
15	QPSK	36	0	22.52	22.52	22.50	23.7	1
15	QPSK	36	20	22.30	22.44	22.42		
15	QPSK	36	39	22.47	22.45	22.31		
15	QPSK	75	0	22.39	22.47	22.47		
15	16QAM	1	0	22.51	22.42	22.46	23.7	1
15	16QAM	1	37	22.38	22.41	22.41		
15	16QAM	1	74	22.32	22.45	22.38		
15	16QAM	36	0	21.43	21.52	21.52	22.7	2
15	16QAM	36	20	21.36	21.34	21.37		
15	16QAM	36	39	21.48	21.45	21.33		
15	16QAM	75	0	21.36	21.42	21.55		
15	64QAM	1	0	21.48	21.40	21.41	22.7	2
15	64QAM	1	37	21.31	21.52	21.41		
15	64QAM	1	74	21.35	21.56	21.35		
15	64QAM	36	0	20.46	20.56	20.47	21.7	3
15	64QAM	36	20	20.26	20.53	20.36		
15	64QAM	36	39	20.42	20.45	20.33		
15	64QAM	75	0	20.46	20.45	20.44		
15	256QAM	1	0	18.52	18.54	18.46	19.7	5
15	256QAM	1	37	18.39	18.35	18.27		
15	256QAM	1	74	18.44	18.51	18.43		
15	256QAM	36	0	18.37	18.50	18.41	19.7	5
15	256QAM	36	20	18.51	18.39	18.48		
15	256QAM	36	39	18.44	18.41	18.38		
15	256QAM	75	0	18.28	18.43	18.42		
Channel				42140	42590	43040	Tune-up limit	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	23.39	23.48	23.44	24.7	0
10	QPSK	1	25	23.27	23.39	23.37		
10	QPSK	1	49	23.35	23.36	23.39		
10	QPSK	25	0	22.45	22.53	22.39	23.7	1
10	QPSK	25	12	22.27	22.40	22.41		
10	QPSK	25	25	22.48	22.41	22.33		
10	QPSK	50	0	22.39	22.53	22.46		
10	16QAM	1	0	22.45	22.41	22.38	23.7	1
10	16QAM	1	25	22.39	22.42	22.43		
10	16QAM	1	49	22.34	22.51	22.36		
10	16QAM	25	0	21.37	21.47	21.47	22.7	2
10	16QAM	25	12	21.32	21.32	21.39		
10	16QAM	25	25	21.43	21.51	21.34		
10	16QAM	50	0	21.33	21.46	21.51		
10	64QAM	1	0	21.45	21.40	21.51	22.7	2
10	64QAM	1	25	21.35	21.45	21.38		
10	64QAM	1	49	21.30	21.58	21.34		
10	64QAM	25	0	20.39	20.51	20.47	21.7	3
10	64QAM	25	12	20.31	20.47	20.34		
10	64QAM	25	25	20.41	20.37	20.31		
10	64QAM	50	0	20.43	20.50	20.44		
10	256QAM	1	0	18.52	18.60	18.38	19.7	5
10	256QAM	1	25	18.32	18.47	18.29		
10	256QAM	1	49	18.50	18.42	18.36		
10	256QAM	25	0	18.37	18.51	18.46	19.7	5
10	256QAM	25	12	18.55	18.38	18.51		
10	256QAM	25	25	18.45	18.44	18.30		
10	256QAM	50	0	18.30	18.45	18.36		
Channel				42115	42590	43065	Tune-up limit	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	23.50	23.51	23.36	24.7	0
5	QPSK	1	12	23.29	23.40	23.34		
5	QPSK	1	24	23.40	23.39	23.37		
5	QPSK	12	0	22.44	22.45	22.44	23.7	1
5	QPSK	12	7	22.35	22.45	22.40		
5	QPSK	12	13	22.46	22.38	22.32		
5	QPSK	25	0	22.37	22.50	22.49		
5	16QAM	1	0	22.49	22.40	22.40	23.7	1
5	16QAM	1	12	22.31	22.48	22.40		
5	16QAM	1	24	22.40	22.46	22.32		
5	16QAM	12	0	21.45	21.54	21.52	22.7	2
5	16QAM	12	7	21.37	21.40	21.35		
5	16QAM	12	13	21.44	21.46	21.33		
5	16QAM	25	0	21.40	21.48	21.45		
5	64QAM	1	0	21.44	21.41	21.49	22.7	2
5	64QAM	1	12	21.32	21.51	21.40		
5	64QAM	1	24	21.31	21.57	21.25		
5	64QAM	12	0	20.40	20.61	20.46	21.7	3
5	64QAM	12	7	20.31	20.46	20.36		
5	64QAM	12	13	20.34	20.44	20.31		
5	64QAM	25	0	20.38	20.45	20.45		
5	256QAM	1	0	18.49	18.61	18.46	19.7	5
5	256QAM	1	12	18.30	18.41	18.26		
5	256QAM	1	24	18.52	18.53	18.40		
5	256QAM	12	0	18.36	18.49	18.44	19.7	5
5	256QAM	12	7	18.55	18.45	18.47		
5	256QAM	12	13	18.39	18.38	18.36		
5	256QAM	25	0	18.29	18.53	18.40		

Reduced Power Mode for DSI3_Other PA

Band 4 Ant5 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	18.92	19.05	18.98	20.2	0
20	QPSK	1	49	18.81	18.85	18.88		
20	QPSK	1	99	19.01	18.90	18.98		
20	QPSK	50	0	18.92	19.01	18.90	20.2	0
20	QPSK	50	24	18.90	18.97	18.88		
20	QPSK	50	50	18.96	18.90	18.93		
20	QPSK	100	0	18.92	18.94	18.92		
20	16QAM	1	0	18.84	18.92	18.92	20.2	0
20	16QAM	1	49	18.97	18.89	18.91		
20	16QAM	1	99	18.96	18.92	18.90		
20	16QAM	50	0	18.99	18.91	19.01	20.2	0
20	16QAM	50	24	18.94	18.89	19.00		
20	16QAM	50	50	18.96	18.81	18.95		
20	16QAM	100	0	18.81	18.93	18.92		
20	64QAM	1	0	19.01	19.01	18.97	20.2	0
20	64QAM	1	49	18.94	18.99	18.99		
20	64QAM	1	99	19.01	18.98	18.98		
20	64QAM	50	0	18.91	18.93	18.95	20.2	0
20	64QAM	50	24	18.99	19.00	18.89		
20	64QAM	50	50	18.86	18.99	18.97		
20	64QAM	100	0	18.93	18.92	18.91		
20	256QAM	1	0	16.99	16.90	16.98	18.2	2
20	256QAM	1	49	16.99	16.97	16.94		
20	256QAM	1	99	16.85	16.91	16.92		
20	256QAM	50	0	16.86	17.04	16.94	18.2	2
20	256QAM	50	24	16.89	16.93	16.89		
20	256QAM	50	50	16.99	16.95	16.98		
20	256QAM	100	0	16.91	16.86	16.90		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	18.84	18.95	18.91	20.2	0
15	QPSK	1	37	18.81	18.82	18.74		
15	QPSK	1	74	18.90	18.83	18.91		
15	QPSK	36	0	18.84	18.84	18.83	20.2	0
15	QPSK	36	20	18.79	18.83	18.79		
15	QPSK	36	39	18.80	18.95	18.85		
15	QPSK	75	0	18.77	18.93	18.81		
15	16QAM	1	0	18.77	18.80	18.78	20.2	0
15	16QAM	1	37	18.88	18.90	18.77		
15	16QAM	1	74	18.81	18.90	18.86		
15	16QAM	36	0	18.88	18.77	18.84	20.2	0
15	16QAM	36	20	18.81	18.86	18.88		
15	16QAM	36	39	18.88	18.92	18.83		
15	16QAM	75	0	18.72	18.90	18.82		
15	64QAM	1	0	18.85	18.88	18.86	20.2	0
15	64QAM	1	37	18.84	18.91	18.84		
15	64QAM	1	74	18.93	18.86	18.81		
15	64QAM	36	0	18.91	18.84	18.77	20.2	0
15	64QAM	36	20	18.88	18.84	18.76		
15	64QAM	36	39	18.71	18.85	18.86		
15	64QAM	75	0	18.84	18.90	18.83		
15	256QAM	1	0	16.90	16.83	16.87	18.2	2
15	256QAM	1	37	16.81	16.87	16.87		
15	256QAM	1	74	16.81	16.76	16.75		
15	256QAM	36	0	16.82	16.90	16.91	18.2	2
15	256QAM	36	20	16.80	16.89	16.82		
15	256QAM	36	39	16.84	16.79	16.84		
15	256QAM	75	0	16.71	16.76	16.87		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	18.82	18.93	18.91	20.2	0
10	QPSK	1	25	18.78	18.85	18.78		
10	QPSK	1	49	18.81	18.79	18.81		
10	QPSK	25	0	18.88	18.85	18.90	20.2	0
10	QPSK	25	12	18.76	18.84	18.78		
10	QPSK	25	25	18.76	18.93	18.84		
10	QPSK	50	0	18.85	18.92	18.84	20.2	0
10	16QAM	1	0	18.82	18.78	18.76		
10	16QAM	1	25	18.82	18.81	18.80		
10	16QAM	1	49	18.79	18.90	18.83		
10	16QAM	25	0	18.84	18.83	18.87	20.2	0
10	16QAM	25	12	18.84	18.77	18.86		
10	16QAM	25	25	18.90	18.95	18.90		
10	16QAM	50	0	18.75	18.80	18.74		
10	64QAM	1	0	18.86	18.84	18.85	20.2	0
10	64QAM	1	25	18.74	18.94	18.91		
10	64QAM	1	49	18.85	18.86	18.77		
10	64QAM	25	0	18.86	18.88	18.81	20.2	0
10	64QAM	25	12	18.79	18.90	18.83		
10	64QAM	25	25	18.78	18.81	18.92		
10	64QAM	50	0	18.81	18.82	18.88		
10	256QAM	1	0	16.89	16.80	16.90	18.2	2
10	256QAM	1	25	16.84	16.82	16.83		
10	256QAM	1	49	16.79	16.79	16.75		
10	256QAM	25	0	16.75	16.95	16.84	18.2	2
10	256QAM	25	12	16.78	16.84	16.79		
10	256QAM	25	25	16.86	16.79	16.91		
10	256QAM	50	0	16.83	16.80	16.83		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	18.75	18.94	18.92	20.2	0
5	QPSK	1	12	18.81	18.84	18.80		
5	QPSK	1	24	18.85	18.82	18.88		
5	QPSK	12	0	18.82	18.90	18.81	20.2	0
5	QPSK	12	7	18.81	18.87	18.83		
5	QPSK	12	13	18.86	18.87	18.89		
5	QPSK	25	0	18.83	18.84	18.78	20.2	0
5	16QAM	1	0	18.82	18.81	18.87		
5	16QAM	1	12	18.84	18.80	18.82		
5	16QAM	1	24	18.81	18.85	18.89		
5	16QAM	12	0	18.84	18.83	18.82	20.2	0
5	16QAM	12	7	18.84	18.83	18.90		
5	16QAM	12	13	18.86	18.90	18.84		
5	16QAM	25	0	18.74	18.80	18.73		
5	64QAM	1	0	18.88	18.80	18.92	20.2	0
5	64QAM	1	12	18.81	18.91	18.91		
5	64QAM	1	24	18.88	18.84	18.88		
5	64QAM	12	0	18.84	18.90	18.77	20.2	0
5	64QAM	12	7	18.82	18.94	18.77		
5	64QAM	12	13	18.70	18.86	18.89		
5	64QAM	25	0	18.86	18.85	18.88		
5	256QAM	1	0	16.90	16.85	16.89	18.2	2
5	256QAM	1	12	16.82	16.83	16.80		
5	256QAM	1	24	16.82	16.77	16.84		
5	256QAM	12	0	16.78	16.86	16.85	18.2	2
5	256QAM	12	7	16.83	16.86	16.75		
5	256QAM	12	13	16.78	16.86	16.92		
5	256QAM	25	0	16.80	16.84	16.80		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	18.79	18.90	18.89	20.2	0
3	QPSK	1	8	18.79	18.74	18.86		
3	QPSK	1	14	18.88	18.87	18.86		
3	QPSK	8	0	18.88	18.94	18.82	20.2	0
3	QPSK	8	4	18.79	18.84	18.84		
3	QPSK	8	7	18.77	18.92	18.92		
3	QPSK	15	0	18.82	18.87	18.77		
3	16QAM	1	0	18.81	18.82	18.83	20.2	0
3	16QAM	1	8	18.90	18.90	18.76		
3	16QAM	1	14	18.84	18.82	18.89		
3	16QAM	8	0	18.92	18.87	18.89	20.2	0
3	16QAM	8	4	18.88	18.77	18.93		
3	16QAM	8	7	18.87	18.87	18.87		
3	16QAM	15	0	18.81	18.82	18.74		
3	64QAM	1	0	18.84	18.84	18.84	20.2	0
3	64QAM	1	8	18.83	18.92	18.84		
3	64QAM	1	14	18.90	18.82	18.85		
3	64QAM	8	0	18.89	18.93	18.83	20.2	0
3	64QAM	8	4	18.82	18.92	18.86		
3	64QAM	8	7	18.80	18.84	18.89		
3	64QAM	15	0	18.80	18.86	18.83		
3	256QAM	1	0	16.90	16.89	16.87	18.2	2
3	256QAM	1	8	16.85	16.81	16.85		
3	256QAM	1	14	16.75	16.82	16.86		
3	256QAM	8	0	16.77	16.88	16.83	18.2	2
3	256QAM	8	4	16.79	16.92	16.81		
3	256QAM	8	7	16.84	16.80	16.81		
3	256QAM	15	0	16.80	16.87	16.81		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.77	18.87	18.93	20.2	0
1.4	QPSK	1	3	18.79	18.85	18.75		
1.4	QPSK	1	5	18.92	18.84	18.86		
1.4	QPSK	3	0	18.83	18.88	18.87		
1.4	QPSK	3	1	18.76	18.81	18.84		
1.4	QPSK	3	3	18.80	18.89	18.85		
1.4	QPSK	6	0	18.76	18.85	18.79	20.2	0
1.4	16QAM	1	0	18.84	18.76	18.80	20.2	0
1.4	16QAM	1	3	18.83	18.82	18.75		
1.4	16QAM	1	5	18.76	18.82	18.79		
1.4	16QAM	3	0	18.82	18.79	18.87		
1.4	16QAM	3	1	18.80	18.80	18.87		
1.4	16QAM	3	3	18.86	18.90	18.83		
1.4	16QAM	6	0	18.72	18.84	18.83	20.2	0
1.4	64QAM	1	0	18.83	18.85	18.86	20.2	0
1.4	64QAM	1	3	18.83	18.88	18.86		
1.4	64QAM	1	5	18.84	18.82	18.85		
1.4	64QAM	3	0	18.88	18.84	18.79		
1.4	64QAM	3	1	18.90	18.92	18.84		
1.4	64QAM	3	3	18.73	18.83	18.87		
1.4	64QAM	6	0	18.87	18.84	18.81	20.2	0
1.4	256QAM	1	0	16.93	16.77	16.88	18.2	2
1.4	256QAM	1	3	16.89	16.83	16.88		
1.4	256QAM	1	5	16.75	16.82	16.76		
1.4	256QAM	3	0	16.82	16.94	16.82		
1.4	256QAM	3	1	16.74	16.86	16.86		
1.4	256QAM	3	3	16.79	16.81	16.85		
1.4	256QAM	6	0	16.76	16.79	16.83	18.2	2

Band 7 Ant5 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.84	17.99	17.73	18.8	0
20	QPSK	1	49	17.76	17.87	17.78		
20	QPSK	1	99	17.85	17.81	17.78		
20	QPSK	50	0	17.84	17.88	17.81	18.8	0
20	QPSK	50	24	17.86	17.82	17.79		
20	QPSK	50	50	17.77	17.86	17.81		
20	QPSK	100	0	17.78	17.87	17.78		
20	16QAM	1	0	17.84	17.80	17.76	18.8	0
20	16QAM	1	49	17.80	17.80	17.76		
20	16QAM	1	99	17.84	17.81	17.72		
20	16QAM	50	0	17.76	17.81	17.80	18.8	0
20	16QAM	50	24	17.81	17.81	17.78		
20	16QAM	50	50	17.78	17.88	17.77		
20	16QAM	100	0	17.85	17.77	17.74		
20	64QAM	1	0	17.81	17.81	17.82	18.8	0
20	64QAM	1	49	17.87	17.88	17.74		
20	64QAM	1	99	17.76	17.83	17.76		
20	64QAM	50	0	17.87	17.82	17.81	18.8	0
20	64QAM	50	24	17.83	17.84	17.82		
20	64QAM	50	50	17.79	17.87	17.75		
20	64QAM	100	0	17.81	17.87	17.82		
20	256QAM	1	0	16.37	16.30	16.28	17.3	1.5
20	256QAM	1	49	16.32	16.37	16.28		
20	256QAM	1	99	16.32	16.31	16.33		
20	256QAM	50	0	16.29	16.28	16.30	17.3	1.5
20	256QAM	50	24	16.37	16.33	16.24		
20	256QAM	50	50	16.35	16.28	16.32		
20	256QAM	100	0	16.27	16.37	16.24		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	17.76	17.90	17.64	18.8	0
15	QPSK	1	37	17.70	17.80	17.71		
15	QPSK	1	74	17.70	17.71	17.73		
15	QPSK	36	0	17.77	17.78	17.74	18.8	0
15	QPSK	36	20	17.79	17.71	17.65		
15	QPSK	36	39	17.63	17.76	17.68		
15	QPSK	75	0	17.69	17.72	17.71		
15	16QAM	1	0	17.72	17.67	17.62	18.8	0
15	16QAM	1	37	17.70	17.69	17.64		
15	16QAM	1	74	17.79	17.73	17.58		
15	16QAM	36	0	17.71	17.72	17.74	18.8	0
15	16QAM	36	20	17.77	17.67	17.67		
15	16QAM	36	39	17.63	17.74	17.63		
15	16QAM	75	0	17.70	17.70	17.69		
15	64QAM	1	0	17.69	17.74	17.67	18.8	0
15	64QAM	1	37	17.74	17.79	17.63		
15	64QAM	1	74	17.63	17.71	17.64		
15	64QAM	36	0	17.77	17.77	17.73	18.8	0
15	64QAM	36	20	17.72	17.69	17.67		
15	64QAM	36	39	17.69	17.72	17.68		
15	64QAM	75	0	17.77	17.77	17.74		
15	256QAM	1	0	16.32	16.20	16.15	17.3	1.5
15	256QAM	1	37	16.27	16.24	16.19		
15	256QAM	1	74	16.18	16.24	16.22		
15	256QAM	36	0	16.24	16.12	16.18	17.3	1.5
15	256QAM	36	20	16.29	16.28	16.09		
15	256QAM	36	39	16.29	16.13	16.21		
15	256QAM	75	0	16.17	16.26	16.18		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	17.73	17.84	17.62	18.8	0
10	QPSK	1	25	17.70	17.82	17.69		
10	QPSK	1	49	17.77	17.66	17.67		
10	QPSK	25	0	17.69	17.70	17.66	18.8	0
10	QPSK	25	12	17.79	17.79	17.64		
10	QPSK	25	25	17.64	17.75	17.72		
10	QPSK	50	0	17.68	17.76	17.71	18.8	0
10	16QAM	1	0	17.75	17.71	17.70		
10	16QAM	1	25	17.68	17.69	17.70		
10	16QAM	1	49	17.78	17.66	17.65		
10	16QAM	25	0	17.71	17.76	17.66	18.8	0
10	16QAM	25	12	17.67	17.73	17.70		
10	16QAM	25	25	17.71	17.81	17.68		
10	16QAM	50	0	17.72	17.63	17.61	18.8	0
10	64QAM	1	0	17.67	17.73	17.73		
10	64QAM	1	25	17.83	17.83	17.59		
10	64QAM	1	49	17.61	17.69	17.61		
10	64QAM	25	0	17.74	17.71	17.68	18.8	0
10	64QAM	25	12	17.72	17.80	17.70		
10	64QAM	25	25	17.72	17.77	17.66		
10	64QAM	50	0	17.72	17.82	17.77	18.8	0
10	256QAM	1	0	16.30	16.19	16.14	17.3	1.5
10	256QAM	1	25	16.20	16.23	16.14		
10	256QAM	1	49	16.17	16.15	16.23		
10	256QAM	25	0	16.23	16.14	16.18	17.3	1.5
10	256QAM	25	12	16.22	16.18	16.18		
10	256QAM	25	25	16.28	16.23	16.25		
10	256QAM	50	0	16.19	16.30	16.17	17.3	1.5
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	17.70	17.94	17.58	18.8	0
5	QPSK	1	12	17.62	17.82	17.68		
5	QPSK	1	24	17.75	17.77	17.65		
5	QPSK	12	0	17.74	17.71	17.77	18.8	0
5	QPSK	12	7	17.74	17.67	17.67		
5	QPSK	12	13	17.62	17.80	17.65		
5	QPSK	25	0	17.72	17.80	17.68	18.8	0
5	16QAM	1	0	17.78	17.75	17.70		
5	16QAM	1	12	17.73	17.68	17.83		
5	16QAM	1	24	17.73	17.73	17.66		
5	16QAM	12	0	17.61	17.73	17.71	18.8	0
5	16QAM	12	7	17.67	17.73	17.68		
5	16QAM	12	13	17.67	17.76	17.67		
5	16QAM	25	0	17.73	17.62	17.59		
5	64QAM	1	0	17.72	17.68	17.77	18.8	0
5	64QAM	1	12	17.76	17.72	17.62		
5	64QAM	1	24	17.63	17.72	17.67		
5	64QAM	12	0	17.82	17.69	17.77	18.8	0
5	64QAM	12	7	17.78	17.69	17.66		
5	64QAM	12	13	17.66	17.80	17.60		
5	64QAM	25	0	17.66	17.76	17.74		
5	256QAM	1	0	16.31	16.16	16.16	17.3	1.5
5	256QAM	1	12	16.28	16.29	16.14		
5	256QAM	1	24	16.17	16.27	16.26		
5	256QAM	12	0	16.22	16.23	16.20	17.3	1.5
5	256QAM	12	7	16.31	16.23	16.08		
5	256QAM	12	13	16.31	16.16	16.25		
5	256QAM	25	0	16.12	16.31	16.15		

Band 38 Ant5 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.16	19.45	19.21	20.5	0
20	QPSK	1	49	19.15	19.40	19.20		
20	QPSK	1	99	19.15	19.42	19.20		
20	QPSK	50	0	19.14	19.43	19.18		
20	QPSK	50	24	19.14	19.42	19.18	20.5	0
20	QPSK	50	50	19.18	19.40	19.20		
20	QPSK	100	0	19.14	19.42	19.21		
20	16QAM	1	0	19.17	19.40	19.19		
20	16QAM	1	49	19.18	19.39	19.22	20.5	0
20	16QAM	1	99	19.18	19.40	19.23		
20	16QAM	50	0	19.17	19.40	19.19		
20	16QAM	50	24	19.13	19.42	19.21	20.5	0
20	16QAM	50	50	19.16	19.44	19.19		
20	16QAM	100	0	19.18	19.44	19.20		
20	64QAM	1	0	19.19	19.40	19.24		
20	64QAM	1	49	19.14	19.41	19.19	20.5	0
20	64QAM	1	99	19.14	19.42	19.21		
20	64QAM	50	0	18.17	18.40	18.22		
20	64QAM	50	24	18.14	18.39	18.22	19.5	1
20	64QAM	50	50	18.14	18.38	18.20		
20	64QAM	100	0	18.19	18.41	18.19		
20	256QAM	1	0	16.15	16.40	16.21		
20	256QAM	1	49	16.16	16.37	16.20	17.5	3
20	256QAM	1	99	16.18	16.37	16.22		
20	256QAM	50	0	16.16	16.41	16.20		
20	256QAM	50	24	16.18	16.37	16.19	17.5	3
20	256QAM	50	50	16.19	16.42	16.22		
20	256QAM	100	0	16.17	16.41	16.24		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.07	19.27	19.13	20.5	0
15	QPSK	1	37	19.05	19.31	19.10		
15	QPSK	1	74	19.03	19.30	19.09		
15	QPSK	36	0	19.03	19.32	19.07		
15	QPSK	36	20	19.05	19.32	19.08	20.5	0
15	QPSK	36	39	19.09	19.31	19.11		
15	QPSK	75	0	19.06	19.33	19.10		
15	16QAM	1	0	19.04	19.28	19.09		
15	16QAM	1	37	19.11	19.29	19.10	20.5	0
15	16QAM	1	74	19.10	19.32	19.12		
15	16QAM	36	0	19.09	19.32	19.11		
15	16QAM	36	20	19.03	19.31	19.12	20.5	0
15	16QAM	36	39	19.04	19.33	19.08		
15	16QAM	75	0	19.10	19.36	19.09		
15	64QAM	1	0	19.10	19.30	19.16		
15	64QAM	1	37	19.06	19.34	19.08	20.5	0
15	64QAM	1	74	19.05	19.32	19.12		
15	64QAM	36	0	18.04	18.29	18.10		
15	64QAM	36	20	18.01	18.30	18.11	19.5	1
15	64QAM	36	39	18.01	18.26	18.11		
15	64QAM	75	0	18.06	18.31	18.06		
15	256QAM	1	0	16.06	16.28	16.12		
15	256QAM	1	37	16.04	16.27	16.10	17.5	3
15	256QAM	1	74	16.07	16.24	16.13		
15	256QAM	36	0	16.05	16.33	16.09		
15	256QAM	36	20	16.07	16.27	16.09	17.5	3
15	256QAM	36	39	16.07	16.31	16.10		
15	256QAM	75	0	16.09	16.32	16.12		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.05	19.29	19.09	20.5	0
10	QPSK	1	25	19.07	19.29	19.09		
10	QPSK	1	49	19.04	19.31	19.08		
10	QPSK	25	0	19.02	19.30	19.09		
10	QPSK	25	12	19.08	19.31	19.11	20.5	0
10	QPSK	25	25	19.08	19.33	19.11		
10	QPSK	50	0	19.06	19.29	19.10		
10	16QAM	1	0	19.09	19.33	19.09		
10	16QAM	1	25	19.08	19.27	19.15	20.5	0
10	16QAM	1	49	19.06	19.28	19.14		
10	16QAM	25	0	19.07	19.31	19.06		
10	16QAM	25	12	19.03	19.34	19.10	20.5	0
10	16QAM	25	25	19.04	19.35	19.11		
10	16QAM	50	0	19.10	19.36	19.10		
10	64QAM	1	0	19.08	19.31	19.16		
10	64QAM	1	25	19.03	19.32	19.06	20.5	0
10	64QAM	1	49	19.03	19.32	19.09		
10	64QAM	25	0	18.04	18.30	18.11		
10	64QAM	25	12	18.05	18.29	18.11	19.5	1
10	64QAM	25	25	18.05	18.29	18.12		
10	64QAM	50	0	18.06	18.29	18.07		
10	256QAM	1	0	16.03	16.32	16.09		
10	256QAM	1	25	16.04	16.28	16.09	17.5	3
10	256QAM	1	49	16.08	16.29	16.11		
10	256QAM	25	0	16.04	16.29	16.13		
10	256QAM	25	12	16.08	16.25	16.07	17.5	3
10	256QAM	25	25	16.06	16.34	16.11		
10	256QAM	50	0	16.05	16.31	16.13		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.05	19.29	19.13	20.5	0
5	QPSK	1	12	19.04	19.29	19.12		
5	QPSK	1	24	19.02	19.32	19.12		
5	QPSK	12	0	19.04	19.28	19.09		
5	QPSK	12	7	19.06	19.35	19.10	20.5	0
5	QPSK	12	13	19.09	19.32	19.10		
5	QPSK	25	0	19.03	19.34	19.09		
5	16QAM	1	0	19.05	19.30	19.09		
5	16QAM	1	12	19.07	19.27	19.13	20.5	0
5	16QAM	1	24	19.10	19.28	19.13		
5	16QAM	12	0	19.06	19.28	19.09		
5	16QAM	12	7	19.04	19.29	19.12	20.5	0
5	16QAM	12	13	19.09	19.37	19.09		
5	16QAM	25	0	19.11	19.32	19.12		
5	64QAM	1	0	19.07	19.28	19.14		
5	64QAM	1	12	19.07	19.32	19.06	20.5	0
5	64QAM	1	24	19.02	19.32	19.11		
5	64QAM	12	0	18.09	18.30	18.13		
5	64QAM	12	7	18.02	18.27	18.14	19.5	1
5	64QAM	12	13	18.03	18.27	18.08		
5	64QAM	25	0	18.09	18.34	18.10		
5	256QAM	1	0	16.05	16.30	16.10		
5	256QAM	1	12	16.03	16.27	16.12	17.5	3
5	256QAM	1	24	16.07	16.30	16.11		
5	256QAM	12	0	16.08	16.30	16.09		
5	256QAM	12	7	16.08	16.30	16.07	17.5	3
5	256QAM	12	13	16.08	16.31	16.11		
5	256QAM	25	0	16.07	16.29	16.11		

Band 41 Ant5 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.85	17.89	17.99	17.82	17.92	19	0
20	QPSK	1	49	17.94	17.85	17.97	17.84	17.93		
20	QPSK	1	99	17.90	17.85	17.95	17.81	17.95		
20	QPSK	50	0	17.87	17.88	17.98	17.91	17.96		
20	QPSK	50	24	17.93	17.83	17.89	17.82	17.85		
20	QPSK	50	50	17.92	17.89	17.96	17.87	17.90		
20	QPSK	100	0	17.91	17.87	17.93	17.90	17.92		
20	16QAM	1	0	17.85	17.86	17.87	17.86	17.96		
20	16QAM	1	49	17.90	17.93	17.98	17.89	17.94	19	0
20	16QAM	1	99	17.84	17.82	17.88	17.82	17.87		
20	16QAM	50	0	17.89	17.82	17.97	17.91	17.87		
20	16QAM	50	24	17.90	17.91	17.87	17.83	17.96	19	0
20	16QAM	50	50	17.92	17.86	17.97	17.89	17.86		
20	16QAM	100	0	17.88	17.87	17.88	17.88	17.96		
20	64QAM	1	0	17.94	17.82	17.86	17.83	17.89		
20	64QAM	1	49	17.93	17.88	17.98	17.86	17.92	19	0
20	64QAM	1	99	17.91	17.87	17.91	17.88	17.87		
20	64QAM	50	0	17.95	17.81	17.94	17.84	17.91		
20	64QAM	50	24	17.85	17.89	17.90	17.81	17.94	19	0
20	64QAM	50	50	17.85	17.88	17.91	17.90	17.90		
20	64QAM	100	0	17.95	17.82	17.89	17.83	17.86		
20	256QAM	1	0	16.44	16.37	16.39	16.40	16.40		
20	256QAM	1	49	16.35	16.32	16.44	16.34	16.40	17.5	1.5
20	256QAM	1	99	16.43	16.36	16.43	16.33	16.42		
20	256QAM	50	0	16.39	16.33	16.44	16.35	16.36		
20	256QAM	50	24	16.40	16.33	16.38	16.32	16.35	17.5	1.5
20	256QAM	50	50	16.36	16.40	16.46	16.33	16.40		
20	256QAM	100	0	16.42	16.42	16.45	16.39	16.36		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	17.75	17.80	17.79	17.71	17.81	19	0
15	QPSK	1	37	17.84	17.79	17.87	17.74	17.78		
15	QPSK	1	74	17.79	17.80	17.85	17.70	17.86		
15	QPSK	36	0	17.75	17.79	17.84	17.75	17.88		
15	QPSK	36	20	17.77	17.78	17.75	17.70	17.75	19	0
15	QPSK	36	39	17.83	17.74	17.89	17.74	17.79		
15	QPSK	75	0	17.80	17.72	17.79	17.82	17.82		
15	16QAM	1	0	17.80	17.73	17.83	17.71	17.86		
15	16QAM	1	37	17.85	17.80	17.85	17.76	17.88	19	0
15	16QAM	1	74	17.73	17.71	17.80	17.70	17.77		
15	16QAM	36	0	17.77	17.66	17.90	17.83	17.72		
15	16QAM	36	20	17.80	17.86	17.82	17.72	17.86	19	0
15	16QAM	36	39	17.85	17.77	17.91	17.82	17.79		
15	16QAM	75	0	17.74	17.74	17.74	17.77	17.81		
15	64QAM	1	0	17.83	17.70	17.71	17.75	17.78		
15	64QAM	1	37	17.81	17.83	17.86	17.75	17.78	19	0
15	64QAM	1	74	17.81	17.78	17.84	17.76	17.77		
15	64QAM	36	0	17.84	17.72	17.79	17.72	17.81		
15	64QAM	36	20	17.80	17.77	17.74	17.76	17.89	19	0
15	64QAM	36	39	17.72	17.82	17.84	17.83	17.85		
15	64QAM	75	0	17.87	17.75	17.74	17.74	17.76		
15	256QAM	1	0	16.30	16.28	16.27	16.30	16.35		
15	256QAM	1	37	16.20	16.24	16.30	16.27	16.32	17.5	1.5
15	256QAM	1	74	16.34	16.26	16.34	16.24	16.30		
15	256QAM	36	0	16.29	16.24	16.38	16.20	16.28		
15	256QAM	36	20	16.27	16.26	16.34	16.25	16.22	17.5	1.5
15	256QAM	36	39	16.21	16.27	16.39	16.17	16.33		
15	256QAM	75	0	16.31	16.34	16.32	16.28	16.29		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	17.75	17.80	17.82	17.76	17.81	19	0
10	QPSK	1	25	17.87	17.78	17.91	17.68	17.82		
10	QPSK	1	49	17.78	17.70	17.85	17.71	17.85		
10	QPSK	25	0	17.82	17.81	17.87	17.81	17.86		
10	QPSK	25	12	17.76	17.76	17.75	17.87	17.70	19	0
10	QPSK	25	25	17.85	17.93	17.92	17.77	17.76		
10	QPSK	50	0	17.76	17.76	17.75	17.80	17.82		
10	16QAM	1	0	17.76	17.72	17.82	17.73	17.89		
10	16QAM	1	25	17.79	17.87	17.82	17.81	17.80	19	0
10	16QAM	1	49	17.73	17.75	17.76	17.68	17.77		
10	16QAM	25	0	17.83	17.67	17.86	17.80	17.72		
10	16QAM	25	12	17.80	17.76	17.78	17.71	17.91	19	0
10	16QAM	25	25	17.83	17.81	17.90	17.82	17.82		
10	16QAM	50	0	17.82	17.77	17.76	17.83	17.83		
10	64QAM	1	0	17.84	17.76	17.78	17.78	17.81		
10	64QAM	1	25	17.86	17.83	17.84	17.77	17.78	19	0
10	64QAM	1	49	17.80	17.80	17.81	17.83	17.75		
10	64QAM	25	0	17.89	17.73	17.83	17.70	17.83		
10	64QAM	25	12	17.75	17.77	17.81	17.70	17.86	19	0
10	64QAM	25	25	17.76	17.77	17.86	17.85	17.85		
10	64QAM	50	0	17.88	17.76	17.77	17.76	17.73		
10	256QAM	1	0	16.28	16.32	16.27	16.28	16.36		
10	256QAM	1	25	16.29	16.22	16.38	16.29	16.25	17.5	1.5
10	256QAM	1	49	16.30	16.25	16.29	16.25	16.28		
10	256QAM	25	0	16.25	16.19	16.33	16.29	16.21		
10	256QAM	25	12	16.31	16.19	16.26	16.25	16.30	17.5	1.5
10	256QAM	25	25	16.30	16.34	16.35	16.18	16.30		
10	256QAM	50	0	16.31	16.26	16.33	16.33	16.20		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	17.71	17.74	17.82	17.75	17.80	19	0
5	QPSK	1	12	17.90	17.72	17.82	17.79	17.82		
5	QPSK	1	24	17.84	17.74	17.79	17.72	17.81		
5	QPSK	12	0	17.75	17.72	17.84	17.85	17.86		
5	QPSK	12	7	17.81	17.75	17.85	17.71	17.75	19	0
5	QPSK	12	13	17.78	17.78	17.89	17.80	17.77		
5	QPSK	25	0	17.86	17.82	17.77	17.86	17.86		
5	16QAM	1	0	17.76	17.79	17.72	17.79	17.83		
5	16QAM	1	12	17.84	17.79	17.94	17.84	17.85	19	0
5	16QAM	1	24	17.72	17.70	17.79	17.70	17.75		
5	16QAM	12	0	17.78	17.67	17.82	17.83	17.83		
5	16QAM	12	7	17.83	17.77	17.78	17.76	17.83	19	0
5	16QAM	12	13	17.77	17.72	17.91	17.75	17.82		
5	16QAM	25	0	17.78	17.79	17.73	17.77	17.82		
5	64QAM	1	0	17.84	17.69	17.78	17.67	17.82		
5	64QAM	1	12	17.82	17.81	17.84	17.73	17.83	19	0
5	64QAM	1	24	17.81	17.73	17.81	17.81	17.78		
5	64QAM	12	0	17.79	17.70	17.82	17.71	17.80		
5	64QAM	12	7	17.74	17.78	17.81	17.69	17.82	19	0
5	64QAM	12	13	17.78	17.75	17.85	17.81	17.82		
5	64QAM	25	0	17.83	17.73	17.76	17.70	17.72		
5	256QAM	1	0	16.30	16.22	16.33	16.29	16.35		
5	256QAM	1	12	16.25	16.21	16.28	16.18	16.26	17.5	1.5
5	256QAM	1	24	16.32	16.25	16.29	16.19	16.31		
5	256QAM	12	0	16.35	16.22	16.29	16.24	16.21		
5	256QAM	12	7	16.26	16.19	16.28	16.26	16.21	17.5	1.5
5	256QAM	12	13	16.22	16.29	16.36	16.25	16.34		
5	256QAM	25	0	16.33	16.33	16.38	16.24	16.28		

Band 42 Ant5 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	17.45	17.59	17.51	18.9	0
20	QPSK	1	49	17.46	17.51	17.45		
20	QPSK	1	99	17.54	17.48	17.52		
20	QPSK	50	0	17.56	17.58	17.54		
20	QPSK	50	24	17.49	17.57	17.51		
20	QPSK	50	50	17.53	17.53	17.49		
20	QPSK	100	0	17.50	17.56	17.43		
20	16QAM	1	0	17.51	17.52	17.47		
20	16QAM	1	49	17.56	17.57	17.51	18.9	0
20	16QAM	1	99	17.51	17.48	17.47		
20	16QAM	50	0	17.52	17.55	17.46		
20	16QAM	50	24	17.50	17.49	17.47	18.9	0
20	16QAM	50	50	17.47	17.47	17.55		
20	16QAM	100	0	17.53	17.50	17.45		
20	64QAM	1	0	17.53	17.47	17.44		
20	64QAM	1	49	17.48	17.49	17.53	18.9	0
20	64QAM	1	99	17.48	17.46	17.55		
20	64QAM	50	0	17.47	17.55	17.53		
20	64QAM	50	24	17.47	17.51	17.49	18.9	0
20	64QAM	50	50	17.46	17.52	17.52		
20	64QAM	100	0	17.44	17.49	17.47		
20	256QAM	1	0	17.47	17.54	17.45		
20	256QAM	1	49	17.47	17.45	17.45	18.9	0
20	256QAM	1	99	17.50	17.56	17.48		
20	256QAM	50	0	17.53	17.55	17.44		
20	256QAM	50	24	17.45	17.46	17.50	18.9	0
20	256QAM	50	50	17.55	17.51	17.50		
20	256QAM	100	0	17.54	17.52	17.50		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	17.34	17.47	17.45	18.9	0
15	QPSK	1	37	17.31	17.37	17.30		
15	QPSK	1	74	17.39	17.42	17.39		
15	QPSK	36	0	17.51	17.45	17.46		
15	QPSK	36	20	17.37	17.53	17.38	18.9	0
15	QPSK	36	39	17.47	17.40	17.42		
15	QPSK	75	0	17.35	17.50	17.37		
15	16QAM	1	0	17.46	17.44	17.42		
15	16QAM	1	37	17.46	17.42	17.39	18.9	0
15	16QAM	1	74	17.39	17.33	17.40		
15	16QAM	36	0	17.37	17.48	17.31		
15	16QAM	36	20	17.35	17.43	17.37	18.9	0
15	16QAM	36	39	17.32	17.39	17.50		
15	16QAM	75	0	17.47	17.35	17.34		
15	64QAM	1	0	17.40	17.41	17.40		
15	64QAM	1	37	17.39	17.34	17.47	18.9	0
15	64QAM	1	74	17.40	17.30	17.46		
15	64QAM	36	0	17.33	17.49	17.46		
15	64QAM	36	20	17.32	17.38	17.38	18.9	0
15	64QAM	36	39	17.40	17.47	17.47		
15	64QAM	75	0	17.37	17.42	17.36		
15	256QAM	1	0	17.39	17.48	17.30		
15	256QAM	1	37	17.38	17.31	17.37	18.9	0
15	256QAM	1	74	17.43	17.48	17.36		
15	256QAM	36	0	17.49	17.50	17.31		
15	256QAM	36	20	17.32	17.42	17.35	18.9	0
15	256QAM	36	39	17.45	17.45	17.43		
15	256QAM	75	0	17.47	17.46	17.44		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	17.38	17.38	17.41	18.9	0
10	QPSK	1	25	17.42	17.43	17.35		
10	QPSK	1	49	17.46	17.36	17.47		
10	QPSK	25	0	17.42	17.44	17.42		
10	QPSK	25	12	17.36	17.51	17.46	18.9	0
10	QPSK	25	25	17.43	17.39	17.37		
10	QPSK	50	0	17.37	17.40	17.35		
10	16QAM	1	0	17.47	17.45	17.41		
10	16QAM	1	25	17.42	17.49	17.39	18.9	0
10	16QAM	1	49	17.39	17.38	17.40		
10	16QAM	25	0	17.43	17.45	17.33		
10	16QAM	25	12	17.35	17.36	17.41	18.9	0
10	16QAM	25	25	17.32	17.39	17.44		
10	16QAM	50	0	17.41	17.37	17.33		
10	64QAM	1	0	17.43	17.32	17.29		
10	64QAM	1	25	17.43	17.44	17.45	18.9	0
10	64QAM	1	49	17.39	17.31	17.47		
10	64QAM	25	0	17.32	17.47	17.43		
10	64QAM	25	12	17.40	17.41	17.41	18.9	0
10	64QAM	25	25	17.33	17.37	17.39		
10	64QAM	50	0	17.29	17.34	17.32		
10	256QAM	1	0	17.39	17.48	17.39		
10	256QAM	1	25	17.41	17.31	17.35	18.9	0
10	256QAM	1	49	17.38	17.48	17.33		
10	256QAM	25	0	17.41	17.47	17.33		
10	256QAM	25	12	17.34	17.38	17.40	18.9	0
10	256QAM	25	25	17.44	17.46	17.39		
10	256QAM	50	0	17.40	17.46	17.39		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	17.32	17.45	17.42	18.9	0
5	QPSK	1	12	17.34	17.45	17.33		
5	QPSK	1	24	17.47	17.39	17.40		
5	QPSK	12	0	17.42	17.49	17.44		
5	QPSK	12	7	17.43	17.45	17.37	18.9	0
5	QPSK	12	13	17.41	17.44	17.41		
5	QPSK	25	0	17.39	17.48	17.28		
5	16QAM	1

Band 4 Ant4 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.94	21.13	20.94		
20	QPSK	1	49	20.96	21.06	21.02	22.6	0
20	QPSK	1	99	20.97	21.02	20.92		
20	QPSK	50	0	20.90	21.08	20.99		
20	QPSK	50	24	20.99	21.05	21.04	22.6	0
20	QPSK	50	50	20.94	21.00	20.97		
20	QPSK	100	0	20.92	21.02	20.99		
20	16QAM	1	0	20.96	21.05	20.99		
20	16QAM	1	49	20.92	21.11	20.94	22.6	0
20	16QAM	1	99	21.01	21.07	21.00		
20	16QAM	50	0	20.95	21.05	20.96		
20	16QAM	50	24	21.01	21.03	21.00	22.6	0
20	16QAM	50	50	20.96	21.08	20.95		
20	16QAM	100	0	20.95	21.06	20.93		
20	64QAM	1	0	20.97	21.08	21.00		
20	64QAM	1	49	20.98	20.99	21.01	22.6	0
20	64QAM	1	99	20.95	21.05	20.93		
20	64QAM	50	0	20.93	21.02	21.01		
20	64QAM	50	24	20.98	21.06	21.03	22.6	0
20	64QAM	50	50	20.93	21.07	21.00		
20	64QAM	100	0	20.98	21.04	20.98		
20	256QAM	1	0	18.99	19.01	18.94		
20	256QAM	1	49	19.00	19.05	18.96	20.6	2
20	256QAM	1	99	18.92	19.01	18.96		
20	256QAM	50	0	18.98	19.05	18.98		
20	256QAM	50	24	18.94	19.01	19.03	20.6	2
20	256QAM	50	50	18.94	19.06	18.98		
20	256QAM	100	0	18.93	19.05	18.96		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.80	21.01	20.89		
15	QPSK	1	37	20.83	20.97	20.97	22.6	0
15	QPSK	1	74	20.82	20.89	20.77		
15	QPSK	36	0	20.77	20.89	20.84		
15	QPSK	36	20	20.89	20.92	20.97	22.6	0
15	QPSK	36	39	20.83	20.86	20.83		
15	QPSK	75	0	20.87	21.04	20.87		
15	16QAM	1	0	20.81	20.94	20.95		
15	16QAM	1	37	20.81	21.02	20.79	22.6	0
15	16QAM	1	74	20.95	20.96	20.86		
15	16QAM	36	0	20.91	20.97	20.88		
15	16QAM	36	20	20.90	20.95	20.95	22.6	0
15	16QAM	36	39	20.81	21.01	20.82		
15	16QAM	75	0	20.83	20.99	20.80		
15	64QAM	1	0	20.82	20.94	20.95		
15	64QAM	1	37	20.91	20.88	20.88	22.6	0
15	64QAM	1	74	20.89	20.91	20.89		
15	64QAM	36	0	20.80	20.87	20.93		
15	64QAM	36	20	20.93	20.97	20.93	22.6	0
15	64QAM	36	39	20.78	20.95	20.90		
15	64QAM	75	0	20.89	20.95	20.85		
15	256QAM	1	0	18.89	18.92	18.78		
15	256QAM	1	37	18.91	18.99	18.81	20.6	2
15	256QAM	1	74	18.76	18.96	18.89		
15	256QAM	36	0	18.89	18.96	18.82		
15	256QAM	36	20	18.85	18.93	18.99	20.6	2
15	256QAM	36	39	18.78	19.01	18.94		
15	256QAM	75	0	18.79	18.99	18.92		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.85	20.96	20.84		
10	QPSK	1	25	20.83	21.01	20.94	22.6	0
10	QPSK	1	49	20.92	20.92	20.88		
10	QPSK	25	0	20.84	20.86	20.90		
10	QPSK	25	12	20.92	21.00	20.90	22.6	0
10	QPSK	25	25	20.88	20.97	20.86		
10	QPSK	50	0	20.82	21.03	20.90		
10	16QAM	1	0	20.84	20.91	20.87		
10	16QAM	1	25	20.83	21.06	20.86	22.6	0
10	16QAM	1	49	20.89	20.98	20.86		
10	16QAM	25	0	20.80	20.91	20.91		
10	16QAM	25	12	20.96	20.95	20.86	22.6	0
10	16QAM	25	25	20.90	20.93	20.79		
10	16QAM	50	0	20.84	20.95	20.87		
10	64QAM	1	0	20.84	21.01	20.92		
10	64QAM	1	25	20.86	20.91	20.85	22.6	0
10	64QAM	1	49	20.83	20.97	20.79		
10	64QAM	25	0	20.79	20.87	20.89		
10	64QAM	25	12	20.85	21.03	20.92	22.6	0
10	64QAM	25	25	20.86	20.94	20.96		
10	64QAM	50	0	20.88	20.91	20.93		
10	256QAM	1	0	18.84	18.89	18.80		
10	256QAM	1	25	18.92	18.94	18.85	20.6	2
10	256QAM	1	49	18.82	18.95	18.82		
10	256QAM	25	0	18.82	18.93	18.93		
10	256QAM	25	12	18.88	18.90	18.99	20.6	2
10	256QAM	25	25	18.80	18.92	18.87		
10	256QAM	50	0	18.89	18.90	18.86		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.83	20.98	20.81		
5	QPSK	1	12	20.82	20.92	20.90	22.6	0
5	QPSK	1	24	20.91	20.89	20.86		
5	QPSK	12	0	20.84	20.88	20.84		
5	QPSK	12	7	20.88	20.96	20.98	22.6	0
5	QPSK	12	13	20.85	20.92	20.89		
5	QPSK	25	0	20.79	20.96	20.94		
5	16QAM	1	0	20.87	21.00	20.85		
5	16QAM	1	12	20.82	21.05	20.85	22.6	0
5	16QAM	1	24	20.91	21.02	20.96		
5	16QAM	12	0	20.83	20.89	20.90		
5	16QAM	12	7	20.96	20.92	20.85	22.6	0
5	16QAM	12	13	20.81	21.03	20.80		
5	16QAM	25	0	20.88	20.90	20.77		
5	64QAM	1	0	20.92	21.00	20.86		
5	64QAM	1	12	20.91	20.86	20.86	22.6	0
5	64QAM	1	24	20.87	20.98	20.78		
5	64QAM	12	0	20.87	20.86	20.91		
5	64QAM	12	7	20.90	21.00	20.96	22.6	0
5	64QAM	12	13	20.84	20.98	20.84		
5	64QAM	25	0	20.84	20.96	20.93		
5	256QAM	1	0	18.93	18.90	18.84		
5	256QAM	1	12	18.90	18.98	18.87	20.6	2
5	256QAM	1	24	18.76	18.92	18.82		
5	256QAM	12	0	18.85	18.98	18.84		
5	256QAM	12	7	18.82	18.85	18.89	20.6	2
5	256QAM	12	13	18.79	19.01	18.87		
5	256QAM	25	0	18.81	19.00	18.92		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.88	21.00	20.84		
3	QPSK	1	8	20.91	20.91	20.91	22.6	0
3	QPSK	1	14	20.82	20.91	20.80		
3	QPSK	8	0	20.79	20.92	20.89		
3	QPSK	8	4	20.95	20.97	20.99	22.6	0
3	QPSK	8	7	20.80	20.89	20.82		
3	QPSK	15	0	20.77	21.05	20.90		
3	16QAM	1	0	20.89	20.91	20.86		
3	16QAM	1	8	20.80	21.03	20.83	22.6	0
3	16QAM	1	14	20.88	20.99	20.91		
3	16QAM	8	0	20.82	20.99	20.92		
3	16QAM	8	4	20.90	20.96	20.89	22.6	0
3	16QAM	8	7	20.89	20.98	20.87		
3	16QAM	15	0	20.81	20.95	20.79		
3	64QAM	1	0	20.93	21.02	20.87		
3	64QAM	1	8	20.87	20.86	20.94	22.6	0
3	64QAM	1	14	20.80	20.92	20.83		
3	64QAM	8	0	20.87	20.97	20.94		
3	64QAM	8	4	20.88	20.97	20.94	22.6	0
3	64QAM	8	7	20.82	20.94	20.90		
3	64QAM	15	0	20.85	21.00	20.90		
3	256QAM	1	0	18.85	18.96	18.88		
3	256QAM	1	8	18.93	19.00	18.88	20.6	2
3	256QAM	1	14	18.76	18.85	18.82		
3	256QAM	8	0	18.87	18.93	18.93		
3	256QAM	8	4	18.85	18.93	18.99	20.6	2
3	256QAM	8	7	18.88	18.96	18.86		
3	256QAM	15	0	18.80	18.89	18.85		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.82	20.97	20.87		
1.4	QPSK	1	3	20.90	20.96	20.92		
1.4	QPSK	1	5	20.81	20.92	20.84	22.6	0
1.4	QPSK	3	0	20.75	20.88	20.85		
1.4	QPSK	3	1	20.85	20.92	20.98		
1.4	QPSK	3	3	20.80	20.93	20.83		
1.4	QPSK	6	0	20.81	20.98	20.91	22.6	0
1.4	16QAM	1	0	20.92	20.93	20.90		
1.4	16QAM	1	3	20.86	20.96	20.80		
1.4	16QAM	1	5	20.88	20.96	20.88	22.6	0
1.4	16QAM	3	0	20.85	20.98	20.90		
1.4	16QAM	3	1	20.97	20.89	20.90		
1.4	16QAM	3	3	20.89	20.98	20.84		
1.4	16QAM	6	0	20.85	20.96	20.86	22.6	0
1.4	64QAM	1	0	20.87	20.93	20.92		
1.4	64QAM	1	3	20.86	20.85	20.87		
1.4	64QAM	1	5	20.83	20.98	20.87	22.6	0
1.4	64QAM	3	0	20.82	20.92	20.93		
1.4	64QAM	3	1	20.90	21.01	20.96		
1.4	64QAM	3	3	20.83	21.00	20.86		
1.4	64QAM	6	0	20.84	20.93	20.85	22.6	0
1.4	256QAM	1	0	18.92	18.89	18.85		
1.4	256QAM	1	3	18.89	18.97	18.90		
1.4	256QAM	1	5	18.77	18.90	18.84	20.6	2
1.4	256QAM	3	0	18.87	18.99	18.88		
1.4	256QAM	3	1	18.89	18.89	18.88		
1.4	256QAM	3	3	18.79	18.95	18.93		
1.4	256QAM	6	0	18.83	18.94	18.84	20.6	2

Band 7 Ant4 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.49	18.69	18.67		
20	QPSK	1	49	18.58	18.65	18.59	20	0
20	QPSK	1	99	18.55	18.63	18.58		
20	QPSK	50	0	18.60	18.68	18.56		
20	QPSK	50	24	18.59	18.58	18.60	20	0
20	QPSK	50	50	18.52	18.58	18.60		
20	QPSK	100	0	18.52	18.66	18.56		
20	16QAM	1	0	18.58	18.63	18.59		
20	16QAM	1	49	18.50	18.60	18.61	20	0
20	16QAM	1	99	18.53	18.65	18.62		
20	16QAM	50	0	18.54	18.61	18.66		
20	16QAM	50	24	18.57	18.66	18.56	20	0
20	16QAM	50	50	18.54	18.57	18.61		
20	16QAM	100	0	18.57	18.64	18.63		
20	64QAM	1	0	18.49	18.58	18.65		
20	64QAM	1	49	18.54	18.67	18.55	20	0
20	64QAM	1	99	18.54	18.59	18.62		
20	64QAM	50	0	18.55	18.59	18.57		
20	64QAM	50	24	18.58	18.68	18.56	20	0
20	64QAM	50	50	18.58	18.59	18.63		
20	64QAM	100	0	18.56	18.67	18.62		
20	256QAM	1	0	17.99	18.12	18.10		
20	256QAM	1	49	18.04	18.09	18.12	19.5	0.5
20	256QAM	1	99	18.00	18.09	18.09		
20	256QAM	50	0	18.08	18.09	18.08		
20	256QAM	50	24	18.02	18.15	18.09	19.5	0.5
20	256QAM	50	50	18.01	18.12	18.11		
20	256QAM	100	0	18.02	18.06	18.11		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.40	18.51	18.60		
15	QPSK	1	37	18.46	18.55	18.51	20	0
15	QPSK	1	74	18.46	18.47	18.42		
15	QPSK	36	0	18.49	18.55	18.49		
15	QPSK	36	20	18.51	18.51	18.44	20	0
15	QPSK	36	39	18.45	18.47	18.52		
15	QPSK	75	0	18.41	18.52	18.51		
15	16QAM	1	0	18.52	18.49	18.48		
15	16QAM	1	37	18.46	18.55	18.46	20	0
15	16QAM	1	74	18.40	18.54	18.57		
15	16QAM	36	0	18.46	18.55	18.55		
15	16QAM	36	20	18.48	18.54	18.45	20	0
15	16QAM	36	39	18.44	18.43	18.48		
15	16QAM	75	0	18.47	18.56	18.57		
15	64QAM	1	0	18.40	18.50	18.57		
15	64QAM	1	37	18.44	18.56	18.51	20	0
15	64QAM	1	74	18.38	18.44	18.57		
15	64QAM	36	0	18.44	18.51	18.43		
15	64QAM	36	20	18.47	18.59	18.51	20	0
15	64QAM	36	39	18.50	18.53	18.59		
15	64QAM	75	0	18.51	18.54	18.58		
15	256QAM	1	0	17.90	18.07	17.95		
15	256QAM	1	37	17.99	17.96	18.06	19.5	0.5
15	256QAM	1	74	17.91	17.93	18.04		
15	256QAM	36	0	17.98	18.04	17.93		
15	256QAM	36	20	17.87	18.11	17.99	19.5	0.5
15	256QAM	36	39	17.97	17.97	18.01		
15	256QAM	75	0	17.93	18.01	18.03		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.41	18.50	18.57		
10	QPSK	1	25	18.47	18.53	18.44	20	0
10	QPSK	1	49	18.44	18.47	18.46		
10	QPSK	25	0	18.51	18.59	18.41		
10	QPSK	25	12	18.47	18.46	18.51	20	0
10	QPSK	25	25	18.37	18.54	18.50		
10	QPSK	50	0	18.46	18.55	18.41		
10	16QAM	1	0	18.53	18.58	18.55		
10	16QAM	1	25	18.35	18.55	18.51	20	0
10	16QAM	1	49	18.44	18.54	18.58		
10	16QAM	25	0	18.42	18.57	18.52		
10	16QAM	25	12	18.43	18.52	18.50	20	0
10	16QAM	25	25	18.49	18.53	18.47		
10	16QAM	50	0	18.42	18.57	18.57		
10	64QAM	1	0	18.38	18.42	18.59		
10	64QAM	1	25	18.46	18.57	18.44	20	0
10	64QAM	1	49	18.44	18.46	18.55		
10	64QAM	25	0	18.46	18.51	18.50		
10	64QAM	25	12	18.49	18.63	18.49	20	0
10	64QAM	25	25	18.54	18.54	18.51		
10	64QAM	50	0	18.52	18.56	18.48		
10	256QAM	1	0	17.90	18.01	18.06		
10	256QAM	1	25	17.92	18.00	17.99	19.5	0.5
10	256QAM	1	49	17.84	18.04	17.96		
10	256QAM	25	0	17.94	17.93	18.00		
10	256QAM	25	12	17.92	18.09	17.98	19.5	0.5
10	256QAM	25	25	17.89	18.01	17.99		
10	256QAM	50	0	17.97	17.97	17.97		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.43	18.50	18.60		
5	QPSK	1	12	18.44	18.49	18.54	20	0
5	QPSK	1	24	18.50	18.56	18.43		
5	QPSK	12	0	18.46	18.61	18.51		
5	QPSK	12	7	18.59	18.50	18.50	20	0
5	QPSK	12	13	18.42	18.50	18.54		
5	QPSK	25	0	18.39	18.53	18.48		
5	16QAM	1	0	18.48	18.54	18.46		
5	16QAM	1	12	18.38	18.52	18.56	20	0
5	16QAM	1	24	18.44	18.56	18.52		
5	16QAM	12	0	18.43	18.57	18.59		
5	16QAM	12	7	18.46	18.61	18.42	20	0
5	16QAM	12	13	18.43	18.43	18.46		
5	16QAM	25	0	18.42	18.49	18.59		
5	64QAM	1	0	18.34	18.43	18.58		
5	64QAM	1	12	18.41	18.54	18.44	20	0
5	64QAM	1	24	18.45	18.54	18.54		
5	64QAM	12	0	18.45	18.45	18.47		
5	64QAM	12	7	18.44	18.61	18.42	20	0
5	64QAM	12	13	18.51	18.45	18.53		
5	64QAM	25	0	18.48	18.60	18.58		
5	256QAM	1	0	17.89	18.01	18.01		
5	256QAM	1	12	17.95	18.01	17.97	19.5	0.5
5	256QAM	1	24	17.91	18.02	17.96		
5	256QAM	12	0	18.03	17.99	17.96		
5	256QAM	12	7	17.98	18.02	17.96	19.5	0.5
5	256QAM	12	13	17.85	18.04	18.03		
5	256QAM	25	0	17.93	17.92	17.98		

Band 66 Ant4 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	20.86	21.13	20.86		
20	QPSK	1	49	20.84	20.98	20.82	22.6	0
20	QPSK	1	99	20.79	21.01	20.80		
20	QPSK	50	0	20.95	21.10	20.86		
20	QPSK	50	24	20.86	21.09	20.92	22.6	0
20	QPSK	50	50	20.92	20.92	20.95		
20	QPSK	100	0	20.88	21.04	20.86		
20	16QAM	1	0	20.94	20.92	20.89		
20	16QAM	1	49	20.97	21.07	20.86	22.6	0
20	16QAM	1	99	20.98	21.06	20.87		
20	16QAM	50	0	20.87	20.94	20.75		
20	16QAM	50	24	20.88	21.01	20.88	22.6	0
20	16QAM	50	50	20.93	21.01	20.83		
20	16QAM	100	0	21.00	21.06	20.75		
20	64QAM	1	0	20.94	21.09	20.79		
20	64QAM	1	49	20.83	21.09	20.77	22.6	0
20	64QAM	1	99	20.89	21.00	20.82		
20	64QAM	50	0	20.88	21.07	20.90		
20	64QAM	50	24	20.92	20.94	20.83	22.6	0
20	64QAM	50	50	20.80	21.09	20.77		
20	64QAM	100	0	20.89	21.08	20.86		
20	256QAM	1	0	18.94	19.07	18.85		
20	256QAM	1	49	18.97	18.93	18.88	20.6	2
20	256QAM	1	99	18.89	18.94	18.86		
20	256QAM	50	0	18.98	19.04	18.86		
20	256QAM	50	24	18.79	19.07	18.85	20.6	2
20	256QAM	50	50	18.95	19.10	18.85		
20	256QAM	100	0	18.84	19.05	18.93		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.77	21.02	20.79		
15	QPSK	1	37	20.80	20.81	20.74	22.6	0
15	QPSK	1	74	20.77	20.83	20.69		
15	QPSK	36	0	20.76	20.96	20.66		
15	QPSK	36	20	20.73	20.91	20.75	22.6	0
15	QPSK	36	39	20.88	20.82	20.84		
15	QPSK	75	0	20.74	21.01	20.70		
15	16QAM	1	0	20.84	20.92	20.86		
15	16QAM	1	37	20.85	20.90	20.75	22.6	0
15	16QAM	1	74	20.87	20.90	20.76		
15	16QAM	36	0	20.75	20.87	20.71		
15	16QAM	36	20	20.77	20.91	20.79	22.6	0
15	16QAM	36	39	20.83	20.95	20.67		
15	16QAM	75	0	20.88	20.89	20.64		
15	64QAM	1	0	20.77	20.96	20.66		
15	64QAM	1	37	20.80	20.96	20.75	22.6	0
15	64QAM	1	74	20.83	20.86	20.73		
15	64QAM	36	0	20.80	20.89	20.81		
15	64QAM	36	20	20.88	20.90	20.74	22.6	0
15	64QAM	36	39	20.79	20.91	20.74		
15	64QAM	75	0	20.82	20.93	20.83		
15	256QAM	1	0	18.81	19.00	18.68		
15	256QAM	1	37	18.81	18.88	18.82	20.6	2
15	256QAM	1	74	18.81	18.90	18.77		
15	256QAM	36	0	18.83	18.88	18.80		
15	256QAM	36	20	18.68	18.98	18.76	20.6	2
15	256QAM	36	39	18.85	18.99	18.78		
15	256QAM	75	0	18.80	18.95	18.76		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.74	20.96	20.79		
10	QPSK	1	25	20.69	20.89	20.69	22.6	0
10	QPSK	1	49	20.71	20.94	20.67		
10	QPSK	25	0	20.83	20.92	20.75		
10	QPSK	25	12	20.79	20.92	20.75	22.6	0
10	QPSK	25	25	20.81	20.93	20.85		
10	QPSK	50	0	20.85	20.93	20.71		
10	16QAM	1	0	20.79	20.90	20.79		
10	16QAM	1	25	20.85	20.98	20.70	22.6	0
10	16QAM	1	49	20.87	20.89	20.67		
10	16QAM	25	0

Band 38 Ant4 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.66	21.89	21.67	23.1	0
20	QPSK	1	49	21.66	21.69	21.70		
20	QPSK	1	99	21.71	21.67	21.64		
20	QPSK	50	0	21.64	21.81	21.61		
20	QPSK	50	24	21.66	21.75	21.64		
20	QPSK	50	50	21.66	21.78	21.65		
20	QPSK	100	0	21.73	21.78	21.60		
20	16QAM	1	0	21.67	21.71	21.61		
20	16QAM	1	49	21.70	21.68	21.69	23.1	0
20	16QAM	1	99	21.63	21.71	21.60		
20	16QAM	50	0	21.18	21.36	21.17		
20	16QAM	50	24	21.14	21.44	21.16		
20	16QAM	50	50	21.18	21.44	21.21	22.6	0.5
20	16QAM	100	0	21.16	21.42	21.12		
20	64QAM	1	0	21.20	21.41	21.17		
20	64QAM	1	49	21.19	21.35	21.16	22.6	0.5
20	64QAM	1	99	21.19	21.40	21.22		
20	64QAM	50	0	20.21	20.37	20.15		
20	64QAM	50	24	20.19	20.39	20.21	21.6	1.5
20	64QAM	50	50	20.17	20.41	20.12		
20	64QAM	100	0	20.17	20.40	20.11		
20	256QAM	1	0	18.20	18.42	18.11		
20	256QAM	1	49	18.13	18.40	18.17	19.6	3.5
20	256QAM	1	99	18.16	18.35	18.21		
20	256QAM	50	0	18.18	18.44	18.18		
20	256QAM	50	24	18.12	18.43	18.14	19.6	3.5
20	256QAM	50	50	18.13	18.34	18.18		
20	256QAM	100	0	18.13	18.34	18.20		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.52	21.82	21.57	23.1	0
15	QPSK	1	37	21.50	21.65	21.64		
15	QPSK	1	74	21.58	21.60	21.51		
15	QPSK	36	0	21.60	21.60	21.52		
15	QPSK	36	20	21.56	21.60	21.60		
15	QPSK	36	39	21.52	21.70	21.51		
15	QPSK	75	0	21.68	21.74	21.47		
15	16QAM	1	0	21.53	21.63	21.52		
15	16QAM	1	37	21.55	21.57	21.59	23.1	0
15	16QAM	1	74	21.50	21.60	21.48		
15	16QAM	36	0	21.09	21.31	21.11		
15	16QAM	36	20	21.08	21.38	21.02	22.6	0.5
15	16QAM	36	39	21.03	21.29	21.14		
15	16QAM	75	0	21.12	21.34	21.00		
15	64QAM	1	0	21.15	21.31	21.01		
15	64QAM	1	37	21.08	21.28	21.01	22.6	0.5
15	64QAM	1	74	21.05	21.27	21.15		
15	64QAM	36	0	20.14	20.33	20.03		
15	64QAM	36	20	20.10	20.27	20.15	21.6	1.5
15	64QAM	36	39	20.01	20.30	20.07		
15	64QAM	75	0	20.11	20.31	20.06		
15	256QAM	1	0	18.06	18.37	18.04		
15	256QAM	1	37	18.01	18.31	18.09	19.6	3.5
15	256QAM	1	74	18.07	18.28	18.12		
15	256QAM	36	0	18.03	18.34	18.13		
15	256QAM	36	20	18.01	18.28	17.98	19.6	3.5
15	256QAM	36	39	18.05	18.26	18.14		
15	256QAM	75	0	18.05	18.27	18.14		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.55	21.75	21.61	23.1	0
10	QPSK	1	25	21.59	21.60	21.65		
10	QPSK	1	49	21.63	21.51	21.59		
10	QPSK	25	0	21.54	21.52	21.51		
10	QPSK	25	12	21.56	21.61	21.52		
10	QPSK	25	25	21.61	21.72	21.49		
10	QPSK	50	0	21.67	21.67	21.53		
10	16QAM	1	0	21.59	21.65	21.49		
10	16QAM	1	25	21.61	21.56	21.59	23.1	0
10	16QAM	1	49	21.47	21.62	21.55		
10	16QAM	25	0	21.06	21.27	21.08		
10	16QAM	25	12	21.00	21.37	21.11		
10	16QAM	25	25	21.11	21.37	21.07	22.6	0.5
10	16QAM	50	0	21.09	21.36	21.00		
10	64QAM	1	0	21.08	21.31	21.01		
10	64QAM	1	25	21.08	21.30	21.02	22.6	0.5
10	64QAM	1	49	21.12	21.33	21.13		
10	64QAM	25	0	20.10	20.22	20.06		
10	64QAM	25	12	20.09	20.25	20.16	21.6	1.5
10	64QAM	25	25	20.09	20.31	20.02		
10	64QAM	50	0	20.11	20.28	20.03		
10	256QAM	1	0	18.08	18.33	18.04		
10	256QAM	1	25	18.02	18.32	18.05	19.6	3.5
10	256QAM	1	49	18.07	18.27	18.09		
10	256QAM	25	0	18.07	18.34	18.05		
10	256QAM	25	12	18.00	18.27	18.06	19.6	3.5
10	256QAM	25	25	18.02	18.23	18.06		
10	256QAM	50	0	18.07	18.30	18.11		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.61	21.78	21.59	23.1	0
5	QPSK	1	12	21.52	21.61	21.62		
5	QPSK	1	24	21.59	21.59	21.59		
5	QPSK	12	0	21.59	21.58	21.53		
5	QPSK	12	7	21.60	21.70	21.62		
5	QPSK	12	13	21.55	21.72	21.49		
5	QPSK	25	0	21.66	21.64	21.50		
5	16QAM	1	0	21.62	21.58	21.56		
5	16QAM	1	12	21.55	21.60	21.63	23.1	0
5	16QAM	1	24	21.55	21.63	21.48		
5	16QAM	12	0	21.03	21.21	21.11		
5	16QAM	12	7	21.08	21.40	21.03	22.6	0.5
5	16QAM	12	13	21.14	21.40	21.05		
5	16QAM	25	0	21.09	21.27	21.07		
5	64QAM	1	0	21.14	21.30	21.07		
5	64QAM	1	12	21.04	21.24	21.24	22.6	0.5
5	64QAM	1	24	21.04	21.33	21.08		
5	64QAM	12	0	20.12	20.22	20.00		
5	64QAM	12	7	20.07	20.25	20.06	21.6	1.5
5	64QAM	12	13	20.11	20.27	20.03		
5	64QAM	25	0	20.13	20.24	19.99		
5	256QAM	1	0	18.07	18.35	17.98		
5	256QAM	1	12	18.07	18.25	18.06	19.6	3.5
5	256QAM	1	24	18.05	18.28	18.11		
5	256QAM	12	0	18.14	18.34	18.12		
5	256QAM	12	7	18.03	18.29	18.01	19.6	3.5
5	256QAM	12	13	18.02	18.19	18.11		
5	256QAM	25	0	18.04	18.27	18.05		

Band 41 Ant4 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2508	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.59	20.54	20.89	20.56	20.63	22.1	0
20	QPSK	1	49	20.56	20.64	20.63	20.49	20.61		
20	QPSK	1	99	20.59	20.58	20.67	20.61	20.59		
20	QPSK	50	0	20.60	20.58	20.73	20.51	20.66		
20	QPSK	50	24	20.68	20.58	20.70	20.54	20.64		
20	QPSK	50	50	20.66	20.52	20.68	20.59	20.67		
20	QPSK	100	0	20.64	20.59	20.68	20.56	20.60		
20	16QAM	1	0	20.59	20.62	20.64	20.51	20.62		
20	16QAM	1	49	20.64	20.62	20.72	20.56	20.61	22.1	0
20	16QAM	1	99	20.65	20.60	20.72	20.60	20.68		
20	16QAM	50	0	20.57	20.55	20.69	20.54	20.63		
20	16QAM	50	24	20.63	20.53	20.66	20.55	20.59	22.1	0
20	16QAM	50	50	20.66	20.58	20.65	20.59	20.66		
20	16QAM	100	0	20.64	20.58	20.72	20.52	20.69		
20	64QAM	1	0	20.60	20.61	20.70	20.60	20.63		
20	64QAM	1	49	20.66	20.54	20.73	20.49	20.61	22.1	0
20	64QAM	1	99	20.67	20.63	20.70	20.56	20.61		
20	64QAM	50	0	20.06	19.99	20.28	20.08	20.18		
20	64QAM	50	24	20.10	20.06	20.24	20.05	20.17	21.6	0.5
20	64QAM	50	50	20.14	20.08	20.23	20.11	20.10		
20	64QAM	100	0	20.13	20.03	20.20	20.02	20.11		
20	256QAM	1	0	18.03	17.99	18.28	18.11	18.10		
20	256QAM	1	49	18.09	17.99	18.25	18.02	18.19	19.6	2.5
20	256QAM	1	99	18.07	18.09	18.25	18.12	18.07		
20	256QAM	50	0	18.08	18.09	18.18	18.00	18.14		
20	256QAM	50	24	18.06	17.99	18.21	18.07	18.09	19.6	2.5
20	256QAM	50	50	18.05	18.01	18.23	18.03	18.16		
20	256QAM	100	0	18.03	18.02	18.19	18.01	18.08		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.53	20.41	20.67	20.47	20.50	22	0
15	QPSK	1	37	20.45	20.53	20.56	20.41	20.48		
15	QPSK	1	74	20.52	20.46	20.52	20.54	20.52		
15	QPSK	36	0	20.54	20.44	20.49	20.38	20.53		
15	QPSK	36	20	20.60	20.59	20.64	20.46	20.54	22.1	0
15	QPSK	36	39	20.50	20.36	20.63	20.51	20.56		
15	QPSK	75	0	20.55	20.49	20.55	20.51	20.48		
15	16QAM	1	0	20.53	20.55	20.56	20.39	20.50		
15	16QAM	1	37	20.54	20.47	20.57	20.45	20.47	22.1	0
15	16QAM	1	74	20.52	20.46	20.65	20.46	20.61		
15	16QAM	36	0	20.49	20.43	20.59	20.47	20.55		
15	16QAM	36	20	20.56	20.38	20.56	20.44	20.49	22.1	0
15	16QAM	36	39	20.53	20.45	20.60	20.55	20.58		
15	16QAM	75	0	20.53	20.48	20.62	20.39	20.57		
15	64QAM	1	0	20.53	20.51	20.62	20.54	20.56		
15	64QAM	1	37	20.55	20.39	20.63	20.40	20.53	22.1	0
15	64QAM	1	74	20.62	20.55	20.62	20.45	20.49		
15	64QAM	36	0	19.98	19.91	20.21	19.97	20.07		
15	64QAM	36	20	20.05	19.95	20.18	19.91	20.09	21.6	0.5
15	64QAM	36	39	20.09	19.96	20.09	20.03	20.03		
15	64QAM	75	0	20.03	19.93	20.15	19.93	19.96		
15	256QAM	1	0	17.98	17.87	18.17	18.02	18.02		
15	256QAM	1	37	17.99	17.94	18.11	17.91	18.13	19.6	2.5
15	256QAM	1	74	17.99	17.93	18.10	18.03	18.01		
15	256QAM	36	0	17.95	18.03	18.13	17.90	18.02		
15	256QAM	36	20	18.01	17.89	18.14	17.92	17.95	19.6	2.5
15	256QAM	36	39	18.00	17.88	18.10	17.88	18.01		
15	256QAM	75	0	17.94	17.90	18.08	17.93	17.94		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.49	20.42	20.61	20.44	20.51	22	0
10	QPSK	1	25	20.48	20.58	20.51	20.38	20.54		
10	QPSK	1	49	20.50	20.43	20.61	20.53	20.45		
10	QPSK	25	0	20.54	20.46	20.55	20.36	20.55		
10	QPSK	25	12	20.58	20.55	20.58	20.40	20.56	22.1	0
10	QPSK	25	25	20.52	20.45	20.58	20.52	20.54		
10	QPSK	50	0	20.60	20.48	20.60	20.46	20.46		
10	16QAM	1	0	20.47	20.50	20.57	20.36	20.56		
10	16QAM	1	25	20.49	20.51	20.65	20.46	20.50	22.1	0
10	16QAM	1	49	20.52	20.47	20.60	20.48	20.54		
10	16QAM	25	0	20.47	20.43	20.57	20.43	20.51		
10	16QAM	25	12	20.55	20.41	20.60	20.50	20.55	22.1	0
10	16QAM	25	25	20.59	20.54	20.61	20.48	20.56		
10	16QAM	50	0	20.54	20.50	20.65	20.38	20.55		
10	64QAM	1	0	20.51	20.54	20.57	20.54	20.50		
10	64QAM	1	25	20.60	20.44	20.62	20.40	20.51	22.1	0
10	64QAM	1	49	20.62	20.52	20.59	20.43	20.46		
10	64QAM	25	0	19.95	19.91	20.18	19.94	20.10		
10	64QAM	25	12	19.99	19.90	20.09	19.91	20.07	21.6	0.5
10	64QAM	25	25	20.00	20.02	20.09	20.01	19.95		
10	64QAM	50	0	20.07	19.99	20.08	19.87	20.06		
10	256QAM	1	0	17.97	17.92	18.20	17.99	18.04		
10	256QAM	1	25	17.95	17.87	18.17	17.95	18.08	19.6	2.5
10	256QAM	1	49	18.00	18.00	18.20	18.03	17.92		
10	256QAM	25	0	17.98	18.03	18.14	17.87	18.06		
10	256QAM	25	12	17.97	17.91	18.15	18.01	17.99	19.6	2.5
10	256QAM	25	25	17.89	17.89	18.09	17.94	18.12		
10	256QAM	50	0	17.97	17.94	18.07	17.95	17.94		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.44	20.41	20.61	20.42	20.47	22	0
5	QPSK	1	12	20.42	20.52	20.52	20.38	20.51		
5	QPSK	1	24	20.54	20.49	20.62	20.46	20.51		
5	QPSK	12	0	20.52	20.48	20.51	20.41	20.51		
5	QPSK	12	7	20.64	20.53	20.61	20.40	20.53	22.1	0
5	QPSK	12	13	20.61	20.38	20.61	20.48	20.62		
5	QPSK	25	0	20.56	20.46	20.55	20.41	20.52		
5	16QAM	1	0	20.53	20.58	20.50	20.37	20.57		
5	16QAM	1	12	20.55	20.56	20.68	20.44	20.55	22.1	0
5	16QAM	1	24	20.61	20.48	20.66	20.47	20.61		
5	16QAM	12	0	20.45	20.50	20.65	20.44	20.48		
5	16QAM	12	7	20.48	20.45	20.61	20.48	20.47	22.1	0
5	16QAM	12	13	20.60	20.54	20.58	20.55	20.57		
5	16QAM	25	0	20.57	20.48	20.61	20.46	20.64		
5	64QAM	1	0	20.46	20.52	20.56	20.48	20.53		
5	64QAM	1	12	20.62	20.42	20.64	20.45	20.51	22.1	0
5	64QAM	1	24	20.59	20.59	20.61	20.48	20.55		
5	64QAM	12	0	19.99	19.92	20.15	19.98	20.12		
5	64QAM	12	7	19.95	19.96	20.18	19.98	20.08	21.6	0.5
5	64QAM	12	13	20.05	19.98	20.16	19.97	20.02		
5	64QAM	25	0	20.00	19.95	20.06	19.95	19.97		
5	256QAM	1	0	17.90	17.86	18.20	18.01	17.95		
5	256QAM	1	12	18.02	17.92	18.12	17.92	18.03	19.6	2.5
5	256QAM	1	24	17.96	17.94	18.18	18.00	18.03		
5	256QAM	12	0	17.99	18.00	18.09	17.89	18.02		
5	256QAM	12	7	17.97	17.91	18.15	18.02	17.97	19.6	2.5
5	256QAM	12	13	18.01	17.92	18.15	17.97	18.05		
5	256QAM	25	0	17.91	17.87	18.08	17.86	17.94		

Band 42 Ant4 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.05	22.34	22.10	22.7	0
20	QPSK	1	49	22.06	22.12	22.14		
20	QPSK	1	99	22.08	22.14	22.05		
20	QPSK	50	0	22.03	22.25	22.13		
20	QPSK	50	24	22.07	22.12	22.15		
20	QPSK	50	50	22.03	22.16	22.12		
20	QPSK	100	0	22.12	22.18	22.06		
20	16QAM	1	0	22.08	22.17	22.13		
20	16QAM	1	49	22.06	22.14	22.08	22.7	0
20	16QAM	1	99	22.04	22.16	22.12		
20	16QAM	50	0	22.10	22.08	22.07		
20	16QAM	50	24	22.11	22.11	22.08	22.7	0
20	16QAM	50	50	22.03	22.14	22.09		
20	16QAM	100	0	22.04	22.10	22.13		
20	64QAM	1	0	22.11	22.10	22.06		
20	64QAM	1	49	22.09	22.10	22.14	22.7	0
20	64QAM	1	99	22.10	22.17	22.10		
20	64QAM	50	0	22.04	22.11	22.14		
20	64QAM	50	24	22.03	22.08	22.11	22.7	0
20	64QAM	50	50	22.06	22.16	22.14		
20	64QAM	100	0	22.05	22.08	22.10		
20	256QAM	1	0	20.06	20.11	20.14		
20	256QAM	1	49	20.06	20.14	20.13	20.7	2
20	256QAM	1	99	20.07	20.15	20.15		
20	256QAM	50	0	20.05	20.10	20.10		
20	256QAM	50	24	20.04	20.09	20.09	20.7	2
20	256QAM	50	50	20.13	20.14	20.12		
20	256QAM	100	0	20.13	20.18	20.06		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	21.91	21.93	21.96	22.7	0
15	QPSK	1	37	22.02	21.98	22.03		
15	QPSK	1	74	21.94	22.03	21.91		
15	QPSK	36	0	21.97	22.05	22.05		
15	QPSK	36	20	21.93	21.99	22.01	22.7	0
15	QPSK	36	39	21.88	22.07	22.03		
15	QPSK	75	0	22.01	22.08	22.00		
15	16QAM	1	0	21.95	22.06	22.07		
15	16QAM	1	37	21.96	22.06	22.04	22.7	0
15	16QAM	1	74	21.90	22.08	21.98		
15	16QAM	36	0	22.06	22.03	22.00		
15	16QAM	36	20	22.00	21.98	21.96	22.7	0
15	16QAM	36	39	21.97	22.05	21.94		
15	16QAM	75	0	21.91	21.94	22.07		
15	64QAM	1	0	21.97	22.02	21.93		
15	64QAM	1	37	22.00	21.97	22.03	22.7	0
15	64QAM	1	74	22.01	22.11	21.95		
15	64QAM	36	0	21.89	21.97	22.03		
15	64QAM	36	20	21.90	22.00	22.07	22.7	0
15	64QAM	36	39	22.02	22.04	21.98		
15	64QAM	75	0	21.93	22.04	22.06		
15	256QAM	1	0	20.00	20.05	20.03		
15	256QAM	1	37	19.93	20.03	19.98	20.7	2
15	256QAM	1	74	19.93	20.00	20.07		
15	256QAM	36	0	19.92	20.05	19.97		
15	256QAM	36	20	19.99	19.94	20.00	20.7	2
15	256QAM	36	39	20.06	20.08	20.05		
15	256QAM	75	0	20.05	20.06	20.01		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	21.90	22.03	21.99	22.7	0
10	QPSK	1	25	22.00	21.97	22.10		
10	QPSK	1	49	21.96	22.00	21.99		
10	QPSK	25	0	21.90	22.03	22.08		
10	QPSK	25	12	21.91	22.03	22.03	22.7	0
10	QPSK	25	25	21.91	22.04	22.03		
10	QPSK	50	0	22.05	22.11	22.01		
10	16QAM	1	0	21.93	22.12	22.05		
10	16QAM	1	25	21.93	22.10	22.00	22.7	0
10	16QAM	1	49	21.89	22.09	22.02		
10	16QAM	25	0	22.01	22.01	21.97		
10	16QAM	25	12	22.02	21.99	21.96	22.7	0
10	16QAM	25	25	21.93	21.98	21.94		
10	16QAM	50	0	21.96	21.96	22.03		
10	64QAM	1	0	21.96	21.94	22.02		
10	64QAM	1	25	21.95	22.01	22.04	22.7	0
10	64QAM	1	49	21.98	22.12	22.05		
10	64QAM	25	0	21.94	21.98	22.05		
10	64QAM	25	12	21.91	21.97	22.02	22.7	0
10	64QAM	25	25	21.91	22.03	21.95		
10	64QAM	50	0	21.94	21.94	21.98		
10	256QAM	1	0	19.95	20.04	20.02		
10	256QAM	1	25	20.00	20.06	20.01	20.7	2
10	256QAM	1	49	19.96	20.00	19.99		
10	256QAM	25	0	19.94	19.97	19.94		
10	256QAM	25	12	19.91	20.03	19.96	20.7	2
10	256QAM	25	25	20.03	20.06	20.08		
10	256QAM	50	0	20.06	20.05	19.94		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	21.93	21.98	22.01	22.7	0
5	QPSK	1	12	21.95	22.04	22.00		
5	QPSK	1	24	21.99	22.04	21.94		
5	QPSK	12	0	21.90	22.03	22.01		
5	QPSK	12	7	22.00	22.06	22.07		
5	QPSK	12	13	21.96	22.11	21.98		
5	QP

Band 4 Ant6 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.17	20.41	20.27	21.2	0
20	QPSK	1	49	20.15	20.34	20.24		
20	QPSK	1	99	20.16	20.31	20.18		
20	QPSK	50	0	20.19	20.35	20.20		
20	QPSK	50	24	20.25	20.31	20.22	21.2	0
20	QPSK	50	50	20.20	20.25	20.26		
20	QPSK	100	0	20.20	20.29	20.28		
20	16QAM	1	0	20.18	20.35	20.24		
20	16QAM	1	49	20.20	20.28	20.21	21.2	0
20	16QAM	1	99	20.20	20.29	20.25		
20	16QAM	50	0	20.24	20.34	20.22		
20	16QAM	50	24	20.13	20.27	20.27	21.2	0
20	16QAM	50	50	20.23	20.33	20.25		
20	16QAM	100	0	20.25	20.34	20.25		
20	64QAM	1	0	20.15	20.27	20.20		
20	64QAM	1	49	20.21	20.25	20.18	21.2	0
20	64QAM	1	99	20.24	20.31	20.21		
20	64QAM	50	0	20.16	20.32	20.27		
20	64QAM	50	24	20.24	20.33	20.18	21.2	0
20	64QAM	50	50	20.20	20.35	20.23		
20	64QAM	100	0	20.13	20.29	20.20		
20	256QAM	1	0	19.66	19.84	19.70		
20	256QAM	1	49	19.70	19.79	19.77	20.7	0.5
20	256QAM	1	99	19.72	19.75	19.68		
20	256QAM	50	0	19.72	19.78	19.69		
20	256QAM	50	24	19.66	19.79	19.75	20.7	0.5
20	256QAM	50	50	19.73	19.81	19.73		
20	256QAM	100	0	19.64	19.76	19.75		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.06	20.15	20.15	21.2	0
15	QPSK	1	37	20.09	20.22	20.09		
15	QPSK	1	74	20.00	20.23	20.11		
15	QPSK	36	0	20.07	20.23	20.10		
15	QPSK	36	20	20.14	20.17	20.09	21.2	0
15	QPSK	36	39	20.12	20.22	20.13		
15	QPSK	75	0	20.06	20.16	20.14		
15	16QAM	1	0	20.12	20.27	20.12		
15	16QAM	1	37	20.13	20.14	20.09	21.2	0
15	16QAM	1	74	20.16	20.21	20.19		
15	16QAM	36	0	20.15	20.25	20.13		
15	16QAM	36	20	20.02	20.12	20.20	21.2	0
15	16QAM	36	39	20.13	20.23	20.09		
15	16QAM	75	0	20.18	20.30	20.15		
15	64QAM	1	0	19.99	20.18	20.10		
15	64QAM	1	37	20.09	20.12	20.08	21.2	0
15	64QAM	1	74	20.19	20.26	20.07		
15	64QAM	36	0	20.07	20.23	20.19		
15	64QAM	36	20	20.16	20.20	20.07	21.2	0
15	64QAM	36	39	20.12	20.26	20.12		
15	64QAM	75	0	20.05	20.22	20.05		
15	256QAM	1	0	19.61	19.72	19.57		
15	256QAM	1	37	19.61	19.75	19.72	20.7	0.5
15	256QAM	1	74	19.63	19.69	19.54		
15	256QAM	36	0	19.67	19.62	19.54		
15	256QAM	36	20	19.51	19.71	19.60	20.7	0.5
15	256QAM	36	39	19.62	19.72	19.65		
15	256QAM	75	0	19.57	19.70	19.62		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.09	20.22	20.17	21.2	0
10	QPSK	1	25	20.00	20.30	20.19		
10	QPSK	1	49	20.02	20.23	20.11		
10	QPSK	25	0	20.14	20.25	20.13		
10	QPSK	25	12	20.12	20.27	20.12	21.2	0
10	QPSK	25	25	20.14	20.22	20.12		
10	QPSK	50	0	20.14	20.15	20.14		
10	16QAM	1	0	20.13	20.22	20.13		
10	16QAM	1	25	20.12	20.18	20.13	21.2	0
10	16QAM	1	49	20.12	20.22	20.12		
10	16QAM	25	0	20.19	20.18	20.12		
10	16QAM	25	12	20.06	20.18	20.20	21.2	0
10	16QAM	25	25	20.11	20.24	20.11		
10	16QAM	50	0	20.12	20.24	20.10		
10	64QAM	1	0	20.08	20.22	20.06		
10	64QAM	1	25	20.16	20.15	20.12	21.2	0
10	64QAM	1	49	20.12	20.24	20.15		
10	64QAM	25	0	20.05	20.24	20.13		
10	64QAM	25	12	20.14	20.20	20.12	21.2	0
10	64QAM	25	25	20.04	20.26	20.10		
10	64QAM	50	0	19.97	20.20	20.10		
10	256QAM	1	0	19.54	19.78	19.62		
10	256QAM	1	25	19.59	19.74	19.62	20.7	0.5
10	256QAM	1	49	19.58	19.61	19.54		
10	256QAM	25	0	19.60	19.69	19.54		
10	256QAM	25	12	19.51	19.69	19.59	20.7	0.5
10	256QAM	25	25	19.62	19.66	19.59		
10	256QAM	50	0	19.59	19.61	19.61		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.07	20.20	20.16	21.2	0
5	QPSK	1	12	20.05	20.23	20.08		
5	QPSK	1	24	20.09	20.19	20.08		
5	QPSK	12	0	20.09	20.29	20.08		
5	QPSK	12	7	20.18	20.24	20.06	21.2	0
5	QPSK	12	13	20.10	20.20	20.20		
5	QPSK	25	0	20.08	20.20	20.23		
5	16QAM	1	0	20.10	20.23	20.13		
5	16QAM	1	12	20.05	20.16	20.07	21.2	0
5	16QAM	1	24	20.11	20.24	20.10		
5	16QAM	12	0	20.15	20.27	20.11		
5	16QAM	12	7	20.06	20.23	20.14	21.2	0
5	16QAM	12	13	20.18	20.21	20.18		
5	16QAM	25	0	20.16	20.20	20.20		
5	64QAM	1	0	20.10	20.18	20.12		
5	64QAM	1	12	20.08	20.20	20.03	21.2	0
5	64QAM	1	24	20.11	20.17	20.16		
5	64QAM	12	0	20.12	20.21	20.15		
5	64QAM	12	7	20.12	20.18	20.07	21.2	0
5	64QAM	12	13	20.09	20.22	20.19		
5	64QAM	25	0	20.05	20.15	20.11		
5	256QAM	1	0	19.58	19.74	19.59		
5	256QAM	1	12	19.66	19.67	19.70	20.7	0.5
5	256QAM	1	24	19.66	19.61	19.61		
5	256QAM	12	0	19.57	19.73	19.64		
5	256QAM	12	7	19.59	19.74	19.59	20.7	0.5
5	256QAM	12	13	19.62	19.69	19.60		
5	256QAM	25	0	19.59	19.62	19.70		
Channel				19950	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.02	20.13	20.15	21.2	0
3	QPSK	1	8	20.01	20.30	20.19		
3	QPSK	1	14	20.06	20.19	20.04		
3	QPSK	8	0	20.11	20.29	20.10		
3	QPSK	8	4	20.13	20.18	20.06	21.2	0
3	QPSK	8	7	20.07	20.27	20.21		
3	QPSK	15	0	20.05	20.17	20.14		
3	16QAM	1	0	20.11	20.28	20.14		
3	16QAM	1	8	20.14	20.23	20.09	21.2	0
3	16QAM	1	14	20.13	20.18	20.17		
3	16QAM	8	0	20.12	20.27	20.12		
3	16QAM	8	4	20.08	20.20	20.20	21.2	0
3	16QAM	8	7	20.10	20.19	20.15		
3	16QAM	15	0	20.10	20.20	20.13		
3	64QAM	1	0	20.01	20.12	20.15		
3	64QAM	1	8	20.12	20.21	20.06	21.2	0
3	64QAM	1	14	20.18	20.20	20.17		
3	64QAM	8	0	20.00	20.26	20.21		
3	64QAM	8	4	20.19	20.22	20.05	21.2	0
3	64QAM	8	7	20.09	20.24	20.18		
3	64QAM	15	0	20.05	20.15	20.07		
3	256QAM	1	0	19.52	19.78	19.63		
3	256QAM	1	8	19.60	19.68	19.63	20.7	0.5
3	256QAM	1	14	19.58	19.61	19.59		
3	256QAM	8	0	19.65	19.72	19.61		
3	256QAM	8	4	19.59	19.73	19.64	20.7	0.5
3	256QAM	8	7	19.60	19.77	19.58		
3	256QAM	15	0	19.51	19.64	19.61		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.09	20.15	20.17	21.2	0
1.4	QPSK	1	3	20.02	20.19	20.19		
1.4	QPSK	1	5	20.05	20.19	20.05		
1.4	QPSK	3	0	20.14	20.30	20.10		
1.4	QPSK	3	1	20.15	20.23	20.06		
1.4	QPSK	3	3	20.06	20.22	20.19		
1.4	QPSK	6	0	20.07	20.12	20.13	21.2	0
1.4	16QAM	1	0	20.09	20.27	20.12	21.2	0
1.4	16QAM	1	3	20.10	20.21	20.14		
1.4	16QAM	1	5	20.15	20.23	20.17		
1.4	16QAM	3	0	20.11	20.19	20.14		
1.4	16QAM	3	1	19.97	20.19	20.14		
1.4	16QAM	3	3	20.09	20.25	20.10		
1.4	16QAM	6	0	20.17	20.21	20.17	21.2	0
1.4	64QAM	1	0	20.10	20.22	20.05	21.2	0
1.4	64QAM	1	3	20.06	20.18	20.06		
1.4	64QAM	1	5	20.15	20.17	20.16		
1.4	64QAM	3	0	20.07	20.17	20.21		
1.4	64QAM	3	1	20.17	20.25	20.10		
1.4	64QAM	3	3	20.07	20.20	20.07		
1.4	64QAM	6	0	20.05	20.17	20.09	21.2	0
1.4	256QAM	1	0	19.58	19.73	19.56	20.7	0.5
1.4	256QAM	1	3	19.58	19.66	19.64		
1.4	256QAM	1	5	19.63	19.70	19.54		
1.4	256QAM	3	0	19.62	19.70	19.64		
1.4	256QAM	3	1	19.62	19.71	19.67		
1.4	256QAM	3	3	19.63	19.65	19.62		
1.4	256QAM	6	0	19.48	19.66	19.65	20.7	0.5

Band 7 Ant6 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.74	19.87	19.64	21	0
20	QPSK	1	49	19.74	19.76	19.68		
20	QPSK	1	99	19.72	19.74	19.72		
20	QPSK	50	0	19.78	19.79	19.73		
20	QPSK	50	24	19.69	19.77	19.73	21	0
20	QPSK	50	50	19.76	19.73	19.66		
20	QPSK	100	0	19.70	19.71	19.70		
20	16QAM	1	0	19.76	19.77	19.70		
20	16QAM	1	49	19.68	19.80	19.62	21	0
20	16QAM	1	99	19.72	19.81	19.73		
20	16QAM	50	0	19.80	19.77	19.73		
20	16QAM	50	24	19.71	19.76	19.62	21	0
20	16QAM	50	50	19.74	19.81	19.67		
20	16QAM	100	0	19.77	19.78	19.66		
20	64QAM	1	0	19.75	19.78	19.67		
20	64QAM	1	49	19.69	19.77	19.64	21	0
20	64QAM	1	99	19.78	19.71	19.72		
20	64QAM	50	0	19.74	19.73	19.62		
20	64QAM	50	24	19.68	19.73	19.64	21	0
20	64QAM	50	50	19.69	19.79	19.69		
20	64QAM	100	0	19.74	19.72	19.62		
20	256QAM	1	0	19.23	19.26	19.18		
20	256QAM	1	49	19.21	19.32	19.20	20.5	0.5
20	256QAM	1	99	19.20	19.20	19.16		
20	256QAM	50	0	19.25	19.23	19.18		
20	256QAM	50	24	19.26	19.31	19.16	20.5	0.5
20	256QAM	50	50	19.25	19.29	19.20		
20	256QAM	100	0	19.20	19.28	19.15		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.68	19.69	19.50	21	0
15	QPSK	1	37	19.61	19.62	19.59		
15	QPSK	1	74	19.58	19.60	19.63		
15	QPSK	36	0	19.72	19.65	19.67	21	0
15	QPSK	36	20	19.58	19.72	19.62		
15	QPSK	36	39	19.62	19.64	19.50		
15	QPSK	75	0	19.58	19.63	19.65		
15	16QAM	1	0	19.61	19.72	19.63	21	0
15	16QAM	1	37	19.60	19.74	19.52		
15	16QAM	1	74	19.64	19.75	19.63		
15	16QAM	36	0	19.66	19.73	19.67	21	0
15	16QAM	36	20	19.59	19.61	19.54		
15	16QAM	36	39	19.70	19.68	19.56		
15	16QAM	75	0	19.67	19.67	19.60		
15	64QAM	1	0	19.71	19.71	19.57	21	0
15	64QAM	1	37	19.64	19.67	19.50		
15	64QAM	1	74	19.65	19.57	19.58		
15	64QAM	36	0	19.59	19.66	19.48	21	0
15	64QAM	36	20	19.54	19.67	19.53		
15	64QAM	36	39	19.65	19.68	19.60		
15	64QAM	75	0	19.58	19.56	19.56		
15	256QAM	1	0	19.14	19.17	19.14	20.5	0.5
15	256QAM	1	37	19.08	19.18	19.06		
15	256QAM	1	74	19.07	19.10	19.05		
15	256QAM	36	0	19.12	19.16	19.13	20.5	0.5
15	256QAM	36	20	19.10	19.21	19.07		
15	256QAM	36	39	19.20	19.18	19.06		
15	256QAM	75	0	19.06	19.21	19.03		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.61	19.74	19.50	21	0
10	QPSK	1	25	19.62	19.66	19.53		
10	QPSK	1	49	19.60	19.59	19.67		
10	QPSK	25	0	19.68	19.74	19.63	21	0
10	QPSK	25	12	19.54	19.64	19.62		
10	QPSK	25	25	19.63	19.64	19.62		
10	QPSK	50	0	19.55	19.56	19.55		
10	16QAM	1	0	19.66	19.70	19.65	21	0
10	16QAM	1	25	19.57	19.70	19.46		
10	16QAM	1	49	19.67	19.67	19.64		
10	16QAM	25	0	19.68	19.69	19.57	21	0
10	16QAM	25	12	19.58	19.64	19.56		
10	16QAM	25	25	19.65	19.77	19.58		
10	16QAM	50	0	19.69	19.71	19.53		
10	64QAM	1	0	19.67	19.72	19.61	21	0
10	64QAM	1	25	19.63	19.62	19.55		
10	64QAM	1	49	19.67	19.60	19.67		
10	64QAM	25	0	19.59	19.60	19.53	21	0
10	64QAM	25	12	19.63	19.62	19.53		
10	64QAM	25	25	19.54	19.71	19.53		
10	64QAM	50	0	19.62	19.57	19.50		
10	256QAM	1	0	19.07	19.21	19.08	20.5	0.5
10	256QAM	1	25	19.11	19.19	19.13		
10	256QAM	1	49	19.15	19.06	19.06		
10	256QAM	25	0	19.09	19.14	19.03	20.5	0.5
10	256QAM	25	12	19.19	19.16	19.08		
10	256QAM	25	25	19.20	19.13	19.06		
10	256QAM	50	0	19.06	19.17	19.06		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.64	19.69	19.49	21	0
5	QPSK	1	12	19.60	19.66	19.52		
5	QPSK	1	24	19.57	19.59	19.67		
5	QPSK	12	0	19.72	19.72	19.61	21	0
5	QPSK	12	7	19.53	19.64	19.61		
5	QPSK	12	13	19.66	19.59	19.52		
5	QPSK	25	0	19.55	19.59	19.65		
5	16QAM	1	0	19.67	19.67	19.65	21	0
5	16QAM	1	12	19.63	19.67	19.49		
5	16QAM	1	24	19.67	19.70	19.61		
5	16QAM	12	0	19.71	19.63	19.65	21	0
5	16QAM	12	7	19.56	19.71	19.48		
5	16QAM	12	13	19.62	19.71	19.52		
5	16QAM	25	0	19.71	19.63	19.51		
5	64QAM	1	0	19.68	19.63	19.59	21	0
5	64QAM	1	12	19.56	19.67	19.55		
5	64QAM	1	24	19.71	19.62	19.66		
5	64QAM	12	0	19.66	19.68	19.57	21	0
5	64QAM	12	7	19.59	19.65	19.55		
5	64QAM	12	13	19.60	19.70	19.54		
5	64QAM	25	0	19.61	19.66	19.48		
5	256QAM	1	0	19.17	19.16	19.13	20.5	0.5
5	256QAM	1	12	19.10	19.27	19.07		
5	256QAM	1	24	19.08	19.16	19.10		
5	256QAM	12	0	19.18	19.07	19.07		
5	256QAM	12	7	19.18	19.24	19.09	20.5	0.5
5	256QAM	12	13	19.21	19.15	19.14		
5	256QAM	25	0	19.08	19.23	19.01		

Band 66 Ant6 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	20.41	20.61	20.43	21.2	0
20	QPSK	1	49	20.40	20.57	20.35		
20	QPSK	1	99	20.49	20.52	20.36		
20	QPSK	50	0	20.40	20.51	20.38		
20	QPSK	50	24	20.43	20.50	20.44	21.2	0
20	QPSK	50	50	20.46	20.49	20.43		
20	QPSK	100	0	20.38	20.44	20.41		
20	16QAM	1	0	20.50	20.57	20.37		
20	16QAM	1	49	20.40	20.52	20.44	21.2	0
20	16QAM	1	99	20.47	20.47	20.48		
20	16QAM	50	0	20.41	20.44	20.48		
20	16QAM	50	24	20.40	20.49	20.40	21.2	0
20	16QAM	50	50	20.39	20.46	20.43		
20	16QAM	100	0	20.39	20.38	20.42		
20	64QAM	1	0	20.49	20.52	20.39		
20	64QAM	1	49	20.52	20.50	20.35	21.2	0
20	64QAM	1	99	20.44	20.43	20.46		
20	64QAM	50	0	20.42	20.46	20.46		
20	64QAM	50	24	20.40	20.59	20.39	21.2	0
20	64QAM	50	50	20.40	20.56	20.48		
20	64QAM	100	0	20.46	20.51	20.49		
20	256QAM	1	0	19.93	19.97	19.93		
20	256QAM	1	49	19.95	19.93	19.92	20.7	0.5
20	256QAM	1	99	19.88	19.91	20.01		
20	256QAM	50	0	20.00	19.90	19.89		
20	256QAM	50	24	19.94	19.98	19.99	20.7	0.5
20	256QAM	50	50	19.89	19.99	19.82		
20	256QAM	100	0	20.02	19.97	19.93		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.31	20.54	20.38	21.2	0
15	QPSK	1	37	20.30	20.51	20.26		
15	QPSK	1	74	20.36	20.45	20.26		
15	QPSK	36	0	20.33	20.37	20.30	21.2	0
15	QPSK	36	20	20.35	20.36	20.30		
15	QPSK	36	39	20.34	20.37	20.38		
15	QPSK	75	0	20.26	20.39	20.36		
15	16QAM	1	0	20.44	20.47	20.22	21.2	0
15	16QAM	1	37	20.27	20.44	20.31		
15	16QAM	1	74	20.42	20.36	20.35		
15	16QAM	36	0	20.27	20.29	20.34	21.2	0
15	16QAM	36	20	20.36	20.41	20.30		
15	16QAM	36	39	20.32	20.35	20.30		
15	16QAM	75	0	20.28	20.28	20.30		
15	64QAM	1	0	20.36	20.36	20.30	21.2	0
15	64QAM	1	37	20.39	20.37	20.27		
15	64QAM	1	74	20.36	20.37	20.41		
15	64QAM	36	0	20.27	20.42	20.33	21.2	0
15	64QAM	36	20	20.30	20.49	20.31		
15	64QAM	36	39	20.27	20.49	20.34		
15	64QAM	75	0	20.37	20.43	20.36		
15	256QAM	1	0	19.87	19.92	19.85	20.7	0.5
15	256QAM	1	37	19.84	19.87	19.84		
15	256QAM	1	74	19.80	19.83	19.96		
15	256QAM	36	0	19.92	19.74	19.76	20.7	0.5
15	256QAM	36	20	19.82	19.89	19.93		
15	256QAM	36	39	19.83	19.92	19.70		
15	256QAM	75	0	19.96	19.88	19.80		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.36	20.49	20.36	21.2	0
10	QPSK	1	25	20.30	20.48	20.22		
10	QPSK	1	49	20.41	20.44	20.30		
10	QPSK	25	0	20.28	20.40	20.28	21.2	0
10	QPSK	25	12	20.28	20.42	20.29		
10	QPSK	25	25	20.33	20.39	20.33		
10	QPSK	50	0	20.30	20.38	20.31		
10	16QAM	1	0	20.46	20.44	20.23	21.2	0
10	16QAM	1	25	20.30	20.38	20.34		
10	16QAM	1	49	20.40	20.

Band 38 Ant6 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.95	22.05	21.92	23	0
20	QPSK	1	49	22.02	22.02	21.92		
20	QPSK	1	99	21.99	21.99	21.96		
20	QPSK	50	0	21.93	22.04	21.98		
20	QPSK	50	24	21.98	21.95	21.92		
20	QPSK	50	50	22.00	22.03	21.90		
20	QPSK	100	0	21.93	22.00	21.94		
20	16QAM	1	0	21.94	21.93	21.94		
20	16QAM	1	49	21.93	21.95	21.88	23	0
20	16QAM	1	99	21.90	21.99	21.96		
20	16QAM	50	0	22.01	21.92	21.90		
20	16QAM	50	24	21.95	21.97	21.96	23	0
20	16QAM	50	50	22.00	22.01	21.92		
20	16QAM	100	0	21.90	22.02	21.92		
20	64QAM	1	0	21.93	22.02	21.88		
20	64QAM	1	49	21.94	22.01	21.90	23	0
20	64QAM	1	99	21.93	21.93	21.97		
20	64QAM	50	0	21.46	21.53	21.40		
20	64QAM	50	24	21.40	21.47	21.42	22.5	0.5
20	64QAM	50	50	21.46	21.42	21.43		
20	64QAM	100	0	21.48	21.49	21.44		
20	256QAM	1	0	19.41	19.44	19.48		
20	256QAM	1	49	19.51	19.47	19.41	20.5	2.5
20	256QAM	1	99	19.41	19.46	19.49		
20	256QAM	50	0	19.45	19.49	19.48		
20	256QAM	50	24	19.44	19.43	19.41	20.5	2.5
20	256QAM	50	50	19.47	19.43	19.49		
20	256QAM	100	0	19.42	19.49	19.42		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.80	21.96	21.85	23	0
15	QPSK	1	37	21.97	21.86	21.78		
15	QPSK	1	74	21.84	21.92	21.90		
15	QPSK	36	0	21.69	21.96	21.82		
15	QPSK	36	20	21.92	21.86	21.79		
15	QPSK	36	39	21.93	21.93	21.83		
15	QPSK	75	0	21.79	21.93	21.82		
15	16QAM	1	0	21.89	21.86	21.80		
15	16QAM	1	37	21.87	21.84	21.79	23	0
15	16QAM	1	74	21.80	21.83	21.86		
15	16QAM	36	0	21.86	21.84	21.76		
15	16QAM	36	20	21.90	21.82	21.91	23	0
15	16QAM	36	39	21.88	21.88	21.81		
15	16QAM	75	0	21.86	21.90	21.78		
15	64QAM	1	0	21.82	21.95	21.83		
15	64QAM	1	37	21.86	21.93	21.75	23	0
15	64QAM	1	74	21.82	21.85	21.87		
15	64QAM	36	0	21.33	21.44	21.35		
15	64QAM	36	20	21.34	21.34	21.34	22.5	0.5
15	64QAM	36	39	21.38	21.27	21.35		
15	64QAM	75	0	21.42	21.39	21.39		
15	256QAM	1	0	19.35	19.28	19.39		
15	256QAM	1	37	19.40	19.36	19.35	20.5	2.5
15	256QAM	1	74	19.35	19.36	19.44		
15	256QAM	36	0	19.31	19.36	19.33		
15	256QAM	36	20	19.40	19.35	19.26	20.5	2.5
15	256QAM	36	39	19.32	19.33	19.42		
15	256QAM	75	0	19.29	19.40	19.34		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.80	21.93	21.86	23	0
10	QPSK	1	25	21.92	21.89	21.78		
10	QPSK	1	49	21.89	21.89	21.89		
10	QPSK	25	0	21.82	21.97	21.87		
10	QPSK	25	12	21.86	21.80	21.83		
10	QPSK	25	25	21.94	21.92	21.80		
10	QPSK	50	0	21.77	21.94	21.84		
10	16QAM	1	0	21.87	21.82	21.82		
10	16QAM	1	25	21.86	21.80	21.77	23	0
10	16QAM	1	49	21.85	21.86	21.81		
10	16QAM	25	0	21.93	21.85	21.76		
10	16QAM	25	12	21.88	21.83	21.92	23	0
10	16QAM	25	25	21.93	21.92	21.81		
10	16QAM	50	0	21.76	21.89	21.78		
10	64QAM	1	0	21.78	21.88	21.72		
10	64QAM	1	25	21.82	21.92	21.81	23	0
10	64QAM	1	49	21.81	21.87	21.89		
10	64QAM	25	0	21.32	21.40	21.27		
10	64QAM	25	12	21.29	21.42	21.32	22.5	0.5
10	64QAM	25	25	21.41	21.35	21.28		
10	64QAM	50	0	21.36	21.40	21.39		
10	256QAM	1	0	19.28	19.35	19.39		
10	256QAM	1	25	19.37	19.41	19.29	20.5	2.5
10	256QAM	1	49	19.35	19.40	19.41		
10	256QAM	25	0	19.37	19.45	19.41		
10	256QAM	25	12	19.39	19.30	19.30	20.5	2.5
10	256QAM	25	25	19.36	19.31	19.39		
10	256QAM	50	0	19.35	19.43	19.27		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.89	21.91	21.81	23	0
5	QPSK	1	12	21.89	21.89	21.82		
5	QPSK	1	24	21.86	21.86	21.84		
5	QPSK	12	0	21.85	21.94	21.83		
5	QPSK	12	7	21.87	21.86	21.84		
5	QPSK	12	13	21.90	21.91	21.83		
5	QPSK	25	0	21.85	21.92	21.83		
5	16QAM	1	0	21.89	21.87	21.87		
5	16QAM	1	12	21.85	21.87	21.83	23	0
5	16QAM	1	24	21.82	21.86	21.85		
5	16QAM	12	0	21.86	21.85	21.76		
5	16QAM	12	7	21.89	21.93	21.85	23	0
5	16QAM	12	13	21.84	21.90	21.83		
5	16QAM	25	0	21.82	21.98	21.85		
5	64QAM	1	0	21.88	21.96	21.73		
5	64QAM	1	12	21.88	21.93	21.84	23	0
5	64QAM	1	24	21.85	21.84	21.90		
5	64QAM	12	0	21.41	21.48	21.27		
5	64QAM	12	7	21.29	21.42	21.37	22.5	0.5
5	64QAM	12	13	21.34	21.26	21.29		
5	64QAM	25	0	21.42	21.37	21.39		
5	256QAM	1	0	19.26	19.33	19.42		
5	256QAM	1	12	19.46	19.42	19.28	20.5	2.5
5	256QAM	1	24	19.33	19.36	19.39		
5	256QAM	12	0	19.35	19.38	19.36		
5	256QAM	12	7	19.33	19.34	19.27	20.5	2.5
5	256QAM	12	13	19.39	19.35	19.45		
5	256QAM	25	0	19.37	19.43	19.26		

Band 41 Ant6 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.85	21.90	22.05	21.91	21.96		
20	QPSK	1	49	21.87	21.84	22.00	21.99	21.88	23	0
20	QPSK	1	99	21.89	21.88	21.91	21.96	21.94		
20	QPSK	50	0	21.86	21.92	22.01	22.00	21.93		
20	QPSK	50	24	21.85	21.84	21.98	21.91	21.92	23	0
20	QPSK	50	50	21.96	21.86	21.94	21.93	21.93		
20	QPSK	100	0	21.88	21.88	21.93	21.90	21.90		
20	16QAM	1	0	21.89	21.91	22.01	21.89	21.96		
20	16QAM	1	49	21.90	21.82	21.98	21.96	21.89	23	0
20	16QAM	1	99	21.91	21.90	21.99	21.99	21.97		
20	16QAM	50	0	21.84	21.93	21.98	21.99	21.89		
20	16QAM	50	24	21.95	21.89	21.97	21.94	21.90	23	0
20	16QAM	50	50	21.88	21.83	22.00	21.88	21.86		
20	16QAM	100	0	21.93	21.93	22.00	21.91	21.86		
20	64QAM	1	0	21.94	21.83	21.94	21.95	21.93		
20	64QAM	1	49	21.95	21.94	21.94	21.99	21.92	23	0
20	64QAM	1	99	21.88	21.90	22.00	21.94	21.96		
20	64QAM	50	0	21.36	21.34	21.47	21.43	21.47		
20	64QAM	50	24	21.36	21.39	21.44	21.46	21.39	22.5	0.5
20	64QAM	50	50	21.41	21.34	21.43	21.44	21.43		
20	64QAM	100	0	21.42	21.40	21.45	21.41	21.39		
20	256QAM	1	0	19.41	19.43	19.44	19.48	19.43		
20	256QAM	1	49	19.44	19.40	19.51	19.46	19.46	20.5	2.5
20	256QAM	1	99	19.42	19.34	19.43	19.41	19.45		
20	256QAM	50	0	19.44	19.33	19.51	19.47	19.45		
20	256QAM	50	24	19.41	19.37	19.42	19.49	19.39	20.5	2.5
20	256QAM	50	50	19.42	19.38	19.46	19.46	19.46		
20	256QAM	100	0	19.34	19.44	19.48	19.40	19.44		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.77	21.78	21.92	21.86	21.84		
15	QPSK	1	37	21.79	21.76	21.90	21.83	21.77	23	0
15	QPSK	1	74	21.77	21.80	21.87	21.86	21.82		
15	QPSK	36	0	21.76	21.88	21.83	21.92	21.78		
15	QPSK	36	20	21.78	21.76	21.88	21.78	21.76	23	0
15	QPSK	36	39	21.89	21.82	21.87	21.84	21.77		
15	QPSK	75	0	21.77	21.83	21.82	21.84	21.78		
15	16QAM	1	0	21.81	21.77	21.94	21.81	21.81		
15	16QAM	1	37	21.83	21.66	21.93	21.89	21.78	23	0
15	16QAM	1	74	21.80	21.82	21.93	21.88	21.83		
15	16QAM	36	0	21.75	21.85	21.86	21.88	21.80		
15	16QAM	36	20	21.84	21.74	21.92	21.80	21.77	23	0
15	16QAM	36	39	21.74	21.75	21.85	21.77	21.73		
15	16QAM	75	0	21.79	21.88	21.87	21.83	21.74		
15	64QAM	1	0	21.80	21.76	21.82	21.82	21.80		
15	64QAM	1	37	21.80	21.82	21.85	21.87	21.76	23	0
15	64QAM	1	74	21.79	21.75	21.95	21.88	21.89		
15	64QAM	36	0	21.28	21.28	21.40	21.36	21.31		
15	64QAM	36	20	21.30	21.23	21.39	21.40	21.24	22.5	0.5
15	64QAM	36	39	21.37	21.27	21.27	21.33	21.39		
15	64QAM	75	0	21.37	21.35	21.39	21.37	21.27		
15	256QAM	1	0	19.36	19.27	19.38	19.43	19.33		
15	256QAM	1	37	19.37	19.28	19.41	19.41	19.38	20.5	2.5
15	256QAM	1	74	19.32	19.25	19.32	19.37	19.39		
15	256QAM	36	0	19.37	19.25	19.41	19.33	19.38		
15	256QAM	36	20	19.34	19.27	19.29	19.45	19.26	20.5	2.5
15	256QAM	36	39	19.30	19.29	19.40	19.39	19.38		
15	256QAM	75	0	19.28	19.39	19.38	19.31	19.37		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.79	21.75	21.94	21.89	21.89		
10	QPSK	1	25	21.74	21.75	21.90	21.86	21.79	23	0
10	QPSK	1	49	21.75	21.79	21.86	21.88	21.89		
10	QPSK	25	0	21.79	21.84	21.81	21.88	21.80		
10	QPSK	25	12	21.74	21.79	21.90	21.79	21.78	23	0
10	QPSK	25	25	21.81	21.77	21.79	21.85	21.89		
10	QPSK	50	0	21.75	21.78	21.86	21.87	21.85		
10	16QAM	1	0	21.74	21.77	21.91	21.77	21.89		
10	16QAM	1	25	21.80	21.69	21.94	21.84	21.74	23	0
10	16QAM	1	49	21.81	21.81	21.88	21.85	21.85		
10	16QAM	25	0	21.69	21.81	21.89	21.86	21.75		
10	16QAM	25	12	21.80	21.77	21.82	21.80	21.75	23	0
10	16QAM	25	25	21.77	21.68	21.91	21.84	21.76		
10	16QAM	50	0	21.83	21.82	21.91	21.87	21.74		
10	64QAM	1	0	21.79	21.71	21.83	21.84	21.80		
10	64QAM	1	25	21.81	21.86	21.88	21.88	21.84	23	0
10	64QAM	1	49	21.82	21.80	21.90	21.88	21.89		
10	64QAM	25	0	21.21	21.28	21.40	21.33	21.34		
10	64QAM	25	12	21.23	21.28	21.34	21.39	21.29	22.5	0.5
10	64QAM	25	25	21.31	21.21	21.35	21.36	21.28		
10	64QAM	50	0	21.28	21.30	21.38	21.29	21.28		
10	256QAM	1	0	19.32	19.31	19.34	19.43	19.33		
10	256QAM	1	25	19.29	19.25	19.43	19.31	19.42	20.5	2.5
10	256QAM	1	49	19.37	19.20	19.30	19.33	19.39		
10	256QAM	25	0	19.30	19.25	19.40	19.32	19.30		
10	256QAM	25	12	19.29	19.25	19.26	19.40	19.33	20.5	2.5
10	256QAM	25	25	19.34	19.26	19.35	19.32	19.37		
10	256QAM	50	0	19.20	19.33	19.36	19.33	19.34		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.70	21.83	21.87	21.78	21.91		
5	QPSK	1	12	21.74	21.75	21.94	21.91	21.73	23	0
5	QPSK	1	24	21.81	21.75	21.84	21.86	21.87		
5	QPSK	12	0	21.74	21.81	21.90	21.86	21.89		
5	QPSK	12	7	21.75	21.79	21.86	21.87	21.81	23	0
5	QPSK	12	13	21.90	21.76	21.84	21.84	21.86		
5	QPSK	25	0	21.84	21.80	21.85	21.81	21.79		
5	16QAM	1	0	21.79	21.77	21.90	21.76	21.86		
5	16QAM	1	12	21.83	21.66	21.87	21.91	21.76	23	0
5	16QAM	1	24	21.82	21.75	21.87	21.89	21.91		
5	16QAM	12	0	21.79	21.79	21.82	21.92	21.74		
5	16QAM	12	7	21.88	21.76	21.81	21.88	21.79	23	0
5	16QAM	12	13	21.82	21.69	21.86	21.82	21.73		
5	16QAM	25	0	21.83	21.86	21.92	21.81	21.73		
5	64QAM	1	0	21.82	21.76	21.84	21.81	21.82		
5	64QAM	1	12	21.89	21.88	21.81	21.90	21.79	23	0
5	64QAM	1	24	21.81	21.77	21.85	21.84	21.82		
5	64QAM	12	0	21.26	21.26	21.32	21.34	21.35		
5	64QAM	12	7	21.21	21.25	21.31	21.32	21.27	22.5	0.5
5	64QAM	12	13	21.32	21.27	21.32	21.33	21.33		
5	64QAM	25	0	21.35	21.34	21.31	21.36	21.25		
5	256QAM	1	0	19.26	19.29	19.38	19.33	19.33		
5	256QAM	1	12	19.38	19.29	19.37	19.42	19.36	20.5	2.5
5	256QAM	1	24	19.31	19.24	19.32	19.36	19.36		
5	256QAM	12	0	19.29	19.27	19.36	19.31	19.33		
5	256QAM	12	7	19.28	19.29	19.32	19.35	19.34	20.5	2.5
5	256QAM	12	13	19.34	19.27	19.40	19.30	19.33		
5	256QAM	25	0	19.28	19.35	19.43	19.30	19.36		

Band 42 Ant6 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	21.71	21.82	21.74		
20	QPSK	1	49	21.67	21.75	21.77	23	0
20	QPSK	1	99	21.73	21.73	21.74		
20	QPSK	50	0	21.70	21.79	21.74		
20	QPSK	50	24	21.64	21.78	21.69	23	0
20	QPSK	50	50	21.68	21.75	21.72		
20	QPSK	100	0	21.76	21.80	21.67		
20	16QAM	1	0	21.73	21.69	21.77		
20	16QAM	1	49	21.73	21.70	21.72	23	0
20	16QAM	1	99	21.72	21.74	21.68		
20	16QAM	50	0	21.69	21.72	21.76		
20	16QAM	50	24	21.73	21.76	21.75	23	0
20	16QAM	50	50	21.64	21.70	21.72		
20	16QAM	100	0	21.72	21.79	21.77		
20	64QAM	1	0	21.72	21.79	21.67		
20	64QAM	1	49	21.64	21.73	21.69	23	0
20	64QAM	1	99	21.74	21.71	21.73		
20	64QAM	50	0	20.75	20.80	20.73		
20	64QAM	50	24	20.74	20.76	20.78	22	1
20	64QAM	50	50	20.86	20.76	20.66		
20	64QAM	100	0	20.68	20.74	20.68		
20	256QAM	1	0	18.76	18.71	18.68		
20	256QAM	1	49	18.74	18.78	18.71	20	3
20	256QAM	1	99	18.68	18.69	18.73		
20	256QAM	50	0	18.66	18.69	18.77		
20	256QAM	50	24	18.67	18.78	18.78	20	3
20	256QAM	50	50	18.71	18.71	18.76		
20	256QAM	100	0	18.68	18.78	18.68		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	21.57	21.58	21.58		
15	QPSK	1	37	21.55	21.68	21.69	23	0
15	QPSK	1	74	21.67	21.64	21.66		
15	QPSK	36	0	21.55	21.71	21.65		
15	QPSK	36	20	21.53	21.72	21.63	23	0
15	QPSK	36	39	21.55	21.63	21.66		
15	QPSK	75	0	21.69	21.72	21.57		
15	16QAM	1	0	21.62	21.60	21.66		
15	16QAM	1	37	21.62	21.60	21.67	23	0
15	16QAM	1	74	21.61	21.62	21.55		
15	16QAM	36	0	21.58	21.56	21.63		
15	16QAM	36	20	21.58	21.65	21.62	23	0
15	16QAM	36	39	21.53	21.60	21.62		
15	16QAM	75	0	21.64	21.72	21.62		
15	64QAM	1	0	21.63	21.65	21.58		
15	64QAM	1	37	21.56	21.69	21.65	23	0
15	64QAM	1	74	21.62	21.59	21.65		
15	64QAM	36	0	20.66	20.71	20.68		
15	64QAM	36	20	20.62	20.72	20.66	22	1
15	64QAM	36	39	20.59	20.70	20.54		
15	64QAM	75	0	20.52	20.64	20.63		
15	256QAM	1	0	18.61	18.59	18.53		
15	256QAM	1	37	18.61	18.67	18.65	20	3
15	256QAM	1	74	18.61	18.60	18.61		
15	256QAM	36	0	18.56	18.62	18.71		
15	256QAM	36	20	18.53	18.66	18.69	20	3
15	256QAM	36	39	18.65	18.66	18.69		
15	256QAM	75	0	18.61	18.72	18.61		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	21.65	21.69	21.63		
10	QPSK	1	25	21.62	21.68	21.65	23	0
10	QPSK	1	49	21.68	21.62	21.59		
10	QPSK	25	0	21.65	21.71	21.65		
10	QPSK	25	12	21.58	21.62	21.54	23	0
10	QPSK	25	25	21.62	21.70	21.57		
10	QPSK	50	0	21.61	21.68	21.58		
10	16QAM	1	0	21.68	21.54	21.70		
10	16QAM	1	25	21.59	21.56	21.58	23	0
10	16QAM	1	49	21.67	21.70	21.58		
10	16QAM	25	0	21.56	21.68	21.68		
10	16QAM	25	12	21.68	21.63	21.65	23	0
10	16QAM	25	25	21.55	21.58	21.61		
10	16QAM	50	0	21.56	21.66	21.64		
10	64QAM	1	0	21.57	21.64	21.61		
10	64QAM	1	25	21.51	21.68	21.59	23	0
10	64QAM	1	49	21.61	21.63	21.61		
10	64QAM	25	0	20.66	20.65	20.68		
10	64QAM	25	12	20.67	20.67	20.74	22	1
10	64QAM	25	25	20.51	20.62	20.58		
10	64QAM	50	0	20.55	20.60	20.62		
10	256QAM	1	0	18.63	18.64	18.61		
10	256QAM	1	25	18.68	18.68	18.61	20	3
10	256QAM	1	49	18.55	18.64	18.66		
10	256QAM	25	0	18.52	18.55	18.69		
10	256QAM	25	12	18.59	18.62	18.66	20	3
10	256QAM	25	25	18.63	18.65	18.67		
10	256QAM	50	0	18.53	18.66	18.55		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	21.66	21.66	21.66		
5	QPSK	1	12	21.58	21.63	21.71	23	0
5	QPSK	1	24	21.66	21.61	21.64		
5	QPSK	12	0	21.62	21.71	21.69		
5	QPSK	12	7	21.53	21.66	21.56	23	0
5	QPSK	12	13	21.53	21.70	21.66		
5	QPSK	25	0	21.63	21.67	21.57		
5	16QAM	1	0	21.61	21.53	21.66		
5	16QAM	1	12	21.63	21.54	21.65

Band 4 Ant7 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	19.91	20.01	19.80		
20	QPSK	1	49	19.86	19.94	19.89	21.4	0
20	QPSK	1	99	19.85	20.00	19.87		
20	QPSK	50	0	19.93	19.99	19.83		
20	QPSK	50	24	19.86	19.95	19.85	21.4	0
20	QPSK	50	50	19.94	19.90	19.90		
20	QPSK	100	0	19.90	19.92	19.89		
20	16QAM	1	0	19.85	19.91	19.80		
20	16QAM	1	49	19.93	19.88	19.87	21.4	0
20	16QAM	1	99	19.88	19.95	19.84		
20	16QAM	50	0	19.89	19.96	19.85		
20	16QAM	50	24	19.93	19.99	19.80	21.4	0
20	16QAM	50	50	19.86	19.89	19.81		
20	16QAM	100	0	19.94	19.99	19.87		
20	64QAM	1	0	19.90	19.96	19.85		
20	64QAM	1	49	19.84	19.97	19.84	21.4	0
20	64QAM	1	99	19.95	19.99	19.89		
20	64QAM	50	0	19.45	19.45	19.25		
20	64QAM	50	24	19.47	19.42	19.26	20.9	0.5
20	64QAM	50	50	19.43	19.50	19.27		
20	64QAM	100	0	19.36	19.47	19.31		
20	256QAM	1	0	17.39	17.50	17.34		
20	256QAM	1	49	17.46	17.45	17.27	18.9	2.5
20	256QAM	1	99	17.39	17.43	17.24		
20	256QAM	50	0	17.41	17.42	17.29		
20	256QAM	50	24	17.36	17.42	17.32	18.9	2.5
20	256QAM	50	50	17.37	17.46	17.27		
20	256QAM	100	0	17.37	17.42	17.25		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	19.83	19.87	19.67		
15	QPSK	1	37	19.80	19.79	19.82	21.4	0
15	QPSK	1	74	19.80	19.87	19.72		
15	QPSK	36	0	19.79	19.82	19.70		
15	QPSK	36	20	19.79	19.88	19.74	21.4	0
15	QPSK	36	39	19.87	19.86	19.80		
15	QPSK	75	0	19.80	19.88	19.83		
15	16QAM	1	0	19.74	19.84	19.76		
15	16QAM	1	37	19.77	19.79	19.73	21.4	0
15	16QAM	1	74	19.83	19.83	19.80		
15	16QAM	36	0	19.84	19.89	19.77		
15	16QAM	36	20	19.82	19.90	19.76	21.4	0
15	16QAM	36	39	19.81	19.84	19.67		
15	16QAM	75	0	19.78	19.95	19.71		
15	64QAM	1	0	19.85	19.84	19.71		
15	64QAM	1	37	19.69	19.92	19.79	21.4	0
15	64QAM	1	74	19.81	19.89	19.83		
15	64QAM	36	0	19.37	19.38	19.12		
15	64QAM	36	20	19.43	19.28	19.20	20.9	0.5
15	64QAM	36	39	19.37	19.43	19.14		
15	64QAM	75	0	19.31	19.40	19.23		
15	256QAM	1	0	17.33	17.40	17.26		
15	256QAM	1	37	17.38	17.32	17.16	18.9	2.5
15	256QAM	1	74	17.34	17.29	17.09		
15	256QAM	36	0	17.32	17.30	17.15		
15	256QAM	36	20	17.21	17.34	17.18	18.9	2.5
15	256QAM	36	39	17.27	17.37	17.20		
15	256QAM	75	0	17.21	17.29	17.10		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	19.81	19.87	19.68		
10	QPSK	1	25	19.71	19.89	19.74	21.4	0
10	QPSK	1	49	19.75	19.90	19.77		
10	QPSK	25	0	19.89	19.79	19.78		
10	QPSK	25	12	19.74	19.86	19.69	21.4	0
10	QPSK	25	25	19.84	19.92	19.85		
10	QPSK	50	0	19.81	19.77	19.81		
10	16QAM	1	0	19.79	19.86	19.66		
10	16QAM	1	25	19.83	19.77	19.82	21.4	0
10	16QAM	1	49	19.77	19.81	19.76		
10	16QAM	25	0	19.73	19.89	19.71		
10	16QAM	25	12	19.86	19.94	19.76	21.4	0
10	16QAM	25	25	19.79	19.75	19.75		
10	16QAM	50	0	19.83	19.86	19.80		
10	64QAM	1	0	19.82	19.87	19.72		
10	64QAM	1	25	19.79	19.87	19.79	21.4	0
10	64QAM	1	49	19.81	19.92	19.74		
10	64QAM	25	0	19.38	19.37	19.20		
10	64QAM	25	12	19.36	19.36	19.20	20.9	0.5
10	64QAM	25	25	19.33	19.44	19.22		
10	64QAM	50	0	19.23	19.36	19.21		
10	256QAM	1	0	17.24	17.42	17.22		
10	256QAM	1	25	17.37	17.32	17.19	18.9	2.5
10	256QAM	1	49	17.26	17.34	17.17		
10	256QAM	25	0	17.28	17.31	17.23		
10	256QAM	25	12	17.26	17.26	17.20	18.9	2.5
10	256QAM	25	25	17.29	17.35	17.22		
10	256QAM	50	0	17.33	17.35	17.15		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	19.83	19.93	19.76		
5	QPSK	1	12	19.71	19.88	19.80	21.4	0
5	QPSK	1	24	19.80	19.91	19.78		
5	QPSK	12	0	19.81	19.78	19.75		
5	QPSK	12	7	19.73	19.88	19.81	21.4	0
5	QPSK	12	13	19.82	19.90	19.82		
5	QPSK	25	0	19.83	19.78	19.85		
5	16QAM	1	0	19.70	19.81	19.65		
5	16QAM	1	12	19.88	19.82	19.81	21.4	0
5	16QAM	1	24	19.76	19.83	19.71		
5	16QAM	12	0	19.84	19.86	19.75		
5	16QAM	12	7	19.88	19.92	19.71	21.4	0
5	16QAM	12	13	19.77	19.83	19.71		
5	16QAM	25	0	19.84	19.88	19.72		
5	64QAM	1	0	19.85	19.81	19.70		
5	64QAM	1	12	19.68	19.89	19.78	21.4	0
5	64QAM	1	24	19.91	19.86	19.73		
5	64QAM	12	0	19.37	19.38	19.14		
5	64QAM	12	7	19.36	19.32	19.11	20.9	0.5
5	64QAM	12	13	19.31	19.39	19.18		
5	64QAM	25	0	19.30	19.40	19.20		
5	256QAM	1	0	17.29	17.41	17.21		
5	256QAM	1	12	17.32	17.30	17.11	18.9	2.5
5	256QAM	1	24	17.33	17.32	17.10		
5	256QAM	12	0	17.26	17.30	17.19		
5	256QAM	12	7	17.23	17.32	17.19	18.9	2.5
5	256QAM	12	13	17.24	17.34	17.23		
5	256QAM	25	0	17.25	17.27	17.18		
Channel				19950	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	19.76	19.87	19.64		
3	QPSK	1	8	19.78	19.79	19.77	21.4	0
3	QPSK	1	14	19.79	19.85	19.79		
3	QPSK	8	0	19.77	19.86	19.74		
3	QPSK	8	4	19.72	19.80	19.76	21.4	0
3	QPSK	8	7	19.89	19.91	19.81		
3	QPSK	15	0	19.81	19.83	19.77		
3	16QAM	1	0	19.72	19.75	19.74		
3	16QAM	1	8	19.81	19.77	19.78	21.4	0
3	16QAM	1	14	19.84	19.88	19.79		
3	16QAM	8	0	19.76	19.85	19.71		
3	16QAM	8	4	19.87	19.94	19.65	21.4	0
3	16QAM	8	7	19.77	19.81	19.70		
3	16QAM	15	0	19.88	19.91	19.75		
3	64QAM	1	0	19.86	19.80	19.77		
3	64QAM	1	8	19.72	19.90	19.77	21.4	0
3	64QAM	1	14	19.90	19.90	19.84		
3	64QAM	8	0	19.38	19.36	19.09		
3	64QAM	8	4	19.31	19.29	19.17	20.9	0.5
3	64QAM	8	7	19.34	19.37	19.18		
3	64QAM	15	0	19.28	19.40	19.20		
3	256QAM	1	0	17.34	17.42	17.30		
3	256QAM	1	8	17.39	17.41	17.22	18.9	2.5
3	256QAM	1	14	17.34	17.29	17.09		
3	256QAM	8	0	17.29	17.29	17.19		
3	256QAM	8	4	17.30	17.35	17.17	18.9	2.5
3	256QAM	8	7	17.23	17.33	17.15		
3	256QAM	15	0	17.27	17.31	17.19		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.62	19.80	19.59		
1.4	QPSK	1	3	19.68	19.78	19.56		
1.4	QPSK	1	5	19.67	19.79	19.50	21.4	0
1.4	QPSK	3	0	19.72	19.78	19.52		
1.4	QPSK	3	1	19.67	19.74	19.48		
1.4	QPSK	3	3	19.71	19.80	19.51		
1.4	QPSK	6	0	19.63	19.80	19.58	21.4	0
1.4	16QAM	1	0	19.68	19.73	19.56		
1.4	16QAM	1	3	19.70	19.74	19.57		
1.4	16QAM	1	5	19.64	19.78	19.48	21.4	0
1.4	16QAM	3	0	19.61	19.81	19.49		
1.4	16QAM	3	1	19.62	19.82	19.52		
1.4	16QAM	3	3	19.68	19.71	19.48		
1.4	16QAM	6	0	19.68	19.77	19.57	21.4	0
1.4	64QAM	1	0	19.64	19.81	19.50		
1.4	64QAM	1	3	19.71	19.82	19.49		
1.4	64QAM	1	5	19.66	19.73	19.56	21.4	0
1.4	64QAM	3	0	19.68	19.74	19.49		
1.4	64QAM	3	1	19.64	19.78	19.55		
1.4	64QAM	3	3	19.69	19.78	19.54		
1.4	64QAM	6	0	19.25	19.31	19.19	20.9	0.5
1.4	256QAM	1	0	17.24	17.35	17.12		
1.4	256QAM	1	3	17.30	17.40	17.19		
1.4	256QAM	1	5	17.22	17.43	17.16	18.9	2.5
1.4	256QAM	3	0	17.30	17.42	17.11		
1.4	256QAM	3	1	17.27	17.34	17.18		
1.4	256QAM	3	3	17.31	17.33	17.09		
1.4	256QAM	6	0	17.30	17.36	17.19	18.9	2.5

Band 7 Ant7 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.90	19.25	19.01		
20	QPSK	1	49	18.94	19.19	19.00	20.4	0
20	QPSK	1	99	18.93	19.13	19.08		
20	QPSK	50	0	18.98	19.20	19.04		
20	QPSK	50	24	18.99	19.15	19.00	20.4	0
20	QPSK	50	50	18.92	19.13	19.03		
20	QPSK	100	0	18.98	19.10	19.05		
20	16QAM	1	0	18.91	19.17	19.10		
20	16QAM	1	49	19.00	19.21	19.02	20.4	0
20	16QAM	1	99	18.93	19.18	19.02		
20	16QAM	50	0	18.97	19.12	19.04		
20	16QAM	50	24	18.96	19.10	19.09	20.4	0
20	16QAM	50	50	19.00	19.18	18.99		
20	16QAM	100	0	18.91	19.13	19.09		
20	64QAM	1	0	18.97	19.19	19.06		
20	64QAM	1	49	18.97	19.13	19.07	20.4	0
20	64QAM	1	99	18.96	19.15	19.05		
20	64QAM	50	0	18.78	19.02	18.86		
20	64QAM	50	24	18.81	19.04	18.88	20.4	0
20	64QAM	50	50	18.82	19.10	18.87		
20	64QAM	100	0	18.80	19.12	18.91		
20	256QAM	1	0	16.93	17.15	16.97		
20	256QAM	1	49	16.88	17.11	17.04	18.4	2
20	256QAM	1	99	16.95	17.17	17.01		
20	256QAM	50	0	16.92	17.16	17.02		
20	256QAM	50	24	16.85	17.22	17.06	18.4	2
20	256QAM	50	50	16.94	17.22	17.06		
20	256QAM	100	0	16.95	17.11	17.01		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.79	19.12	18.85		
15	QPSK	1	37	18.78	19.11	18.94	20.4	0
15	QPSK	1	74	18.87	19.01	18.94		
15	QPSK	36	0	18.83	19.13	18.92		
15	QPSK	36	20	18.91	19.01	18.87	20.4	0
15	QPSK	36	39	18.80	18.98	18.91		
15	QPSK	75	0	18.93	19.04	19.00		
15	16QAM	1	0	18.85	19.13	19.02		
15	16QAM	1	37	18.88	19.08	18.96	20.4	0
15	16QAM	1	74	18.88	19.14	18.88		
15	16QAM	36	0	18.85	18.99	18.89		
15	16QAM	36	20	18.82	19.01	19.03	20.4	0
15	16QAM	36	39	18.95	19.06	18.87		
15	16QAM	75	0	18.76	19.04	19.00		
15	64QAM	1	0	18.90	19.07	18.92		
15	64QAM	1	37	18.87	19.09	19.00	20.4	0
15	64QAM	1	74	18.87	19.04	19.01		
15	64QAM	36	0	18.70	18.91	18.78		
15	64QAM	36	20	18.66	19.00	18.77	20.4	0
15	64QAM	36	39	18.73	19.06	18.78		
15	64QAM	75	0	18.75	18.97	18.78		
15	256QAM	1	0	16.81	17.08	16.93		
15	256QAM	1	37	16.80	17.03	16.94	18.4	2
15	256QAM	1	74	16.79	17.06	16.95		
15	256QAM	36	0	16.67	17.04	16.93		
15	256QAM	36	20	16.80	17.12	16.94	18.4	2
15	256QAM	36	39	16.90	17.15	16.93		
15	256QAM	75	0	16.86	16.97	16.92		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.77	19.11	18.93		
10	QPSK	1	25	18.88	19.11	18.85	20.4	0
10	QPSK	1	49	18.85	19.05	18.93		
10	QPSK	25	0	18.94	19.12	18.88		
10	QPSK	25	12	18.84	19.02	18.85	20.4	0
10	QPSK	25	25	18.80	19.08	18.98		
10	QPSK	50	0	18.84	19.01	18.90		
10	16QAM	1	0	18.78	19.09	19.05		
10	16QAM	1	25	18.92	19.05	18.87	20.4	0
10	16QAM	1	49	18.88	19.11	18.87		
10	16QAM	25	0	18.89	19.04	18.90		
10	16QAM	25	12	18.92	18.99	18.98	20.4	0
10	16QAM	25	25	18.90	19.08	18.94		
10	16QAM	50	0	18.83	19.03	18.94		
10	64QAM	1	0	18.90	19.10	18.91		
10	64QAM	1	25	18.83	18.98	18.92	20.4	0
10	64QAM	1	49	18.90	19.01	18.92		
10	64QAM	25	0	18.62	18.91	18.72		
10	64QAM	25	12	18.71	18.91	18.72	20.4	0
10	64QAM	25	25	18.68	18.99	18.83		
10	64QAM	50	0	18.72	19.00	18.80		
10	256QAM	1	0	16.78	17.10	16.84		
10	256QAM	1	25	16.82	16.96	16.88	18.4	2
10	256QAM	1	49	16.84	17.07	16.89		
10	256QAM	25	0	16.62	17.02	16.89		
10	256QAM	25	12	16.76	17.16	16.91	18.4	2
10	256QAM	25	25	16.84	17.06	16.95		
10	256QAM	50	0	16.80	16.98	16.86		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.77	19.11	18.89		
5	QPSK	1	12	18.80	19.13	18.93	20.4	0
5	QPSK	1	24	18.81	19.02	18.93		
5	QPSK	12	0	18.90	19.10	18.92		
5	QPSK	12	7	18.93	19.08	18.89	20.4	0
5	QPSK	12	13	18.87	19.08	18.91		
5	QPSK	25	0	18.91	19.00	19.00		
5	16QAM	1	0	18.80	19.05	18.98		
5	16QAM	1	12	18.85	19.14	18.91	20.4	0
5	16QAM	1	24	18.86	19.14	18.92		
5	16QAM	12	0	18.91	19.06	18.92		
5	16QAM	12	7	18.91	18.99	18.98	20.4	0
5	16QAM	12	13	18.87	19.12	18.93		
5	16QAM	25	0	18.86	19.03	18.95		
5	64QAM	1	0	18.85	19.09	19.01		
5	64QAM	1	12	18.83	19.08	19.01	20.4	0
5	64QAM	1	24	18.85	19.10	18.96		
5	64QAM	12	0	18.70	18.88	18.76		
5	64QAM	12	7	18.73	18.94	18.74	20.4	0
5	64QAM	12	13	18.71	18.98	18.77		
5	64QAM	25	0	18.64	19.06	18.82		
5	256QAM	1	0	16.80	17.02	16.81		
5	256QAM	1	12	16.79	17.05	16.90	18.4	2
5	256QAM	1	24	16.86	17.11	16.87		
5	256QAM	12	0	16.77	17.11	16.95		
5	256QAM	12	7	16.74	17.09	16.93	18.4	2
5	256QAM	12	13	16.85	17.06	16.96		
5	256QAM	25	0	16.87	16.96	16.88		

Band 66 Ant7 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	19.85	19.99	19.92		
20	QPSK	1	49	19.91	19.92	19.92	21.5	0
20	QPSK	1	99	19.90	19.93	19.89		
20	QPSK	50	0	19.87	19.95	19.94		
20	QPSK	50	24	19.92	19.86	19.91	21.5	0
20	QPSK	50	50	19.82	19.89	19.85		
20	QPSK	100	0	19.88	19.97	19.90		
20	16QAM	1	0	19.89	19.95	19.87		
20	16QAM	1	49	19.87	19.91	19.85	21.5	0
20	16QAM	1	99	19.83	19.88	19.87		
20	16QAM	50	0	19.89	19.93	19.89		
20	16QAM	50	24	19.89	19.94	19.94	21.5	0
20	16QAM	50	50	19.87	19.87	19.93		
20	16QAM	100	0	19.87	19.89	19.84		
20	64QAM	1	0	19.85	19.88	19.86		
20	64QAM	1	49	19.89	19.97	19.93	21.5	0
20	64QAM	1	99	19.90	19.97	19.86		
20	64QAM	50	0	19.35	19.44	19.35		
20	64QAM	50	24	19.31	19.36	19.40	21	0.5
20	64QAM	50	50	19.34	19.37	19.40		
20	64QAM	100	0	19.39	19.42	19.42		
20	256QAM	1	0	17.36	17.39	17.42		
20	256QAM	1	49	17.33	17.44	17.36	19	2.5
20	256QAM	1	99	17.33	17.45	17.38		
20	256QAM	50	0	17.40	17.36	17.47		
20	256QAM	50	24	17.41	17.40	17.39	19	2.5
20	256QAM	50	50	17.38	17.43	17.41		
20	256QAM	100	0	17.31	17.37	17.39		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	19.79	19.88	19.80		
15	QPSK	1	37	19.76	19.84	19.86	21.5	0
15	QPSK	1	74	19.83	19.86	19.76		
15	QPSK	36	0	19.76	19.82	19.87		
15	QPSK	36	20	19.80	19.79	19.77	21.5	0
15	QPSK	36	39	19.73	19.85	19.79		
15	QPSK	75	0	19.81	19.92	19.85		
15	16QAM	1	0	19.73	19.83	19.71		
15	16QAM	1	37	19.75	19.86	19.75	21.5	0
15	16QAM	1	74	19.75	19.77	19.74		
15	16QAM	36	0	19.75	19.85	19.84		
15	16QAM	36	20	19.78	19.82	19.79	21.5	0
15	16QAM	36	39	19.82	19.78	19.86		
15	16QAM	75	0	19.82	19.76	19.78		
15	64QAM	1	0	19.73	19.73	19.80		
15	64QAM	1	37	19.74	19.85	19.89	21.5	0
15	64QAM	1	74	19.86	19.81	19.71		
15	64QAM	36	0	19.31	19.40	19.26		
15	64QAM	36	20	19.19	19.28	19.30	21	0.5
15	64QAM	36	39	19.29	19.22	19.35		
15	64QAM	75	0	19.29	19.34	19.29		
15	256QAM	1	0	17.26	17.29	17.30		
15	256QAM	1	37	17.24	17.30	17.23	19	2.5
15	256QAM	1	74	17.22	17.39	17.25		
15	256QAM	36	0	17.29	17.29	17.37		
15	256QAM	36	20	17.28	17.30	17.25	19	2.5
15	256QAM	36	39	17.30	17.34	17.26		
15	256QAM	75	0	17.22	17.26	17.31		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	19.80	19.84	19.87		
10	QPSK	1	25	19.83	19.82	19.88	21.5	0
10	QPSK	1	49	19.82	19.87	19.79		
10	QPSK	25	0	19.74	19.82	19.86		
10	QPSK	25	12	19.80	19.74	19.86	21.5	0
10	QPSK	25	25	19.68	19.85	19.79		
10	QPSK	50	0	19.82	19.81	19.77		
10	16QAM	1	0	19.75	19.83	19.71		
10	16QAM	1	25	19.75	19.77	19.78	21.

Band 38 Ant7 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.87	21.09	20.91	22.1	0
20	QPSK	1	49	20.82	21.02	20.89		
20	QPSK	1	99	20.82	20.99	20.90		
20	QPSK	50	0	20.83	21.04	20.92	22.1	0
20	QPSK	50	24	20.87	21.00	20.94		
20	QPSK	50	50	20.83	21.00	20.91		
20	QPSK	100	0	20.84	21.00	20.93		
20	16QAM	1	0	20.86	21.02	20.94	22.1	0
20	16QAM	1	49	20.86	21.00	20.92		
20	16QAM	1	99	20.83	21.02	20.91		
20	16QAM	50	0	20.36	20.52	20.41	21.6	0.5
20	16QAM	50	24	20.39	20.51	20.42		
20	16QAM	50	50	20.35	20.49	20.39		
20	16QAM	100	0	20.35	20.51	20.43		
20	64QAM	1	0	20.36	20.55	20.40	21.6	0.5
20	64QAM	1	49	20.38	20.53	20.43		
20	64QAM	1	99	20.39	20.54	20.39		
20	64QAM	50	0	19.35	19.50	19.42	20.6	1.5
20	64QAM	50	24	19.39	19.55	19.38		
20	64QAM	50	50	19.35	19.50	19.44		
20	64QAM	100	0	19.38	19.50	19.42		
20	256QAM	1	0	17.35	17.53	17.39	18.6	3.5
20	256QAM	1	49	17.40	17.50	17.41		
20	256QAM	1	99	17.38	17.53	17.42		
20	256QAM	50	0	17.38	17.52	17.41	18.6	3.5
20	256QAM	50	24	17.38	17.55	17.40		
20	256QAM	50	50	17.39	17.55	17.43		
20	256QAM	100	0	17.35	17.53	17.43		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	20.79	20.90	20.83	22.1	0
15	QPSK	1	37	20.72	20.93	20.79		
15	QPSK	1	74	20.74	20.86	20.80		
15	QPSK	36	0	20.70	20.91	20.79	22.1	0
15	QPSK	36	20	20.75	20.95	20.87		
15	QPSK	36	39	20.76	20.87	20.83		
15	QPSK	75	0	20.77	20.88	20.82		
15	16QAM	1	0	20.79	20.90	20.84	22.1	0
15	16QAM	1	37	20.76	20.90	20.84		
15	16QAM	1	74	20.74	20.89	20.81		
15	16QAM	36	0	20.26	20.40	20.30	21.6	0.5
15	16QAM	36	20	20.27	20.39	20.32		
15	16QAM	36	39	20.26	20.38	20.31		
15	16QAM	75	0	20.27	20.44	20.32		
15	64QAM	1	0	20.25	20.46	20.31	21.6	0.5
15	64QAM	1	37	20.25	20.41	20.35		
15	64QAM	1	74	20.30	20.45	20.29		
15	64QAM	36	0	19.24	19.41	19.30	20.6	1.5
15	64QAM	36	20	19.31	19.47	19.28		
15	64QAM	36	39	19.26	19.39	19.35		
15	64QAM	75	0	19.25	19.41	19.34		
15	256QAM	1	0	17.25	17.42	17.29	18.6	3.5
15	256QAM	1	37	17.32	17.42	17.31		
15	256QAM	1	74	17.30	17.45	17.30		
15	256QAM	36	0	17.30	17.43	17.28	18.6	3.5
15	256QAM	36	20	17.26	17.46	17.29		
15	256QAM	36	39	17.30	17.43	17.30		
15	256QAM	75	0	17.27	17.43	17.34		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	20.78	20.93	20.79	22.1	0
10	QPSK	1	25	20.73	20.90	20.80		
10	QPSK	1	49	20.70	20.90	20.80		
10	QPSK	25	0	20.72	20.93	20.81	22.1	0
10	QPSK	25	12	20.78	20.94	20.83		
10	QPSK	25	25	20.76	20.91	20.78		
10	QPSK	50	0	20.74	20.92	20.82		
10	16QAM	1	0	20.76	20.90	20.83	22.1	0
10	16QAM	1	25	20.74	20.90	20.84		
10	16QAM	1	49	20.72	20.94	20.78		
10	16QAM	25	0	20.24	20.44	20.32	21.6	0.5
10	16QAM	25	12	20.30	20.43	20.29		
10	16QAM	25	25	20.28	20.37	20.29		
10	16QAM	50	0	20.24	20.39	20.30		
10	64QAM	1	0	20.26	20.45	20.31	21.6	0.5
10	64QAM	1	25	20.28	20.46	20.32		
10	64QAM	1	49	20.29	20.41	20.27		
10	64QAM	25	0	19.26	19.38	19.31	20.6	1.5
10	64QAM	25	12	19.28	19.45	19.31		
10	64QAM	25	25	19.25	19.38	19.36		
10	64QAM	50	0	19.29	19.39	19.33		
10	256QAM	1	0	17.28	17.42	17.30	18.6	3.5
10	256QAM	1	25	17.31	17.42	17.30		
10	256QAM	1	49	17.31	17.44	17.31		
10	256QAM	25	0	17.27	17.45	17.29	18.6	3.5
10	256QAM	25	12	17.30	17.43	17.27		
10	256QAM	25	25	17.26	17.48	17.31		
10	256QAM	50	0	17.27	17.41	17.31		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	20.75	20.93	20.83	22.1	0
5	QPSK	1	12	20.71	20.91	20.80		
5	QPSK	1	24	20.72	20.90	20.81		
5	QPSK	12	0	20.70	20.94	20.81	22.1	0
5	QPSK	12	7	20.74	20.93	20.85		
5	QPSK	12	13	20.71	20.89	20.80		
5	QPSK	25	0	20.76	20.90	20.82		
5	16QAM	1	0	20.77	20.94	20.86	22.1	0
5	16QAM	1	12	20.76	20.92	20.83		
5	16QAM	1	24	20.72	20.92	20.80		
5	16QAM	12	0	20.25	20.43	20.33	21.6	0.5
5	16QAM	12	7	20.27	20.41	20.33		
5	16QAM	12	13	20.28	20.41	20.26		
5	16QAM	25	0	20.27	20.42	20.35		
5	64QAM	1	0	20.25	20.46	20.32	21.6	0.5
5	64QAM	1	12	20.27	20.41	20.36		
5	64QAM	1	24	20.29	20.44	20.32		
5	64QAM	12	0	19.26	19.41	19.31	20.6	1.5
5	64QAM	12	7	19.30	19.43	19.31		
5	64QAM	12	13	19.28	19.38	19.33		
5	64QAM	25	0	19.30	19.38	19.33		
5	256QAM	1	0	17.27	17.41	17.31	18.6	3.5
5	256QAM	1	12	17.29	17.38	17.32		
5	256QAM	1	24	17.27	17.45	17.31		
5	256QAM	12	0	17.28	17.44	17.32	18.6	3.5
5	256QAM	12	7	17.28	17.47	17.28		
5	256QAM	12	13	17.30	17.47	17.31		
5	256QAM	25	0	17.25	17.45	17.35		

Band 41 Ant7 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.67	20.75	20.93	20.78	20.70	22.1	0
20	QPSK	1	49	20.66	20.73	20.88	20.78	20.72		
20	QPSK	1	99	20.66	20.71	20.86	20.77	20.72		
20	QPSK	50	0	20.69	20.74	20.92	20.75	20.74	22.1	0
20	QPSK	50	24	20.69	20.74	20.90	20.78	20.70		
20	QPSK	50	50	20.69	20.71	20.86	20.75	20.71		
20	QPSK	100	0	20.67	20.73	20.89	20.76	20.71		
20	16QAM	1	0	20.70	20.70	20.88	20.77	20.71	22.1	0
20	16QAM	1	49	20.69	20.71	20.88	20.75	20.74		
20	16QAM	1	99	20.70	20.73	20.86	20.77	20.74		
20	16QAM	50	0	20.71	20.75	20.90	20.79	20.73	22.1	0
20	16QAM	50	24	20.68	20.74	20.85	20.79	20.69		
20	16QAM	50	50	20.68	20.72	20.86	20.78	20.71		
20	16QAM	100	0	20.68	20.75	20.88	20.80	20.73		
20	64QAM	1	0	20.67	20.74	20.87	20.79	20.73	22.1	0
20	64QAM	1	49	20.68	20.73	20.90	20.77	20.73		
20	64QAM	1	99	20.71	20.71	20.90	20.77	20.72		
20	64QAM	50	0	19.66	19.76	19.85	19.78	19.69	21.1	1
20	64QAM	50	24	19.65	19.76	19.84	19.79	19.69		
20	64QAM	50	50	19.69	19.76	19.87	19.79	19.71		
20	64QAM	100	0	19.70	19.75	19.84	19.76	19.69		
20	256QAM	1	0	17.67	17.76	17.87	17.78	17.72	19.1	3
20	256QAM	1	49	17.69	17.77	17.86	17.79	17.71		
20	256QAM	1	99	17.69	17.72	17.89	17.75	17.72		
20	256QAM	50	0	17.64	17.75	17.88	17.80	17.72	19.1	3
20	256QAM	50	24	17.69	17.74	17.85	17.77	17.73		
20	256QAM	50	50	17.69	17.77	17.86	17.78	17.68		
20	256QAM	100	0	17.64	17.73	17.85	17.76	17.68		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.58	20.63	20.74	20.66	20.58	22	0
15	QPSK	1	37	20.56	20.63	20.79	20.70	20.60		
15	QPSK	1	74	20.54	20.61	20.75	20.69	20.65		
15	QPSK	36	0	20.60	20.65	20.78	20.65	20.61	22.1	0
15	QPSK	36	20	20.60	20.66	20.81	20.66	20.58		
15	QPSK	36	39	20.59	20.59	20.77	20.66	20.61		
15	QPSK	75	0	20.59	20.65	20.76	20.64	20.62		
15	16QAM	1	0	20.61	20.60	20.78	20.65	20.63	22.1	0
15	16QAM	1	37	20.57	20.59	20.76	20.63	20.64		
15	16QAM	1	74	20.62	20.64	20.74	20.67	20.62		
15	16QAM	36	0	20.64	20.68	20.78	20.71	20.65	22.1	0
15	16QAM	36	20	20.59	20.67	20.73	20.69	20.59		
15	16QAM	36	39	20.60	20.59	20.75	20.71	20.59		
15	16QAM	75	0	20.57	20.66	20.79	20.73	20.61		
15	64QAM	1	0	20.60	20.64	20.75	20.66	20.65	22.1	0
15	64QAM	1	37	20.58	20.62	20.80	20.67	20.63		
15	64QAM	1	74	20.59	20.62	20.81	20.67	20.61		
15	64QAM	36	0	19.53	19.65	19.77	19.70	19.58	21.1	1
15	64QAM	36	20	19.54	19.68	19.76	19.67	19.58		
15	64QAM	36	39	19.60	19.68	19.77	19.67	19.64		
15	64QAM	75	0	19.59	19.65	19.77	19.67	19.59		
15	256QAM	1	0	17.58	17.66	17.80	17.66	17.61	19.1	3
15	256QAM	1	37	17.57	17.68	17.79	17.69	17.63		
15	256QAM	1	74	17.62	17.60	17.82	17.68	17.60		
15	256QAM	36	0	17.56	17.63	17.78	17.72	17.61	19.1	3
15	256QAM	36	20	17.57	17.65	17.75	17.65	17.64		
15	256QAM	36	39	17.58	17.69	17.77	17.66	17.59		
15	256QAM	75	0	17.56	17.65	17.74	17.66	17.59		
Channel				39700	40100	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.58	20.66	20.75	20.65	20.62	22	0
10	QPSK	1	25	20.58	20.65	20.76	20.67	20.59		
10	QPSK	1	49	20.58	20.63	20.78	20.66	20.59		
10	QPSK	25	0	20.61	20.64	20.78	20.62	20.65	22.1	0
10	QPSK	25	12	20.62	20.65	20.78	20.69	20.59		
10	QPSK	25	25	20.59	20.60	20.76	20.65	20.63		
10	QPSK	50	0	20.57	20.61	20.77	20.67	20.64		
10	16QAM	1	0	20.61	20.58	20.76	20.65	20.62	22.1	0
10	16QAM	1	25	20.57	20.60	20.76	20.65	20.64		
10	16QAM	1	49	20.60	20.63	20.77	20.65	20.64		
10	16QAM	25	0	20.58	20.65	20.78	20.70	20.63	22.1	0
10	16QAM	25	12	20.58	20.66	20.75	20.71	20.56		
10	16QAM	25	25	20.60	20.61	20.78	20.69	20.61		
10	16QAM	50	0	20.56	20.66	20.76	20.68	20.61		
10	64QAM	1	0	20.57	20.62	20.76	20.69	20.64	22.1	0
10	64QAM	1	25	20.55	20.64	20.82	20.70	20.62		
10	64QAM	1	49	20.61	20.62	20.80	20.68	20.59		
10	64QAM	25	0	19.54	19.68	19.75	19.67	19.61	21.1	1
10	64QAM	25	12	19.53	19.63	19.76	19.68	19.60		
10	64QAM	25	25	19.58	19.64	19.76	19.68	19.58		
10	64QAM	50	0	19.63	19.63	19.73	19.67	19.61		
10	256QAM	1	0	17.59	17.63	17.76	17.66	17.64	19.1	3
10	256QAM	1	25	17.60	17.66	17.74	17.68	17.59		
10	256QAM	1	49	17.59	17.61	17.81	17.65	17.62		
10	256QAM	25	0	17.52	17.63	17.75	17.68	17.64	19.1	3
10	256QAM	25	12	17.60	17.61	17.75	17.66	17.62		
10	256QAM	25	25	17.57	17.69	17.75	17.71	17.57		
10	256QAM	50	0	17.53	17.60	17.73	17.64	17.58		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.55	20.62	20.78	20.67	20.62	22	0
5	QPSK	1	12	20.54	20.66	20.81	20.69	20.62		
5	QPSK	1	24	20.54	20.58	20.75	20.69	20.64		
5	QPSK	12	0	20.60	20.63	20.80	20.67	20.61	22.1	0
5	QPSK	12	7	20.58	20.61	20.79	20.69	20.61		
5	QPSK	12	13	20.60	20.64	20.75	20.68	20.62		
5	QPSK	25	0	20.54	20.62	20.80	20.64	20.62		
5	16QAM	1	0	20.60	20.58	20.79	20.68	20.62	22.1	0
5	16QAM	1	12	20.58	20.61	20.79	20.68	20.64		
5	16QAM	1	24	20.62	20.60	20.76	20.64	20.65		
5	16QAM	12	0	20.58	20.68	20.81	20.72	20.63	22.1	0
5	16QAM	12	7	20.55	20.67	20.78	20.68	20.61		
5	16QAM	12	13	20.57	20.62	20.75	20.66	20.59		
5	16QAM	25	0	20.58	20.66	20.77	20.68	20.65		
5	64QAM	1	0	20.56	20.64	20.74	20.70	20.60	22.1	0
5	64QAM	1	12	20.57	20.62	20.78	20.66	20.60		
5	64QAM	1	24	20.60	20.63	20.80	20.68	20.60		
5	64QAM	12	0	19.54	19.67	19.78	19.70	19.58	21.1	1
5	64QAM	12	7	19.56	19.69	19.72	19.70	19.59		
5	64QAM	12	13	19.61	19.63	19.79	19.70	19.62		
5	64QAM	25	0	19.60	19.67	19.72	19.65	19.57		
5	256QAM	1	0	17.58	17.68	17.75	17.70	17.62	19.1	3
5	256QAM	1	12	17.59	17.70	17.75	17.67	17.63		
5	256QAM	1	24	17.59	17.65	17.80	17.63	17.61		
5	256QAM	12	0	17.51	17.63	17.77	17.67	17.60	19.1	3
5	256QAM	12	7	17.59	17.65	17.74	17.68	17.64		
5	256QAM	12	13	17.58	17.65	17.73	17.67	17.60		
5	256QAM	25	0	17.54	17.65	17.75	17.65	17.60		

Band 42 Ant10 DSI 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.51	22.59	22.54	23.7	0
20	QPSK	1	49	22.49	22.50	22.51		
20	QPSK	1	99	22.56	22.51	22.53		
20	QPSK	50	0	22.52	22.56	22.46	23.7	0
20	QPSK	50	24	22.55	22.54	22.54		
20	QPSK	50	50	22.51	22.49	22.46		
20	QPSK	100	0	22.54	22.57	22.46		
20	16QAM	1	0	22.57	22.56	22.49	23.7	0
20	16QAM	1	49	22.49	22.54	22.52		
20	16QAM	1	99	22.49	22.55	22.49		
20	16QAM	50	0	21.45	21.63	21.55	22.7	1
20	16QAM	50	24	21.53	21.53	21.51		
20	16QAM	50	50	21.52	21.57	21.56		
20	16QAM	100	0	21.47	21.62	21.50		
20	64QAM	1	0	21.48	21.58	21.59	22.7	1
20	64QAM	1	49	21.52	21.57	21.57		
20	64QAM	1	99	21.46	21.55	21.58		
20	64QAM	50	0	20.54	20.57	20.58	21.7	2
20	64QAM	50	24	20.50	20.61	20.54		
20	64QAM	50	50	20.57	20.62	20.56		
20	64QAM	100	0	20.50	20.54	20.57		
20	256QAM	1	0	18.47	18.54	18.59	19.7	4
20	256QAM	1	49	18.53	18.52	18.57		
20	256QAM	1	99	18.49	18.55	18.49		
20	256QAM	50	0	18.47	18.58	18.49	19.7	4
20	256QAM	50	24	18.47	18.51	18.57		
20	256QAM	50	50	18.51	18.56	18.56		
20	256QAM	100	0	18.51	18.53	18.53		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	22.39	22.46	22.38	23.7	0
15	QPSK	1	37	22.41	22.40	22.44		
15	QPSK	1	74	22.51	22.44	22.45		
15	QPSK	36	0	22.46	22.42	22.40	23.7	0
15	QPSK	36	20	22.41	22.43	22.47		
15	QPSK	36	39	22.40	22.38	22.36		
15	QPSK	75	0	22.42	22.43	22.37		
15	16QAM	1	0	22.51	22.40	22.42	23.7	0
15	16QAM	1	37	22.35	22.39	22.37		
15	16QAM	1	74	22.37	22.43	22.44		
15	16QAM	36	0	21.36	21.47	21.44	22.7	1
15	16QAM	36	20	21.40	21.44	21.46		
15	16QAM	36	39	21.38	21.51	21.45		
15	16QAM	75	0	21.40	21.48	21.41		
15	64QAM	1	0	21.37	21.48	21.51	22.7	1
15	64QAM	1	37	21.45	21.53	21.45		
15	64QAM	1	74	21.31	21.49	21.53		
15	64QAM	36	0	20.45	20.46	20.44	21.7	2
15	64QAM	36	20	20.39	20.53	20.43		
15	64QAM	36	39	20.49	20.52	20.46		
15	64QAM	75	0	20.44	20.43	20.51		
15	256QAM	1	0	18.42	18.39	18.47	19.7	4
15	256QAM	1	37	18.45	18.42	18.49		
15	256QAM	1	74	18.39	18.44	18.36		
15	256QAM	36	0	18.40	18.46	18.44	19.7	4
15	256QAM	36	20	18.42	18.41	18.46		
15	256QAM	36	39	18.44	18.51	18.48		
15	256QAM	75	0	18.44	18.40	18.47		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	22.42	22.49	22.43	23.7	0
10	QPSK	1	25	22.43	22.38	22.39		
10	QPSK	1	49	22.51	22.36	22.40		
10	QPSK	25	0	22.45	22.40	22.35	23.7	0
10	QPSK	25	12	22.48	22.45	22.38		
10	QPSK	25	25	22.40	22.38	22.35		
10	QPSK	50	0	22.46	22.41	22.41		
10	16QAM	1	0	22.47	22.46	22.39	23.7	0
10	16QAM	1	25	22.41	22.46	22.46		
10	16QAM	1	49	22.40	22.48	22.33		
10	16QAM	25	0	21.33	21.54	21.51	22.7	1
10	16QAM	25	12	21.39	21.39	21.42		
10	16QAM	25	25	21.37	21.43	21.50		
10	16QAM	50	0	21.34	21.51	21.42		
10	64QAM	1	0	21.33	21.47	21.55	22.7	1
10	64QAM	1	25	21.43	21.45	21.44		
10	64QAM	1	49	21.39	21.47	21.43		
10	64QAM	25	0	20.47	20.41	20.51	21.7	2
10	64QAM	25	12	20.39	20.50	20.39		
10	64QAM	25	25	20.47	20.57	20.51		
10	64QAM	50	0	20.35	20.49	20.46		
10	256QAM	1	0	18.43	18.39	18.52	19.7	4
10	256QAM	1	25	18.38	18.40	18.43		
10	256QAM	1	49	18.34	18.42	18.33		
10	256QAM	25	0	18.35	18.51	18.34	19.7	4
10	256QAM	25	12	18.31	18.41	18.49		
10	256QAM	25	25	18.45	18.41	18.52		
10	256QAM	50	0	18.38	18.44	18.48		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	22.39	22.51	22.43	23.7	0
5	QPSK	1	12	22.41	22.37	22.44		
5	QPSK	1	24	22.48	22.45	22.40		
5	QPSK	12	0	22.46	22.50	22.42	23.7	0
5	QPSK	12	7	22.41	22.45	22.43		
5	QPSK	12	13	22.42	22.38	22.42		
5	QPSK	25	0	22.40	22.50	22.30		
5	16QAM	1	0	22.49	22.43	22.44	23.7	0
5	16QAM	1	12	22.43	22.46	22.45		
5	16QAM	1	24	22.37	22.43	22.34		
5	16QAM	12	0	21.32	21.51	21.44	22.7	1
5	16QAM	12	7	21.43	21.40	21.44		
5	16QAM	12	13	21.47	21.50	21.44		
5	16QAM	25	0	21.33	21.56	21.41		
5	64QAM	1	0	21.44	21.52	21.51	22.7	1
5	64QAM	1	12	21.41	21.51	21.47		
5	64QAM	1	24	21.41	21.49	21.50		
5	64QAM	12	0	20.43	20.42	20.43	21.7	2
5	64QAM	12	7	20.46	20.49	20.39		
5	64QAM	12	13	20.52	20.49	20.49		
5	64QAM	25	0	20.41	20.45	20.48		
5	256QAM	1	0	18.33	18.48	18.43	19.7	4
5	256QAM	1	12	18.44	18.43	18.44		
5	256QAM	1	24	18.36	18.42	18.36		
5	256QAM	12	0	18.42	18.54	18.42	19.7	4
5	256QAM	12	7	18.39	18.42	18.42		
5	256QAM	12	13	18.38	18.50	18.50		
5	256QAM	25	0	18.47	18.39	18.42		

Reduced Power Mode for DSI4_Other PA

Band 4 Ant5 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	22.22	22.26	22.24	23.2	0
20	QPSK	1	49	22.10	22.22	22.20		
20	QPSK	1	99	22.11	22.20	22.17		
20	QPSK	50	0	21.20	21.30	21.21	22.2	1
20	QPSK	50	24	21.10	21.26	21.20		
20	QPSK	50	50	21.11	21.14	21.20		
20	QPSK	100	0	21.18	21.29	21.26		
20	16QAM	1	0	21.16	21.26	21.29	22.2	1
20	16QAM	1	49	21.15	21.24	21.25		
20	16QAM	1	99	21.14	21.19	21.19		
20	16QAM	50	0	20.17	20.25	20.22	21.2	2
20	16QAM	50	24	20.14	20.30	20.25		
20	16QAM	50	50	20.06	20.10	20.14		
20	16QAM	100	0	20.23	20.25	20.29		
20	64QAM	1	0	20.14	20.28	20.29	21.2	2
20	64QAM	1	49	20.16	20.29	20.28		
20	64QAM	1	99	20.15	20.20	20.24		
20	64QAM	50	0	19.17	19.27	19.23	20.2	3
20	64QAM	50	24	19.08	19.25	19.16		
20	64QAM	50	50	19.10	19.13	19.24		
20	64QAM	100	0	19.13	19.25	19.26		
20	256QAM	1	0	17.25	17.32	17.16	18.2	5
20	256QAM	1	49	17.12	17.24	17.23		
20	256QAM	1	99	17.11	17.17	17.23		
20	256QAM	50	0	17.18	17.27	17.22	18.2	5
20	256QAM	50	24	17.18	17.21	17.27		
20	256QAM	50	50	17.12	17.21	17.27		
20	256QAM	100	0	17.08	17.25	17.21		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	22.18	22.21	22.13	23.2	0
15	QPSK	1	37	22.04	22.16	22.18		
15	QPSK	1	74	22.00	22.16	22.15		
15	QPSK	36	0	21.15	21.20	21.17	22.2	1
15	QPSK	36	20	21.06	21.14	21.17		
15	QPSK	36	39	21.00	21.10	21.11		
15	QPSK	75	0	21.06	21.16	21.14		
15	16QAM	1	0	21.13	21.16	21.23	22.2	1
15	16QAM	1	37	21.08	21.10	21.15		
15	16QAM	1	74	21.02	21.08	21.16		
15	16QAM	36	0	20.08	20.16	20.19	21.2	2
15	16QAM	36	20	20.10	20.25	20.20		
15	16QAM	36	39	19.99	19.99	20.08		
15	16QAM	75	0	20.14	20.23	20.18		
15	64QAM	1	0	20.03	20.21	20.18	21.2	2
15	64QAM	1	37	20.12	20.25	20.19		
15	64QAM	1	74	20.05	20.15	20.13		
15	64QAM	36	0	19.09	19.18	19.10	20.2	3
15	64QAM	36	20	18.94	19.17	19.07		
15	64QAM	36	39	19.03	19.09	19.11		
15	64QAM	75	0	19.03	19.18	19.14		
15	256QAM	1	0	17.12	17.28	17.13	18.2	5
15	256QAM	1	37	17.01	17.19	17.20		
15	256QAM	1	74	17.01	17.15	17.21		
15	256QAM	36	0	17.06	17.25	17.11	18.2	5
15	256QAM	36	20	17.12	17.19	17.19		
15	256QAM	36	39	17.07	17.11	17.20		
15	256QAM	75	0	16.95	17.18	17.16		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	22.11	22.15	22.16	23.2	0
10	QPSK	1	25	22.07	22.15	22.09		
10	QPSK	1	49	22.04	22.15	22.11		
10	QPSK	25	0	21.09	21.18	21.10	22.2	1
10	QPSK	25	12	21.03	21.19	21.13		
10	QPSK	25	25	21.06	21.06	21.11		
10	QPSK	50	0	21.09	21.19	21.15		
10	16QAM	1	0	21.06	21.15	21.23	22.2	1
10	16QAM	1	25	21.04	21.10	21.15		
10	16QAM	1	49	21.07	21.16	21.15		
10	16QAM	25	0	20.13	20.16	20.09	21.2	2
10	16QAM	25	12	20.09	20.19	20.21		
10	16QAM	25	25	19.96	20.05	20.03		
10	16QAM	50	0	20.17	20.19	20.23		
10	64QAM	1	0	20.10	20.15	20.21	21.2	2
10	64QAM	1	25	20.08	20.18	20.23		
10	64QAM	1	49	20.06	20.17	20.22		
10	64QAM	25	0	19.10	19.16	19.12	20.2	3
10	64QAM	25	12	18.95	19.15	19.08		
10	64QAM	25	25	18.99	19.02	19.12		
10	64QAM	50	0	19.04	19.17	19.12		
10	256QAM	1	0	17.18	17.26	17.04	18.2	5
10	256QAM	1	25	17.09	17.18	17.13		
10	256QAM	1	49	17.02	17.13	17.14		
10	256QAM	25	0	17.11	17.24	17.19	18.2	5
10	256QAM	25	12	17.11	17.08	17.21		
10	256QAM	25	25	17.03	17.17	17.16		
10	256QAM	50	0	17.05	17.22	17.19		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	22.12	22.13	22.17	23.2	0
5	QPSK	1	12	22.01	22.10	22.07		
5	QPSK	1	24	22.03	22.09	22.07		
5	QPSK	12	0	21.12	21.20	21.15	22.2	1
5	QPSK	12	7	20.99	21.22	21.11		
5	QPSK	12	13	21.04	21.09	21.08		
5	QPSK	25	0	21.04	21.22	21.15		
5	16QAM	1	0	21.03	21.17	21.16	22.2	1
5	16QAM	1	12	21.03	21.13	21.22		
5	16QAM	1	24	21.09	21.11	21.09		
5	16QAM	12	0	20.14	20.15	20.11	21.2	2
5	16QAM	12	7	20.12	20.19	20.14		
5	16QAM	12	13	19.99	20.06	20.01		
5	16QAM	25	0	20.10	20.21	20.26		
5	64QAM	1	0	20.02	20.17	20.26	21.2	2
5	64QAM	1	12	20.06	20.16	20.25		
5	64QAM	1	24	20.04	20.09	20.20		
5	64QAM	12	0	19.11	19.20	19.11	20.2	3
5	64QAM	12	7	18.98	19.11	19.11		
5	64QAM	12	13	18.96	19.08	19.15		
5	64QAM	25	0	19.09	19.23	19.17		
5	256QAM	1	0	17.19	17.24	17.12	18.2	5
5	256QAM	1	12	16.98	17.19	17.19		
5	256QAM	1	24	17.02	17.11	17.19		
5	256QAM	12	0	17.16	17.16	17.12	18.2	5
5	256QAM	12	7	17.06	17.17	17.17		
5	256QAM	12	13	17.08	17.14	17.20		
5	256QAM	25	0	16.99	17.19	17.10		
Channel				19925	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	22.10	22.23	22.17	23.2	0
3	QPSK	1	8	21.99	22.17	22.14		
3	QPSK	1	14	22.06	22.17	22.15		
3	QPSK	8	0	21.10	21.20	21.14	22.2	1
3	QPSK	8	4	21.07	21.17	21.06		
3	QPSK	8	7	21.07	21.02	21.09		
3	QPSK	15	0	21.16	21.25	21.16		
3	16QAM	1	0	21.14	21.13	21.23	22.2	1
3	16QAM	1	8	21.03	21.12	21.14		
3	16QAM	1	14	21.06	21.10	21.09		
3	16QAM	8	0	20.05	20.13	20.17	21.2	2
3	16QAM	8	4	20.03	20.25	20.11		
3	16QAM	8	7	19.94	20.07	20.12		
3	16QAM	15	0	20.15	20.16	20.27		
3	64QAM	1	0	20.09	20.16	20.17	21.2	2
3	64QAM	1	8	20.05	20.16	20.26		
3	64QAM	1	14	20.04	20.10	20.16		
3	64QAM	8	0	19.11	19.20	19.11	20.2	3
3	64QAM	8	4	18.96	19.12	19.05		
3	64QAM	8	7	18.98	19.07	19.21		
3	64QAM	15	0	19.11	19.20	19.15		
3	256QAM	1	0	17.13	17.25	17.04	18.2	5
3	256QAM	1	8	17.00	17.17	17.17		
3	256QAM	1	14	17.00	17.04	17.10		
3	256QAM	8	0	17.10	17.17	17.12	18.2	5
3	256QAM	8	4	17.14	17.19	17.22		
3	256QAM	8	7	17.00	17.13	17.17		
3	256QAM	15	0	16.97	17.20	17.08		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	22.20	22.14	22.17	23.2	0
1.4	QPSK	1	3	22.00	22.17	22.13		
1.4	QPSK	1	5	22.07	22.07	22.09		
1.4	QPSK	3	0	22.08	22.04	22.04		
1.4	QPSK	3	1	21.91	22.07	22.09		
1.4	QPSK	3	3	21.98	21.94	22.05		
1.4	QPSK	6	0	21.05	21.26	21.13	22.2	1
1.4	16QAM	1	0	21.09	21.19	21.22	22.2	1
1.4	16QAM	1	3	21.10	21.12	21.19		
1.4	16QAM	1	5	21.05	21.14	21.17		
1.4	16QAM	3	0	21.03	21.20	21.10		
1.4	16QAM	3	1	20.96	21.09	21.15		
1.4	16QAM	3	3	21.07	21.03	21.05		
1.4	16QAM	6	0	20.16	20.13	20.27	21.2	2
1.4	64QAM	1	0	20.07	20.23	20.26	21.2	2
1.4	64QAM	1	3	20.02	20.25	20.20		
1.4	64QAM	1	5	20.12	20.06	20.21		
1.4	64QAM	3	0	20.05	20.09	20.23		
1.4	64QAM	3	1	20.04	20.17	20.16		
1.4	64QAM	3	3	19.90	20.13	20.15		
1.4	64QAM	6	0	19.02	19.19	19.21	20.2	3
1.4	256QAM	1	0	17.11	17.22	17.11	18.2	5
1.4	256QAM	1	3	17.00	17.21	17.17		
1.4	256QAM	1	5	17.01	17.09	17.16		
1.4	256QAM	3	0	17.14	17.14	17.18		
1.4	256QAM	3	1	17.08	17.16	17.17		
1.4	256QAM	3	3	17.01	17.08	17.17		
1.4	256QAM	6	0	16.95	17.15	17.08	18.2	5

Band 7 Ant5 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.31	21.33	21.28	22.3	0
20	QPSK	1	49	21.28	21.29	21.18		
20	QPSK	1	99	21.23	21.28	21.19		
20	QPSK	50	0	20.30	20.38	20.33	21.3	1
20	QPSK	50	24	20.28	20.33	20.15		
20	QPSK	50	50	20.26	20.30	20.16		
20	QPSK	100	0	20.34	20.35	20.25		
20	16QAM	1	0	20.34	20.34	20.34	21.3	1
20	16QAM	1	49	20.30	20.34	20.22		
20	16QAM	1	99	20.29	20.27	20.22		
20	16QAM	50	0	19.28	19.37	19.36	20.3	2
20	16QAM	50	24	19.25	19.39	19.09		
20	16QAM	50	50	19.26	19.33	19.11		
20	16QAM	100	0	19.35	19.33	19.30		
20	64QAM	1	0	19.30	19.40	19.28	20.3	2
20	64QAM	1	49	19.24	19.31	19.27		
20	64QAM	1	99	19.35	19.26	19.19		
20	64QAM	50	0	18.34	18.37	18.31	19.3	3
20	64QAM	50	24	18.28	18.29	18.18		
20	64QAM	50	50	18.28	18.35	18.10		
20	64QAM	100	0	18.35	18.32	18.30		
20	256QAM	1	0	16.28	16.36	16.34	17.3	5
20	256QAM	1	49	16.24	16.35	16.11		
20	256QAM	1	99	16.32	16.33	16.19		
20	256QAM	50	0	16.29	16.32	16.29	17.3	5
20	256QAM	50	24	16.28	16.29	16.38		
20	256QAM	50	50	16.30	16.32	16.26		
20	256QAM	100	0	16.28	16.24	16.23		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.25	21.25	21.16	22.3	0
15	QPSK	1	37	21.24	21.15	21.04		
15	QPSK	1	74	21.13	21.21	21.13		
15	QPSK	36	0	20.18	20.28	20.26	21.3	1
15	QPSK	36	20	20.25	20.30	20.08		
15	QPSK	36	39	20.15	20.22	20.14		
15	QPSK	75	0	20.25	20.33	20.21		
15	16QAM	1	0	20.24	20.27	20.26	21.3	1
15	16QAM	1	37	20.20	20.26	20.12		
15	16QAM	1	74	20.16	20.21	20.17		
15	16QAM	36	0	19.25	19.25	19.33	20.3	2
15	16QAM	36	20	19.21	19.36	18.97		
15	16QAM	36	39	19.15	19.22	18.98		
15	16QAM	75	0	19.22	19.20	19.26		
15	64QAM	1	0	19.22	19.32	19.23	20.3	2
15	64QAM	1	37	19.16	19.26	19.13		
15	64QAM	1	74	19.31	19.13	19.06		
15	64QAM	36	0	18.27	18.34	18.24	19.3	3
15	64QAM	36	20	18.24	18.22	18.04		
15	64QAM	36	39	18.15	18.24	17.99		
15	64QAM	75	0	18.24	18.26	18.27		
15	256QAM	1	0	16.19	16.32	16.31	17.3	5
15	256QAM	1	37	16.16	16.30	16.06		
15	256QAM	1	74	16.23	16.22	16.11		
15	256QAM	36	0	16.20	16.28	16.18	17.3	5
15	256QAM	36	20	16.19	16.19	16.29		
15	256QAM	36	39	16.23	16.18	16.19		
15	256QAM	75	0	16.23	16.10	16.12		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.24	21.25	21.15	22.3	0
10	QPSK	1	25	21.24	21.27	21.11		
10	QPSK	1	49	21.16	21.22	21.17		
10	QPSK	25	0	20.28	20.34	20.31	21.3	1
10	QPSK	25	12	20.17	20.20	20.01		
10	QPSK	25	25	20.22	20.18	20.05		
10	QPSK	50	0	20.27	20.25	20.19		
10	16QAM	1	0	20.31	20.28	20.24	21.3	1
10	16QAM	1	25	20.25	20.29	20.16		
10	16QAM	1	49	20.24	20.22	20.19		
10	16QAM	25	0	19.25	19.30	19.28	20.3	2
10	16QAM	25	12	19.15	19.35	19.01		
10	16QAM	25	25	19.22	19.29	18.99		
10	16QAM	50	0	19.27	19.22	19.26		
10	64QAM	1	0	19.16	19.29	19.18	20.3	2
10	64QAM	1	25	19.17	19.22	19.17		
10	64QAM	1	49	19.24	19.22	19.05		
10	64QAM	25	0	18.29	18.33	18.17	19.3	3
10	64QAM	25	12	18.22	18.26	18.15		
10	64QAM	25	25	18.25	18.28	17.97		
10	64QAM	50	0	18.21	18.28	18.28		
10	256QAM	1	0	16.25	16.29	16.30	17.3	5
10	256QAM	1	25	16.15	16.28	16.05		
10	256QAM	1	49	16.29	16.31	16.05		
10	256QAM	25	0	16.27	16.27	16.17	17.3	5
10	256QAM	25	12	16.18	16.27	16.26		
10	256QAM	25	25	16.27	16.27	16.14		
10	256QAM	50	0	16.20	16.18	16.13		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.21	21.21	21.20	22.3	0
5	QPSK	1	12	21.20	21.25	21.05		
5	QPSK	1	24	21.16	21.14	21.12		
5	QPSK	12	0	20.24	20.26	20.30	21.3	1
5	QPSK	12	7	20.19	20.31	20.04		
5	QPSK	12	13	20.21	20.27	20.06		
5	QPSK	25	0	20.30	20.30	20.17		
5	16QAM	1	0	20.30	20.22	20.29	21.3	1
5	16QAM	1	12	20.22	20.31	20.16		
5	16QAM	1	24	20.21	20.20	20.14		
5	16QAM	12	0	19.21	19.34	19.31	20.3	2
5	16QAM	12	7	19.11	19.28	18.99		
5	16QAM	12	13	19.20	19.19	19.09		
5	16QAM	25	0	19.29	19.29	19.24		
5	64QAM	1	0	19.18	19.38	19.19	20.3	2
5	64QAM	1	12	19.16	19.20	19.22		
5	64QAM	1	24	19.22	19.22	19.10		
5	64QAM	12	0	18.29	18.23	18.22	19.3	3
5	64QAM	12	7	18.23	18.20	18.15		
5	64QAM	12	13	18.24	18.21	18.03		
5	64QAM	25	0	18.30	18.22	18.28		
5	256QAM	1	0	16.17	16.23	16.29	17.3	5
5	256QAM	1	12	16.14	16.25	16.06		
5	256QAM	1	24	16.23	16.28	16.10		
5	256QAM	12	0	16.17	16.28	16.26	17.3	5
5	256QAM	12	7	16.25	16.18	16.34		
5	256QAM	12	13	16.21	16.20	16.23		
5	256QAM	25	0	16.23	16.18	16.20		

Band 38 Ant5 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.41	21.48	21.39	22.5	0
20	QPSK	1	49	21.29	21.46	21.30		
20	QPSK	1	99	21.29	21.43	21.26		
20	QPSK	50	0	20.47	20.51	20.41	21.5	1
20	QPSK	50	24	20.33	20.50	20.31		
20	QPSK	50	50	20.25	20.48	20.23		
20	QPSK	100	0	20.39	20.48	20.38		
20	16QAM	1	0	20.42	20.45	20.43	21.5	1
20	16QAM	1	49	20.33	20.44	20.29		
20	16QAM	1	99	20.32	20.41	20.31		
20	16QAM	50	0	19.45	19.53	19.41	20.5	2
20	16QAM	50	24	19.36	19.47	19.30		
20	16QAM	50	50	19.30	19.48	19.28		
20	16QAM	100	0	19.39	19.42	19.38		
20	64QAM	1	0	19.47	19.40	19.44	20.5	2
20	64QAM	1	49	19.34	19.42	19.31		
20	64QAM	1	99	19.34	19.35	19.33		
20	64QAM	50	0	18.43	18.48	18.42	19.5	3
20	64QAM	50	24	18.30	18.50	18.29		
20	64QAM	50	50	18.23	18.46	18.21		
20	64QAM	100	0	18.40	18.46	18.35		
20	256QAM	1	0	16.52	16.50	16.40	17.5	5
20	256QAM	1	49	16.32	16.47	16.36		
20	256QAM	1	99	16.29	16.52	16.21		
20	256QAM	50	0	16.39	16.53	16.40	17.5	5
20	256QAM	50	24	16.42	16.44	16.44		
20	256QAM	50	50	16.34	16.48	16.35		
20	256QAM	100	0	16.29	16.35	16.28		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.35	21.40	21.31	22.5	0
15	QPSK	1	37	21.22	21.36	21.25		
15	QPSK	1	74	21.20	21.35	21.18		
15	QPSK	36	0	20.37	20.48	20.38	21.5	1
15	QPSK	36	20	20.26	20.47	20.19		
15	QPSK	36	39	20.19	20.38	20.10		
15	QPSK	75	0	20.35	20.38	20.30		
15	16QAM	1	0	20.33	20.38	20.33	21.5	1
15	16QAM	1	37	20.23	20.31	20.26		
15	16QAM	1	74	20.20	20.31	20.22		
15	16QAM	36	0	19.40	19.43	19.29	20.5	2
15	16QAM	36	20	19.27	19.41	19.23		
15	16QAM	36	39	19.27	19.44	19.24		
15	16QAM	75	0	19.36	19.31	19.26		
15	64QAM	1	0	19.39	19.29	19.38	20.5	2
15	64QAM	1	37	19.23	19.40	19.20		
15	64QAM	1	74	19.26	19.22	19.29		
15	64QAM	36	0	18.33	18.39	18.38	19.5	3
15	64QAM	36	20	18.21	18.41	18.19		
15	64QAM	36	39	18.19	18.39	18.12		
15	64QAM	75	0	18.36	18.40	18.32		
15	256QAM	1	0	16.49	16.40	16.37	17.5	5
15	256QAM	1	37	16.28	16.36	16.28		
15	256QAM	1	74	16.25	16.39	16.11		
15	256QAM	36	0	16.36	16.50	16.31	17.5	5
15	256QAM	36	20	16.36	16.40	16.31		
15	256QAM	36	39	16.29	16.34	16.23		
15	256QAM	75	0	16.22	16.25	16.18		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.28	21.39	21.30	22.5	0
10	QPSK	1	25	21.27	21.36	21.27		
10	QPSK	1	49	21.18	21.33	21.15		
10	QPSK	25	0	20.42	20.39	20.33	21.5	1
10	QPSK	25	12	20.35	20.44	20.19		
10	QPSK	25	25	20.13	20.41	20.18		
10	QPSK	50	0	20.34	20.36	20.35		
10	16QAM	1	0	20.29	20.35	20.37	21.5	1
10	16QAM	1	25	20.30	20.39	20.21		
10	16QAM	1	49	20.24	20.31	20.23		
10	16QAM	25	0	19.34	19.49	19.32	20.5	2
10	16QAM	25	12	19.29	19.34	19.22		
10	16QAM	25	25	19.17	19.42	19.18		
10	16QAM	50	0	19.25	19.39	19.25		
10	64QAM	1	0	19.38	19.34	19.31	20.5	2
10	64QAM	1	25	19.31	19.32	19.27		
10	64QAM	1	49	19.20	19.26	19.30		
10	64QAM	25	0	18.39	18.42	18.38	19.5	3
10	64QAM	25	12	18.21	18.45	18.25		
10	64QAM	25	25	18.11	18.38	18.14		
10	64QAM	50	0	18.28	18.34	18.31		
10	256QAM	1	0	16.43	16.37	16.33	17.5	5
10	256QAM	1	25	16.20	16.41	16.22		
10	256QAM	1	49	16.26	16.39	16.11		
10	256QAM	25	0	16.35	16.51	16.29	17.5	5
10	256QAM	25	12	16.38	16.31	16.30		
10	256QAM	25	25	16.24	16.35	16.22		
10	256QAM	50	0	16.23	16.23	16.15		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.36	21.41	21.37	22.5	0
5	QPSK	1	12	21.17	21.42	21.25		
5	QPSK	1	24	21.26	21.32	21.17		
5	QPSK	12	0	20.44	20.46	20.33	21.5	1
5	QPSK	12	7	20.25	20.41	20.25		
5	QPSK	12	13	20.14	20.41	20.13		
5	QPSK	25	0	20.31	20.34	20.28		
5	16QAM	1	0	20.31	20.40	20.30	21.5	1
5	16QAM	1	12	20.21	20.33	20.17		
5	16QAM	1	24	20.19	20.34	20.22		
5	16QAM	12	0	19.42	19.48	19.28	20.5	2
5	16QAM	12	7	19.29	19.42	19.22		
5	16QAM	12	13	19.26	19.44	19.15		
5	16QAM	25	0	19.31	19.32	19.25		
5	64QAM	1	0	19.44	19.32	19.35	20.5	2
5	64QAM	1	12	19.21	19.28	19.27		
5	64QAM	1	24	19.30	19.33	19.25		
5	64QAM	12	0	18.37	18.38	18.35	19.5	3
5	64QAM	12	7	18.20	18.41	18.20		
5	64QAM	12	13	18.09	18.37	18.18		
5	64QAM	25	0	18.29	18.34	18.26		
5	256QAM	1	0	16.47	16.43	16.34	17.5	5
5	256QAM	1	12	16.20	16.44	16.24		
5	256QAM	1	24	16.19	16.38	16.14		
5	256QAM	12	0	16.26	16.40	16.26	17.5	5
5	256QAM	12	7	16.40	16.30	16.35		
5	256QAM	12	13	16.28	16.45	16.29		
5	256QAM	25	0	16.26	16.23	16.25		

Band 41 Ant5 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.40	21.37	21.42	21.36	21.41	22.5	0
20	QPSK	1	49	21.31	21.24	21.38	21.31	21.29		
20	QPSK	1	99	21.29	21.27	21.36	21.28	21.37		
20	QPSK	50	0	20.38	20.32	20.47	20.31	20.46	21.5	1
20	QPSK	50	24	20.34	20.30	20.42	20.33	20.29		
20	QPSK	50	50	20.35	20.26	20.31	20.32	20.34		
20	QPSK	100	0	20.40	20.38	20.44	20.39	20.36		
20	16QAM	1	0	20.38	20.34	20.41	20.34	20.39	21.5	1
20	16QAM	1	49	20.34	20.28	20.35	20.35	20.32		
20	16QAM	1	99	20.25	20.32	20.36	20.26	20.41		
20	16QAM	50	0	19.42	19.31	19.49	19.32	19.49	20.5	2
20	16QAM	50	24	19.37	19.25	19.45	19.29	19.26		
20	16QAM	50	50	19.31	19.27	19.32	19.27	19.35		
20	16QAM	100	0	19.40	19.36	19.41	19.35	19.32		
20	64QAM	1	0	19.39	19.28	19.41	19.38	19.34	20.5	2
20	64QAM	1	49	19.31	19.28	19.37	19.37	19.29		
20	64QAM	1	99	19.22	19.27	19.33	19.29	19.36		
20	64QAM	50	0	18.33	18.29	18.43	18.37	18.49	19.5	3
20	64QAM	50	24	18.32	18.17	18.44	18.30	18.27		
20	64QAM	50	50	18.32	18.24	18.33	18.37	18.31		
20	64QAM	100	0	18.36	18.41	18.49	18.38	18.33		
20	256QAM	1	0	16.42	16.32	16.48	16.30	16.42	17.5	5
20	256QAM	1	49	16.35	16.14	16.47	16.33	16.35		
20	256QAM	1	99	16.36	16.29	16.31	16.36	16.38		
20	256QAM	50	0	16.44	16.39	16.43	16.35	16.38	17.5	5
20	256QAM	50	24	16.37	16.33	16.37	16.30	16.40		
20	256QAM	50	50	16.35	16.24	16.34	16.38	16.36		
20	256QAM	100	0	16.23	16.38	16.33	16.32	16.45		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.31	21.29	21.30	21.33	21.34	23	0
15	QPSK	1	37	21.19	21.18	21.29	21.22	21.24		
15	QPSK	1	74	21.27	21.23	21.27	21.17	21.25		
15	QPSK	36	0	20.30	20.25	20.41	20.21	20.36	21.5	1
15	QPSK	36	20	20.30	20.13	20.33	20.25	20.26		
15	QPSK	36	39	20.32	20.15	20.24	20.22	20.22		
15	QPSK	75	0	20.32	20.36	20.35	20.27	20.23		
15	16QAM	1	0	20.33	20.23	20.28	20.23	20.37	21.5	1
15	16QAM	1	37	20.31	20.21	20.24	20.24	20.23		
15	16QAM	1	74	20.12	20.26	20.26	20.22	20.36		
15	16QAM	36	0	19.31	19.20	19.38	19.20	19.46	20.5	2
15	16QAM	36	20	19.27	19.16	19.31	19.16	19.22		
15	16QAM	36	39	19.27	19.15	19.30	19.17	19.24		
15	16QAM	75	0	19.35	19.24	19.37	19.25	19.19		
15	64QAM	1	0	19.34	19.22	19.37	19.32	19.29	20.5	2
15	64QAM	1	37	19.26	19.17	19.32	19.34	19.21		
15	64QAM	1	74	19.19	19.22	19.25	19.20	19.28		
15	64QAM	36	0	18.21	18.23	18.32	18.29	18.42	19.5	3
15	64QAM	36	20	18.24	18.03	18.35	18.25	18.23		
15	64QAM	36	39	18.20	18.20	18.22	18.31	18.18		
15	64QAM	75	0	18.29	18.36	18.46	18.27	18.20		
15	256QAM	1	0	16.35	16.25	16.35	16.17	16.38	17.5	5
15	256QAM	1	37	16.23	16.06	16.40	16.22	16.29		
15	256QAM	1	74	16.23	16.22	16.27	16.28	16.32		
15	256QAM	36	0	16.39	16.27	16.40	16.24	16.28	17.5	5
15	256QAM	36	20	16.34	16.19	16.25	16.27	16.37		
15	256QAM	36	39	16.25	16.15	16.27	16.31	16.22		
15	256QAM	75	0	16.09	16.29	16.22	16.26	16.40		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.28	21.23	21.39	21.26	21.33	23	0
10	QPSK	1	25	21.25	21.20	21.33	21.26	21.16		
10	QPSK	1	49	21.23	21.16	21.23	21.19	21.25		
10	QPSK	25	0	20.28	20.18	20.41	20.17	20.37	21.5	1
10	QPSK	25	12	20.32	20.17	20.33	20.23	20.19		
10	QPSK	25	25	20.29	20.14	20.24	20.25	20.31		
10	QPSK	50	0	20.32	20.27	20.41	20.29	20.31		
10	16QAM	1	0	20.27	20.30	20.31	20.24	20.30	21.5	1
10	16QAM	1	25	20.24	20.20	20.32	20.30	20.23		
10	16QAM	1	49	20.17	20.19	20.25	20.24	20.34		
10	16QAM	25	0	19.38	19.29	19.46	19.29	19.37	20.5	2
10	16QAM	25	12	19.24	19.22	19.33	19.24	19.15		
10	16QAM	25	25	19.25	19.22	19.21	19.20	19.27		
10	16QAM	50	0	19.32	19.27	19.39	19.21	19.30		
10	64QAM	1	0	19.26	19.20	19.32	19.28	19.21	20.5	2
10	64QAM	1	25	19.24	19.17	19.35	19.34	19.23		
10	64QAM	1	49	19.15	19.23	19.22	19.17	19.28		
10	64QAM	25	0	18.31	18.17	18.32	18.25	18.38	19.5	3
10	64QAM	25	12	18.20	18.09	18.34	18.17	18.20		
10	64QAM	25	25	18.28	18.11	18.24	18.34	18.28		
10	64QAM	50	0	18.23	18.33	18.45	18.30	18.24		
10	256QAM	1	0	16.31	16.28	16.35	16.26	16.34	17.5	5
10	256QAM	1	25	16.30	16.00	16.35	16.31	16.31		
10	256QAM	1	49	16.30	16.19	16.24	16.26	16.35		
10	256QAM	25	0	16.41	16.34	16.37	16.23	16.25	17.5	5
10	256QAM	25	12	16.27	16.30	16.29	16.23	16.34		
10	256QAM	25	25	16.28	16.13	16.32	16.31	16.25		
10	256QAM	50	0	16.11	16.25	16.20	16.24	16.42		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.32	21.32	21.29	21.23	21.38	23	0
5	QPSK	1	12	21.20	21.15	21.27	21.18	21.22		
5	QPSK	1	24	21.18	21.19	21.29	21.14	21.23		
5	QPSK	12	0	20.27	20.20	20.34	20.27	20.33	21.5	1
5	QPSK	12	7	20.27	20.08	20.29	20.28	20.20		
5	QPSK	12	13	20.29	20.18	20.21	20.29	20.31		
5	QPSK	25	0	20.33	20.32	20.36	20.33	20.30		
5	16QAM	1	0	20.32	20.23	20.31	20.25	20.36	21.5	1
5	16QAM	1	12	20.27	20.16	20.26	20.25	20.19		
5	16QAM	1	24	20.22	20.23	20.29	20.20	20.30		
5	16QAM	12	0	19.39	19.28	19.36	19.24	19.39	20.5	2
5	16QAM	12	7	19.34	19.16	19.37	19.24	19.15		
5	16QAM	12	13	19.28	19.15	19.28	19.14	19.23		
5	16QAM	25	0	19.32	19.32	19.38	19.33	19.19		
5	64QAM	1	0	19.31	19.22	19.39	19.28	19.30	20.5	2
5	64QAM	1	12	19.26	19.18	19.24	19.31	19.26		
5	64QAM	1	24	19.13	19.20	19.24	19.15	19.33		
5	64QAM	12	0	18.20	18.22	18.38	18.26	18.37	19.5	3
5	64QAM	12	7	18.25	18.11	18.35	18.17	18.17		
5	64QAM	12	13	18.25	18.21	18.20	18.25	18.20		
5	64QAM	25	0	18.29	18.31	18.36	18.36	18.26		
5	256QAM	1	0	16.31	16.24	16.45	16.21	16.28	17.5	5
5	256QAM	1	12	16.28	16.06	16.43	16.26	16.23		
5	256QAM	1	24	16.28	16.18	16.25	16.23	16.25		
5	256QAM	12	0	16.35	16.37	16.32	16.29	16.32	17.5	5
5	256QAM	12	7	16.25	16.20	16.28	16.16	16.32		
5	256QAM	12	13	16.21	16.10	16.24	16.25	16.31		
5	256QAM	25	0	16.19	16.32	16.29	16.29	16.40		

Band 42 Ant5 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.50	23.51	23.49	24.9	0
20	QPSK	1	49	23.36	23.46	23.39		
20	QPSK	1	99	23.41	23.45	23.36		
20	QPSK	50	0	22.51	22.55	22.49	23.9	1
20	QPSK	50	24	22.40	22.51	22.38		
20	QPSK	50	50	22.44	22.51	22.32		
20	QPSK	100	0	22.47	22.53	22.46		
20	16QAM	1	0	22.52	22.51	22.47	23.9	1
20	16QAM	1	49	22.40	22.48	22.44		
20	16QAM	1	99	22.37	22.46	22.32		
20	16QAM	50	0	21.46	21.50	21.49	22.9	2
20	16QAM	50	24	21.43	21.36	21.40		
20	16QAM	50	50	21.38	21.50	21.28		
20	16QAM	100	0	21.49	21.54	21.45		
20	64QAM	1	0	21.51	21.56	21.49	22.9	2
20	64QAM	1	49	21.46	21.45	21.47		
20	64QAM	1	99	21.32	21.42	21.26		
20	64QAM	50	0	20.52	20.60	20.43	21.9	3
20	64QAM	50	24	20.46	20.44	20.40		
20	64QAM	50	50	20.41	20.45	20.31		
20	64QAM	100	0	20.50	20.56	20.41		
20	256QAM	1	0	18.47	18.58	18.54	19.9	5
20	256QAM	1	49	18.44	18.45	18.42		
20	256QAM	1	99	18.42	18.52	18.27		
20	256QAM	50	0	18.47	18.49	18.42	19.9	5
20	256QAM	50	24	18.47	18.52	18.48		
20	256QAM	50	50	18.35	18.50	18.46		
20	256QAM	100	0	18.38	18.51	18.38		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	23.47	23.46	23.44	24.9	0
15	QPSK	1	37	23.28	23.44	23.32		
15	QPSK	1	74	23.32	23.37	23.23		
15	QPSK	36	0	22.42	22.46	22.42	23.9	1
15	QPSK	36	20	22.28	22.30	22.26		
15	QPSK	36	39	22.37	22.46	22.25		
15	QPSK	75	0	22.43	22.41	22.33		
15	16QAM	1	0	22.49	22.43	22.37	23.9	1
15	16QAM	1	37	22.30	22.39	22.33		
15	16QAM	1	74	22.34	22.42	22.23		
15	16QAM	36	0	21.38	21.45	21.41	22.9	2
15	16QAM	36	20	21.40	21.25	21.28		
15	16QAM	36	39	21.34	21.42	21.19		
15	16QAM	75	0	21.43	21.47	21.35		
15	64QAM	1	0	21.39	21.44	21.44	22.9	2
15	64QAM	1	37	21.33	21.37	21.34		
15	64QAM	1	74	21.28	21.39	21.23		
15	64QAM	36	0	20.41	20.49	20.30	21.9	3
15	64QAM	36	20	20.35	20.36	20.28		
15	64QAM	36	39	20.31	20.41	20.26		
15	64QAM	75	0	20.43	20.49	20.30		
15	256QAM	1	0	18.35	18.47	18.45	19.9	5
15	256QAM	1	37	18.36	18.42	18.37		
15	256QAM	1	74	18.39	18.42	18.20		
15	256QAM	36	0	18.41	18.36	18.37	19.9	5
15	256QAM	36	20	18.33	18.43	18.39		
15	256QAM	36	39	18.25	18.37	18.34		
15	256QAM	75	0	18.30	18.37	18.34		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	23.37	23.43	23.44	24.9	0
10	QPSK	1	25	23.33	23.34	23.26		
10	QPSK	1	49	23.28	23.31	23.23		
10	QPSK	25	0	22.47	22.50	22.47	23.9	1
10	QPSK	25	12	22.28	22.39	22.30		
10	QPSK	25	25	22.41	22.46	22.28		
10	QPSK	50	0	22.40	22.45	22.36		
10	16QAM	1	0	22.46	22.47	22.35	23.9	1
10	16QAM	1	25	22.37	22.34	22.39		
10	16QAM	1	49	22.26	22.39	22.25		
10	16QAM	25	0	21.33	21.43	21.42	22.9	2
10	16QAM	25	12	21.39	21.25	21.36		
10	16QAM	25	25	21.34	21.39	21.17		
10	16QAM	50	0	21.38	21.48	21.36		
10	64QAM	1	0	21.46	21.48	21.46	22.9	2
10	64QAM	1	25	21.36	21.36	21.35		
10	64QAM	1	49	21.27	21.34	21.24		
10	64QAM	25	0	20.46	20.52	20.38	21.9	3
10	64QAM	25	12	20.38	20.33	20.28		
10	64QAM	25	25	20.28	20.34	20.25		
10	64QAM	50	0	20.44	20.43	20.38		
10	256QAM	1	0	18.42	18.49	18.41	19.9	5
10	256QAM	1	25	18.35	18.41	18.38		
10	256QAM	1	49	18.34	18.49	18.17		
10	256QAM	25	0	18.36	18.39	18.40	19.9	5
10	256QAM	25	12	18.40	18.41	18.44		
10	256QAM	25	25	18.21	18.48	18.38		
10	256QAM	50	0	18.33	18.43	18.30		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	23.41	23.45	23.46	24.9	0
5	QPSK	1	12	23.33	23.39	23.33		
5	QPSK	1	24	23.37	23.41	23.26		
5	QPSK	12	0	22.45	22.45	22.40	23.9	1
5	QPSK	12	7	22.34	22.29	22.34		
5	QPSK	12	13	22.34	22.42	22.21		
5	QPSK	25

Band 4 Ant4 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.94	21.13	20.94	22.6	0
20	QPSK	1	49	20.96	21.06	21.02		
20	QPSK	1	99	20.97	21.02	20.92		
20	QPSK	50	0	20.90	21.08	20.99		
20	QPSK	50	24	20.99	21.05	21.04	22.6	0
20	QPSK	50	50	20.94	21.00	20.97		
20	QPSK	100	0	20.92	21.05	20.99		
20	16QAM	1	0	20.96	21.05	20.99		
20	16QAM	1	49	20.92	21.11	20.94	22.6	0
20	16QAM	1	99	21.01	21.07	21.00		
20	16QAM	50	0	20.95	21.05	20.96		
20	16QAM	50	24	21.01	21.03	21.00	22.6	0
20	16QAM	50	50	20.96	21.08	20.95		
20	16QAM	100	0	20.95	21.06	20.93		
20	64QAM	1	0	20.97	21.08	21.00		
20	64QAM	1	49	20.98	20.99	21.01	22.6	0
20	64QAM	1	99	20.95	21.05	20.93		
20	64QAM	50	0	20.93	21.02	21.01		
20	64QAM	50	24	20.98	21.08	21.03	22.6	0
20	64QAM	50	50	20.93	21.07	21.00		
20	64QAM	100	0	20.98	21.04	20.98		
20	256QAM	1	0	18.99	19.01	18.94		
20	256QAM	1	49	19.00	19.05	18.96	20.6	2
20	256QAM	1	99	18.92	19.01	18.96		
20	256QAM	50	0	18.98	19.05	18.98		
20	256QAM	50	24	18.94	19.01	19.03	20.6	2
20	256QAM	50	50	18.94	19.06	18.98		
20	256QAM	100	0	18.93	19.05	18.96		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.80	21.01	20.89	22.6	0
15	QPSK	1	37	20.83	20.97	20.87		
15	QPSK	1	74	20.82	20.89	20.77		
15	QPSK	36	0	20.77	20.89	20.84		
15	QPSK	36	20	20.89	20.92	20.97	22.6	0
15	QPSK	36	39	20.83	20.86	20.83		
15	QPSK	75	0	20.87	21.04	20.87		
15	16QAM	1	0	20.81	20.94	20.95		
15	16QAM	1	37	20.81	21.02	20.79	22.6	0
15	16QAM	1	74	20.95	20.98	20.86		
15	16QAM	36	0	20.91	20.97	20.88		
15	16QAM	36	20	20.90	20.95	20.95	22.6	0
15	16QAM	36	39	20.81	21.01	20.82		
15	16QAM	75	0	20.83	20.99	20.80		
15	64QAM	1	0	20.82	20.94	20.95		
15	64QAM	1	37	20.91	20.88	20.88	22.6	0
15	64QAM	1	74	20.89	20.91	20.89		
15	64QAM	36	0	20.80	20.87	20.93		
15	64QAM	36	20	20.93	20.97	20.93	22.6	0
15	64QAM	36	39	20.78	20.95	20.90		
15	64QAM	75	0	20.89	20.95	20.85		
15	256QAM	1	0	18.89	18.92	18.78		
15	256QAM	1	37	18.91	18.99	18.81	20.6	2
15	256QAM	1	74	18.76	18.96	18.89		
15	256QAM	36	0	18.89	18.96	18.82		
15	256QAM	36	20	18.85	18.93	18.99	20.6	2
15	256QAM	36	39	18.78	19.01	18.94		
15	256QAM	75	0	18.79	18.99	18.92		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.85	20.98	20.84	22.6	0
10	QPSK	1	25	20.83	21.01	20.94		
10	QPSK	1	49	20.92	20.92	20.88		
10	QPSK	25	0	20.84	20.86	20.90		
10	QPSK	25	12	20.92	21.00	20.90	22.6	0
10	QPSK	25	25	20.88	20.87	20.86		
10	QPSK	50	0	20.82	21.03	20.90		
10	16QAM	1	0	20.84	20.91	20.87		
10	16QAM	1	25	20.83	21.06	20.86	22.6	0
10	16QAM	1	49	20.89	20.98	20.86		
10	16QAM	25	0	20.80	20.91	20.91		
10	16QAM	25	12	20.96	20.95	20.86	22.6	0
10	16QAM	25	25	20.90	20.93	20.79		
10	16QAM	50	0	20.84	20.95	20.87		
10	64QAM	1	0	20.84	21.01	20.92		
10	64QAM	1	25	20.86	20.91	20.85	22.6	0
10	64QAM	1	49	20.83	20.97	20.79		
10	64QAM	25	0	20.79	20.87	20.89		
10	64QAM	25	12	20.85	21.03	20.92	22.6	0
10	64QAM	25	25	20.86	20.94	20.96		
10	64QAM	50	0	20.88	20.91	20.93		
10	256QAM	1	0	18.84	18.89	18.80		
10	256QAM	1	25	18.92	18.94	18.85	20.6	2
10	256QAM	1	49	18.82	18.95	18.82		
10	256QAM	25	0	18.82	18.93	18.93		
10	256QAM	25	12	18.88	18.90	18.93	20.6	2
10	256QAM	25	25	18.80	18.92	18.87		
10	256QAM	50	0	18.89	18.90	18.86		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.83	20.98	20.81	22.6	0
5	QPSK	1	12	20.82	20.92	20.90		
5	QPSK	1	24	20.91	20.89	20.86		
5	QPSK	12	0	20.84	20.88	20.84		
5	QPSK	12	7	20.88	20.96	20.96	22.6	0
5	QPSK	12	13	20.85	20.92	20.89		
5	QPSK	25	0	20.79	20.96	20.94		
5	16QAM	1	0	20.87	21.00	20.85		
5	16QAM	1	12	20.82	21.05	20.85	22.6	0
5	16QAM	1	24	20.91	21.02	20.96		
5	16QAM	12	0	20.83	20.89	20.90		
5	16QAM	12	7	20.96	20.92	20.85	22.6	0
5	16QAM	12	13	20.81	21.03	20.80		
5	16QAM	25	0	20.88	20.90	20.77		
5	64QAM	1	0	20.92	21.00	20.86		
5	64QAM	1	12	20.91	20.86	20.86	22.6	0
5	64QAM	1	24	20.87	20.98	20.78		
5	64QAM	12	0	20.87	20.86	20.91		
5	64QAM	12	7	20.90	21.00	20.96	22.6	0
5	64QAM	12	13	20.84	20.98	20.84		
5	64QAM	25	0	20.84	20.98	20.93		
5	256QAM	1	0	18.93	18.90	18.84		
5	256QAM	1	12	18.90	18.98	18.87	20.6	2
5	256QAM	1	24	18.76	18.92	18.82		
5	256QAM	12	0	18.85	18.98	18.84		
5	256QAM	12	7	18.82	18.85	18.89	20.6	2
5	256QAM	12	13	18.79	19.01	18.87		
5	256QAM	25	0	18.81	19.00	18.92		
Channel				19925	20175	20425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.88	21.00	20.84	22.6	0
3	QPSK	1	8	20.91	20.91	20.91		
3	QPSK	1	14	20.82	20.91	20.80		
3	QPSK	8	0	20.79	20.92	20.89		
3	QPSK	8	4	20.95	20.97	20.99	22.6	0
3	QPSK	8	7	20.80	20.89	20.82		
3	QPSK	15	0	20.77	21.05	20.90		
3	16QAM	1	0	20.89	20.91	20.86		
3	16QAM	1	8	20.80	21.03	20.83	22.6	0
3	16QAM	1	14	20.88	20.99	20.91		
3	16QAM	8	0	20.82	20.99	20.92		
3	16QAM	8	4	20.90	20.96	20.89	22.6	0
3	16QAM	8	7	20.89	20.98	20.87		
3	16QAM	15	0	20.81	20.95	20.79		
3	64QAM	1	0	20.93	21.02	20.87		
3	64QAM	1	8	20.87	20.88	20.94	22.6	0
3	64QAM	1	14	20.80	20.92	20.83		
3	64QAM	8	0	20.87	20.97	20.94		
3	64QAM	8	4	20.88	20.97	20.94	22.6	0
3	64QAM	8	7	20.82	20.94	20.90		
3	64QAM	15	0	20.85	21.00	20.90		
3	256QAM	1	0	18.85	18.96	18.88		
3	256QAM	1	8	18.93	19.00	18.88	20.6	2
3	256QAM	1	14	18.76	18.85	18.82		
3	256QAM	8	0	18.87	18.93	18.93		
3	256QAM	8	4	18.85	18.93	18.99	20.6	2
3	256QAM	8	7	18.88	18.96	18.86		
3	256QAM	15	0	18.80	18.89	18.85		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.82	20.97	20.87	22.6	0
1.4	QPSK	1	3	20.90	20.96	20.92		
1.4	QPSK	1	5	20.81	20.92	20.84		
1.4	QPSK	3	0	20.75	20.88	20.85		
1.4	QPSK	3	1	20.85	20.92	20.98		
1.4	QPSK	3	3	20.80	20.93	20.83		
1.4	QPSK	6	0	20.81	20.98	20.91	22.6	0
1.4	16QAM	1	0	20.92	20.93	20.90	22.6	0
1.4	16QAM	1	3	20.86	20.96	20.80		
1.4	16QAM	1	5	20.88	20.96	20.88		
1.4	16QAM	3	0	20.85	20.98	20.90		
1.4	16QAM	3	1	20.97	20.89	20.90		
1.4	16QAM	3	3	20.89	20.98	20.84		
1.4	16QAM	6	0	20.85	20.96	20.86	22.6	0
1.4	64QAM	1	0	20.87	20.93	20.92	22.6	0
1.4	64QAM	1	3	20.86	20.85	20.87		
1.4	64QAM	1	5	20.83	20.98	20.87		
1.4	64QAM	3	0	20.82	20.92	20.93		
1.4	64QAM	3	1	20.90	21.01	20.96		
1.4	64QAM	3	3	20.83	21.00	20.86		
1.4	64QAM	6	0	20.84	20.93	20.85	22.6	0
1.4	256QAM	1	0	18.92	18.89	18.85	20.6	2
1.4	256QAM	1	3	18.89	18.97	18.90		
1.4	256QAM	1	5	18.77	18.90	18.84		
1.4	256QAM	3	0	18.87	18.99	18.88		
1.4	256QAM	3	1	18.89	18.89	18.88		
1.4	256QAM	3	3	18.79	18.95	18.93		
1.4	256QAM	6	0	18.83	18.94	18.84	20.6	2

Band 7 Ant4 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.49	18.69	18.67	20	0
20	QPSK	1	49	18.58	18.65	18.59		
20	QPSK	1	99	18.55	18.63	18.58		
20	QPSK	50	0	18.60	18.68	18.56		
20	QPSK	50	24	18.59	18.58	18.60		
20	QPSK	50	50	18.52	18.58	18.60		
20	QPSK	100	0	18.52	18.59	18.56		
20	16QAM	1	0	18.58	18.63	18.59		
20	16QAM	1	49	18.50	18.60	18.61	20	0
20	16QAM	1	99	18.53	18.65	18.62		
20	16QAM	50	0	18.54	18.61	18.66		
20	16QAM	50	24	18.57	18.66	18.56	20	0
20	16QAM	50	50	18.54	18.57	18.61		
20	16QAM	100	0	18.57	18.64	18.63		
20	64QAM	1	0	18.49	18.58	18.65		
20	64QAM	1	49	18.54	18.67	18.55	20	0
20	64QAM	1	99	18.54	18.59	18.62		
20	64QAM	50	0	18.55	18.59	18.57		
20	64QAM	50	24	18.58	18.68	18.56	20	0
20	64QAM	50	50	18.58	18.59	18.63		
20	64QAM	100	0	18.56	18.67	18.62		
20	256QAM	1	0	17.99	18.12	18.10		
20	256QAM	1	49	18.04	18.09	18.12	19.5	0.5
20	256QAM	1	99	18.00	18.09	18.09		
20	256QAM	50	0	18.08	18.09	18.08		
20	256QAM	50	24	18.02	18.15	18.09	19.5	0.5
20	256QAM	50	50	18.01	18.12	18.11		
20	256QAM	100	0	18.02	18.06	18.11		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.40	18.51	18.60	20	0
15	QPSK	1	37	18.46	18.55	18.51		
15	QPSK	1	74	18.46	18.47	18.42		
15	QPSK	36	0	18.49	18.55	18.49		
15	QPSK	36	20	18.51	18.51	18.44	20	0
15	QPSK	36	39	18.45	18.47	18.52		
15	QPSK	75	0	18.41	18.52	18.51		
15	16QAM	1	0	18.52	18.49	18.48		
15	16QAM	1	37	18.46	18.55	18.46	20	0
15	16QAM	1	74	18.40	18.54	18.57		
15	16QAM	36	0	18.46	18.55	18.55		
15	16QAM	36	20	18.48	18.54	18.45	20	0
15	16QAM	36	39	18.44	18.43	18.48		
15	16QAM	75	0	18.47	18.56	18.57		
15	64QAM	1	0	18.40	18.50	18.57		
15	64QAM	1	37	18.44	18.56	18.51	20	0
15	64QAM	1	74	18.38	18.44	18.57		
15	64QAM	36	0	18.44	18.51	18.43		
15	64QAM	36	20	18.47	18.59	18.51	20	0
15	64QAM	36	39	18.50	18.53	18.59		
15	64QAM	75	0	18.51	18.54	18.58		
15	256QAM	1	0	17.90	18.07	17.95		
15	256QAM	1	37	17.99	17.96	18.06	19.5	0.5
15	256QAM	1	74	17.91	17.93	18.04		
15	256QAM	36	0	17.98	18.04	17.93		
15	256QAM	36	20	17.87	18.11	17.99	19.5	0.5
15	256QAM	36	39	17.97	17.97	18.01		
15	256QAM	75	0	17.93	18.01	18.03		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.41	18.50	18.57	20	0
10	QPSK	1	25	18.47	18.53	18.44		
10	QPSK	1	49	18.44	18.47	18.46		
10	QPSK	25	0	18.51	18.59	18.41		
10	QPSK	25	12	18.47	18.46	18.51	20	0
10	QPSK	25	25	18.37	18.54	18.50		
10	QPSK	50	0	18.46	18.55	18.41		
10	16QAM	1	0	18.53	18.58	18.55		
10	16QAM	1	25	18.35	18.55	18.51	20	0
10	16QAM	1	49	18.44	18.54	18.58		
10	16QAM	25	0	18.42	18.57	18.52		
10	16QAM	25	12	18.43	18.52	18.50	20	0
10	16QAM	25	25	18.49	18.53	18.47		
10	16QAM	50	0	18.42	18.57	18.57		
10	64QAM	1	0	18.38	18.42	18.59		
10	64QAM	1	25	18.46	18.57	18.44	20	0
10	64QAM	1	49	18.44	18.46	18.55		
10	64QAM	25	0	18.46	18.51	18.50		
10	64QAM	25	12	18.49	18.63	18.49	20	0
10	64QAM	25	25	18.54	18.54	18.51		
10	64QAM	50	0	18.52	18.56	18.48		
10	256QAM	1	0	17.90	18.01	18.06		
10	256QAM	1	25	17.92	18.00	17.99	19.5	0.5
10	256QAM	1	49	17.84	18.04	17.96		
10	256QAM	25	0	17.94	17.93	18.00		
10	256QAM	25	12	17.92	18.09	17.98	19.5	0.5
10	256QAM	25	25	17.89	18.01	17.99		
10	256QAM	50	0	17.97	17.97	17.97		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.43	18.50	18.60	20	0
5	QPSK	1	12	18.44	18.49	18.54		
5	QPSK	1	24	18.50	18.56	18.43		
5	QPSK	12	0	18.46	18.61	18.51	20	0
5	QPSK	12	7	18.52	18.50	18.50		
5	QPSK	12	13	18.42	18.50	18.54		
5	QPSK	25	0	18.39	18.53	18.48		
5	16QAM	1	0	18.48	18.54	18.46		
5	16QAM	1	12	18.38	18.52	18.56	20	0
5	16QAM	1	24	18.44	18.56	18.52		
5	16QAM	12	0	18.43	18.57	18.59		
5	16QAM	12	7	18.46	18.61	18.42	20	0
5	16QAM	12	13	18.43	18.46	18.58		
5	16QAM	25	0	18.42	18.49	18.59		
5	64QAM	1	0	18.34	18.43	18.58		
5	64QAM	1	12	18.41	18.54	18.44	20	0
5	64QAM	1	24	18.52	18.54	18.52		
5	64QAM	12	0	18.45	18.45	18.47		
5	64QAM	12	7	18.44	18.61	18.42	20	0
5	64QAM	12	13	18.51	18.45	18.53		
5	64QAM	25	0	18.48	18.60	18.58		
5	256QAM	1	0	17.89	18.01	18.01		
5	256QAM	1	12	17.95	18.01	17.97	19.5	0.5
5	256QAM	1	24	17.91	18.02	17.96		
5	256QAM	12	0	18.03	17.99	17.96		
5	256QAM	12	7	17.98	18.02	17.98	19.5	0.5
5	256QAM	12	13	17.85	18.04	18.03		
5	256QAM	25	0	17.93	17.92	17.98		

Band 66 Ant4 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	20.86	21.13	20.86	22.6	0
20	QPSK	1	49	20.84	20.98	20.82		
20	QPSK	1	99	20.79	21.01	20.80		
20	QPSK	50	0	20.95	21.10	20.86		
20	QPSK	50	24	20.86	21.09	20.92	22.6	0
20	QPSK	50	50	20.92	20.92	20.95		
20	QPSK	100	0	20.88	21.04	20.88		
20	16QAM	1	0	20.94	20.92	20.89		
20	16QAM	1	49	20.97	21.07	20.86	22.6	0
20	16QAM	1	99	20.98	21.06	20.87		
20	16QAM	50	0	20.87	20.94	20.75		
20	16QAM	50	24	20.86	21.01	20.88	22.6	0
20	16QAM	50	50	20.93	21.01	20.83		
20	16QAM	100	0	21.00	21.06	20.75		
20	64QAM	1	0	20.94	21.09	20.79		
20	64QAM	1	49	20.83	21.09	20.77	22.6	0
20	64QAM	1	99	20.89	21.00	20.82		
20	64QAM	50	0	20.88	21.07	20.90		
20	64QAM	50	24	20.92	20.94	20.83	22.6	0
20	64QAM	50	50	20.80	21.09	20.77		
20	64QAM	100	0	20.89	21.08	20.86		
20	256QAM	1	0	18.94	19.07	18.85		
20	256QAM	1	49	18.97	18.93	18.88	20.6	2
20	256QAM	1	99	18.89	18.94	18.86		
20	256QAM	50	0	18.98	19.04	18.86		
20	256QAM	50	24	18.79	19.07	18.85	20.6	2
20	256QAM	50	50	18.95	19.10	18.85		
20	256QAM	100	0	18.84	19.05	18.93		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.77	21.02	20.79	22.6	0
15	QPSK	1	37	20.80	20.81	20.74		
15	QPSK	1	74	20.77	20.83	20.69		
15	QPSK	36	0	20.76	20.96	20.66		
15	QPSK	36	20	20.73	20.91	20.75	22.6	0
15	QPSK	36	39	20.88	20.82	20.84		
15	QPSK	75	0	20.74	21.01	20.70		
15	16QAM	1	0	20.84	20.92	20.86		
15	16QAM	1	37	20.85	20.90	20.75	22.6	0
15	16QAM	1	74	20.87	20.90	20.76		
15	16QAM	36	0	20.75	20.87	20.71		
15	16QAM	36	20	20.77	20.91	20.79	22.6	0
15	16QAM	36	39	20.83	20.95	20.67		
15	16QAM	75	0	20.88	20.89	20.64		
15	64QAM	1	0	20.77	20.96	20.66		
15	64QAM	1	37	20.80	20.96	20.75	22.6	0
15	64QAM	1	74	20.83	20.86	20.73		
15	64QAM	36	0	20.80	20.89	20.81		
15	64QAM	36	20	20.88	20.90	20.74	22.6	0
15	64QAM	36	39	20.79	20.91	20.74		
15	64QAM	75	0	20.82	20.93	20.83		
15	256QAM	1	0	18.81	19.00	18.68		
15	256QAM	1	37	18.81	18.88	18.82	20.6	2
15	256QAM	1	74	18.81	18.90	18.77		
15	256QAM	36	0	18.83	18.88	18.80		
15	256QAM	36	20	18.68	18.98	18.76	20.6	2
15	256QAM	36	39	18.85	18.99	18.78		
15	256QAM	75	0	18.80	18.95	18.76		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.74	20.94	20.79	22.6	0
10	QPSK	1	25	20.69	20.89	20.69		
10	QPSK	1	49	20.71	20.94	20.67		
10	QPSK	25	0	20.83	20.92	20.75		
10	QPSK	25	12	20.79	20.92	20.75	22.6	0
10	QPSK	25	25	20.81	20.93	20.86		
10	QPSK	50	0	20.85	20.93	20.71		
10	16QAM	1	0	20.79	20.90	20.79		
10	16QAM	1	25	20.85	20.98	20.70	22.6	0
10	16QAM	1	49	20.87	20.89	20.67		
10	16QAM	25	0	20.75

Band 38 Ant4 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.16	22.39	22.17		
20	QPSK	1	49	22.16	22.19	22.20	23.6	0
20	QPSK	1	99	22.21	22.17	22.14		
20	QPSK	50	0	22.14	22.31	22.11		
20	QPSK	50	24	22.18	22.25	22.16	23.6	0
20	QPSK	50	50	22.16	22.28	22.15		
20	QPSK	100	0	22.23	22.28	22.10		
20	16QAM	1	0	22.17	22.21	22.21		
20	16QAM	1	49	22.20	22.18	22.19	23.6	0
20	16QAM	1	99	22.13	22.21	22.10		
20	16QAM	50	0	21.12	21.41	21.12		
20	16QAM	50	24	21.13	21.21	21.17	22.6	1
20	16QAM	50	50	21.22	21.20	21.17		
20	16QAM	100	0	21.17	21.29	21.16		
20	64QAM	1	0	21.19	21.25	21.22		
20	64QAM	1	49	21.19	21.30	21.18	22.6	1
20	64QAM	1	99	21.18	21.26	21.15		
20	64QAM	50	0	20.17	20.34	20.18		
20	64QAM	50	24	20.18	20.13	20.25	21.6	2
20	64QAM	50	50	20.18	20.13	20.14		
20	64QAM	100	0	20.16	20.33	20.07		
20	256QAM	1	0	18.11	18.37	18.22		
20	256QAM	1	49	18.15	18.19	18.24	19.6	4
20	256QAM	1	99	18.23	18.19	18.10		
20	256QAM	50	0	18.14	18.30	18.16		
20	256QAM	50	24	18.21	18.29	18.20	19.6	4
20	256QAM	50	50	18.16	18.31	18.10		
20	256QAM	100	0	18.26	18.32	18.08		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.11	22.35	22.11		
15	QPSK	1	37	22.10	22.16	22.10	23.6	0
15	QPSK	1	74	22.16	22.07	22.01		
15	QPSK	36	0	22.04	22.22	22.07		
15	QPSK	36	20	22.09	22.18	22.11	23.6	0
15	QPSK	36	39	22.14	22.18	22.04		
15	QPSK	75	0	22.11	22.25	22.01		
15	16QAM	1	0	22.04	22.08	22.09		
15	16QAM	1	37	22.12	22.06	22.16	23.6	0
15	16QAM	1	74	22.11	22.14	22.04		
15	16QAM	36	0	21.01	21.34	20.98		
15	16QAM	36	20	21.00	21.12	21.06	22.6	1
15	16QAM	36	39	21.15	21.07	21.08		
15	16QAM	75	0	21.12	21.19	21.08		
15	64QAM	1	0	21.13	21.16	21.19		
15	64QAM	1	37	21.12	21.28	21.09	22.6	1
15	64QAM	1	74	21.08	21.20	21.10		
15	64QAM	36	0	20.13	20.21	20.10		
15	64QAM	36	20	20.07	20.03	20.23	21.6	2
15	64QAM	36	39	20.04	20.09	20.08		
15	64QAM	75	0	20.06	20.25	20.01		
15	256QAM	1	0	18.08	18.32	18.20		
15	256QAM	1	37	18.08	18.06	18.20	19.6	4
15	256QAM	1	74	18.16	18.09	18.00		
15	256QAM	36	0	18.04	18.26	18.12		
15	256QAM	36	20	18.08	18.18	18.17	19.6	4
15	256QAM	36	39	18.10	18.24	18.04		
15	256QAM	75	0	18.19	18.21	17.96		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.09	22.34	22.13		
10	QPSK	1	25	22.08	22.15	22.08	23.6	0
10	QPSK	1	49	22.17	22.08	22.04		
10	QPSK	25	0	22.01	22.26	22.03		
10	QPSK	25	12	22.12	22.19	22.05	23.6	0
10	QPSK	25	25	22.06	22.19	22.07		
10	QPSK	50	0	22.18	22.25	22.03		
10	16QAM	1	0	22.07	22.08	21.99		
10	16QAM	1	25	22.07	22.15	22.05	23.6	0
10	16QAM	1	49	22.09	22.08	22.08		
10	16QAM	25	0	21.00	21.32	21.05		
10	16QAM	25	12	20.99	21.11	21.10	22.6	1
10	16QAM	25	25	21.16	21.09	21.10		
10	16QAM	50	0	21.07	21.17	21.03		
10	64QAM	1	0	21.14	21.16	21.16		
10	64QAM	1	25	21.16	21.16	21.08	22.6	1
10	64QAM	1	49	21.07	21.18	21.11		
10	64QAM	25	0	20.12	20.25	20.15		
10	64QAM	25	12	20.09	20.05	20.14	21.6	2
10	64QAM	25	25	20.16	20.01	20.04		
10	64QAM	50	0	20.14	20.28	19.93		
10	256QAM	1	0	18.07	18.27	18.12		
10	256QAM	1	25	18.02	18.11	18.20	19.6	4
10	256QAM	1	49	18.14	18.07	18.05		
10	256QAM	25	0	18.06	18.24	18.08		
10	256QAM	25	12	18.14	18.17	18.15	19.6	4
10	256QAM	25	25	18.14	18.20	18.03		
10	256QAM	50	0	18.15	18.22	18.02		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.14	22.34	22.09		
5	QPSK	1	12	22.04	22.08	22.10	23.6	0
5	QPSK	1	24	22.13	22.09	22.02		
5	QPSK	12	0	22.00	22.18	22.06		
5	QPSK	12	7	22.13	22.14	22.08	23.6	0
5	QPSK	12	13	22.11	22.21	22.07		
5	QPSK	25	0	22.13	22.23	22.07		
5	16QAM	1	0	22.05	22.07	22.05		
5	16QAM	1	12	22.12	22.11	22.09	23.6	0
5	16QAM	1	24	22.08	22.17	22.08		
5	16QAM	12	0	21.07	21.27	21.00		
5	16QAM	12	7	21.09	21.16	21.15	22.6	1
5	16QAM	12	13	21.12	21.07	21.04		
5	16QAM	25	0	21.07	21.24	21.06		
5	64QAM	1	0	21.13	21.12	21.18		
5	64QAM	1	12	21.09	21.25	21.06	22.6	1
5	64QAM	1	24	21.07	21.21	21.13		
5	64QAM	12	0	20.11	20.29	20.11		
5	64QAM	12	7	20.05	20.15	20.18	21.6	2
5	64QAM	12	13	20.06	20.01	20.12		
5	64QAM	25	0	20.03	20.20	19.93		
5	256QAM	1	0	18.02	18.28	18.13		
5	256QAM	1	12	18.01	18.06	18.16	19.6	4
5	256QAM	1	24	18.18	18.10	17.97		
5	256QAM	12	0	18.06	18.21	18.11		
5	256QAM	12	7	18.11	18.24	18.16	19.6	4
5	256QAM	12	13	18.12	18.24	18.05		
5	256QAM	25	0	18.21	18.26	18.01		

Band 41 Ant4 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	21.09	21.04	21.39	21.06	21.13	
20	QPSK	1	49	21.06	21.14	21.13	20.99	21.11	22.6	0
20	QPSK	1	99	21.09	21.08	21.17	21.11	21.09	
20	QPSK	50	0	21.10	21.08	21.23	21.01	21.16	
20	QPSK	50	24	21.18	21.12	21.20	21.04	21.14	22.6	0
20	QPSK	50	50	21.16	21.02	21.18	21.09	21.17	
20	QPSK	100	0	21.14	21.09	21.18	21.06	21.10	
20	16QAM	1	0	21.09	21.12	21.14	21.01	21.12	
20	16QAM	1	49	21.14	21.12	21.22	21.06	21.11	22.6	0
20	16QAM	1	99	21.15	21.10	21.22	21.10	21.18	
20	16QAM	50	0	21.07	21.05	21.19	21.04	21.13	
20	16QAM	50	24	21.13	21.03	21.16	21.05	21.09	22.6	0
20	16QAM	50	50	21.16	21.08	21.15	21.09	21.16	
20	16QAM	100	0	21.14	21.08	21.22	21.02	21.19	
20	64QAM	1	0	21.10	21.11	21.20	21.10	21.13	
20	64QAM	1	49	21.16	21.04	21.23	20.99	21.11	22.6	0
20	64QAM	1	99	21.17	21.13	21.20	21.06	21.11	
20	64QAM	50	0	20.11	20.02	20.43	20.10	20.13	
20	64QAM	50	24	20.06	20.11	20.09	20.03	20.08	21.6	1
20	64QAM	50	50	20.12	20.13	20.19	20.17	20.07	
20	64QAM	100	0	20.06	20.11	20.22	20.05	20.22	
20	256QAM	1	0	18.05	18.05	18.35	18.11	18.07	
20	256QAM	1	49	18.09	18.11	18.16	17.97	18.08	19.6	3
20	256QAM	1	99	18.06	18.03	18.15	18.07	18.04	
20	256QAM	50	0	18.08	18.10	18.22	18.00	18.15	
20	256QAM	50	24	18.16	18.17	18.24	18.01	18.14	19.6	3
20	256QAM	50	50	18.13	18.00	18.15	18.11	18.12	
20	256QAM	100	0	18.10	18.12	18.22	18.07	18.13	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.06	20.99	21.33	20.95	21.09		
15	QPSK	1	37	21.05	21.12	21.04	20.88	21.00	23	0
15	QPSK	1	74	21.04	20.98	21.14	21.02	21.04		
15	QPSK	36	0	21.03	21.07	21.21	20.95	21.11		
15	QPSK	36	20	21.10	21.10	21.08	20.93	21.08	22.6	0
15	QPSK	36	39	21.07	20.96	21.14	21.01	21.10		
15	QPSK	75	0	21.13	21.07	21.17	20.99	21.09		
15	16QAM	1	0	21.07	21.12	21.03	20.94	21.10		
15	16QAM	1	37	21.08	21.06	21.13	21.01	21.10	22.6	0
15	16QAM	1	74	21.12	21.07	21.19	21.04	21.10		
15	16QAM	36	0	20.98	20.95	21.18	20.97	21.06		
15	16QAM	36	20	21.06	20.97	21.11	21.03	21.07	22.6	0
15	16QAM	36	39	21.13	21.07	21.08	21.02	21.11		
15	16QAM	75	0	21.09	20.96	21.20	20.96	21.08		
15	64QAM	1	0	21.08	21.04	21.11	21.05	21.03		
15	64QAM	1	37	21.16	20.92	21.12	20.88	21.08	22.6	0
15	64QAM	1	74	21.17	21.08	21.16	21.00	21.11		
15	64QAM	36	0	20.05	19.97	20.31	20.03	20.01		
15	64QAM	36	20	20.00	19.99	20.04	19.96	20.01	21.6	1
15	64QAM	36	39	20.06	20.06	20.10	20.08	19.98		
15	64QAM	75	0	20.02	20.10	20.13	20.00	20.18		
15	256QAM	1	0	17.97	17.96	18.32	17.99	18.05		
15	256QAM	1	37	18.02	18.02	18.08	17.97	18.01	19.6	3
15	256QAM	1	74	17.94	18.00	18.15	18.03	18.04		
15	256QAM	36	0	18.07	18.05	18.21	17.94	18.15		
15	256QAM	36	20	18.11	18.12	18.16	17.97	18.05	19.6	3
15	256QAM	36	39	18.02	17.99	18.07	18.00	18.09		
15	256QAM	75	0	17.98	18.08	18.20	18.01	18.04		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.02	20.93	21.27	21.03	21.07		
10	QPSK	1	25	21.02	21.08	21.09	20.88	21.07	23	0
10	QPSK	1	49	21.00	21.04	21.14	21.10	21.05		
10	QPSK	25	0	21.06	20.97	21.18	20.98	21.14		
10	QPSK	25	12	22.15	21.02	21.12	20.98	21.05	22.6	0
10	QPSK	25	25	21.12	20.98	21.14	20.97	21.13		
10	QPSK	50	0	21.06	20.99	21.10	20.96	21.08		
10	16QAM	1	0	21.09	21.01	21.04	20.94	21.07		
10	16QAM	1	25	21.12	21.02	21.15	21.04	21.03	22.6	0
10	16QAM	1	49	21.04	20.99	21.19	21.08	21.07		
10	16QAM	25	0	20.97	20.95	21.09	20.96	21.08		
10	16QAM	25	12	21.07	21.03	21.15	21.04	21.05	22.6	0
10	16QAM	25	25	21.12	21.00	21.06	21.00	21.05		
10	16QAM	50	0	21.14	20.97	21.20	20.97	21.15		
10	64QAM	1	0	21.03	21.09	21.18	20.99	21.04		
10	64QAM	1	25	21.09	20.92	21.14	20.98	21.08	22.6	0
10	64QAM	1	49	21.09	21.11	21.09	20.95	20.99		
10	64QAM	25	0	20.06	19.94	20.38	19.99	20.04		
10	64QAM	25	12	19.98	20.02	19.97	20.00	20.06	21.6	1
10	64QAM	25	25	20.00	20.10	20.15	20.09	19.98		
10	64QAM	50	0	20.00	20.01	20.11	19.94	20.13		
10	256QAM	1	0	17.96	18.04	18.26	18.04	18.05		
10	256QAM	1	25	18.03	18.04	18.09	17.90	18.02	19.6	3
10	256QAM	1	49	17.98	17.98	18.08	17.99	17.99		
10	256QAM	25	0	18.03	18.04	18.16	17.91	18.14		
10	256QAM	25	12	18.08	18.08	18.13	17.98	18.07	19.6	3
10	256QAM	25	25	18.08	17.94	18.12	18.02	18.01		
10	256QAM	50	0	18.07	18.03	18.17	18.06	18.09		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.03	20.93	21.33	20.99	21.09		
5	QPSK	1	12	21.04	21.13	21.10	20.95	21.00	23	0
5	QPSK	1	24	21.02	21.05	21.05	21.08	21.07		
5	QPSK	12	0	21.03	21.06	21.17	20.94	21.13		
5	QPSK	12	7	21.16	21.06	21.11	21.00	21.08	22.6	0
5	QPSK	12	13	21.07	20.99	21.12	21.05	21.15		
5	QPSK	25	0	21.06	21.06	21.08	20.96	21.08		
5	16QAM	1	0	21.05	21.02	21.10	20.97	21.08		
5	16QAM	1	12	21.05	21.02	21.11	21.01	21.03	22.6	0
5	16QAM	1	24	21.06	21.04	21.14	21.05	21.12		
5	16QAM	12	0	21.00	21.03	21.07	21.02	21.03		
5	16QAM	12	7	21.02	20.92	21.09	21.03	20.98	22.6	0
5	16QAM	12	13	21.05	21.05	21.10	21.01	21.05		
5	16QAM	25	0	21.08	20.99	21.16	21.00	21.19		
5	64QAM	1	0	21.09	21.06	21.09	21.00	21.07		
5	64QAM	1	12	21.07	21.03	21.20	20.87	21.04	22.6	0
5	64QAM	1	24	21.07	21.11	21.12	20.95	21.08		
5	64QAM	12	0	20.01	19.92	20.32	20.10	20.04		
5	64QAM	12	7	19.98	20.00	20.02	19.94	20.07	21.6	1
5	64QAM	12	13	20.00	20.09	20.13	20.06	20.02		
5	64QAM	25	0	20.04	20.05	20.11	20.04	20.17		
5	256QAM	1	0	18.01	17.94	18.31	18.10	18.06		
5	256QAM	1	12	18.04	18.00	18.05	17.87	17.96	19.6	3
5	256QAM	1	24	18.00	17.95	18.13	18.00	18.02		
5	256QAM	12	0	17.98	18.08	18.13	17.98	18.05		
5	256QAM	12	7	18.09	18.06	18.14	17.99	18.05	19.6	3
5	256QAM	12	13	18.13	17.97	18.11	18.10	18.11		
5	256QAM	25	0	18.05	18.03	18.13	17.97	18.06		

Band 42 Ant4 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.05	22.34	22.10		
20	QPSK	1	49	22.06	22.12	22.14	22.7	0
20	QPSK	1	99	22.08	22.14	22.05		
20	QPSK	50	0	22.03	22.25	22.13		
20	QPSK	50	24	22.07	22.12	22.15	22.7	0
20	QPSK	50	50	22.03	22.16	22.12		
20	QPSK	100	0	22.12	22.18	22.06		
20	16QAM	1	0	22.08	22.17	22.13		
20	16QAM	1	49	22.06	22.14	22.08	22.7	0
20	16QAM	1	99	22.04	22.16	22.12		
20	16QAM	50	0	22.10	22.08	22.07		
20	16QAM	50	24	22.11	22.11	22.08	22.7	0
20	16QAM	50	50	22.03	22.14	22.09		
20	16QAM	100	0	22.04	22.10	22.13		
20	64QAM	1	0	22.11	22.10	22.06		
20	64QAM	1	49	22.09	22.10	22.14	22.7	0
20	64QAM	1	99	22.10	22.17	22.10		
20	64QAM	50	0	22.04	22.11	22.14		
20	64QAM	50	24	22.03	22.08	22.11	22.7	0
20	64QAM	50	50	22.06	22.16	22.14		
20	64QAM	100	0	22.05	22.08	22.10		
20	256QAM	1	0	20.06	20.11	20.14		
20	256QAM	1	49	20.06	20.14	20.13	20.7	2
20	256QAM	1	99	20.07	20.15	20.15		
20	256QAM	50	0	20.05	20.10	20.10		
20	256QAM	50	24	20.04	20.09	20.09	20.7	2
20	256QAM	50	50	20.13	20.14	20.12		
20	256QAM	100	0	20.13	20.18	20.06		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	21.91	21.93	21.96		
15	QPSK	1	37	22.02	21.98	22.03	22.7	0
15	QPSK	1	74	21.94	22.03	21.91		
15	QPSK	36	0	21.97	22.05	22.05		
15	QPSK	36	20	21.93	21.99	22.01	22.7	0
15	QPSK	36	39	21.88	22.07	22.03		
15	QPSK	75	0	22.01	22.08	22.00		
15	16QAM	1	0	21.95	22.06	22.07		
15	16QAM	1	37	21.96	22.06	22.04	22.7	0
15	16QAM	1	74	21.90	22.08	21.98		
15	16QAM	36	0	22.06	22.03	22.00		
15	16QAM	36	20	22.00	21.98	21.96	22.7	0
15	16QAM	36	39	21.97	22.05	21.94		
15	16QAM	75	0	21.91	21.94	22.07		
15	64QAM	1	0	21.97	22.02	21.93		
15	64QAM	1	37	22.00	21.97	22.03	22.7	0
15	64QAM	1	74	22.01	22.11	21.95		
15	64QAM	36	0	21.89	21.97	22.03		
15	64QAM	36	20	21.90	22.00	22.07	22.7	0
15	64QAM	36	39	22.02	22.04	21.98		
15	64QAM	75	0	21.93	22.04	22.06		
15	256QAM	1	0	20.00	20.05	20.03		
15	256QAM	1	37	19.93	20.03	19.98	20.7	2
15	256QAM	1	74	19.93	20.00	20.07		
15	256QAM	36	0	19.92	20.05	19.97		
15	256QAM	36	20	19.99	19.94	20.00	20.7	2
15	256QAM	36	39	20.06	20.08	20.05		
15	256QAM	75	0	20.05	20.06	20.01		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	21.90	22.03	21.99		
10	QPSK	1	25	22.00	21.97	22.10	22.7	0
10	QPSK	1	49	21.96	22.00	21.99		
10	QPSK	25	0	21.90	22.03	22.08		
10	QPSK	25	12	21.91	22.03	22.03	22.7	0
10	QPSK	25	25	21.91	22.04	22.03		
10	QPSK	50	0	22.05	22.11	22.01		
10	16QAM	1	0	21.93	22.12	22.05		
10	16QAM	1	25	21.93	22.10	22.00	22.7	0
10	16QAM	1	49	21.89	22.09	22.02		
10	16QAM	25	0	22.01	22.01	21.97		
10	16QAM	25	12	22.02	21.99	21.96	22.7	0
10	16QAM	25	25	21.93	21.98	21.94		
10	16QAM	50	0	21.96	21.96	22.03		
10	64QAM	1	0	21.96	21.94	22.02		
10	64QAM	1	25	21.95	22.01	22.04	22.7	0
10	64QAM	1	49	21.98	22.12	22.05		
10	64QAM	25	0	21.94	21.98	22.05		
10	64QAM	25	12	21.91	21.97	22.02	22.7	0
10	64QAM	25	25	21.97	22.01	21.98		
10	64QAM	50	0	21.94	21.94	21.98		
10	256QAM	1	0	19.95	20.04	20.02		
10	256QAM	1	25	20.00	20.06	20.01	20.7	2
10	256QAM	1	49	19.96	20.00	19.99		
10	256QAM	25	0	19.94	19.97	19.94		
10	256QAM	25	12	19.91	20.03	19.96	20.7	2
10	256QAM	25	25	20.03	20.06	19.94		
10	256QAM	50	0	20.06	20.05	19.94		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	21.93	21.98	22.01		
5	QPSK	1	12	21.95	22.04	22.00	22.7	0
5	QPSK	1	24	21.99	22.04	21.94		
5	QPSK	12	0	21.90	22.03	22.01		
5	QPSK	12	7	22.00	22.06	22.07	22.7	0
5	QPSK	12	13	21.96	22.11	21.98		
5	QPSK	25	0	22.06	22.05	21.95		
5	16QAM	1

Band 4 Ant6 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	24.99	25.10	25.03		
20	QPSK	1	49	24.87	25.05	24.94	25.7	0
20	QPSK	1	99	24.90	25.03	25.01		
20	QPSK	50	0	23.97	24.13	23.98		
20	QPSK	50	24	23.82	24.00	23.95	24.7	1
20	QPSK	50	50	23.89	24.06	23.96		
20	16QAM	100	0	24.02	24.10	24.04		
20	16QAM	1	0	24.03	24.08	24.08		
20	16QAM	1	49	23.93	24.01	23.95	24.7	1
20	16QAM	1	99	23.89	24.04	23.95		
20	16QAM	50	0	22.95	23.07	23.03		
20	16QAM	50	24	22.87	22.97	22.97	23.7	2
20	16QAM	50	50	22.91	23.09	23.00		
20	16QAM	100	0	23.04	23.09	23.07		
20	64QAM	1	0	23.07	23.12	23.09		
20	64QAM	1	49	22.98	23.00	22.91	23.7	2
20	64QAM	1	99	22.94	23.10	22.93		
20	64QAM	50	0	21.98	22.09	21.98		
20	64QAM	50	24	21.83	22.00	21.99	22.7	3
20	64QAM	50	50	21.91	22.10	21.94		
20	64QAM	100	0	21.98	22.11	22.01		
20	256QAM	1	0	20.02	20.10	20.03		
20	256QAM	1	49	19.77	20.01	19.95	20.7	5
20	256QAM	1	99	19.94	20.08	19.97		
20	256QAM	50	0	19.97	20.06	20.02		
20	256QAM	50	24	20.07	20.05	20.07	20.7	5
20	256QAM	50	50	19.94	20.00	19.94		
20	256QAM	100	0	19.91	20.03	19.94		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	24.93	25.03	24.90		
15	QPSK	1	37	24.81	25.02	24.84	25.7	0
15	QPSK	1	74	24.79	24.98	24.92		
15	QPSK	36	0	23.83	24.07	23.93		
15	QPSK	36	20	23.74	23.89	23.84	24.7	1
15	QPSK	36	39	23.86	23.97	23.87		
15	QPSK	75	0	23.95	24.04	23.95		
15	16QAM	1	0	23.98	24.01	23.99		
15	16QAM	1	37	23.86	23.97	23.86	24.7	1
15	16QAM	1	74	23.85	23.98	23.85		
15	16QAM	36	0	22.83	23.00	22.89		
15	16QAM	36	20	22.79	22.86	22.90	23.7	2
15	16QAM	36	39	22.82	22.96	22.92		
15	16QAM	75	0	22.93	23.05	22.98		
15	64QAM	1	0	23.02	23.05	22.99		
15	64QAM	1	37	22.89	22.92	22.85	23.7	2
15	64QAM	1	74	22.82	22.98	22.85		
15	64QAM	36	0	21.91	21.98	21.84		
15	64QAM	36	20	21.80	21.96	21.85	22.7	3
15	64QAM	36	39	21.81	22.00	21.89		
15	64QAM	75	0	21.92	22.00	21.89		
15	256QAM	1	0	19.98	20.03	19.92		
15	256QAM	1	37	19.70	19.90	19.84	20.7	5
15	256QAM	1	74	19.88	19.97	19.92		
15	256QAM	36	0	19.93	20.02	19.89		
15	256QAM	36	20	19.95	20.01	19.93	20.7	5
15	256QAM	36	39	19.86	19.92	19.87		
15	256QAM	75	0	19.88	19.92	19.90		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.86	25.04	24.96		
10	QPSK	1	25	24.75	25.00	24.90	25.7	0
10	QPSK	1	49	24.85	25.00	24.99		
10	QPSK	25	0	23.90	24.04	23.90		
10	QPSK	25	12	23.78	23.89	23.82	24.7	1
10	QPSK	25	25	23.77	23.93	23.83		
10	QPSK	50	0	23.99	24.05	23.95		
10	16QAM	1	0	23.89	24.02	24.03		
10	16QAM	1	25	23.87	23.89	23.87	24.7	1
10	16QAM	1	49	23.85	23.96	23.86		
10	16QAM	25	0	22.92	22.94	22.95		
10	16QAM	25	12	22.76	22.90	22.94	23.7	2
10	16QAM	25	25	22.84	22.97	22.94		
10	16QAM	50	0	22.93	23.01	22.98		
10	64QAM	1	0	23.03	23.03	23.01		
10	64QAM	1	25	22.91	22.94	22.88	23.7	2
10	64QAM	1	49	22.89	23.03	22.83		
10	64QAM	25	0	21.86	22.05	21.92		
10	64QAM	25	12	21.80	21.92	21.91	22.7	3
10	64QAM	25	25	21.78	21.99	21.84		
10	64QAM	50	0	21.92	21.99	21.97		
10	256QAM	1	0	19.89	19.97	19.95		
10	256QAM	1	25	19.70	19.89	19.86	20.7	5
10	256QAM	1	49	19.82	19.96	19.84		
10	256QAM	25	0	19.90	19.94	19.95		
10	256QAM	25	12	20.05	19.91	19.94	20.7	5
10	256QAM	25	25	19.83	19.88	19.82		
10	256QAM	50	0	19.83	19.98	19.81		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	24.87	25.08	24.96		
5	QPSK	1	12	24.78	24.99	24.83	25.7	0
5	QPSK	1	24	24.82	24.98	24.93		
5	QPSK	12	0	23.84	24.04	23.91		
5	QPSK	12	7	23.75	23.93	23.87	24.7	1
5	QPSK	12	13	23.83	23.96	23.94		
5	QPSK	25	0	23.98	24.08	24.02		
5	16QAM	1	0	23.98	24.00	24.05		
5	16QAM	1	12	23.79	23.94	23.82	24.7	1
5	16QAM	1	24	23.86	23.96	23.90		
5	16QAM	12	0	22.85	23.03	22.95		
5	16QAM	12	7	22.77	22.90	22.95	23.7	2
5	16QAM	12	13	22.79	23.00	22.91		
5	16QAM	25	0	22.91	23.03	23.02		
5	64QAM	1	0	23.05	23.10	23.02		
5	64QAM	1	12	22.90	22.96	22.80	23.7	2
5	64QAM	1	24	22.86	23.04	22.83		
5	64QAM	12	0	21.93	21.97	21.94		
5	64QAM	12	7	21.75	21.93	21.91	22.7	3
5	64QAM	12	13	21.84	22.08	21.82		
5	64QAM	25	0	21.96	21.99	21.98		
5	256QAM	1	0	20.00	20.01	19.94		
5	256QAM	1	12	19.65	19.90	19.91	20.7	5
5	256QAM	1	24	19.89	20.02	19.94		
5	256QAM	12	0	19.91	19.96	19.99		
5	256QAM	12	7	19.98	19.99	20.01	20.7	5
5	256QAM	12	13	19.85	19.91	19.85		
5	256QAM	25	0	19.82	20.00	19.84		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	24.93	24.97	24.92		
3	QPSK	1	8	24.82	24.97	24.84	25.7	0
3	QPSK	1	14	24.79	24.96	24.99		
3	QPSK	8	0	23.91	24.01	23.95		
3	QPSK	8	4	23.73	23.88	23.88	24.7	1
3	QPSK	8	7	23.81	23.99	23.84		
3	QPSK	15	0	23.92	24.06	23.97		
3	16QAM	1	0	23.92	24.03	24.04		
3	16QAM	1	8	23.86	23.90	23.82	24.7	1
3	16QAM	1	14	23.83	23.93	23.82		
3	16QAM	8	0	22.84	23.05	22.89		
3	16QAM	8	4	22.73	22.92	22.90	23.7	2
3	16QAM	8	7	22.79	23.01	22.96		
3	16QAM	15	0	22.90	23.07	23.01		
3	64QAM	1	0	23.04	23.07	23.02		
3	64QAM	1	8	22.95	22.89	22.84	23.7	2
3	64QAM	1	14	22.90	23.02	22.83		
3	64QAM	8	0	21.88	22.01	21.88		
3	64QAM	8	4	21.71	21.88	21.89	22.7	3
3	64QAM	8	7	21.80	21.99	21.90		
3	64QAM	15	0	21.87	22.03	21.93		
3	256QAM	1	0	19.99	19.99	19.99		
3	256QAM	1	8	19.75	19.98	19.85	20.7	5
3	256QAM	1	14	19.83	20.00	19.94		
3	256QAM	8	0	19.91	19.95	19.90		
3	256QAM	8	4	20.04	19.94	19.99	20.7	5
3	256QAM	8	7	19.88	19.97	19.87		
3	256QAM	15	0	19.82	19.91	19.93		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.94	24.98	24.93		
1.4	QPSK	1	3	24.74	25.00	24.89		
1.4	QPSK	1	5	24.86	24.95	24.99	25.7	0
1.4	QPSK	3	0	24.85	24.94	24.89		
1.4	QPSK	3	1	24.62	24.88	24.82		
1.4	QPSK	3	3	24.79	24.85	24.90		
1.4	QPSK	6	0	23.96	23.99	24.02	24.7	1
1.4	16QAM	1	0	23.92	23.98	24.03		
1.4	16QAM	1	3	23.85	23.95	23.87		
1.4	16QAM	1	5	23.80	23.97	23.88	24.7	1
1.4	16QAM	3	0	23.82	23.88	23.88		
1.4	16QAM	3	1	23.79	23.95	23.97		
1.4	16QAM	3	3	23.74	23.93	23.79		
1.4	16QAM	6	0	22.95	23.03	23.00	23.7	2
1.4	64QAM	1	0	23.00	23.01	22.99		
1.4	64QAM	1	3	22.93	22.95	22.77		
1.4	64QAM	1	5	22.90	23.05	22.80	23.7	2
1.4	64QAM	3	0	22.84	22.94	22.92		
1.4	64QAM	3	1	22.92	22.92	22.93		
1.4	64QAM	3	3	22.80	22.93	22.69		
1.4	64QAM	6	0	21.90	22.04	21.89	22.7	3
1.4	256QAM	1	0	19.99	20.05	19.94		
1.4	256QAM	1	3	19.68	19.88	19.92		
1.4	256QAM	1	5	19.87	20.00	19.87	20.7	5
1.4	256QAM	3	0	19.90	19.94	19.96		
1.4	256QAM	3	1	20.00	19.98	19.94		
1.4	256QAM	3	3	19.89	19.90	19.86		
1.4	256QAM	6	0	19.78	20.01	19.87	20.7	5

Band 7 Ant6 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.24	24.26	24.18		
20	QPSK	1	49	24.13	24.22	24.15	25.5	0
20	QPSK	1	99	24.15	24.21	24.14		
20	QPSK	50	0	23.26	23.30	23.16		
20	QPSK	50	24	23.08	23.17	23.21	24.5	1
20	QPSK	50	50	23.19	23.22	23.16		
20	16QAM	100	0	23.18	23.26	23.12		
20	16QAM	1	0	23.24	23.24	23.20		
20	16QAM	1	49	23.08	23.26	23.12	24.5	1
20	16QAM	1	99	23.10	23.26	23.09		
20	16QAM	50	0	22.23	22.31	22.20		
20	16QAM	50	24	22.03	22.14	22.22	23.5	2
20	16QAM	50	50	22.25	22.21	22.20		
20	16QAM	100	0	22.15	22.29	22.08		
20	64QAM	1	0	22.27	22.28	22.21		
20	64QAM	1	49	22.10	22.24	22.17	23.5	2
20	64QAM	1	99	22.16	22.21	22.14		
20	64QAM	50	0	21.25	21.30	21.12		
20	64QAM	50	24	21.09	21.15	21.23	22.5	3
20	64QAM	50	50	21.24	21.16	21.11		
20	64QAM	100	0	21.12	21.28	21.14		
20	256QAM	1	0	19.28	19.25	19.11		
20	256QAM	1	49	19.05	19.18	19.19	20.5	5
20	256QAM	1	99	19.20	19.26	19.17		
20	256QAM	50	0	19.17	19.23	19.16		
20	256QAM	50	24	19.27	19.22	19.18	20.5	5
20	256QAM	50	50	19.06	19.25	19.14		
20	256QAM	100	0	19.12	19.26	19.13		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.16	24.24	24.08		
15	QPSK	1	37	24.06	24.19	24.12	25.5	0
15	QPSK	1	74	24.03	24.12	24.10		
15	QPSK	36	0	23.24	23.19	23.09		
15	QPSK	36	20	22.99	23.05	23.10	24.5	1
15	QPSK	36	39	23.12	23.10	23.03		
15	QPSK	75	0	23.12	23.20	23.01		
15	16QAM	1	0	23.12	23.12	23.11		
15	16QAM	1	37	23.02	23.22	23.04	24.5	1
15	16QAM	1	74	23.01	23.24	23.06		
15	16QAM	36	0	22.20	22.26	22.12		
15	16QAM	36	20	21.98	22.06	22.14	23.5	2
15	16QAM	36	39	22.13	22.16	22.14		
15	16QAM	75	0	22.11	22.20	21.99		
15	64QAM	1	0	22.16	22.15	22.08		
15	64QAM	1	37	22.04	22.18	22.03	23.5	2
15	64QAM	1	74	22.04	22.13	22.10		
15	64QAM	36	0	21.21	21.19	21.04		
15	64QAM	36	20	20.97	21.04	21.15	22.5	3
15	64QAM	36	39	21.11	21.03	21.06		
15	64QAM	75	0	21.00	21.20	21.05		
15	256QAM	1	0	19.25	19.19	19.08		
15	256QAM	1	37	18.96	19.10	19.12	20.5	5
15	256QAM	1	74	19.06	19.20	19.11		
15	256QAM	36	0	19.04	19.16	19.09		
15	256QAM	36	20	19.13	19.10	19.09	20.5	5
15	256QAM	36	39	18.93	19.18	19.05		
15	256QAM	75	0	19.04	19.17	19.06		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.22	24.23	24.09		
10	QPSK	1	25	24.07	24.14	24.05	25.5	0
10	QPSK	1	49	24.11	24.17	24.01		
10	QPSK	25	0	23.16	23.24	23.14		
10	QPSK	25	12	23.01	23.12	23.08	24.5	1
10	QPSK	25	25	23.06	23.09	23.07		
10	QPSK	50	0	23.06	23.19	23.01		
10	16QAM	1	0	23.20	23.19	23.08		
10	16QAM	1	25	22.96	23.22	23.09	24.5	1
10	16QAM	1	49	23.02	23.16	23.03		
10	16QAM	25	0	22.20	22.18	22.15		
10	16QAM	25	12	21.92	22.09	22.14	23.5	2
10	16QAM	25	25	22.13	22.10	22.15		
10	16QAM	50	0	22.09	22.20	22.05		
10	64QAM	1	0	22.19	22.19	22.13		
10	64QAM	1	25	21.99	22.14	22.08	23.5	2
10	64QAM	1	49	22.07	22.09	22.05		
10	64QAM	25	0	21.18	21.28	21.09		
10	64QAM	25	12	20.97	21.03	21.09	22.5	3
10	64QAM	25	25	21.10	21.03	21.05		
10	64QAM	50	0	20.98	21.20	21.08		
10	256QAM	1	0	19.24	19.21	19.07		
10	256QAM	1	25	18.97	19.11	19.11	20.5	5
10	256QAM	1	49	19.14	19.18	19.04		
10	256QAM	25	0	19.09	19.18	19.13		
10	256QAM	25	12	19.18	19.13	19.11	20.5	5
10	256QAM	25	25	18.96	19.11	19.01		
10	256QAM	50	0	19.02	19.21	19.04		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.21	24.18	24.08		
5	QPSK	1	12	24.04	24.19	24.11	25.5	0
5	QPSK	1	24	24.02	24.08	24.09		
5	QPSK	12	0	23.14	23.20	23.06		
5	QPSK	12	7	23.04	23.12	23.19	24.5	1
5	QPSK	12	13	23.16	23.10	23.11		
5	QPSK	25	0	23.12	23.17	23.02		
5	16QAM	1	0	23.19	23.14	23.16		
5	16QAM	1	12	23.02	23.19	22.98	24.5	1
5	16QAM	1	24	22.98	23.18	22.96		
5	16QAM	12	0	22.17	22.19	22.18		
5	16QAM	12	7	21.92	22.09	22.11	23.5	2
5	16QAM	12	13	22.15	22.08	22.12		
5	16QAM	25	0	22.05	22.21	22.03		
5	64QAM	1	0	22.20	22.26	22.08		
5	64QAM	1	12	22.03	22.18	22.10	23.5	2
5	64QAM	1	24	22.07	22.09	22.06		
5	64QAM	12	0	21.21	21.27	21.00		
5	64QAM	12	7	21.05	21.12	21.14	22.5	3
5	64QAM	12	13	21.13	21.02	21.07		
5	64QAM	25	0	21.07	21.22	21.04		
5	256QAM	1	0	19.14	19.16	19.02		
5	256QAM	1	12	19.01	19.10	19.11	20.5	5
5	256QAM	1	24	19.14	19.18	19.11		
5	256QAM	12	0	19.07	19.20	19.09		
5	256QAM	12	7	19.24	19.09	19.13	20.5	5
5	256QAM	12	13	18.97	19.23	19.10		
5	256QAM	25	0	19.10	19.22	19.05		

Band 66 Ant6 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	25.13	25.18	25.11		
20	QPSK	1	49	25.03	25.16	24.97	25.7	0
20	QPSK	1	99	25.02	25.15	24.99		
20	QPSK	50	0	24.10	24.24	24.08		
20	QPSK	50	24	24.00	24.22	23.98	24.7	1
20	QPSK	50	50	24.01	24.20	24.00		
20	QPSK	100	0	24.15	24.23	24.16		
20	16QAM	1	0	24.07	24.21	24.10		
20	16QAM	1	49	24.05	24.15	24.02	24.7	1
20	16QAM	1	99	23.96	24.12	23.94		
20	16QAM	50	0	23.15	23.27	23.11		
20	16QAM	50	24	23.04	23.24	22.92	23.7	2
20	16QAM	50	50	23.05	23.22	22.94		
20	16QAM	100	0	23.21	23.26	23.21		
20	64QAM	1	0	23.04	23.19	23.11		
20	64QAM	1	49	22.99	23.18	23.06	23.7	2
20	64QAM	1	99	22.94	23.11	22.91		
20	64QAM	50	0	22.13	22.29	22.07		
20	64QAM	50	24	21.99	22.28	21.98	22.7	3
20	64QAM	50	50	21.98	22.20	21.98		
20	64QAM	100	0	22.10	22.19	22.12		
20	256QAM	1	0	20.11	20.29	20.04		
20	256QAM	1	49	20.05	20.26	19.96	20.7	5
20	256QAM	1	99	20.04	20.23	19.99		
20	256QAM	50	0	20.15	20.21	20.20		
20	256QAM	50	24	20.05	20.26	20.04	20.7	5
20	256QAM	50	50	20.06	20.09	20.07		
20	256QAM	100	0	19.97	20.08	19.88		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	25.11	25.12	25.00		
15	QPSK	1	37	24.92	25.03	24.88	25.7	0
15	QPSK	1	74	24.97	25.10	24.93		
15	QPSK	36	0	24.02	24.11	24.06		
15	QPSK	36	20	23.97	24.19	23.92	24.7	1
15	QPSK	36	39	23.91	24.14	23.98		
15	QPSK	75	0	24.09	24.18	24.05		
15	16QAM	1	0	24.05	24.13	24.02		
15	16QAM	1	37	24.01	24.06	23.91	24.7	1
15	16QAM	1	74	23.88	24.01	23.82		
15	16QAM	36	0	23.10	23.17	23.01		
15	16QAM	36	20	22.99	23.10	22.79	23.7	2
15	16QAM	36	39	22.98	23.16	22.85		
15	16QAM	75	0	23.13	23.14	23.18		
15	64QAM	1	0	22.91	23.05	23.05		
15	64QAM	1	37	22.85	23.04	23.00	23.7	2
15	64QAM	1	74	22.86	23.05	22.84		
15	64QAM	36	0	22.02	22.24	21.97		
15	64QAM	36	20	21.97	22.24	21.86	22.7	3
15	64QAM	36	39	21.87	22.08	21.93		
15	64QAM	75	0	22.02	22.10	22.00		
15	256QAM	1	0	20.03	20.26	19.94		
15	256QAM	1	37	19.97	20.21	19.88	20.7	5
15	256QAM	1	74	19.99	20.15	19.92		
15	256QAM	36	0	20.05	20.08	20.09		
15	256QAM	36	20	19.96	20.22	19.97	20.7	5
15	256QAM	36	39	19.95	19.95	19.95		
15	256QAM	75	0	19.93	20.03	19.82		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	25.10	25.07	25.05		
10	QPSK	1	25	24.95	25.06	24.86	25.7	0
10	QPSK	1	49	25.00	25.06	24.96		
10	QPSK	25	0	24.03	24.10	24.02		
10	QPSK	25	12	23.91	24.18	23.92	24.7	1
10	QPSK	25	25	23.95	24.14	23.89		
10	QPSK	50	0	24.04	24.16	24.11		
10	16QAM	1	0	23.99	24.13	24.05		
10	16QAM	1	25	23.95	24.07	23.93	24.7	1
10	16QAM	1	49	23.86

Band 38 Ant6 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.46	24.48	24.43	25.5	0
20	QPSK	1	49	24.42	24.44	24.39		
20	QPSK	1	99	24.42	24.41	24.35		
20	QPSK	50	0	23.44	23.46	23.40	24.5	1
20	QPSK	50	24	23.40	23.42	23.37		
20	QPSK	50	50	23.40	23.35	23.29		
20	QPSK	100	0	23.43	23.44	23.39		
20	16QAM	1	0	23.44	23.42	23.46		
20	16QAM	1	49	23.48	23.43	23.39	24.5	1
20	16QAM	1	99	23.47	23.42	23.40		
20	16QAM	50	0	22.42	22.49	22.40	23.5	2
20	16QAM	50	24	22.47	22.44	22.36		
20	16QAM	50	50	22.45	22.40	22.31		
20	16QAM	100	0	22.38	22.50	22.38		
20	64QAM	1	0	22.47	22.41	22.45		
20	64QAM	1	49	22.43	22.41	22.38	23.5	2
20	64QAM	1	99	22.47	22.47	22.44		
20	64QAM	50	0	21.39	21.48	21.43	22.5	3
20	64QAM	50	24	21.41	21.46	21.42		
20	64QAM	50	50	21.46	21.34	21.31		
20	64QAM	100	0	21.47	21.47	21.44		
20	256QAM	1	0	19.39	19.46	19.45	20.5	5
20	256QAM	1	49	19.48	19.42	19.39		
20	256QAM	1	99	19.35	19.30	19.32		
20	256QAM	50	0	19.42	19.39	19.40	20.5	5
20	256QAM	50	24	19.50	19.46	19.50		
20	256QAM	50	50	19.48	19.39	19.39		
20	256QAM	100	0	19.50	19.47	19.42		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.43	24.45	24.30	25.5	0
15	QPSK	1	37	24.29	24.40	24.32		
15	QPSK	1	74	24.38	24.33	24.22		
15	QPSK	36	0	23.39	23.34	23.29	24.5	1
15	QPSK	36	20	23.34	23.37	23.33		
15	QPSK	36	39	23.37	23.24	23.16		
15	QPSK	75	0	23.41	23.33	23.26		
15	16QAM	1	0	23.39	23.31	23.33	24.5	1
15	16QAM	1	37	23.44	23.37	23.37		
15	16QAM	1	74	23.40	23.39	23.33		
15	16QAM	36	0	22.37	22.38	22.26	23.5	2
15	16QAM	36	20	22.37	22.39	22.28		
15	16QAM	36	39	22.36	22.30	22.19		
15	16QAM	75	0	22.25	22.40	22.28		
15	64QAM	1	0	22.40	22.31	22.41	23.5	2
15	64QAM	1	37	22.37	22.39	22.34		
15	64QAM	1	74	22.43	22.40	22.35		
15	64QAM	36	0	21.30	21.41	21.37	22.5	3
15	64QAM	36	20	21.30	21.33	21.35		
15	64QAM	36	39	21.39	21.29	21.26		
15	64QAM	75	0	21.43	21.44	21.39		
15	256QAM	1	0	19.33	19.33	19.40	20.5	5
15	256QAM	1	37	19.42	19.32	19.36		
15	256QAM	1	74	19.31	19.19	19.30		
15	256QAM	36	0	19.38	19.29	19.34	20.5	5
15	256QAM	36	20	19.46	19.34	19.39		
15	256QAM	36	39	19.42	19.31	19.31		
15	256QAM	75	0	19.43	19.38	19.28		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.34	24.40	24.33	25.5	0
10	QPSK	1	25	24.32	24.31	24.26		
10	QPSK	1	49	24.33	24.37	24.22		
10	QPSK	25	0	23.33	23.33	23.30	24.5	1
10	QPSK	25	12	23.31	23.30	23.26		
10	QPSK	25	25	23.36	23.22	23.18		
10	QPSK	50	0	23.36	23.40	23.28		
10	16QAM	1	0	23.36	23.40	23.42		
10	16QAM	1	25	23.39	23.33	23.28	24.5	1
10	16QAM	1	49	23.38	23.33	23.30		
10	16QAM	25	0	22.35	22.43	22.34	23.5	2
10	16QAM	25	12	22.38	22.31	22.28		
10	16QAM	25	25	22.36	22.26	22.21		
10	16QAM	50	0	22.27	22.36	22.29		
10	64QAM	1	0	22.34	22.35	22.37	23.5	2
10	64QAM	1	25	22.40	22.32	22.28		
10	64QAM	1	49	22.41	22.44	22.31		
10	64QAM	25	0	21.32	21.42	21.32	22.5	3
10	64QAM	25	12	21.34	21.43	21.39		
10	64QAM	25	25	21.36	21.29	21.27		
10	64QAM	50	0	21.42	21.38	21.36		
10	256QAM	1	0	19.26	19.34	19.35	20.5	5
10	256QAM	1	25	19.44	19.31	19.33		
10	256QAM	1	49	19.27	19.27	19.28		
10	256QAM	25	0	19.37	19.27	19.32	20.5	5
10	256QAM	25	12	19.40	19.36	19.36		
10	256QAM	25	25	19.37	19.32	19.27		
10	256QAM	50	0	19.40	19.44	19.30		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.35	24.38	24.32	25.5	0
5	QPSK	1	12	24.30	24.38	24.29		
5	QPSK	1	24	24.36	24.34	24.27		
5	QPSK	12	0	23.34	23.35	23.33	24.5	1
5	QPSK	12	7	23.34	23.31	23.25		
5	QPSK	12	13	23.31	23.31	23.22		
5	QPSK	25	0	23.32	23.33	23.35		
5	16QAM	1	0	23.36	23.33	23.43	24.5	1
5	16QAM	1	12	23.37	23.37	23.31		
5	16QAM	1	24	23.37	23.35	23.34		
5	16QAM	12	0	22.39	22.37	22.27	23.5	2
5	16QAM	12	7	22.39	22.34	22.23		
5	16QAM	12	13	22.32	22.27	22.19		
5	16QAM	25	0	22.27	22.45	22.35		
5	64QAM	1	0	22.43	22.37	22.33	23.5	2
5	64QAM	1	12	22.38	22.38	22.36		
5	64QAM	1	24	22.38	22.44	22.31		
5	64QAM	12	0	21.25	21.45	21.32	22.5	3
5	64QAM	12	7	21.36	21.36	21.33		
5	64QAM	12	13	21.37	21.20	21.18		
5	64QAM	25	0	21.43	21.38	21.40		
5	256QAM	1	0	19.34	19.38	19.40	20.5	5
5	256QAM	1	12	19.45	19.32	19.28		
5	256QAM	1	24	19.26	19.21	19.23		
5	256QAM	12	0	19.31	19.34	19.34	20.5	5
5	256QAM	12	7	19.45	19.37	19.46		
5	256QAM	12	13	19.39	19.27	19.30		
5	256QAM	25	0	19.46	19.44	19.30		

Band 41 Ant6 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2508	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.40	24.38	24.46	24.44	24.41	25.5	0
20	QPSK	1	49	24.28	24.27	24.41	24.40	24.30		
20	QPSK	1	99	24.30	24.29	24.40	24.37	24.32		
20	QPSK	50	0	23.42	23.40	23.50	23.40	23.44	24.5	1
20	QPSK	50	24	23.24	23.33	23.38	23.44	23.26		
20	QPSK	50	50	23.29	23.28	23.44	23.36	23.35		
20	QPSK	100	0	23.37	23.34	23.46	23.46	23.42		
20	16QAM	1	0	23.44	23.39	23.46	23.42	23.41	24.5	1
20	16QAM	1	49	23.28	23.30	23.41	23.34	23.28		
20	16QAM	1	99	23.24	23.32	23.34	23.34	23.29		
20	16QAM	50	0	22.41	22.36	22.56	22.39	22.48	23.5	2
20	16QAM	50	24	22.27	22.37	22.32	22.39	22.23		
20	16QAM	50	50	22.33	22.25	22.42	22.41	22.31		
20	16QAM	100	0	22.40	22.35	22.45	22.46	22.45		
20	64QAM	1	0	22.45	22.43	22.44	22.38	22.47	23.5	2
20	64QAM	1	49	22.28	22.29	22.46	22.37	22.26		
20	64QAM	1	99	22.19	22.29	22.37	22.31	22.31		
20	64QAM	50	0	21.37	21.41	21.53	21.36	21.41	22.5	3
20	64QAM	50	24	21.28	21.37	21.33	21.48	21.23		
20	64QAM	50	50	21.23	21.32	21.46	21.30	21.38		
20	64QAM	100	0	21.37	21.30	21.42	21.44	21.37		
20	256QAM	1	0	19.41	19.34	19.45	19.40	19.41	20.5	5
20	256QAM	1	49	19.29	19.28	19.33	19.50	19.23		
20	256QAM	1	99	19.32	19.33	19.39	19.34	19.36		
20	256QAM	50	0	19.39	19.29	19.47	19.43	19.41	20.5	5
20	256QAM	50	24	19.50	19.43	19.50	19.41	19.43		
20	256QAM	50	50	19.26	19.32	19.37	19.33	19.33		
20	256QAM	100	0	19.21	19.30	19.32	19.31	19.31		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.32	24.27	24.43	24.30	24.34	26	0
15	QPSK	1	37	24.16	24.16	24.33	24.30	24.19		
15	QPSK	1	74	24.25	24.20	24.29	24.25	24.27		
15	QPSK	36	0	23.30	23.30	23.44	23.30	23.31	24.5	1
15	QPSK	36	20	23.18	23.26	23.29	23.35	23.20		
15	QPSK	36	39	23.19	23.26	23.37	23.26	23.23		
15	QPSK	75	0	23.35	23.22	23.40	23.41	23.35		
15	16QAM	1	0	23.31	23.27	23.43	23.34	23.30	24.5	1
15	16QAM	1	37	23.22	23.23	23.31	23.31	23.23		
15	16QAM	1	74	23.18	23.27	23.26	23.24	23.21		
15	16QAM	36	0	22.28	22.29	22.53	22.26	22.42	23.5	2
15	16QAM	36	20	22.19	22.31	22.22	22.35	22.18		
15	16QAM	36	39	22.21	22.14	22.34	22.33	22.23		
15	16QAM	75	0	22.37	22.22	22.41	22.36	22.36		
15	64QAM	1	0	22.34	22.38	22.34	22.29	22.36	23.5	2
15	64QAM	1	37	22.19	22.25	22.37	22.34	22.18		
15	64QAM	1	74	22.12	22.25	22.24	22.20	22.29		
15	64QAM	36	0	21.27	21.39	21.43	21.31	21.31	22.5	3
15	64QAM	36	20	21.15	21.30	21.24	21.37	21.16		
15	64QAM	36	39	21.17	21.29	21.27	21.24	21.31		
15	64QAM	75	0	21.26	21.21	21.30	21.41	21.34		
15	256QAM	1	0	19.32	19.23	19.34	19.31	19.28	20.5	5
15	256QAM	1	37	19.19	19.22	19.27	19.45	19.18		
15	256QAM	1	74	19.24	19.30	19.31	19.27	19.27		
15	256QAM	36	0	19.28	19.26	19.40	19.31	19.37	20.5	5
15	256QAM	36	20	19.42	19.34	19.42	19.33	19.33		
15	256QAM	36	39	19.22	19.28	19.32	19.19	19.19		
15	256QAM	75	0	19.10	19.22	19.19	19.21	19.23		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.34	24.31	24.35	24.32	24.38	26	0
10	QPSK	1	25	24.16	24.24	24.28	24.31	24.18		
10	QPSK	1	49	24.22	24.26	24.35	24.31	24.28		
10	QPSK	25	0	23.31	23.29	23.43	23.28	23.32	24.5	1
10	QPSK	25	12	23.14	23.22	23.30	23.41	23.14		
10	QPSK	25	25	23.20	23.19	23.37	23.32	23.28		
10	QPSK	50	0	23.32	23.28	23.39	23.35	23.39		
10	16QAM	1	0	23.39	23.34	23.39	23.39	23.33	24.5	1
10	16QAM	1	25	23.17	23.22	23.31	23.23	23.18		
10	16QAM	1	49	23.12	23.27	23.23	23.29	23.22		
10	16QAM	25	0	22.31	22.32	22.50	22.33	22.44	23.5	2
10	16QAM	25	12	22.22	22.32	22.20	22.32	22.09		
10	16QAM	25	25	22.26	22.20	22.36	22.31	22.20		
10	16QAM	50	0	22.27	22.25	22.36	22.34	22.40		
10	64QAM	1	0	22.38	22.38	22.33	22.33	22.42	23.5	2
10	64QAM	1	25	22.23	22.17	22.33	22.27	22.18		
10	64QAM	1	49	22.08	22.25	22.23	22.24	22.26		
10	64QAM	25	0	21.23	21.34	21.46	21.25	21.33	22.5	3
10	64QAM	25	12	21.17	21.34	21.21	21.42	21.16		
10	64QAM	25	25	21.18	21.24	21.43	21.24	21.36		
10	64QAM	50	0	21.31	21.27	21.37	21.41	21.26		
10	256QAM	1	0	19.38	19.31	19.33	19.33	19.37	20.5	5
10	256QAM	1	25	19.22	19.19	19.24	19.47	19.11		
10	256QAM	1	49	19.29	19.22	19.31	19.27	19.30		
10	256QAM	25	0	19.28	19.16	19.42	19.37	19.38	20.5	5
10	256QAM	25	12	19.42	19.33	19.43	19.37	19.31		
10	256QAM	25	25	19.21	19.26	19.25	19.38	19.27		
10	256QAM	50	0	19.08	19.22	19.24	19.23	19.19		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.37	24.35	24.36	24.39	24.35	26	0
5	QPSK	1	12	24.20	24.23	24.32	24.28	24.21		
5	QPSK	1	24	24.21	24.21	24.36	24.28	24.23		
5	QPSK	12	0	23.28	23.36	23.45	23.34	23.38	24.5	1
5	QPSK	12	7	23.14	23.31	23.25	23.38	23.14		
5	QPSK	12	13	23.16	23.20	23.38	23.23	23.32		
5	QPSK	25	0	23.33	23.25	23.43	23.35	23.32		
5	16QAM	1	0	23.41	23.35	23.36	23.34	23.28	24.5	1
5	16QAM	1	12	23.20	23.21	23.30	23.29	23.26		
5	16QAM	1	24	23.17	23.18	23.30	23.28	23.15		
5	16QAM	12	0	22.38	22.28	22.45	22.33	22.39	23.5	2
5	16QAM	12	7	22.14	22.26	22.26	22.28	22.10		
5	16QAM	12	13	22.28	22.13	22.39	22.34	22.23		
5	16QAM	25	0	22.31	22.23	22.38	22.44	22.41		
5	64QAM	1	0	22.40	22.36	22.36	22.31	22.33	23.5	2
5	64QAM	1	12	22.26	22.26	22.40	22.27	22.17		
5	64QAM	1	24	22.13	22.19	22.34	22.18	22.27		
5	64QAM	12	0	21.24	21.35	21.41	21.30	21.36	22.5	3
5	64QAM	12	7	21.23	21.29	21.24	21.35	21.13		
5	64QAM	12	13	21.12	21.22	21.44	21.27	21.30		
5	64QAM	25	0	21.32	21.19	21.31	21.37	21.32		
5	256QAM	1	0	19.33	19.21	19.33	19.29	19.35	20.5	5
5	256QAM	1	12	19.21	19.18	19.25	19.44	19.20		
5	256QAM	1	24	19.23	19.29	19.33	19.21	19.30		
5	256QAM	12	0	19.25	19.24	19.41	19.37	19.29	20.5	5
5	256QAM	12	7	19.45	19.33	19.44	19.28	19.31		
5	256QAM	12	13	19.20	19.25	19.29	19.20	19.28		
5	256QAM	25	0	19.15	19.24	19.21	19.22	19.23		

Band 42 Ant6 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.70	23.75	23.72	25	0
20	QPSK	1	49	23.61	23.72	23.61		
20	QPSK	1	99	23.63	23.71	23.68		
20	QPSK	50	0	22.74	22.76	22.66	24	1
20	QPSK	50	24	22.57	22.69	22.63		
20	QPSK	50	50	22.63	22.75	22.70		
20	QPSK	100	0	22.66	22.73	22.72		
20	16QAM	1	0	22.69	22.72	22.74	24	1
20	16QAM	1	49	22.61	22.75	22.67		
20	16QAM	1	99	22.61	22.76	22.63		
20	16QAM	50	0	21.69	21.73	21.60	23	2
20	16QAM	50	24	21.52	21.71	21.60		
20	16QAM	50	50	21.64	21.74	21.70		
20	16QAM	100	0	21.67	21.76	21.72		
20	64QAM	1	0	21.73	21.73	21.69	23	2
20	64QAM	1	49	21.58	21.79	21.67		
20	64QAM	1	99	21.57	21.81	21.59		
20	64QAM	50	0	20.76	20.80	20.72	22	3
20	64QAM	50	24	20.56	20.65	20.66		
20	64QAM	50	50	20.68	20.71	20.65		
20	64QAM	100	0	20.71	20.67	20.77		
20	256QAM	1	0	18.74	18.77	18.61	20	5
20	256QAM	1	49	18.52	18.67	18.60		
20	256QAM	1	99	18.60	18.80	18.75		
20	256QAM	50	0	18.72	18.69	18.71	20	5
20	256QAM	50	24	18.71	18.67	18.75		
20	256QAM	50	50	18.65	18.76	18.63		
20	256QAM	100	0	18.62	18.72	18.61		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	23.57	23.65	23.70	25	0
15	QPSK	1	37	23.55	23.63	23.59		
15	QPSK	1	74	23.53	23.60	23.58		
15	QPSK	36	0	22.61	22.69	22.62	24	1
15	QPSK	36	20	22.46	22.56	22.50		
15	QPSK	36	39	22.59	22.66	22.60		
15	QPSK	75	0	22.57	22.69	22.58		
15	16QAM	1	0	22.60	22.59	22.62	24	1
15	16QAM	1	37	22.53	22.63	22.64		
15	16QAM	1	74	22.55	22.71	22.50		
15	16QAM	36	0	21.63	21.68	21.57	23	2
15	16QAM	36	20	21.41	21.60	21.49		
15	16QAM	36	39	21.62	21.60	21.64		
15	16QAM	75	0	21.57	21.66	21.64		
15	64QAM	1	0	21.63	21.68	21.57	23	2
15	64QAM	1	37	21.51	21.68	21.64		
15	64QAM	1	74	21.48	21.71	21.49		
15	64QAM	36	0	20.73	20.71	20.70	22	3
15	64QAM	36	20	20.46	20.58	20.57		
15	64QAM	36	39	20.63	20.68	20.58		
15	64QAM	75	0	20.62	20.62	20.75		
15	256QAM	1	0	18.63	18.74	18.57	20	5
15	256QAM	1	37	18.50	18.58	18.56		
15	256QAM	1	74	18.55	18.71	18.64		
15	256QAM	36	0	18.69	18.63	18.60	20	5
15	256QAM	36	20	18.59	18.63	18.72		
15	256QAM	36	39	18.61	18.73	18.58		
15	256QAM	75	0	18.60	18.69	18.53		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	23.68	23.71	23.65	25	0
10	QPSK	1	25	23.55	23.63	23.57		
10	QPSK	1	49	23.55	23.58	23.60		
10	QPSK	25	0	22.65	22.66	22.64	24	1
10	QPSK	25	12	22.48	22.61	22.59		
10	QPSK	25	25	22.57	22.67	22.63		
10	QPSK	50	0	22.62	22.62	22.63		
10	16QAM	1	0	22.66	22.59	22.70	24	1
10	16QAM	1	25	22.50	22.70	22.65		
10	16QAM	1	49	22.58	22.64	22.58		
10	16QAM	25	0	21.58	21.69	21.47	23	2
10	16QAM	25	12	21.38	21.63	21.57		
10	16QAM	25	25	21.55	21.61	21.62		
10	16QAM	50	0	21.63	21.62	21.62		
10	64QAM	1	0	21.65	21.68	21.66	23	2
10	64QAM	1	25	21.54	21.68	21.60		
10	64QAM	1	49	21.43	21.68	21.48		
10	64QAM	25	0	20.64	20.69	20.62	22	3
10	64QAM	25	12	20.54	20.62	20.63		
10	64QAM	25	25	20.60	20.67	20.52		
10	64QAM	50	0	20.61	20.60	20.66		
10	256QAM	1	0	18.62	18.71	18.56	20	5
10	256QAM	1	25	18.50	18.64	18.58		
10	256QAM	1	49	18.49	18.71	18.65		
10	256QAM	25	0	18.67	18.55	18.62	20	5
10	256QAM	25	12	18.64	18.62	18.71		
10	256QAM	25	25	18.61	18.73	18.58		
10	256QAM	50	0	18.57	18.61	18.59		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	23.60	23.65	23.68	25	0
5	QPSK	1	12	23.53	23.62	23.50		
5	QPSK	1	24	23.60	23.68	23.55		
5	QPSK	12	0	22.61	22.72	22.61	24	1
5	QPSK	12	7	22.49	22.55	22.54		
5	QPSK	12	13	22.61	22.73	22.58		
5	QPSK	25	0	22.57	22.65	22.62		
5	16QAM	1	0	22.55	22.

Band 4 Ant7 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	19.91	20.01	19.80		
20	QPSK	1	49	19.86	19.94	19.89	21.4	0
20	QPSK	1	99	19.85	20.00	19.87		
20	QPSK	50	0	19.93	19.99	19.83		
20	QPSK	50	24	19.86	19.95	19.85	21.4	0
20	QPSK	50	50	19.94	19.90	19.90		
20	QPSK	100	0	19.90	19.92	19.89		
20	16QAM	1	0	19.85	19.91	19.80		
20	16QAM	1	49	19.93	19.88	19.87	21.4	0
20	16QAM	1	99	19.88	19.95	19.84		
20	16QAM	50	0	19.89	19.96	19.85		
20	16QAM	50	24	19.93	19.99	19.80	21.4	0
20	16QAM	50	50	19.86	19.89	19.81		
20	16QAM	100	0	19.94	19.99	19.87		
20	64QAM	1	0	19.90	19.96	19.85		
20	64QAM	1	49	19.84	19.97	19.84	21.4	0
20	64QAM	1	99	19.95	19.99	19.89		
20	64QAM	50	0	19.45	19.45	19.25		
20	64QAM	50	24	19.47	19.42	19.26	20.9	0.5
20	64QAM	50	50	19.43	19.50	19.27		
20	64QAM	100	0	19.36	19.47	19.31		
20	256QAM	1	0	17.39	17.50	17.34		
20	256QAM	1	49	17.46	17.45	17.27	18.9	2.5
20	256QAM	1	99	17.39	17.43	17.24		
20	256QAM	50	0	17.41	17.42	17.29		
20	256QAM	50	24	17.36	17.42	17.32	18.9	2.5
20	256QAM	50	50	17.37	17.46	17.27		
20	256QAM	100	0	17.37	17.42	17.25		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	19.83	19.87	19.67		
15	QPSK	1	37	19.80	19.79	19.82	21.4	0
15	QPSK	1	74	19.80	19.87	19.72		
15	QPSK	36	0	19.79	19.82	19.70		
15	QPSK	36	20	19.79	19.88	19.74	21.4	0
15	QPSK	36	39	19.87	19.86	19.80		
15	QPSK	75	0	19.80	19.88	19.83		
15	16QAM	1	0	19.74	19.84	19.76		
15	16QAM	1	37	19.77	19.79	19.73	21.4	0
15	16QAM	1	74	19.83	19.83	19.80		
15	16QAM	36	0	19.84	19.89	19.77		
15	16QAM	36	20	19.82	19.90	19.76	21.4	0
15	16QAM	36	39	19.81	19.84	19.67		
15	16QAM	75	0	19.78	19.95	19.71		
15	64QAM	1	0	19.85	19.84	19.71		
15	64QAM	1	37	19.69	19.92	19.79	21.4	0
15	64QAM	1	74	19.81	19.89	19.83		
15	64QAM	36	0	19.37	19.38	19.12		
15	64QAM	36	20	19.43	19.28	19.20	20.9	0.5
15	64QAM	36	39	19.37	19.43	19.14		
15	64QAM	75	0	19.31	19.40	19.23		
15	256QAM	1	0	17.33	17.40	17.26		
15	256QAM	1	37	17.38	17.32	17.16	18.9	2.5
15	256QAM	1	74	17.34	17.29	17.09		
15	256QAM	36	0	17.32	17.30	17.15		
15	256QAM	36	20	17.21	17.34	17.18	18.9	2.5
15	256QAM	36	39	17.27	17.37	17.20		
15	256QAM	75	0	17.21	17.29	17.10		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	19.81	19.87	19.68		
10	QPSK	1	25	19.71	19.89	19.74	21.4	0
10	QPSK	1	49	19.75	19.90	19.77		
10	QPSK	25	0	19.89	19.79	19.78		
10	QPSK	25	12	19.74	19.86	19.69	21.4	0
10	QPSK	25	25	19.84	19.92	19.85		
10	QPSK	50	0	19.81	19.77	19.81		
10	16QAM	1	0	19.79	19.86	19.66		
10	16QAM	1	25	19.83	19.77	19.82	21.4	0
10	16QAM	1	49	19.77	19.81	19.76		
10	16QAM	25	0	19.73	19.89	19.71		
10	16QAM	25	12	19.86	19.94	19.76	21.4	0
10	16QAM	25	25	19.79	19.75	19.75		
10	16QAM	50	0	19.83	19.86	19.80		
10	64QAM	1	0	19.82	19.87	19.72		
10	64QAM	1	25	19.79	19.87	19.79	21.4	0
10	64QAM	1	49	19.81	19.92	19.74		
10	64QAM	25	0	19.38	19.37	19.20		
10	64QAM	25	12	19.36	19.36	19.20	20.9	0.5
10	64QAM	25	25	19.33	19.44	19.22		
10	64QAM	50	0	19.23	19.36	19.21		
10	256QAM	1	0	17.24	17.42	17.22		
10	256QAM	1	25	17.37	17.32	17.19	18.9	2.5
10	256QAM	1	49	17.26	17.34	17.17		
10	256QAM	25	0	17.28	17.31	17.23		
10	256QAM	25	12	17.26	17.26	17.20	18.9	2.5
10	256QAM	25	25	17.29	17.35	17.22		
10	256QAM	50	0	17.33	17.35	17.15		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	19.83	19.93	19.76		
5	QPSK	1	12	19.71	19.88	19.80	21.4	0
5	QPSK	1	24	19.80	19.91	19.78		
5	QPSK	12	0	19.81	19.78	19.75		
5	QPSK	12	7	19.73	19.88	19.81	21.4	0
5	QPSK	12	13	19.82	19.90	19.82		
5	QPSK	25	0	19.83	19.78	19.85		
5	16QAM	1	0	19.70	19.81	19.65		
5	16QAM	1	12	19.88	19.82	19.81	21.4	0
5	16QAM	1	24	19.76	19.83	19.71		
5	16QAM	12	0	19.84	19.86	19.75		
5	16QAM	12	7	19.88	19.92	19.71	21.4	0
5	16QAM	12	13	19.77	19.83	19.71		
5	16QAM	25	0	19.84	19.88	19.72		
5	64QAM	1	0	19.85	19.81	19.70		
5	64QAM	1	12	19.68	19.89	19.78	21.4	0
5	64QAM	1	24	19.91	19.86	19.73		
5	64QAM	12	0	19.37	19.38	19.14		
5	64QAM	12	7	19.36	19.32	19.11	20.9	0.5
5	64QAM	12	13	19.31	19.39	19.18		
5	64QAM	25	0	19.30	19.40	19.20		
5	256QAM	1	0	17.29	17.41	17.21		
5	256QAM	1	12	17.32	17.30	17.11	18.9	2.5
5	256QAM	1	24	17.33	17.32	17.10		
5	256QAM	12	0	17.26	17.30	17.19		
5	256QAM	12	7	17.23	17.32	17.19	18.9	2.5
5	256QAM	12	13	17.24	17.34	17.23		
5	256QAM	25	0	17.25	17.27	17.18		
Channel				19950	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	19.76	19.87	19.64		
3	QPSK	1	8	19.78	19.79	19.77	21.4	0
3	QPSK	1	14	19.79	19.85	19.79		
3	QPSK	8	0	19.77	19.86	19.74		
3	QPSK	8	4	19.72	19.80	19.76	21.4	0
3	QPSK	8	7	19.89	19.91	19.81		
3	QPSK	15	0	19.81	19.83	19.77		
3	16QAM	1	0	19.72	19.75	19.74		
3	16QAM	1	8	19.81	19.77	19.78	21.4	0
3	16QAM	1	14	19.84	19.88	19.79		
3	16QAM	8	0	19.76	19.85	19.71		
3	16QAM	8	4	19.87	19.94	19.65	21.4	0
3	16QAM	8	7	19.77	19.81	19.70		
3	16QAM	15	0	19.88	19.91	19.75		
3	64QAM	1	0	19.86	19.80	19.77		
3	64QAM	1	8	19.72	19.90	19.77	21.4	0
3	64QAM	1	14	19.90	19.90	19.84		
3	64QAM	8	0	19.38	19.36	19.09		
3	64QAM	8	4	19.31	19.29	19.17	20.9	0.5
3	64QAM	8	7	19.34	19.37	19.18		
3	64QAM	15	0	19.28	19.40	19.20		
3	256QAM	1	0	17.34	17.42	17.30		
3	256QAM	1	8	17.39	17.41	17.22	18.9	2.5
3	256QAM	1	14	17.34	17.29	17.09		
3	256QAM	8	0	17.29	17.29	17.19		
3	256QAM	8	4	17.30	17.35	17.17	18.9	2.5
3	256QAM	8	7	17.23	17.33	17.15		
3	256QAM	15	0	17.27	17.31	17.19		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.62	19.80	19.59		
1.4	QPSK	1	3	19.68	19.78	19.56		
1.4	QPSK	1	5	19.67	19.79	19.50	21.4	0
1.4	QPSK	3	0	19.72	19.78	19.52		
1.4	QPSK	3	1	19.67	19.74	19.48		
1.4	QPSK	3	3	19.71	19.80	19.51		
1.4	QPSK	6	0	19.63	19.80	19.58	21.4	0
1.4	16QAM	1	0	19.68	19.73	19.56		
1.4	16QAM	1	3	19.70	19.74	19.57		
1.4	16QAM	1	5	19.64	19.78	19.48	21.4	0
1.4	16QAM	3	0	19.61	19.81	19.49		
1.4	16QAM	3	1	19.62	19.82	19.52		
1.4	16QAM	3	3	19.68	19.71	19.48		
1.4	16QAM	6	0	19.68	19.77	19.57	21.4	0
1.4	64QAM	1	0	19.64	19.81	19.50		
1.4	64QAM	1	3	19.71	19.82	19.49		
1.4	64QAM	1	5	19.66	19.73	19.56	21.4	0
1.4	64QAM	3	0	19.68	19.74	19.49		
1.4	64QAM	3	1	19.64	19.78	19.55		
1.4	64QAM	3	3	19.69	19.78	19.54		
1.4	64QAM	6	0	19.25	19.31	19.19	20.9	0.5
1.4	256QAM	1	0	17.24	17.35	17.12		
1.4	256QAM	1	3	17.30	17.40	17.19		
1.4	256QAM	1	5	17.22	17.43	17.16	18.9	2.5
1.4	256QAM	3	0	17.30	17.42	17.11		
1.4	256QAM	3	1	17.27	17.34	17.18		
1.4	256QAM	3	3	17.31	17.33	17.09		
1.4	256QAM	6	0	17.30	17.36	17.19	18.9	2.5

Band 7 Ant7 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.90	19.25	19.01		
20	QPSK	1	49	18.94	19.19	19.00	20.4	0
20	QPSK	1	99	18.93	19.13	19.08		
20	QPSK	50	0	18.98	19.20	19.04		
20	QPSK	50	24	18.99	19.15	19.00	20.4	0
20	QPSK	50	50	18.92	19.13	19.03		
20	QPSK	100	0	18.98	19.10	19.05		
20	16QAM	1	0	18.91	19.17	19.10		
20	16QAM	1	49	19.00	19.21	19.02	20.4	0
20	16QAM	1	99	18.93	19.18	19.02		
20	16QAM	50	0	18.97	19.12	19.04		
20	16QAM	50	24	18.96	19.10	19.09	20.4	0
20	16QAM	50	50	19.00	19.18	18.99		
20	16QAM	100	0	18.91	19.13	19.09		
20	64QAM	1	0	18.97	19.19	19.06		
20	64QAM	1	49	18.97	19.13	19.07	20.4	0
20	64QAM	1	99	18.96	19.15	19.05		
20	64QAM	50	0	18.78	19.02	18.86		
20	64QAM	50	24	18.81	19.04	18.88	20.4	0
20	64QAM	50	50	18.82	19.10	18.87		
20	64QAM	100	0	18.80	19.12	18.91		
20	256QAM	1	0	16.93	17.15	16.97		
20	256QAM	1	49	16.88	17.11	17.04	18.4	2
20	256QAM	1	99	16.95	17.17	17.01		
20	256QAM	50	0	16.92	17.16	17.02		
20	256QAM	50	24	16.85	17.22	17.06	18.4	2
20	256QAM	50	50	16.94	17.22	17.06		
20	256QAM	100	0	16.95	17.11	17.01		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.79	19.12	18.85		
15	QPSK	1	37	18.78	19.11	18.94	20.4	0
15	QPSK	1	74	18.87	19.01	18.94		
15	QPSK	36	0	18.83	19.13	18.92		
15	QPSK	36	20	18.91	19.01	18.87	20.4	0
15	QPSK	36	39	18.80	18.98	18.91		
15	QPSK	75	0	18.93	19.04	19.00		
15	16QAM	1	0	18.85	19.13	19.02		
15	16QAM	1	37	18.88	19.08	18.96	20.4	0
15	16QAM	1	74	18.88	19.14	18.88		
15	16QAM	36	0	18.85	18.99	18.89		
15	16QAM	36	20	18.82	19.01	19.03	20.4	0
15	16QAM	36	39	18.95	19.06	18.87		
15	16QAM	75	0	18.76	19.04	19.00		
15	64QAM	1	0	18.90	19.07	18.92		
15	64QAM	1	37	18.87	19.09	19.00	20.4	0
15	64QAM	1	74	18.87	19.04	19.01		
15	64QAM	36	0	18.70	18.91	18.78		
15	64QAM	36	20	18.66	19.00	18.77	20.4	0
15	64QAM	36	39	18.73	19.06	18.78		
15	64QAM	75	0	18.75	18.97	18.78		
15	256QAM	1	0	16.81	17.08	16.93		
15	256QAM	1	37	16.80	17.03	16.94	18.4	2
15	256QAM	1	74	16.79	17.06	16.95		
15	256QAM	36	0	16.67	17.04	16.93		
15	256QAM	36	20	16.80	17.12	16.94	18.4	2
15	256QAM	36	39	16.90	17.15	16.93		
15	256QAM	75	0	16.86	16.97	16.92		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.77	19.11	18.93		
10	QPSK	1	25	18.88	19.11	18.85	20.4	0
10	QPSK	1	49	18.85	19.05	18.93		
10	QPSK	25	0	18.94	19.12	18.88		
10	QPSK	25	12	18.84	19.02	18.85	20.4	0
10	QPSK	25	25	18.80	19.08	18.98		
10	QPSK	50	0	18.84	19.01	18.90		
10	16QAM	1	0	18.78	19.09	19.05		
10	16QAM	1	25	18.92	19.05	18.87	20.4	0
10	16QAM	1	49	18.88	19.11	18.87		
10	16QAM	25	0	18.89	19.04	18.90		
10	16QAM	25	12	18.92	18.99	18.98	20.4	0
10	16QAM	25	25	18.90	19.08	18.94		
10	16QAM	50	0	18.83	19.03	18.94		
10	64QAM	1	0	18.90	19.10	18.91		
10	64QAM	1	25	18.83	18.98	18.92	20.4	0
10	64QAM	1	49	18.90	19.01	18.92		
10	64QAM	25	0	18.62	18.91	18.72		
10	64QAM	25	12	18.71	18.91	18.72	20.4	0
10	64QAM	25	25	18.68	18.99	18.83		
10	64QAM	50	0	18.72	19.00	18.80		
10	256QAM	1	0	16.78	17.10	16.84		
10	256QAM	1	25	16.82	16.96	16.88	18.4	2
10	256QAM	1	49	16.84	17.07	16.89		
10	256QAM	25	0	16.62	17.02	16.89		
10	256QAM	25	12	16.76	17.16	16.91	18.4	2
10	256QAM	25	25	16.84	17.06	16.95		
10	256QAM	50	0	16.80	16.98	16.86		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.77	19.11	18.89		
5	QPSK	1	12	18.80	19.13	18.93	20.4	0
5	QPSK	1	24	18.81	19.02	18.93		
5	QPSK	12	0	18.90	19.10	18.92		
5	QPSK	12	7	18.93	19.08	18.89	20.4	0
5	QPSK	12	13	18.87	19.08	18.91		
5	QPSK	25	0	18.91	19.00	19.00		
5	16QAM	1	0	18.80	19.05	18.98		
5	16QAM	1	12	18.85	19.14	18.91	20.4	0
5	16QAM	1	24	18.86	19.14	18.92		
5	16QAM	12	0	18.91	19.06	18.92		
5	16QAM	12	7	18.91	18.99	18.98	20.4	0
5	16QAM	12	13	18.87	19.12	18.93		
5	16QAM	25	0	18.86	19.03	18.95		
5	64QAM	1	0	18.85	19.09	19.01		
5	64QAM	1	12	18.83	19.08	19.01	20.4	0
5	64QAM	1	24	18.85	19.10	18.96		
5	64QAM	12	0	18.70	18.88	18.76		
5	64QAM	12	7	18.73	18.94	18.74	20.4	0
5	64QAM	12	13	18.71	18.98	18.77		
5	64QAM	25	0	18.64	19.06	18.82		
5	256QAM	1	0	16.80	17.02	16.81		
5	256QAM	1	12	16.79	17.05	16.90	18.4	2
5	256QAM	1	24	16.86	17.11	16.87		
5	256QAM	12	0	16.77	17.11	16.95		
5	256QAM	12	7	16.74	17.09	16.93	18.4	2
5	256QAM	12	13	16.85	17.06	16.96		
5	256QAM	25	0	16.87	16.96	16.88		

Band 66 Ant7 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	19.85	19.99	19.92		
20	QPSK	1	49	19.91	19.92	19.92	21.5	0
20	QPSK	1	99	19.90	19.93	19.89		
20	QPSK	50	0	19.87	19.95	19.94		
20	QPSK	50	24	19.92	19.86	19.91	21.5	0
20	QPSK	50	50	19.82	19.89	19.85		
20	QPSK	100	0	19.88	19.97	19.90		
20	16QAM	1	0	19.89	19.95	19.87		
20	16QAM	1	49	19.87	19.91	19.85	21.5	0
20	16QAM	1	99	19.83	19.88	19.87		
20	16QAM	50	0	19.89	19.93	19.89		
20	16QAM	50	24	19.89	19.94	19.94	21.5	0
20	16QAM	50	50	19.87	19.87	19.93		
20	16QAM	100	0	19.87	19.89	19.84		
20	64QAM	1	0	19.85	19.88	19.86		
20	64QAM	1	49	19.89	19.97	19.93	21.5	0
20	64QAM	1	99	19.90	19.97	19.86		
20	64QAM	50	0	19.35	19.44	19.35		
20	64QAM	50	24	19.31	19.36	19.40	21	0.5
20	64QAM	50	50	19.34	19.37	19.40		
20	64QAM	100	0	19.39	19.42	19.42		
20	256QAM	1	0	17.36	17.39	17.42		
20	256QAM	1	49	17.33	17.44	17.36	19	2.5
20	256QAM	1	99	17.33	17.45	17.38		
20	256QAM	50	0	17.40	17.36	17.47		
20	256QAM	50	24	17.41	17.40	17.39	19	2.5
20	256QAM	50	50	17.38	17.43	17.41		
20	256QAM	100	0	17.31	17.37	17.39		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	19.79	19.88	19.80		
15	QPSK	1	37	19.76	19.84	19.86	21.5	0
15	QPSK	1	74	19.83	19.86	19.76		
15	QPSK	36	0	19.76	19.82	19.87		
15	QPSK	36	20	19.80	19.79	19.77	21.5	0
15	QPSK	36	39	19.73	19.85	19.79		
15	QPSK	75	0	19.81	19.92	19.85		
15	16QAM	1	0	19.73	19.83	19.71		
15	16QAM	1	37	19.75	19.86	19.75	21.5	0
15	16QAM	1	74	19.75	19.77	19.74		
15	16QAM	36	0	19.75	19.85	19.84		
15	16QAM	36	20	19.78	19.82	19.79	21.5	0
15	16QAM	36	39	19.82	19.78	19.86		
15	16QAM	75	0	19.82	19.76	19.78		
15	64QAM	1	0	19.73	19.73	19.80		
15	64QAM	1	37	19.74	19.85	19.89	21.5	0
15	64QAM	1	74	19.86	19.81	19.71		
15	64QAM	36	0	19.31	19.40	19.26		
15	64QAM	36	20	19.19	19.28	19.30	21	0.5
15	64QAM	36	39	19.29	19.22	19.35		
15	64QAM	75	0	19.29	19.34	19.29		
15	256QAM	1	0	17.26	17.29	17.30		
15	256QAM	1	37	17.24	17.30	17.33	19	2.5
15	256QAM	1	74	17.22	17.39	17.25		
15	256QAM	36	0	17.29	17.29	17.37		
15	256QAM	36	20	17.28	17.30	17.25	19	2.5
15	256QAM	36	39	17.30	17.34	17.26		
15	256QAM	75	0	17.22	17.26	17.31		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	19.80	19.84	19.87		
10	QPSK	1	25	19.83	19.82	19.88	21.5	0
10	QPSK	1	49	19.82	19.87	19.79		
10	QPSK	25	0	19.74	19.82	19.86		
10	QPSK	25	12	19.80	19.74	19.86	21.5	0
10	QPSK	25	25	19.68	19.85	19.79		
10	QPSK	50	0	19.82	19.81	19.77		
10	16QAM	1	0	19.75	19.83	19.71		
10	16QAM	1	25	19.75	19.77	19.78	21.

Band 38 Ant7 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.37	21.59	21.41	22.6	0
20	QPSK	1	49	21.32	21.52	21.39		
20	QPSK	1	99	21.32	21.49	21.40		
20	QPSK	50	0	21.33	21.54	21.42		
20	QPSK	50	24	21.37	21.50	21.44	22.6	0
20	QPSK	50	50	21.33	21.50	21.41		
20	QPSK	100	0	21.34	21.50	21.43		
20	16QAM	1	0	21.36	21.52	21.44	22.6	0
20	16QAM	1	49	21.36	21.50	21.42		
20	16QAM	1	99	21.33	21.52	21.41		
20	16QAM	50	0	20.37	20.55	20.45	21.6	1
20	16QAM	50	24	20.30	20.48	20.43		
20	16QAM	50	50	20.26	20.53	20.38		
20	16QAM	100	0	20.28	20.57	20.43		
20	64QAM	1	0	20.37	20.46	20.48	21.6	1
20	64QAM	1	49	20.34	20.53	20.38		
20	64QAM	1	99	20.39	20.47	20.49		
20	64QAM	50	0	19.34	19.56	19.36	20.6	2
20	64QAM	50	24	19.30	19.53	19.45		
20	64QAM	50	50	19.30	19.46	19.35		
20	64QAM	100	0	19.38	19.54	19.46		
20	256QAM	1	0	17.40	17.53	17.40	18.6	4
20	256QAM	1	49	17.37	17.48	17.44		
20	256QAM	1	99	17.27	17.48	17.36		
20	256QAM	50	0	17.27	17.50	17.48	18.6	4
20	256QAM	50	24	17.39	17.46	17.39		
20	256QAM	50	50	17.37	17.54	17.46		
20	256QAM	100	0	17.39	17.52	17.49		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.29	21.48	21.34	22.6	0
15	QPSK	1	37	21.32	21.45	21.30		
15	QPSK	1	74	21.21	21.39	21.28		
15	QPSK	36	0	21.27	21.53	21.34	22.6	0
15	QPSK	36	20	21.30	21.40	21.35		
15	QPSK	36	39	21.25	21.40	21.40		
15	QPSK	75	0	21.25	21.39	21.42		
15	16QAM	1	0	21.28	21.41	21.41	22.6	0
15	16QAM	1	37	21.27	21.45	21.38		
15	16QAM	1	74	21.33	21.50	21.36		
15	16QAM	36	0	20.34	20.49	20.43	21.6	1
15	16QAM	36	20	20.19	20.44	20.35		
15	16QAM	36	39	20.16	20.43	20.36		
15	16QAM	75	0	20.18	20.56	20.35		
15	64QAM	1	0	20.33	20.36	20.47	21.6	1
15	64QAM	1	37	20.25	20.44	20.31		
15	64QAM	1	74	20.27	20.45	20.40		
15	64QAM	36	0	19.25	19.48	19.33	20.6	2
15	64QAM	36	20	19.27	19.43	19.35		
15	64QAM	36	39	19.27	19.43	19.25		
15	64QAM	75	0	19.30	19.47	19.38		
15	256QAM	1	0	17.31	17.49	17.31	18.6	4
15	256QAM	1	37	17.28	17.37	17.34		
15	256QAM	1	74	17.26	17.43	17.26		
15	256QAM	36	0	17.26	17.43	17.40	18.6	4
15	256QAM	36	20	17.38	17.44	17.38		
15	256QAM	36	39	17.30	17.53	17.40		
15	256QAM	75	0	17.35	17.52	17.45		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.28	21.49	21.32	22.6	0
10	QPSK	1	25	21.28	21.48	21.28		
10	QPSK	1	49	21.22	21.43	21.39		
10	QPSK	25	0	21.28	21.43	21.41	22.6	0
10	QPSK	25	12	21.33	21.38	21.36		
10	QPSK	25	25	21.23	21.40	21.40		
10	QPSK	50	0	21.27	21.46	21.35		
10	16QAM	1	0	21.34	21.44	21.35	22.6	0
10	16QAM	1	25	21.34	21.43	21.36		
10	16QAM	1	49	21.25	21.47	21.37		
10	16QAM	25	0	20.35	20.43	20.44	21.6	1
10	16QAM	25	12	20.22	20.42	20.33		
10	16QAM	25	25	20.20	20.52	20.37		
10	16QAM	50	0	20.19	20.54	20.36		
10	64QAM	1	0	20.25	20.42	20.39	21.6	1
10	64QAM	1	25	20.31	20.41	20.38		
10	64QAM	1	49	20.38	20.43	20.45		
10	64QAM	25	0	19.25	19.51	19.32	20.6	2
10	64QAM	25	12	19.24	19.49	19.36		
10	64QAM	25	25	19.22	19.35	19.30		
10	64QAM	50	0	19.35	19.44	19.34		
10	256QAM	1	0	17.31	17.51	17.31	18.6	4
10	256QAM	1	25	17.35	17.40	17.33		
10	256QAM	1	49	17.26	17.41	17.33		
10	256QAM	25	0	17.19	17.47	17.41	18.6	4
10	256QAM	25	12	17.36	17.37	17.33		
10	256QAM	25	25	17.27	17.49	17.39		
10	256QAM	50	0	17.30	17.50	17.42		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.35	21.55	21.30	22.6	0
5	QPSK	1	12	21.20	21.45	21.37		
5	QPSK	1	24	21.31	21.37	21.30		
5	QPSK	12	0	21.28	21.54	21.42	22.6	0
5	QPSK	12	7	21.36	21.47	21.44		
5	QPSK	12	13	21.33	21.40	21.39		
5	QPSK	25	0	21.26	21.46	21.36		
5	16QAM	1	0	21.28	21.40	21.40	22.6	0
5	16QAM	1	12	21.36	21.47	21.31		
5	16QAM	1	24	21.29	21.50	21.30		
5	16QAM	12	0	20.35	20.44	20.34	21.6	1
5	16QAM	12	7	20.25	20.45	20.40		
5	16QAM	12	13	20.17	20.47	20.31		
5	16QAM	25	0	20.26	20.46	20.32		
5	64QAM	1	0	20.36	20.42	20.42	21.6	1
5	64QAM	1	12	20.31	20.46	20.30		
5	64QAM	1	24	20.30	20.38	20.43		
5	64QAM	12	0	19.27	19.55	19.26	20.6	2
5	64QAM	12	7	19.26	19.50	19.36		
5	64QAM	12	13	19.21	19.40	19.28		
5	64QAM	25	0	19.33	19.50	19.37		
5	256QAM	1	0	17.39	17.41	17.37	18.6	4
5	256QAM	1	12	17.32	17.47	17.37		
5	256QAM	1	24	17.19	17.46	17.30		
5	256QAM	12	0	17.25	17.50	17.39	18.6	4
5	256QAM	12	7	17.36	17.39	17.35		
5	256QAM	12	13	17.35	17.45	17.35		
5	256QAM	25	0	17.31	17.46	17.40		

Band 41 Ant7 DSI 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.17	21.25	21.43	21.28	21.20	22.6	0
20	QPSK	1	49	21.16	21.23	21.38	21.28	21.22		
20	QPSK	1	99	21.16	21.21	21.36	21.27	21.22		
20	QPSK	50	0	21.19	21.24	21.42	21.25	21.24		
20	QPSK	50	24	21.19	21.24	21.40	21.28	21.20	22.6	0
20	QPSK	50	50	21.19	21.21	21.36	21.25	21.21		
20	QPSK	100	0	21.17	21.23	21.39	21.26	21.21		
20	16QAM	1	0	21.20	21.20	21.38	21.27	21.21	22.6	0
20	16QAM	1	49	21.19	21.21	21.38	21.25	21.24		
20	16QAM	1	99	21.20	21.23	21.36	21.27	21.24		
20	16QAM	50	0	20.70	20.76	20.95	20.73	20.76	22.1	0.5
20	16QAM	50	24	20.62	20.77	20.85	20.77	20.72		
20	16QAM	50	50	20.70	20.70	20.88	20.73	20.66		
20	16QAM	100	0	20.75	20.78	20.92	20.70	20.78		
20	64QAM	1	0	20.71	20.79	20.86	20.72	20.64	22.1	0.5
20	64QAM	1	49	20.65	20.76	20.91	20.76	20.71		
20	64QAM	1	99	20.62	20.69	20.93	20.82	20.65		
20	64QAM	50	0	19.70	19.77	19.95	19.76	19.65	21.1	1.5
20	64QAM	50	24	19.71	19.77	19.85	19.83	19.75		
20	64QAM	50	50	19.69	19.72	19.90	19.75	19.77		
20	64QAM	100	0	19.70	19.78	19.93	19.79	19.79		
20	256QAM	1	0	17.65	17.75	17.94	17.83	17.67	19.1	3.5
20	256QAM	1	49	17.62	17.69	17.89	17.81	17.75		
20	256QAM	1	99	17.66	17.68	17.91	17.81	17.68		
20	256QAM	50	0	17.74	17.71	17.89	17.79	17.78	19.1	3.5
20	256QAM	50	24	17.71	17.75	17.89	17.80	17.68		
20	256QAM	50	50	17.71	17.73	17.87	17.72	17.69		
20	256QAM	100	0	17.61	17.69	17.95	17.74	17.76		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.08	21.18	21.30	21.15	21.14	23	0
15	QPSK	1	37	21.08	21.09	21.33	21.24	21.18		
15	QPSK	1	74	21.06	21.12	21.23	21.14	21.15		
15	QPSK	36	0	21.06	21.15	21.33	21.22	21.21	22.6	0
15	QPSK	36	20	21.12	21.17	21.37	21.25	21.11		
15	QPSK	36	39	21.10	21.11	21.31	21.21	21.17		
15	QPSK	75	0	21.13	21.18	21.35	21.24	21.11		
15	16QAM	1	0	21.18	21.16	21.26	21.23	21.12	22.6	0
15	16QAM	1	37	21.14	21.18	21.26	21.18	21.14		
15	16QAM	1	74	21.15	21.19	21.25	21.18	21.20		
15	16QAM	36	0	20.57	20.69	20.87	20.60	20.66	22.1	0.5
15	16QAM	36	20	20.58	20.64	20.80	20.72	20.69		
15	16QAM	36	39	20.65	20.62	20.82	20.60	20.52		
15	16QAM	75	0	20.71	20.67	20.85	20.64	20.70		
15	64QAM	1	0	20.63	20.70	20.82	20.67	20.60	22.1	0.5
15	64QAM	1	37	20.54	20.63	20.85	20.63	20.58		
15	64QAM	1	74	20.51	20.59	20.79	20.76	20.54		
15	64QAM	36	0	19.63	19.75	19.86	19.73	19.62	21.1	1.5
15	64QAM	36	20	19.64	19.65	19.79	19.76	19.70		
15	64QAM	36	39	19.66	19.60	19.82	19.64	19.65		
15	64QAM	75	0	19.63	19.76	19.82	19.74	19.66		
15	256QAM	1	0	17.58	17.68	17.91	17.72	17.59	19.1	3.5
15	256QAM	1	37	17.55	17.63	17.79	17.73	17.65		
15	256QAM	1	74	17.54	17.65	17.82	17.74	17.62		
15	256QAM	36	0	17.68	17.58	17.86	17.66	17.69	19.1	3.5
15	256QAM	36	20	17.62	17.65	17.81	17.77	17.65		
15	256QAM	36	39	17.59	17.62	17.75	17.70	17.60		
15	256QAM	75	0	17.51	17.60	17.89	17.68	17.63		
Channel				39700	40100	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.08	21.15	21.38	21.15	21.18	23	0
10	QPSK	1	25	21.07	21.12	21.36	21.23	21.10		
10	QPSK	1	49	21.11	21.12	21.34	21.16	21.14		
10	QPSK	25	0	21.05	21.20	21.39	21.23	21.11	22.6	0
10	QPSK	25	12	21.12	21.17	21.31	21.23	21.09		
10	QPSK	25	25	21.09	21.16	21.34	21.19	21.10		
10	QPSK	50	0	21.07	21.09	21.32	21.18	21.15		
10	16QAM	1	0	21.11	21.16	21.34	21.18	21.09	22.6	0
10	16QAM	1	25	21.17	21.16	21.26	21.13	21.11		
10	16QAM	1	49	21.06	21.14	21.26	21.25	21.12		
10	16QAM	25	0	20.58	20.69	20.90	20.69	20.68	22.1	0.5
10	16QAM	25	12	20.57	20.73	20.77	20.68	20.70		
10	16QAM	25	25	20.58	20.66	20.75	20.69	20.58		
10	16QAM	50	0	20.65	20.74	20.84	20.63	20.66		
10	64QAM	1	0	20.61	20.73	20.74	20.60	20.52	22.1	0.5
10	64QAM	1	25	20.55	20.69	20.86	20.64	20.64		
10	64QAM	1	49	20.50	20.57	20.81	20.77	20.60		
10	64QAM	25	0	19.67	19.70	19.92	19.69	19.53	21.1	1.5
10	64QAM	25	12	19.68	19.71	19.75	19.80	19.66		
10	64QAM	25	25	19.67	19.67	19.78	19.62	19.72		
10	64QAM	50	0	19.67	19.68	19.85	19.75	19.71		
10	256QAM	1	0	17.62	17.64	17.82	17.75	17.63	19.1	3.5
10	256QAM	1	25	17.52	17.63	17.82	17.69	17.69		
10	256QAM	1	49	17.61	17.58	17.87	17.75	17.62		
10	256QAM	25	0	17.70	17.63	17.80	17.73	17.65	19.1	3.5
10	256QAM	25	12	17.63	17.62	17.79	17.75	17.54		
10	256QAM	25	25	17.59	17.65	17.84	17.69	17.59		
10	256QAM	50	0	17.49	17.57	17.89	17.66	17.70		
Channel				39675	40148	40622	41097	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.03	21.18	21.37	21.22	21.07	23	0
5	QPSK	1	12	21.09	21.19	21.25	21.16	21.18		
5	QPSK	1	24	21.14	21.11	21.30	21.14	21.18		
5	QPSK	12	0	21.12	21.16	21.35	21.11	21.17	22.6	0
5	QPSK	12	7	21.09	21.17	21.33	21.22	21.12		
5	QPSK	12	13	21.07	21.11	21.27	21.22	21.10		
5	QPSK	25	0	21.14	21.12	21.29	21.14	21.08		
5	16QAM	1	0	21.16	21.12	21.30	21.14	21.15	22.6	0
5	16QAM	1	12	21.11	21.15	21.29	21.14	21.14		
5	16QAM	1	24	21.11	21.17	21.25	21.15	21.17		
5	16QAM	12	0	20.57	20.64	20.91	20.71	20.62	22.1	0.5
5	16QAM	12	7	20.50	20.69	20.82	20.75	20.67		
5	16QAM	12	13	20.59	20.62	20.84	20.69	20.62		
5	16QAM	25	0	20.71	20.71	20.78	20.66	20.70		
5	64QAM	1	0	20.61	20.73	20.73	20.60	20.58	22.1	0.5
5	64QAM	1	12	20.57	20.72	20.84	20.66	20.68		
5	64QAM	1	24	20.50	20.59	20.87	20.78	20.52		
5	64QAM	12	0	19.65	19.70	19.90	19.67	19.54	21.1	1.5
5	64QAM	12	7	19.57	19.68	19.73	19.70	19.68		
5	64QAM	12	13	19.62	19.60	19.85	19.67	19.75		
5	64QAM	25	0	19.63	19.74	19.88	19.67	19.76		
5	256QAM	1	0	17.52	17.61	17.88	17.81	17.62	19.1	3.5
5	256QAM	1	12	17.54	17.61	17.82	17.68	17.71		
5	256QAM	1	24	17.63	17.55	17.82	17.76	17.61		
5	256QAM	12	0	17.65	17.63	17.76	17.71	17.76	19.1	3.5
5	256QAM	12	7	17.63	17.65	17.77	17.70	17.57		
5	256QAM	12	13	17.60	17.66	17.74	17.64	17.62		
5	256QAM	25	0	17.59	17.66	17.91	17.61	17.69		

Band 42 Ant10 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.52	23.55	23.49	24.7	0
20	QPSK	1	49	23.39	23.52	23.43		
20	QPSK	1	99	23.48	23.50	23.45		
20	QPSK	50	0	22.55	22.59	22.53	23.7	1
20	QPSK	50	24	22.37	22.51	22.45		
20	QPSK	50	50	22.51	22.50	22.42		
20	QPSK	100	0	22.48	22.55	22.54		
20	16QAM	1	0	22.55	22.53	22.52	23.7	1
20	16QAM	1	49	22.43	22.53	22.45		
20	16QAM	1	99	22.45	22.54	22.42		
20	16QAM	50	0	21.50	21.57	21.56	22.7	2
20	16QAM	50	24	21.41	21.45	21.49		
20	16QAM	50	50	21.56	21.55	21.40		
20	16QAM	100	0	21.46	21.53	21.58		
20	64QAM	1	0	21.53	21.48	21.54	22.7	2
20	64QAM	1	49	21.41	21.55	21.48		
20	64QAM	1	99	21.41	21.60	21.38		
20	64QAM	50	0	20.51	20.64	20.55	21.7	3
20	64QAM	50	24	20.38	20.56	20.40		
20	64QAM	50	50	20.46	20.51	20.44		
20	64QAM	100	0	20.50	20.53	20.51		
20	256QAM	1	0	18.57	18.64	18.50	19.7	5
20	256QAM	1	49	18.42	18.49	18.39		
20	256QAM	1	99	18.57	18.58	18.46		
20	256QAM	50	0	18.48	18.56	18.49	19.7	5
20	256QAM	50	24	18.59	18.50	18.54		
20	256QAM	50	50	18.48	18.50	18.43		
20	256QAM	100	0	18.40	18.57	18.47		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	23.41	23.52	23.42	24.7	0
15	QPSK	1	37	23.26	23.48	23.34		
15	QPSK	1	74	23.36	23.45	23.37		
15	QPSK	36	0	22.52	22.52	22.50	23.7	1
15	QPSK	36	20	22.30	22.44	22.42		
15	QPSK	36	39	22.47	22.45	22.31		
15	QPSK	75	0	22.39	22.47	22.47		
15	16QAM	1	0	22.51	22.42	22.46	23.7	1
15	16QAM	1	37	22.38	22.41	22.41		
15	16QAM	1	74	22.32	22.45	22.38		
15	16QAM	36	0	21.43	21.52	21.52	22.7	2
15	16QAM	36	20	21.36	21.34	21.37		
15	16QAM	36	39	21.48	21.45	21.33		
15	16QAM	75	0	21.36	21.42	21.55		
15	64QAM	1	0	21.48	21.40	21.41	22.7	2
15	64QAM	1	37	21.31	21.52	21.41		
15	64QAM	1	74	21.35	21.56	21.35		
15	64QAM	36	0	20.46	20.56	20.47	21.7	3
15	64QAM	36	20	20.26	20.53	20.36		
15	64QAM	36	39	20.42	20.45	20.33		
15	64QAM	75	0	20.46	20.45	20.44		
15	256QAM	1	0	18.52	18.54	18.46	19.7	5
15	256QAM	1	37	18.39	18.35	18.27		
15	256QAM	1	74	18.44	18.51	18.43		
15	256QAM	36	0	18.37	18.50	18.41	19.7	5
15	256QAM	36	20	18.51	18.39	18.48		
15	256QAM	36	39	18.44	18.41	18.38		
15	256QAM	75	0	18.28	18.43	18.42		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	23.39	23.48	23.44	24.7	0
10	QPSK	1	25	23.27	23.39	23.37		
10	QPSK	1	49	23.35	23.36	23.39		
10	QPSK	25	0	22.45	22.53	22.39	23.7	1
10	QPSK	25	12	22.27	22.40	22.41		
10	QPSK	25	25	22.48	22.41	22.33		
10	QPSK	50	0	22.39	22.53	22.46		
10	16QAM	1	0	22.45	22.41	22.38	23.7	1
10	16QAM	1	25	22.39	22.42	22.43		
10	16QAM	1	49	22.34	22.51	22.36		
10	16QAM	25	0	21.37	21.47	21.47	22.7	2
10	16QAM	25	12	21.32	21.32	21.39		
10	16QAM	25	25	21.43	21.51	21.34		
10	16QAM	50	0	21.33	21.46	21.51		
10	64QAM	1	0	21.45	21.40	21.51	22.7	2
10	64QAM	1	25	21.35	21.45	21.38		
10	64QAM	1	49	21.30	21.58	21.34		
10	64QAM	25	0	20.39	20.51	20.47	21.7	3
10	64QAM	25	12	20.31	20.47	20.34		
10	64QAM	25	25	20.41	20.37	20.31		
10	64QAM	50	0	20.43	20.50	20.44		
10	256QAM	1	0	18.52	18.60	18.38	19.7	5
10	256QAM	1	25	18.32	18.47	18.29		
10	256QAM	1	49	18.50	18.42	18.36		
10	256QAM	25	0	18.37	18.51	18.46	19.7	5
10	256QAM	25	12	18.55	18.38	18.51		
10	256QAM	25	25	18.45	18.44	18.30		
10	256QAM	50	0	18.30	18.45	18.36		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	23.50	23.51	23.36	24.7	0
5	QPSK	1	12	23.29	23.40	23.34		
5	QPSK	1	24	23.40	23.39	23.37		
5	QPSK	12	0	22.44	22.45	22.44	23.7	1
5	QPSK	12	7	22.35	22.45	22.40		
5	QPSK	12	13	22.46	22.38	22.32		
5	QPSK	25	0	22.37	22.50	22.49		
5	16QAM	1	0	22.49	22.40	22.40	23.7	1
5	16QAM	1	12	22.31	22.48	22.40		
5	16QAM	1	24	22.40	22.46	22.32		
5	16QAM	12	0	21.45	21.54	21.52	22.7	2
5	16QAM	12	7	21.37	21.40	21.35		
5	16QAM	12	13	21.44	21.46	21.33		
5	16QAM	25	0	21.40	21.48	21.45		
5	64QAM	1	0	21.44	21.41	21.49	22.7	2
5	64QAM	1	12	21.32	21.51	21.40		
5	64QAM	1	24	21.31	21.57	21.25		
5	64QAM	12	0	20.40	20.61	20.46	21.7	3
5	64QAM	12	7	20.31	20.46	20.36		
5	64QAM	12	13	20.34	20.44	20.31		
5	64QAM	25	0	20.38	20.45	20.45		
5	256QAM	1	0	18.49	18.61	18.46	19.7	5
5	256QAM	1	12	18.30	18.41	18.26		
5	256QAM	1	24	18.52	18.53	18.40		
5	256QAM	12	0	18.36	18.49	18.44	19.7	5
5	256QAM	12	7	18.55	18.45	18.47		
5	256QAM	12	13	18.39	18.38	18.36		
5	256QAM	25	0	18.29	18.53	18.40		

Reduced Power Mode for DSI5_Other PA

Band 4 Ant5 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	16.73	16.85	16.78	17.7	0
20	QPSK	1	49	16.72	16.78	16.79		
20	QPSK	1	99	16.75	16.80	16.75		
20	QPSK	50	0	16.74	16.83	16.76	17.7	0
20	QPSK	50	24	16.75	16.70	16.73		
20	QPSK	50	50	16.68	16.82	16.73		
20	QPSK	100	0	16.74	16.81	16.71		
20	16QAM	1	0	16.69	16.80	16.80	17.7	0
20	16QAM	1	49	16.78	16.72	16.79		
20	16QAM	1	99	16.73	16.70	16.70		
20	16QAM	50	0	16.72	16.74	16.71	17.7	0
20	16QAM	50	24	16.78	16.77	16.77		
20	16QAM	50	50	16.77	16.74	16.74		
20	16QAM	100	0	16.71	16.70	16.71		
20	64QAM	1	0	16.77	16.81	16.74	17.7	0
20	64QAM	1	49	16.76	16.78	16.77		
20	64QAM	1	99	16.76	16.71	16.68		
20	64QAM	50	0	16.77	16.81	16.75	17.7	0
20	64QAM	50	24	16.68	16.71	16.75		
20	64QAM	50	50	16.66	16.75	16.68		
20	64QAM	100	0	16.78	16.71	16.78		
20	256QAM	1	0	16.72	16.77	16.69	17.7	0
20	256QAM	1	49	16.77	16.74	16.69		
20	256QAM	1	99	16.78	16.79	16.77		
20	256QAM	50	0	16.69	16.75	16.73	17.7	0
20	256QAM	50	24	16.68	16.79	16.78		
20	256QAM	50	50	16.74	16.72	16.74		
20	256QAM	100	0	16.73	16.81	16.75		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	16.57	16.79	16.64	17.7	0
15	QPSK	1	37	16.61	16.66	16.64		
15	QPSK	1	74	16.67	16.64	16.69		
15	QPSK	36	0	16.69	16.63	16.63	17.7	0
15	QPSK	36	20	16.59	16.57	16.63		
15	QPSK	36	39	16.58	16.77	16.59		
15	QPSK	75	0	16.65	16.76	16.55		
15	16QAM	1	0	16.63	16.65	16.76	17.7	0
15	16QAM	1	37	16.68	16.57	16.73		
15	16QAM	1	74	16.60	16.65	16.62		
15	16QAM	36	0	16.61	16.63	16.56	17.7	0
15	16QAM	36	20	16.65	16.64	16.63		
15	16QAM	36	39	16.70	16.63	16.59		
15	16QAM	75	0	16.56	16.59	16.55		
15	64QAM	1	0	16.70	16.68	16.59	17.7	0
15	64QAM	1	37	16.64	16.72	16.71		
15	64QAM	1	74	16.66	16.66	16.59		
15	64QAM	36	0	16.66	16.70	16.68	17.7	0
15	64QAM	36	20	16.58	16.64	16.65		
15	64QAM	36	39	16.60	16.62	16.54		
15	64QAM	75	0	16.68	16.65	16.64		
15	256QAM	1	0	16.67	16.69	16.62	17.7	0
15	256QAM	1	37	16.71	16.64	16.57		
15	256QAM	1	74	16.62	16.72	16.62		
15	256QAM	36	0	16.57	16.70	16.68	17.7	0
15	256QAM	36	20	16.54	16.75	16.68		
15	256QAM	36	39	16.64	16.65	16.62		
15	256QAM	75	0	16.68	16.67	16.66		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	16.61	16.78	16.70	17.7	0
10	QPSK	1	25	16.65	16.70	16.72		
10	QPSK	1	49	16.63	16.64	16.69		
10	QPSK	25	0	16.64	16.69	16.62	17.7	0
10	QPSK	25	12	16.69	16.62	16.59		
10	QPSK	25	25	16.54	16.72	16.60		
10	QPSK	50	0	16.63	16.75	16.59		
10	16QAM	1	0	16.55	16.76	16.76	17.7	0
10	16QAM	1	25	16.70	16.58	16.69		
10	16QAM	1	49	16.59	16.61	16.55		
10	16QAM	25	0	16.61	16.67	16.57	17.7	0
10	16QAM	25	12	16.64	16.67	16.71		
10	16QAM	25	25	16.70	16.60	16.58		
10	16QAM	50	0	16.66	16.60	16.59		
10	64QAM	1	0	16.64	16.75	16.62	17.7	0
10	64QAM	1	25	16.62	16.73	16.67		
10	64QAM	1	49	16.62	16.65	16.63		
10	64QAM	25	0	16.73	16.68	16.70	17.7	0
10	64QAM	25	12	16.62	16.59	16.65		
10	64QAM	25	25	16.61	16.69	16.53		
10	64QAM	50	0	16.74	16.66	16.74		
10	256QAM	1	0	16.58	16.73	16.65	17.7	0
10	256QAM	1	25	16.65	16.61	16.64		
10	256QAM	1	49	16.69	16.71	16.72		
10	256QAM	25	0	16.58	16.68	16.66	17.7	0
10	256QAM	25	12	16.58	16.63	16.74		
10	256QAM	25	25	16.66	16.62	16.68		
10	256QAM	50	0	16.59	16.76	16.60		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	16.64	16.75	16.73	17.7	0
5	QPSK	1	12	16.63	16.65	16.64		
5	QPSK	1	24	16.65	16.66	16.68		
5	QPSK	12	0	16.63	16.71	16.62	17.7	0
5	QPSK	12	7	16.66	16.59	16.65		
5	QPSK	12	13	16.53	16.76	16.61		
5	QPSK	25	0	16.63	16.69	16.66	17.7	0
5	16QAM	1	0	16.57	16.68	16.71		
5	16QAM	1	12	16.74	16.61	16.67		
5	16QAM	1	24	16.63	16.62	16.64		
5	16QAM	12	0	16.57	16.59	16.66	17.7	0
5	16QAM	12	7	16.70	16.66	16.63		
5	16QAM	12	13	16.68	16.61	16.68		
5	16QAM	25	0	16.66	16.65	16.57	17.7	0
5	64QAM	1	0	16.70	16.68	16.66		
5	64QAM	1	12	16.61	16.68	16.69		
5	64QAM	1	24	16.63	16.64	16.60		
5	64QAM	12	0	16.64	16.67	16.68	17.7	0
5	64QAM	12	7	16.56	16.65	16.59		
5	64QAM	12	13	16.55	16.60	16.53		
5	64QAM	25	0	16.64	16.61	16.72		
5	256QAM	1	0	16.60	16.66	16.56	17.7	0
5	256QAM	1	12	16.62	16.58	16.62		
5	256QAM	1	24	16.73	16.69	16.63		
5	256QAM	12	0	16.63	16.70	16.59	17.7	0
5	256QAM	12	7	16.62	16.74	16.68		
5	256QAM	12	13	16.63	16.57	16.66		
5	256QAM	25	0	16.66	16.68	16.70		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	16.60	16.79	16.71	17.7	0
3	QPSK	1	8	16.59	16.70	16.68		
3	QPSK	1	14	16.61	16.71	16.59		
3	QPSK	8	0	16.67	16.71	16.63	17.7	0
3	QPSK	8	4	16.63	16.62	16.61		
3	QPSK	8	7	16.58	16.75	16.59		
3	QPSK	15	0	16.67	16.70	16.63		
3	16QAM	1	0	16.54	16.68	16.69	17.7	0
3	16QAM	1	8	16.64	16.65	16.67		
3	16QAM	1	14	16.67	16.55	16.66		
3	16QAM	8	0	16.68	16.64	16.61	17.7	0
3	16QAM	8	4	16.71	16.72	16.64		
3	16QAM	8	7	16.70	16.70	16.69		
3	16QAM	15	0	16.66	16.64	16.66		
3	64QAM	1	0	16.73	16.67	16.64	17.7	0
3	64QAM	1	8	16.72	16.67	16.63		
3	64QAM	1	14	16.60	16.57	16.55		
3	64QAM	8	0	16.66	16.73	16.60	17.7	0
3	64QAM	8	4	16.54	16.67	16.66		
3	64QAM	8	7	16.53	16.63	16.59		
3	64QAM	15	0	16.62	16.65	16.62		
3	256QAM	1	0	16.56	16.69	16.55	17.7	0
3	256QAM	1	8	16.69	16.64	16.60		
3	256QAM	1	14	16.67	16.63	16.63		
3	256QAM	8	0	16.61	16.64	16.59	17.7	0
3	256QAM	8	4	16.61	16.66	16.69		
3	256QAM	8	7	16.64	16.57	16.64		
3	256QAM	15	0	16.59	16.73	16.59		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	16.63	16.79	16.67	17.7	0
1.4	QPSK	1	3	16.63	16.65	16.68		
1.4	QPSK	1	5	16.64	16.67	16.60		
1.4	QPSK	3	0	16.70	16.66	16.70		
1.4	QPSK	3	1	16.66	16.57	16.61		
1.4	QPSK	3	3	16.59	16.71	16.67		
1.4	QPSK	6	0	16.65	16.74	16.64	17.7	0
1.4	16QAM	1	0	16.64	16.72	16.70	17.7	0
1.4	16QAM	1	3	16.63	16.67	16.65		
1.4	16QAM	1	5	16.64	16.60	16.55		
1.4	16QAM	3	0	16.68	16.65	16.56		
1.4	16QAM	3	1	16.70	16.72	16.66		
1.4	16QAM	3	3	16.73	16.65	16.60		
1.4	16QAM	6	0	16.55	16.58	16.60	17.7	0
1.4	64QAM	1	0	16.72	16.76	16.63	17.7	0
1.4	64QAM	1	3	16.63	16.71	16.64		
1.4	64QAM	1	5	16.72	16.60	16.64		
1.4	64QAM	3	0	16.69	16.71	16.68		
1.4	64QAM	3	1	16.63	16.58	16.63		
1.4	64QAM	3	3	16.57	16.61	16.56		
1.4	64QAM	6	0	16.73	16.60	16.67	17.7	0
1.4	256QAM	1	0	16.62	16.66	16.58	17.7	0
1.4	256QAM	1	3	16.68	16.63	16.61		
1.4	256QAM	1	5	16.71	16.70	16.67		
1.4	256QAM	3	0	16.58	16.67	16.65		
1.4	256QAM	3	1	16.57	16.65	16.65		
1.4	256QAM	3	3	16.58	16.67	16.61		
1.4	256QAM	6	0	16.62	16.69	16.60	17.7	0

Band 7 Ant5 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	14.31	14.45	14.24	15.3	0
20	QPSK	1	49	14.27	14.29	14.29		
20	QPSK	1	99	14.25	14.32	14.22		
20	QPSK	50	0	14.30	14.39	14.29	15.3	0
20	QPSK	50	24	14.32	14.30	14.24		
20	QPSK	50	50	14.37	14.37	14.32		
20	QPSK	100	0	14.33	14.38	14.23		
20	16QAM	1	0	14.28	14.37	14.29	15.3	0
20	16QAM	1	49	14.26	14.27	14.33		
20	16QAM	1	99	14.29	14.27	14.25		
20	16QAM	50	0	14.31	14.29	14.29	15.3	0
20	16QAM	50	24	14.29	14.30	14.32		
20	16QAM	50	50	14.35	14.30	14.25		
20	16QAM	100	0	14.28	14.31	14.30		
20	64QAM	1	0	14.35	14.28	14.23	15.3	0
20	64QAM	1	49	14.27	14.32	14.31		
20	64QAM	1	99	14.26	14.34	14.27		
20	64QAM	50	0	14.31	14.30	14.22	15.3	0
20	64QAM	50	24	14.36	14.34	14.31		
20	64QAM	50	50	14.29	14.35	14.24		
20	64QAM	100	0	14.31	14.28	14.34		
20	256QAM	1	0	14.30	14.34	14.30	15.3	0
20	256QAM	1	49	14.31	14.31	14.32		
20	256QAM	1	99	14.27	14.30	14.30		
20	256QAM	50	0	14.32	14.32	14.23	15.3	0
20	256QAM	50	24	14.27	14.35	14.24		
20	256QAM	50	50	14.27	14.34	14.31		
20	256QAM	100	0	14.33	14.36	14.29		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	14.24	14.26	14.09	15.3	0
15	QPSK	1	37	14.20	14.24	14.21		
15	QPSK	1	74	14.13	14.28	14.16		
15	QPSK	36	0	14.24	14.14	14.17	15.3	0
15	QPSK	36	20	14.27	14.26	14.11		
15	QPSK	36	39	14.31	14.31	14.23		
15	QPSK	75	0	14.24	14.24	14.11		
15	16QAM	1	0	14.13	14.30	14.17	15.3	0
15	16QAM	1	37	14.17	14.17	14.22		
15	16QAM	1	74	14.19	14.12	14.14		
15	16QAM	36	0	14.18	14.20	14.14	15.3	0
15	16QAM	36	20	14.21	14.15	14.22		
15	16QAM	36	39	14.25	14.17	14.13		
15	16QAM	75	0	14.20	14.24	14.23		
15	64QAM	1	0	14.28	14.16	14.15	15.3	0
15	64QAM	1	37	14.17	14.28	14.18		
15	64QAM	1	74	14.19	14.22	14.18		
15	64QAM	36	0	14.21	14.23	14.13	15.3	0
15	64QAM	36	20	14.28	14.19	14.15		
15	64QAM	36	39	14.24	14.24	14.17		
15	64QAM	75	0	14.17	14.21	14.21		
15	256QAM	1	0	14.23	14.19	14.25	15.3	0
15	256QAM	1	37	14.15	14.23	14.24		
15	256QAM	1	74	14.21	14.15	14.25		
15	256QAM	36	0	14.22	14.16	14.16	15.3	0
15	256QAM	36	20	14.22	14.29	14.17		
15	256QAM	36	39	14.15	14.28	14.25		
15	256QAM	75	0	14.20	14.30	14.23		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	14.16	14.32	14.09	15.3	0
10	QPSK	1	25	14.17	14.23	14.17		
10	QPSK	1	49	14.16	14.23	14.09		
10	QPSK	25	0	14.16	14.20	14.17	15.3	0
10	QPSK	25	12	14.19	14.17	14.10		
10	QPSK	25	25	14.31	14.28	14.25		
10	QPSK	50	0	14.19	14.26	14.10		
10	16QAM	1	0	14.12	14.32	14.15	15.3	0
10	16QAM	1	25	14.14	14.18	14.24		
10	16QAM	1	49	14.21	14.18	14.20		
10	16QAM	25	0	14.26	14.23	14.20	15.3	0
10	16QAM	25	12	14.18	14.21	14.16		
10	16QAM	25	25	14.26	14.14	14.13		
10	16QAM	50	0	14.18	14.19	14.19		
10	64QAM	1	0	14.30	14.17	14.11	15.3	0
10	64QAM	1	25	14.17	14.22	14.26		
10	64QAM	1	49	14.12	14.23	14.19		
10	64QAM	25	0	14.22	14.19	14.08	15.3	0
10	64QAM	25	12	14.24	14.18	14.16		
10	64QAM	25	25	14.15	14.26	14.19		
10	64QAM	50	0	14.17	14.17	14.28		
10	256QAM	1	0	14.22	14.22	14.24	15.3	0
10	256QAM	1	25	14.26	14.23	14.17		
10	256QAM	1	49	14.18	14.15	14.21		
10	256QAM	25	0	14.23	14.17	14.13	15.3	0
10	256QAM	25	12	14.12	14.27	14.19		
10	256QAM	25	25	14.23	14.24	14.23		
10	256QAM	50	0	14.17	14.23	14.20		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	14.26	14.27	14.09	15.3	0
5	QPSK	1	12	14.20	14.15	14.22		
5	QPSK	1	24	14.18	14.26	14.12		
5	QPSK	12	0	14.16	14.18	14.19	15.3	0
5	QPSK	12	7	14.16	14.19	14.14		
5	QPSK	12	13	14.32	14.27	14.19		
5	QPSK	25	0	14.26	14.33	14.14	15.3	0
5	16QAM	1	0	14.22	14.25	14.22		
5	16QAM	1	12	14.17	14.23	14.25		
5	16QAM	1	24	14.23	14.19	14.11		
5	16QAM	12	0	14.20	14.19	14.15	15.3	0
5	16QAM	12	7	14.20	14.24	14.17		
5	16QAM	12	13	14.27	14.15	14.19		
5	16QAM	25	0	14.22	14.24	14.23	15.3	0
5	64QAM	1	0	14.19	14.12	14.12		
5	64QAM	1	12	14.18	14.26	14.19		
5	64QAM	1	24	14.12	14.25	14.17		
5	64QAM	12	0	14.24	14.24	14.13	15.3	0
5	64QAM	12	7	14.25	14.23	14.24		
5	64QAM	12	13	14.15	14.28	14.17		
5	64QAM	25	0	14.16	14.20	14.21		
5	256QAM	1	0	14.23	14.22	14.22	15.3	0
5	256QAM	1	12	14.27	14.18	14.21		
5	256QAM	1	24	14.11	14.17	14.17		
5	256QAM	12	0	14.27	14.18	14.19	15.3	0
5	256QAM	12	7	14.15	14.25	14.20		
5	256QAM	12	13	14.22	14.22	14.27		
5	256QAM	25	0	14.21	14.32	14.16		

Band 38 Ant5 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	15.87	16.08	15.91	17	0
20	QPSK	1	49	15.91	15.93	15.89		
20	QPSK	1	99	15.90	16.01	15.85		
20	QPSK	50	0	15.94	15.96	15.86	17	0
20	QPSK	50	24	15.90	15.93	15.85		
20	QPSK	50	50	15.89	15.95	15.94		
20	QPSK	100	0	15.94	16.00	15.89		
20	16QAM	1	0	15.87	15.96	15.94	17	0
20	16QAM	1	49	15.85	16.04	15.93		
20	16QAM	1	99	15.97	16.03	15.84		
20	16QAM	50	0	15.91	16.03	15.90	17	0
20	16QAM	50	24	15.92	16.02	15.94		
20	16QAM	50	50	15.87	15.94	15.93		
20	16QAM	100	0	15.91	16.01	15.87		
20	64QAM	1	0	15.87	16.01	15.88	17	0
20	64QAM	1	49	15.94	15.95	15.91		
20	64QAM	1	99	15.97	16.03	15.85		
20	64QAM	50	0	15.85	15.97	15.90	17	0
20	64QAM	50	24	15.88	16.02	15.85		
20	64QAM	50	50	15.92	16.04	15.85		
20	64QAM	100	0	15.94	15.99	15.91		
20	256QAM	1	0	15.91	16.02	15.92	17	0
20	256QAM	1	49	15.92	16.02	15.86		
20	256QAM	1	99	15.97	15.97	15.92		
20	256QAM	50	0	15.88	16.01	15.87	17	0
20	256QAM	50	24	15.97	15.96	15.89		
20	256QAM	50	50	15.94	15.98	15.92		
20	256QAM	100	0	15.88	15.98	15.88		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	15.72	15.92	15.75	17	0
15	QPSK	1	37	15.80	15.84	15.73		
15	QPSK	1	74	15.78	15.86	15.78		
15	QPSK	36	0	15.79	15.80	15.80	17	0
15	QPSK	36	20	15.81	15.88	15.76		
15	QPSK	36	39	15.77	15.81	15.82		
15	QPSK	75	0	15.87	15.95	15.80		
15	16QAM	1	0	15.76	15.90	15.80	17	0
15	16QAM	1	37	15.72	15.95	15.81		
15	16QAM	1	74	15.84	15.93	15.77		
15	16QAM	36	0	15.81	15.94	15.85	17	0
15	16QAM	36	20	15.83	15.97	15.87		
15	16QAM	36	39	15.75	15.84	15.80		
15	16QAM	75	0	15.83	15.87	15.79		
15	64QAM	1	0	15.76	15.93	15.79	17	0
15	64QAM	1	37	15.89	15.84	15.76		
15	64QAM	1	74	15.88	15.99	15.80		
15	64QAM	36	0	15.71	15.87	15.80	17	0
15	64QAM	36	20	15.78	15.95	15.75		
15	64QAM	36	39	15.81	15.92	15.69		
15	64QAM	75	0	15.84	15.93	15.81		
15	256QAM	1	0	15.77	15.90	15.88	17	0
15	256QAM	1	37	15.83	15.94	15.81		
15	256QAM	1	74	15.86	15.89	15.88		
15	256QAM	36	0	15.80	15.91	15.75	17	0
15	256QAM	36	20	15.87	15.90	15.80		
15	256QAM	36	39	15.86	15.87	15.80		
15	256QAM	75	0	15.76	15.83	15.73		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	15.72	15.94	15.76	17	0
10	QPSK	1	25	15.80	15.88	15.79		
10	QPSK	1	49	15.79	15.92	15.72		
10	QPSK	25	0	15.78	15.82	15.71	17	0
10	QPSK	25	12	15.80	15.86	15.76		
10	QPSK	25	25	15.82	15.86	15.83		
10	QPSK	50	0	15.89	15.84	15.78		
10	16QAM	1	0	15.81	15.90	15.83	17	0
10	16QAM	1	25	15.79	15.94	15.80		
10	16QAM	1	49	15.92	15.91	15.71		
10	16QAM	25	0	15.80	15.91	15.78	17	0
10	16QAM	25	12	15.79	15.88	15.81		
10	16QAM	25	25	15.77	15.82	15.88		
10	16QAM	50	0	15.78	15.97	15.78		
10	64QAM	1	0	15.83	15.86	15.82	17	0
10	64QAM	1	25	15.89	15.89	15.81		
10	64QAM	1	49	15.90	15.98	15.73		
10	64QAM	25	0	15.71	15.88	15.74	17	0
10	64QAM	25	12	15.82	15.96	15.76		
10	64QAM	25	25	15.85	15.94	15.71		
10	64QAM	50	0	15.87	15.93	15.78		
10	256QAM	1	0	15.80	15.88	15.78	17	0
10	256QAM	1	25	15.83	15.96	15.80		
10	256QAM	1	49	15.91	15.88	15.86		
10	256QAM	25	0	15.72	15.94	15.83	17	0
10	256QAM	25	12	15.84	15.82	15.81		
10	256QAM	25	25	15.80	15.88	15.76		
10	256QAM	50	0	15.76	15.88	15.73		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	15.77	15.86	15.79	17	0
5	QPSK	1	12	15.84	15.85	15.76		
5	QPSK	1	24	15.86	15.86	15.70		
5	QPSK	12	0	15.81	15.86	15.73	17	0
5	QPSK	12	7	15.84	15.87	15.77		
5	QPSK	12	13	15.85	15.83	15.85		
5	QPSK	25	0	15.87	15.94	15.85		
5	16QAM	1	0	15.79	15.83	15.85	17	0
5	16QAM	1	12	15.75	15.96	15.84		
5	16QAM	1	24	15.87	15.90	15.78		
5	16QAM	12	0	15.84	15.98	15.78	17	0
5	16QAM	12	7	15.79	15.91	15.84		
5	16QAM	12	13	15.82	15.82	15.87		
5	16QAM	25	0	15.81	15.92	15.79		
5	64QAM	1	0	15.72	15.88	15.83	17	0
5	64QAM	1	12	15.87	15.89	15.82		
5	64QAM	1	24	15.87	15.93	15.76		
5	64QAM	12	0	15.70	15.85	15.82	17	0
5	64QAM	12	7	15.74	15.96	15.75		
5	64QAM	12	13	15.77	15.96	15.71		
5	64QAM	25	0	15.87	15.91	15.86		
5	256QAM	1	0	15.82	15.95	15.87	17	0
5	256QAM	1	12	15.80	15.92	15.72		
5	256QAM	1	24	15.82	15.85	15.85		
5	256QAM	12	0	15.82	15.86	15.76	17	0
5	256QAM	12	7	15.83	15.91	15.80		
5	256QAM	12	13	15.79	15.87	15.82		
5	256QAM	25	0	15.81	15.88	15.80		

Band 41 Ant5 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	14.40	14.40	14.51	14.37	14.46	15.5	0
20	QPSK	1	49	14.38	14.32	14.43	14.38	14.41		
20	QPSK	1	99	14.34	14.42	14.44	14.41	14.41		
20	QPSK	50	0	14.44	14.37	14.50	14.40	14.39		
20	QPSK	50	24	14.37	14.36	14.47	14.32	14.47		
20	QPSK	50	50	14.37	14.37	14.39	14.39	14.39		
20	QPSK	100	0	14.38	14.38	14.45	14.32	14.37		
20	16QAM	1	0	14.38	14.34	14.44	14.31	14.42	15.5	0
20	16QAM	1	49	14.39	14.40	14.38	14.40	14.41		
20	16QAM	1	99	14.42	14.31	14.38	14.34	14.39		
20	16QAM	50	0	14.36	14.37	14.36	14.35	14.36	15.5	0
20	16QAM	50	24	14.42	14.35	14.46	14.33	14.36		
20	16QAM	50	50	14.44	14.35	14.41	14.32	14.40		
20	16QAM	100	0	14.46	14.32	14.48	14.37	14.38		
20	64QAM	1	0	14.42	14.31	14.44	14.42	14.41	15.5	0
20	64QAM	1	49	14.41	14.35	14.36	14.35	14.41		
20	64QAM	1	99	14.40	14.42	14.37	14.30	14.46		
20	64QAM	50	0	14.46	14.42	14.47	14.34	14.40		
20	64QAM	50	24	14.42	14.39	14.36	14.41	14.36		
20	64QAM	50	50	14.40	14.38	14.47	14.34	14.42		
20	64QAM	100	0	14.39	14.41	14.40	14.39	14.44		
20	256QAM	1	0	14.34	14.40	14.41	14.38	14.35	15.5	0
20	256QAM	1	49	14.45	14.37	14.46	14.38	14.45		
20	256QAM	1	99	14.44	14.35	14.47	14.37	14.36		
20	256QAM	50	0	14.40	14.35	14.42	14.42	14.44	15.5	0
20	256QAM	50	24	14.46	14.32	14.36	14.41	14.37		
20	256QAM	50	50	14.42	14.35	14.39	14.31	14.44		
20	256QAM	100	0	14.41	14.36	14.44	14.37	14.44		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	14.24	14.35	14.32	14.30	14.37	16	0
15	QPSK	1	37	14.32	14.21	14.36	14.30	14.25		
15	QPSK	1	74	14.22	14.38	14.39	14.35	14.30		
15	QPSK	36	0	14.37	14.26	14.30	14.25	14.26	15.5	0
15	QPSK	36	20	14.21	14.24	14.33	14.28	14.29		
15	QPSK	36	39	14.29	14.25	14.34	14.27	14.33		
15	QPSK	75	0	14.28	14.33	14.34	14.27	14.25		
15	16QAM	1	0	14.29	14.29	14.35	14.23	14.29	15.5	0
15	16QAM	1	37	14.32	14.35	14.25	14.26	14.37		
15	16QAM	1	74	14.31	14.20	14.22	14.26	14.24		
15	16QAM	36	0	14.24	14.29	14.24	14.26	14.21	15.5	0
15	16QAM	36	20	14.35	14.23	14.41	14.21	14.23		
15	16QAM	36	39	14.38	14.21	14.35	14.28	14.32		
15	16QAM	75	0	14.37	14.25	14.41	14.24	14.30		
15	64QAM	1	0	14.31	14.17	14.40	14.36	14.30	15.5	0
15	64QAM	1	37	14.26	14.26	14.21	14.23	14.32		
15	64QAM	1	74	14.27	14.27	14.29	14.16	14.36		
15	64QAM	36	0	14.38	14.34	14.41	14.20	14.34	15.5	0
15	64QAM	36	20	14.35	14.32	14.25	14.34	14.22		
15	64QAM	36	39	14.35	14.27	14.36	14.22	14.31		
15	64QAM	75	0	14.34	14.25	14.26	14.29	14.31		
15	256QAM	1	0	14.25	14.28	14.34	14.32	14.31	15.5	0
15	256QAM	1	37	14.35	14.27	14.35	14.30	14.40		
15	256QAM	1	74	14.33	14.20	14.41	14.32	14.25		
15	256QAM	36	0	14.36	14.23	14.29	14.32	14.30	15.5	0
15	256QAM	36	20	14.40	14.18	14.22	14.30	14.24		
15	256QAM	36	39	14.33	14.19	14.26	14.18	14.31		
15	256QAM	75	0	14.29	14.30	14.33	14.31	14.35		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	14.30	14.26	14.28	14.27	14.36	16	0
10	QPSK	1	25	14.28	14.23	14.32	14.27	14.28		
10	QPSK	1	49	14.22	14.38	14.32	14.36	14.36		
10	QPSK	25	0	14.30	14.28	14.35	14.28	14.25	15.5	0
10	QPSK	25	12	14.26	14.20	14.34	14.27	14.30		
10	QPSK	25	25	14.26	14.24	14.25	14.29	14.25		
10	QPSK	50	0	14.24	14.31	14.40	14.21	14.25		
10	16QAM	1	0	14.40	14.19	14.35	14.20	14.33	15.5	0
10	16QAM	1	25	14.23	14.36	14.25	14.26	14.27		
10	16QAM	1	49	14.27	14.22	14.25	14.23	14.31		
10	16QAM	25	0	14.26	14.24	14.21	14.19	14.28	15.5	0
10	16QAM	25	12	14.30	14.28	14.31	14.28	14.21		
10	16QAM	25	25	14.29	14.25	14.37	14.20	14.25		
10	16QAM	50	0	14.33	14.20	14.43	14.32	14.25		
10	64QAM	1	0	14.26	14.24	14.39	14.37	14.35	15.5	0
10	64QAM	1	25	14.28	14.28	14.32	14.30	14.25		
10	64QAM	1	49	14.24	14.27	14.23	14.23	14.42		
10	64QAM	25	0	14.34	14.26	14.36	14.24	14.27	15.5	0
10	64QAM	25	12	14.36	14.26	14.23	14.29	14.22		
10	64QAM	25	25	14.35	14.27	14.39	14.20	14.30		
10	64QAM	50	0	14.28	14.28	14.31	14.26	14.34		
10	256QAM	1	0	14.23	14.31	14.37	14.26	14.29	15.5	0
10	256QAM	1	25	14.36	14.27	14.34	14.30	14.36		
10	256QAM	1	49	14.28	14.26	14.32	14.31	14.29		
10	256QAM	25	0	14.25	14.21	14.29	14.31	14.40	15.5	0
10	256QAM	25	12	14.36	14.23	14.25	14.27	14.33		
10	256QAM	25	25	14.30	14.29	14.28	14.25	14.38		
10	256QAM	50	0	14.34	14.26	14.31	14.27	14.36		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	14.26	14.33	14.35	14.31	14.38	16	0
5	QPSK	1	12	14.25	14.28	14.27	14.25	14.27		
5	QPSK	1	24	14.25	14.37	14.31	14.36	14.37		
5	QPSK	12	0	14.30	14.29	14.29	14.31	14.32	15.5	0
5	QPSK	12	7	14.25	14.31	14.37	14.16	14.28		
5	QPSK	12	13	14.24	14.26	14.26	14.28	14.35		
5	QPSK	25	0	14.31	14.30	14.34	14.22	14.30		
5	16QAM	1	0	14.29	14.25	14.35	14.25	14.37	15.5	0
5	16QAM	1	12	14.35	14.32	14.32	14.24	14.27		
5	16QAM	1	24	14.33	14.23	14.28	14.22	14.26		
5	16QAM	12	0	14.31	14.24	14.23	14.30	14.23	15.5	0
5	16QAM	12	7	14.34	14.29	14.36	14.20	14.30		
5	16QAM	12	13	14.40	14.25	14.33	14.18	14.32		
5	16QAM	25	0	14.33	14.26	14.44	14.26	14.31	15.5	0
5	64QAM	1	0	14.34	14.21	14.33	14.37	14.30		
5	64QAM	1	12	14.28	14.26	14.23	14.25	14.25		
5	64QAM	1	24	14.25	14.30	14.21	14.15	14.36		
5	64QAM	12	0	14.34	14.33	14.34	14.25	14.33	15.5	0
5	64QAM	12	7	14.35	14.29	14.24	14.33	14.30		
5	64QAM	12	13	14.33	14.29	14.37	14.29	14.29		
5	64QAM	25	0	14.26	14.32	14.29	14.32	14.35		
5	256QAM	1	0	14.26	14.33	14.26	14.28	14.21	15.5	0
5	256QAM	1	12	14.37	14.32	14.39	14.24	14.40		
5	256QAM	1	24	14.37	14.29	14.41	14.32	14.28		
5	256QAM	12	0	14.24	14.20	14.37	14.31	14.33	15.5	0
5	256QAM	12	7	14.31	14.18	14.23	14.31	14.22		
5	256QAM	12	13	14.27	14.25	14.30	14.26	14.39		
5	256QAM	25	0	14.33	14.24	14.38	14.23	14.32		

Band 42 Ant5 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	15.98	16.11	16.02	17.4	0
20	QPSK	1	49	16.03	16.00	15.99		
20	QPSK	1	99	16.04	15.96	16.01		
20	QPSK	50	0	16.01	16.08	15.96	17.4	0
20	QPSK	50	24	16.05	15.96	15.98		
20	QPSK	50	50	15.96	15.97	15.98		
20	QPSK	100	0	15.95	16.03	16.01		
20	16QAM	1	0	16.05	16.01	16.00	17.4	0
20	16QAM	1	49	16.05	16.01	16.04		
20	16QAM	1	99	16.04	15.98	15.99		
20	16QAM	50	0	15.95	16.02	15.96	17.4	0
20	16QAM	50	24	16.02	15.96	16.05		
20	16QAM	50	50	15.97	15.97	16.00		
20	16QAM	100	0	16.03	15.97	15.94		
20	64QAM	1	0	16.04	15.99	16.04	17.4	0
20	64QAM	1	49	15.96	16.03	16.01		
20	64QAM	1	99	16.05	15.95	15.97		
20	64QAM	50	0	16.00	16.01	16.03	17.4	0
20	64QAM	50	24	16.00	16.01	15.93		
20	64QAM	50	50	16.02	15.98	15.97		
20	64QAM	100	0	15.98	15.98	15.95		
20	256QAM	1	0	16.02	15.98	15.96	17.4	0
20	256QAM	1	49	16.00	15.96	15.99		
20	256QAM	1	99	16.01	16.04	15.98		
20	256QAM	50	0	16.01	16.02	16.04	17.4	0
20	256QAM	50	24	15.99	16.00	16.01		
20	256QAM	50	50	15.98	15.98	15.96		
20	256QAM	100	0	15.97	15.98	16.04		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	15.82	15.94	15.87	17.4	0
15	QPSK	1	37	15.98	15.92	15.91		
15	QPSK	1	74	15.94	15.90	15.91		
15	QPSK	36	0	15.93	15.91	15.91	17.4	0
15	QPSK	36	20	15.90	15.98	15.90		
15	QPSK	36	39	15.82	15.92	15.82		
15	QPSK	75	0	15.85	15.92	15.95		
15	16QAM	1	0	15.97	15.96	15.93	17.4	0
15	16QAM	1	37	15.94	15.95	15.94		
15	16QAM	1	74	15.95	15.83	15.88		
15	16QAM	36	0	15.83	15.96	15.85	17.4	0
15	16QAM	36	20	15.93	15.82	15.90		
15	16QAM	36	39	15.83	15.85	15.92		
15	16QAM	75	0	15.99	15.93	15.80		
15	64QAM	1	0	15.92	15.91	15.89	17.4	0
15	64QAM	1	37	15.89	15.95	15.97		
15	64QAM	1	74	15.98	15.91	15.92		
15	64QAM	36	0	15.89	15.90	15.93	17.4	0
15	64QAM	36	20	15.93	15.94	15.88		
15	64QAM	36	39	15.96	15.96	15.86		
15	64QAM	75	0	15.87	15.83	15.90		
15	256QAM	1	0	15.87	15.88	15.87	17.4	0
15	256QAM	1	37	15.87	15.83	15.90		
15	256QAM	1	74	15.91	15.99	15.90		
15	256QAM	36	0	15.96	15.87	15.90	17.4	0
15	256QAM	36	20	15.90	15.90	15.97		
15	256QAM	36	39	15.92	15.94	15.88		
15	256QAM	75	0	15.82	15.89	15.96		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	15.94	15.89	15.93	17.4	0
10	QPSK	1	25	15.91	15.86	15.94		
10	QPSK	1	49	15.97	15.89	15.94		
10	QPSK	25	0	15.97	15.84	15.81	17.4	0
10	QPSK	25	12	15.90	15.99	15.93		
10	QPSK	25	25	15.82	15.87	15.84		
10	QPSK	50	0	15.88	15.84	15.91		
10	16QAM	1	0	15.94	15.95	15.89	17.4	0
10	16QAM	1	25	16.01	15.90	15.94		
10	16QAM	1	49	15.92	15.91	15.84		
10	16QAM	25	0	15.87	15.93	15.88	17.4	0
10	16QAM	25	12	15.92	15.90	15.89		
10	16QAM	25	25	15.81	15.85	15.86		
10	16QAM	50	0	15.92	15.81	15.83		
10	64QAM	1	0	15.98	15.89	15.90	17.4	0
10	64QAM	1	25	15.84	15.96	15.96		
10	64QAM	1	49	15.95	15.89	15.86		
10	64QAM	25	0	15.87	15.87	15.94	17.4	0
10	64QAM	25	12	15.87	15.91	15.88		
10	64QAM	25	25	16.00	15.94	15.86		
10	64QAM	50	0	15.93	15.86	15.91		
10	256QAM	1	0	15.97	15.83	15.91	17.4	0
10	256QAM	1	25	15.86	15.88	15.88		
10	256QAM	1	49	15.95	16.00	15.88		
10	256QAM	25	0	15.94	15.89	15.90	17.4	0
10	256QAM	25	12	15.90	15.84	15.93		
10	256QAM	25	25	15.88	15.90	15.85		
10	256QAM	50	0	15.91	15.83	15.99		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	15.83	15.88	15.90	17.4	0
5	QPSK	1	12	15.89	15.88	15.91		
5	QPSK	1	24	15.91	15.88	15.91		
5	QPSK	12	0	15.89	15.89	15.85	17.4	0
5	QPSK	12	7	15.97	15.93	15.89		
5	QPSK	12	13	15.88	15.92	15.82		
5	QPSK	25	0	15.88	15.92	15.86		
5	16QAM	1	0	15.96	15.90	15.86	17.4	0
5	16

Band 4 Ant4 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	16.92	17.15	16.93		
20	QPSK	1	49	16.90	17.05	16.97	18.6	0
20	QPSK	1	99	16.94	17.01	16.97		
20	QPSK	50	0	16.99	17.13	16.95		
20	QPSK	50	24	16.98	17.09	16.93	18.6	0
20	QPSK	50	50	16.96	17.04	16.95		
20	QPSK	100	0	16.99	17.12	17.01		
20	16QAM	1	0	16.98	17.10	17.00		
20	16QAM	1	49	16.96	17.10	16.93	18.6	0
20	16QAM	1	99	16.90	17.00	16.96		
20	16QAM	50	0	17.00	17.07	16.98		
20	16QAM	50	24	16.98	17.05	17.00	18.6	0
20	16QAM	50	50	16.97	17.05	17.01		
20	16QAM	100	0	16.94	17.09	16.96		
20	64QAM	1	0	16.98	17.04	17.01		
20	64QAM	1	49	17.01	17.10	16.98	18.6	0
20	64QAM	1	99	16.96	17.02	16.98		
20	64QAM	50	0	16.93	17.02	16.94		
20	64QAM	50	24	16.94	17.03	16.93	18.6	0
20	64QAM	50	50	16.99	17.06	16.96		
20	64QAM	100	0	16.99	16.99	17.04		
20	256QAM	1	0	16.98	17.07	17.01		
20	256QAM	1	49	17.00	17.06	16.92	18.6	0
20	256QAM	1	99	16.99	17.00	16.95		
20	256QAM	50	0	16.97	17.05	17.00		
20	256QAM	50	24	16.90	17.08	17.00	18.6	0
20	256QAM	50	50	16.99	17.03	16.97		
20	256QAM	100	0	17.00	17.06	16.99		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	16.86	16.97	16.86		
15	QPSK	1	37	16.80	16.95	16.93	18.6	0
15	QPSK	1	74	16.82	16.92	16.87		
15	QPSK	36	0	16.83	16.89	16.86		
15	QPSK	36	20	16.91	16.96	16.89	18.6	0
15	QPSK	36	39	16.89	16.92	16.83		
15	QPSK	75	0	16.85	16.91	16.95		
15	16QAM	1	0	16.90	17.05	16.93		
15	16QAM	1	37	16.88	17.04	16.86	18.6	0
15	16QAM	1	74	16.78	16.85	16.84		
15	16QAM	36	0	16.88	16.93	16.84		
15	16QAM	36	20	16.90	16.94	16.96	18.6	0
15	16QAM	36	39	16.92	16.93	16.85		
15	16QAM	75	0	16.84	16.93	16.91		
15	64QAM	1	0	16.84	16.97	16.90		
15	64QAM	1	37	16.90	17.03	16.82	18.6	0
15	64QAM	1	74	16.88	16.88	16.83		
15	64QAM	36	0	16.80	16.97	16.80		
15	64QAM	36	20	16.89	16.95	16.87	18.6	0
15	64QAM	36	39	16.93	16.97	16.89		
15	64QAM	75	0	16.92	16.86	16.98		
15	256QAM	1	0	16.92	17.01	16.87		
15	256QAM	1	37	16.90	16.94	16.79	18.6	0
15	256QAM	1	74	16.89	16.86	16.85		
15	256QAM	36	0	16.91	16.91	16.94		
15	256QAM	36	20	16.83	16.98	16.85	18.6	0
15	256QAM	36	39	16.86	16.94	16.80		
15	256QAM	75	0	16.95	16.94	16.92		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	16.86	16.92	16.79		
10	QPSK	1	25	16.75	16.90	16.82	18.6	0
10	QPSK	1	49	16.85	16.86	16.84		
10	QPSK	25	0	16.91	16.89	16.89		
10	QPSK	25	12	16.92	17.04	16.82	18.6	0
10	QPSK	25	25	16.90	16.90	16.84		
10	QPSK	50	0	16.89	16.91	16.92		
10	16QAM	1	0	16.85	17.02	16.95		
10	16QAM	1	25	16.89	16.96	16.78	18.6	0
10	16QAM	1	49	16.77	16.85	16.85		
10	16QAM	25	0	16.94	16.99	16.88		
10	16QAM	25	12	16.82	16.97	16.89	18.6	0
10	16QAM	25	25	16.85	17.01	16.87		
10	16QAM	50	0	16.79	17.03	16.81		
10	64QAM	1	0	16.92	16.97	16.88		
10	64QAM	1	25	16.96	17.05	16.86	18.6	0
10	64QAM	1	49	16.83	16.96	16.82		
10	64QAM	25	0	16.84	16.86	16.82		
10	64QAM	25	12	16.90	17.03	16.79	18.6	0
10	64QAM	25	25	16.83	17.00	16.83		
10	64QAM	50	0	16.87	16.90	16.96		
10	256QAM	1	0	16.90	16.93	16.88		
10	256QAM	1	25	16.94	16.93	16.79	18.6	0
10	256QAM	1	49	16.95	16.95	16.80		
10	256QAM	25	0	16.89	16.98	16.95		
10	256QAM	25	12	16.85	16.97	16.94	18.6	0
10	256QAM	25	25	16.94	16.92	16.79		
10	256QAM	50	0	16.92	16.91	16.85		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	16.83	16.93	16.81		
5	QPSK	1	12	16.79	17.01	16.90	18.6	0
5	QPSK	1	24	16.89	16.94	16.87		
5	QPSK	12	0	16.84	16.85	16.79		
5	QPSK	12	7	16.87	16.98	16.80	18.6	0
5	QPSK	12	13	16.88	16.93	16.83		
5	QPSK	25	0	16.87	16.91	16.85		
5	16QAM	1	0	16.88	16.97	16.91		
5	16QAM	1	12	16.89	17.07	16.83	18.6	0
5	16QAM	1	24	16.84	16.94	16.91		
5	16QAM	12	0	16.85	16.92	16.82		
5	16QAM	12	7	16.86	16.92	16.87	18.6	0
5	16QAM	12	13	16.85	16.91	16.88		
5	16QAM	25	0	16.81	16.95	16.81		
5	64QAM	1	0	16.83	16.90	16.92		
5	64QAM	1	12	16.94	17.05	16.92	18.6	0
5	64QAM	1	24	16.89	16.96	16.93		
5	64QAM	12	0	16.81	16.92	16.86		
5	64QAM	12	7	16.86	17.01	16.85	18.6	0
5	64QAM	12	13	16.88	17.02	16.87		
5	64QAM	25	0	16.94	16.84	16.91		
5	256QAM	1	0	16.93	16.91	16.88		
5	256QAM	1	12	16.95	16.92	16.83	18.6	0
5	256QAM	1	24	16.85	16.89	16.87		
5	256QAM	12	0	16.86	16.98	16.86		
5	256QAM	12	7	16.84	17.01	16.90	18.6	0
5	256QAM	12	13	16.87	16.96	16.88		
5	256QAM	25	0	16.91	16.95	16.91		
Channel				19925	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	16.80	16.95	16.81		
3	QPSK	1	8	16.75	17.01	16.90	18.6	0
3	QPSK	1	14	16.86	16.87	16.91		
3	QPSK	8	0	16.86	16.94	16.86		
3	QPSK	8	4	16.85	17.03	16.82	18.6	0
3	QPSK	8	7	16.80	16.99	16.83		
3	QPSK	15	0	16.90	16.86	16.97		
3	16QAM	1	0	16.84	17.02	16.84		
3	16QAM	1	8	16.89	16.98	16.90	18.6	0
3	16QAM	1	14	16.83	16.93	16.91		
3	16QAM	8	0	16.90	16.96	16.93		
3	16QAM	8	4	16.88	16.98	16.87	18.6	0
3	16QAM	8	7	16.85	16.95	16.97		
3	16QAM	15	0	16.83	17.02	16.89		
3	64QAM	1	0	16.83	16.90	16.86		
3	64QAM	1	8	16.90	16.99	16.91	18.6	0
3	64QAM	1	14	16.88	16.90	16.89		
3	64QAM	8	0	16.79	16.89	16.88		
3	64QAM	8	4	16.82	17.04	16.78	18.6	0
3	64QAM	8	7	16.87	16.98	16.88		
3	64QAM	15	0	16.84	16.87	16.89		
3	256QAM	1	0	16.88	16.94	16.87		
3	256QAM	1	8	16.89	16.96	16.83	18.6	0
3	256QAM	1	14	16.93	16.85	16.87		
3	256QAM	8	0	16.82	16.91	16.94		
3	256QAM	8	4	16.85	16.96	16.89	18.6	0
3	256QAM	8	7	16.95	16.93	16.85		
3	256QAM	15	0	16.90	16.95	16.85		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	16.86	16.95	16.86		
1.4	QPSK	1	3	16.81	16.93	16.87		
1.4	QPSK	1	5	16.82	16.89	16.90	18.6	0
1.4	QPSK	3	0	16.88	16.86	16.87		
1.4	QPSK	3	1	16.87	16.99	16.88		
1.4	QPSK	3	3	16.87	16.92	16.80		
1.4	QPSK	6	0	16.86	16.93	16.96	18.6	0
1.4	16QAM	1	0	16.88	17.05	16.91		
1.4	16QAM	1	3	16.84	16.99	16.88		
1.4	16QAM	1	5	16.76	16.85	16.89	18.6	0
1.4	16QAM	3	0	16.94	16.94	16.88		
1.4	16QAM	3	1	16.86	16.92	16.86		
1.4	16QAM	3	3	16.83	16.96	16.90		
1.4	16QAM	6	0	16.78	16.96	16.83	18.6	0
1.4	64QAM	1	0	16.90	16.98	16.86		
1.4	64QAM	1	3	16.94	17.02	16.87		
1.4	64QAM	1	5	16.88	16.90	16.91	18.6	0
1.4	64QAM	3	0	16.88	16.86	16.79		
1.4	64QAM	3	1	16.90	16.98	16.79		
1.4	64QAM	3	3	16.90	16.97	16.89		
1.4	64QAM	6	0	16.85	16.93	16.91	18.6	0
1.4	256QAM	1	0	16.83	16.92	16.86		
1.4	256QAM	1	3	16.91	16.99	16.86		
1.4	256QAM	1	5	16.91	16.85	16.87	18.6	0
1.4	256QAM	3	0	16.87	16.95	16.87		
1.4	256QAM	3	1	16.84	17.03	16.90		
1.4	256QAM	3	3	16.90	16.98	16.81		
1.4	256QAM	6	0	16.87	16.92	16.91	18.6	0

Band 7 Ant4 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	16.53	16.68	16.66		
20	QPSK	1	49	16.52	16.58	16.64	18	0
20	QPSK	1	99	16.51	16.60	16.59		
20	QPSK	50	0	16.59	16.67	16.60		
20	QPSK	50	24	16.54	16.61	16.57	18	0
20	QPSK	50	50	16.60	16.60	16.62		
20	QPSK	100	0	16.56	16.65	16.63		
20	16QAM	1	0	16.58	16.56	16.58		
20	16QAM	1	49	16.55	16.57	16.58	18	0
20	16QAM	1	99	16.54	16.65	16.62		
20	16QAM	50	0	16.49	16.58	16.61		
20	16QAM	50	24	16.59	16.64	16.66	18	0
20	16QAM	50	50	16.50	16.60	16.66		
20	16QAM	100	0	16.57	16.63	16.60		
20	64QAM	1	0	16.52	16.63	16.57		
20	64QAM	1	49	16.57	16.60	16.67	18	0
20	64QAM	1	99	16.55	16.58	16.56		
20	64QAM	50	0	16.48	16.65	16.59		
20	64QAM	50	24	16.54	16.64	16.58	18	0
20	64QAM	50	50	16.52	16.60	16.58		
20	64QAM	100	0	16.58	16.66	16.65		
20	256QAM	1	0	16.56	16.63	16.58		
20	256QAM	1	49	16.57	16.61	16.61	18	0
20	256QAM	1	99	16.53	16.60	16.55		
20	256QAM	50	0	16.58	16.62	16.66		
20	256QAM	50	24	16.57	16.63	16.66	18	0
20	256QAM	50	50	16.56	16.63	16.60		
20	256QAM	100	0	16.49	16.56	16.56		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	16.46	16.52	16.59		
15	QPSK	1	37	16.45	16.46	16.54	18	0
15	QPSK	1	74	16.43	16.47	16.51		
15	QPSK	36	0	16.44	16.47	16.44		
15	QPSK	36	20	16.49	16.47	16.46	18	0
15	QPSK	36	39	16.47	16.52	16.57		
15	QPSK	75	0	16.52	16.63	16.47		
15	16QAM	1	0	16.49	16.42	16.52		
15	16QAM	1	37	16.44	16.53	16.47	18	0
15	16QAM	1	74	16.46	16.56	16.47		
15	16QAM	36	0	16.37	16.53	16.46		
15	16QAM	36	20	16.51	16.54	16.60	18	0
15	16QAM	36	39	16.35	16.56	16.52		
15	16QAM	75	0	16.49	16.50	16.56		
15	64QAM	1	0	16.38	16.55	16.44		
15	64QAM	1	37	16.50	16.54	16.56	18	0
15	64QAM	1	74	16.49	16.51	16.43		
15	64QAM	36	0	16.33	16.60	16.47		
15	64QAM	36	20	16.41	16.49	16.52	18	0
15	64QAM	36	39	16.48	16.46	16.49		
15	64QAM	75	0	16.44	16.59	16.52		
15	256QAM	1	0	16.46	16.48	16.50		
15	256QAM	1	37	16.52	16.57	16.47	18	0
15	256QAM	1	74	16.46	16.49	16.45		
15	256QAM	36	0	16.47	16.58	16.56		
15	256QAM	36	20	16.47	16.49	16.53	18	0
15	256QAM	36	39	16.44	16.52	16.49		
15	256QAM	75	0	16.43	16.49	16.49		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	16.49	16.44	16.56		
10	QPSK	1	25	16.44	16.46	16.56	18	0
10	QPSK	1	49	16.47	16.56	16.55		
10	QPSK	25	0	16.52	16.52	16.52		
10	QPSK	25	12	16.39	16.52	16.48	18	0
10	QPSK	25	25	16.47	16.49	16.52		
10	QPSK	50	0	16.41	16.55	16.55		
10	16QAM	1	0	16.47	16.49	16.53		
10	16QAM	1	25	16.42	16.48	16.43	18	0
10	16QAM	1	49	16.46	16.60	16.54		
10	16QAM	25	0	16.42	16.53	16.48		
10	16QAM	25	12	16.47	16.50	16.53	18	0
10	16QAM	25	25	16.43	16.59	16.54		
10	16QAM	50	0	16.50	16.53	16.55		
10	64QAM	1	0	16.36	16.50	16.45		
10	64QAM	1	25	16.50	16.53	16.53	18	0
10	64QAM	1	49	16.46	16.45	16.51		
10	64QAM	25	0	16.43	16.61	16.54		
10	64QAM	25	12	16.43	16.51	16.46	18	0
10	64QAM	25	25	16.45	16.50	16.43		
10	64QAM	50	0	16.53	16.50	16.59		
10	256QAM	1	0	16.52	16.50	16.42		
10	256QAM	1	25	16.48	16.53	16.50	18	0
10	256QAM	1	49	16.48	16.48	16.45		
10	256QAM	25	0	16.43	16.55	16.51		
10	256QAM	25	12	16.51	16.57	16.51	18	0
10	256QAM	25	25	16.44	16.49	16.56		
10	256QAM	50	0	16.38	16.44	16.42		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	16.39	16.55	16.55		
5	QPSK	1	12	16.38	16.42	16.57	18	0
5	QPSK	1	24	16.42	16.48	16.44		
5	QPSK	12	0	16.48	16.43	16.47		
5	QPSK	12	7	16.49	16.54	16.42	18	0
5	QPSK	12	13	16.52	16.52	16.53		
5	QPSK	25	0	16.42	16.54	16.56		
5	16QAM	1	0	16.49	16.50	16.49		
5	16QAM	1	12	16.49	16.46	16.51	18	0
5	16QAM	1	24	16.49	16.57	16.57		
5	16QAM	12	0	16.34	16.45	16.54		
5	16QAM	12	7	16.49	16.60	16.52	18	0
5	16QAM	12	13	16.49	16.58	16.58		
5	16QAM	25	0	16.50	16.59	16.51		
5	64QAM	1	0	16.37	16.58	16.47		
5	64QAM	1	12	16.48	16.49	16.54	18	0
5	64QAM	1	24	16.46	16.47	16.46		
5	64QAM	12	0	16.37	16.51	16.54		
5	64QAM	12	7	16.44	16.59	16.51	18	0
5	64QAM	12	13	16.48	16.47	16.48		
5	64QAM	25	0	16.49	16.58	16.54		
5	256QAM	1	0	16.47	16.54	16.52		
5	256QAM	1	12	16.51	16.50	16.55	18	0
5	256QAM	1	24	16.46	16.47	16.48		
5	256QAM	12	0	16.50	16.56	16.58		
5	256QAM	12	7	16.49	16.56	16.53	18	0
5	256QAM	12	13	16.51	16.51	16.54		
5	256QAM	25	0	16.43	16.45	16.48		

Band 66 Ant4 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	16.59	16.81	16.59		
20	QPSK	1	49	16.64	16.66	16.51	18.1	0
20	QPSK	1	99	16.60	16.74	16.60		
20	QPSK	50	0	16.62	16.79	16.51		
20	QPSK	50	24	16.62	16.76	16.51	18.1	0
20	QPSK	50	50	16.54	16.70	16.51		
20	QPSK	100	0	16.63	16.68	16.59		
20	16QAM	1	0	16.59	16.69	16.52		
20	16QAM	1	49	16.55	16.67	16.56	18.1	0
20	16QAM	1	99	16.58	16.77	16.56		
20	16QAM	50	0	16.64	16.76	16.56		
20	16QAM	50	24	16.59	16.74	16.56	18.1	0
20	16QAM	50	50	16.61	16.68	16.56		
20	16QAM	100	0	16.57	16.68	16.60		
20	64QAM	1	0	16.62	16.75	16.60		
20	64QAM	1	49	16.59	16.77	16.56	18.1	0
20	64QAM	1	99	16.60	16.73	16.58		
20	64QAM	50	0	16.64	16.75	16.59		
20	64QAM	50	24	16.59	16.66	16.56	18.1	0
20	64QAM	50	50	16.53	16.70	16.58		
20	64QAM	100	0	16.63	16.72	16.54		
20	256QAM	1	0	16.54	16.76	16.59		
20	256QAM	1	49	16.65	16.75	16.52	18.1	0
20	256QAM	1	99	16.57	16.68	16.52		
20	256QAM	50	0	16.65	16.65	16.58		
20	256QAM	50	24	16.56	16.76	16.58	18.1	0
20	256QAM	50	50	16.61	16.66	16.52		
20	256QAM	100	0	16.64	16.71	16.60		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	16.53	16.68	16.45		
15	QPSK	1	37	16.55	16.61	16.65	18.1	0
15	QPSK	1	74	16.47	16.62	16.44		
15	QPSK	36	0	16.55	16.65	16.36		
15	QPSK	36	20	16.47	16.60	16.43	18.1	0
15	QPSK	36	39	16.41	16.54	16.40		
15	QPSK	75	0	16.48	16.61	16.45		
15	16QAM	1	0	16.52	16.59	16.46		
15	16QAM	1	37	16.43	16.54	16.49	18.1	0
15	16QAM	1	74	16.50	16.56	16.40		
15	16QAM	36	0	16.54	16.67	16.41		
15	16QAM	36	20	16.48	16.65	16.46	18.1	0
15	16QAM	36	39	16.55	16.56	16.41		
15	16QAM	75	0	16.44	16.64	16.49		
15	64QAM	1	0	16.53	16.60	16.47		
15	64QAM	1	37	16.50	16.65	16.42	18.1	0
15	64QAM	1	74	16.54	16.63	16.50		
15	64QAM	36	0	16.49	16.63	16.44		
15	64QAM	36	20	16.43	16.59	16.48	18.1	0
15	64QAM	36	39	16.43	16.58	16.46		
15	64QAM	75	0	16.48	16.61	16.48		
15	256QAM	1	0	16.44	16.66	16.46		
15	256QAM	1	37	16.56	16.71	16.45	18.1	0
15	256QAM	1	74	16.53	16.53	16.43		
15	256QAM	36	0	16.51	16.57	16.48		
15	256QAM	36	20	16.46	16.61	16.46	18.1	0
15	256QAM	36	39	16.53	16.51	16.39		
15	256QAM	75	0	16.58	16.65	16.50		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	16.44	16.61	16.53		
10	QPSK	1	25	16.53	16.56	16.38	18.1	0
10	QPSK	1	49	16.48	16.60	16.56		
10	QPSK	25	0	16.55	16.57	16.41		
10	QPSK	25	12	16.49	16.60	16.44	18.1	0
10	QPSK	25	25	16.43	16.53	16.37		
10	QPSK	50	0	16.56	16.58	16.53		
10	16QAM	1	0	16.51	16.60	16.38		
10	16QAM	1	25	16.40	16.55	16.50	18.1	0
10	16QAM	1	49	16.50	16.71	16.51		
10	16QAM	25	0	16.52	16.60	16.44		
10	16QAM

Band 38 Ant4 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.10	20.21	20.10		
20	QPSK	1	49	20.03	20.18	20.07	21.6	0
20	QPSK	1	99	20.12	20.17	20.10		
20	QPSK	50	0	20.03	20.15	20.07		
20	QPSK	50	24	20.04	20.07	20.05	21.6	0
20	QPSK	50	50	20.11	20.14	20.01		
20	QPSK	100	0	20.04	20.08	20.07		
20	16QAM	1	0	20.08	20.12	19.99		
20	16QAM	1	49	20.06	20.18	20.00	21.6	0
20	16QAM	1	99	20.14	20.09	20.05		
20	16QAM	50	0	20.06	20.08	20.06		
20	16QAM	50	24	20.04	20.15	20.00	21.6	0
20	16QAM	50	50	20.12	20.11	20.01		
20	16QAM	100	0	20.12	20.12	20.05		
20	64QAM	1	0	20.12	20.07	20.05		
20	64QAM	1	49	20.08	20.12	20.06	21.6	0
20	64QAM	1	99	20.07	20.12	20.11		
20	64QAM	50	0	20.13	20.19	20.02		
20	64QAM	50	24	20.07	20.15	20.11	21.6	0
20	64QAM	50	50	20.12	20.16	20.07		
20	64QAM	100	0	20.07	20.14	20.08		
20	256QAM	1	0	19.06	19.07	19.00		
20	256QAM	1	49	19.10	19.12	19.00	19.6	2
20	256QAM	1	99	19.07	19.13	19.03		
20	256QAM	50	0	19.09	19.14	19.08		
20	256QAM	50	24	19.08	19.10	19.06	19.6	2
20	256QAM	50	50	19.10	19.09	19.08		
20	256QAM	100	0	19.03	19.17	19.10		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.96	20.16	20.05		
15	QPSK	1	37	19.95	20.10	19.99	21.6	0
15	QPSK	1	74	20.00	20.07	19.96		
15	QPSK	36	0	19.89	20.05	20.04		
15	QPSK	36	20	20.07	19.97	19.94	21.6	0
15	QPSK	36	39	20.06	20.09	19.97		
15	QPSK	75	0	20.02	19.97	19.97		
15	16QAM	1	0	20.03	19.99	19.91		
15	16QAM	1	37	19.94	20.14	19.97	21.6	0
15	16QAM	1	74	20.08	19.96	19.93		
15	16QAM	36	0	20.03	19.99	19.93		
15	16QAM	36	20	20.02	20.05	19.94	21.6	0
15	16QAM	36	39	20.04	20.06	19.90		
15	16QAM	75	0	20.01	20.05	19.92		
15	64QAM	1	0	20.06	19.98	19.96		
15	64QAM	1	37	20.05	20.04	20.01	21.6	0
15	64QAM	1	74	19.98	20.07	19.98		
15	64QAM	36	0	20.01	20.14	19.90		
15	64QAM	36	20	19.97	20.09	19.97	21.6	0
15	64QAM	36	39	20.03	20.14	20.00		
15	64QAM	75	0	19.94	20.11	20.05		
15	256QAM	1	0	18.93	18.98	18.95		
15	256QAM	1	37	18.98	18.99	18.96	19.6	2
15	256QAM	1	74	19.02	19.08	18.96		
15	256QAM	36	0	19.04	19.11	18.98		
15	256QAM	36	20	19.01	19.02	19.00	19.6	2
15	256QAM	36	39	18.98	19.02	19.07		
15	256QAM	75	0	18.95	19.08	18.98		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.99	20.10	19.99		
10	QPSK	1	25	19.90	20.12	20.03	21.6	0
10	QPSK	1	49	20.05	20.12	19.98		
10	QPSK	25	0	19.98	20.04	20.01		
10	QPSK	25	12	20.04	19.97	20.00	21.6	0
10	QPSK	25	25	20.08	20.06	19.93		
10	QPSK	50	0	19.90	20.01	20.02		
10	16QAM	1	0	20.00	20.02	19.93		
10	16QAM	1	25	20.02	20.14	19.86	21.6	0
10	16QAM	1	49	20.07	20.03	19.96		
10	16QAM	25	0	19.92	19.97	20.01		
10	16QAM	25	12	20.01	20.13	19.98	21.6	0
10	16QAM	25	25	20.04	20.03	19.98		
10	16QAM	50	0	20.06	20.04	19.93		
10	64QAM	1	0	19.99	19.96	19.94		
10	64QAM	1	25	20.01	20.05	20.01	21.6	0
10	64QAM	1	49	19.99	20.04	19.97		
10	64QAM	25	0	20.03	20.17	19.96		
10	64QAM	25	12	19.93	20.03	20.08	21.6	0
10	64QAM	25	25	20.01	20.12	20.03		
10	64QAM	50	0	20.03	20.02	20.02		
10	256QAM	1	0	18.97	18.95	18.98		
10	256QAM	1	25	18.98	19.06	18.88	19.6	2
10	256QAM	1	49	18.96	19.11	18.98		
10	256QAM	25	0	19.05	19.12	19.03		
10	256QAM	25	12	19.05	19.08	18.96	19.6	2
10	256QAM	25	25	18.99	18.96	18.98		
10	256QAM	50	0	18.92	19.15	18.98		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	20.08	20.10	19.98		
5	QPSK	1	12	20.00	20.06	20.02	21.6	0
5	QPSK	1	24	20.03	20.08	19.98		
5	QPSK	12	0	19.96	20.08	20.05		
5	QPSK	12	7	20.07	20.04	19.94	21.6	0
5	QPSK	12	13	20.05	20.09	19.92		
5	QPSK	25	0	20.01	20.02	20.03		
5	16QAM	1	0	19.96	20.06	19.91		
5	16QAM	1	12	19.96	20.07	19.92	21.6	0
5	16QAM	1	24	20.08	20.03	20.02		
5	16QAM	12	0	19.95	20.03	19.99		
5	16QAM	12	7	19.94	20.07	19.95	21.6	0
5	16QAM	12	13	20.04	20.00	19.89		
5	16QAM	25	0	20.06	19.98	19.96		
5	64QAM	1	0	20.08	19.95	20.02		
5	64QAM	1	12	20.04	20.03	19.93	21.6	0
5	64QAM	1	24	19.98	20.03	20.07		
5	64QAM	12	0	20.05	20.11	19.90		
5	64QAM	12	7	19.99	20.12	19.99	21.6	0
5	64QAM	12	13	19.99	20.05	19.95		
5	64QAM	25	0	19.94	20.07	19.96		
5	256QAM	1	0	18.99	19.04	18.97		
5	256QAM	1	12	19.06	18.98	18.98	19.6	2
5	256QAM	1	24	19.00	19.03	18.97		
5	256QAM	12	0	19.02	19.06	18.97		
5	256QAM	12	7	19.01	18.98	19.00	19.6	2
5	256QAM	12	13	18.96	18.96	19.03		
5	256QAM	25	0	18.93	19.12	18.97		

Band 41 Ant4 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	19.07	19.07	19.25	19.05	19.13	
20	QPSK	1	49	19.16	19.05	19.14	19.02	19.12	20.6	0
20	QPSK	1	99	19.10	19.04	19.14	19.03	19.10	
20	QPSK	50	0	19.12	19.10	19.21	19.09	19.16	
20	QPSK	50	24	19.15	19.05	19.18	19.08	19.17	20.6	0
20	QPSK	50	50	19.08	19.12	19.16	19.09	19.18	
20	QPSK	100	0	19.17	19.10	19.19	19.06	19.18	
20	16QAM	1	0	19.14	19.13	19.18	19.03	19.09	
20	16QAM	1	49	19.08	19.12	19.21	19.04	19.14	20.6	0
20	16QAM	1	99	19.14	19.03	19.14	19.02	19.13	
20	16QAM	50	0	19.12	19.04	19.17	19.09	19.12	
20	16QAM	50	24	19.13	19.07	19.18	19.09	19.17	20.6	0
20	16QAM	50	50	19.14	19.08	19.11	19.00	19.08	
20	16QAM	100	0	19.12	19.06	19.14	19.11	19.18	
20	64QAM	1	0	19.13	19.07	19.20	19.02	19.11	
20	64QAM	1	49	19.10	19.14	19.16	19.07	19.08	20.6	0
20	64QAM	1	99	19.07	19.14	19.16	19.05	19.10	
20	64QAM	50	0	19.10	19.09	19.17	19.07	19.18	
20	64QAM	50	24	19.17	19.14	19.16	19.06	19.12	20.6	0
20	64QAM	50	50	19.08	19.06	19.15	19.05	19.12	
20	64QAM	100	0	19.17	19.12	19.21	19.04	19.08	
20	256QAM	1	0	18.02	18.10	18.22	18.09	18.08	
20	256QAM	1	49	18.20	18.06	18.09	18.07	18.15	19.6	1
20	256QAM	1	99	18.05	17.98	18.09	18.05	18.06	
20	256QAM	50	0	18.11	18.14	18.20	18.15	18.14	
20	256QAM	50	24	18.20	18.02	18.22	18.06	18.15	19.6	1
20	256QAM	50	50	18.07	18.08	18.13	18.09	18.18	
20	256QAM	100	0	18.18	18.07	18.23	18.03	18.20	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.03	19.03	19.14	18.93	19.04		
15	QPSK	1	37	19.08	18.95	19.07	18.98	19.03	21	0
15	QPSK	1	74	19.05	19.00	19.11	18.90	19.00		
15	QPSK	36	0	19.05	18.98	19.15	19.07	19.07		
15	QPSK	36	20	19.01	18.94	19.07	19.03	19.06	20.6	0
15	QPSK	36	39	19.00	19.06	19.11	19.00	19.09		
15	QPSK	75	0	19.12	19.03	19.15	19.01	19.09		
15	16QAM	1	0	19.05	19.04	19.05	18.90	18.95		
15	16QAM	1	37	18.99	19.00	19.12	18.96	19.01	20.6	0
15	16QAM	1	74	19.10	18.92	19.00	18.95	19.01		
15	16QAM	36	0	19.03	18.97	19.08	19.01	19.08		
15	16QAM	36	20	19.06	18.97	19.07	19.00	19.04	20.6	0
15	16QAM	36	39	19.01	18.97	19.02	18.96	18.98		
15	16QAM	75	0	19.09	19.02	19.01	19.08	19.08		
15	64QAM	1	0	19.07	19.00	19.15	18.89	19.08		
15	64QAM	1	37	18.99	19.04	19.02	19.02	19.03	20.6	0
15	64QAM	1	74	19.02	19.08	19.03	18.95	19.06		
15	64QAM	36	0	18.97	18.96	19.04	19.02	19.09		
15	64QAM	36	20	19.14	19.08	19.09	19.01	18.99	20.6	0
15	64QAM	36	39	18.97	18.92	19.09	19.01	19.05		
15	64QAM	75	0	19.05	19.01	19.19	18.96	18.99		
15	256QAM	1	0	17.99	17.97	18.17	18.03	17.97		
15	256QAM	1	37	18.11	18.02	18.03	18.02	18.04	19.6	1
15	256QAM	1	74	17.93	17.86	18.02	17.96	18.02		
15	256QAM	36	0	18.01	18.11	18.09	18.11	18.02		
15	256QAM	36	20	18.15	17.96	18.09	17.98	18.06	19.6	1
15	256QAM	36	39	18.03	18.04	18.10	18.00	18.05		
15	256QAM	75	0	18.11	17.93	18.10	17.92	18.17		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.94	19.01	19.15	18.93	19.09		
10	QPSK	1	25	19.09	18.98	19.04	18.92	19.01	21	0
10	QPSK	1	49	19.06	19.01	19.06	18.99	18.96		
10	QPSK	25	0	19.02	18.99	19.14	19.00	19.08		
10	QPSK	25	12	19.13	18.95	19.12	18.97	19.05	20.6	0
10	QPSK	25	25	19.03	19.03	19.09	19.01	19.09		
10	QPSK	50	0	19.08	19.06	19.13	19.01	19.14		
10	16QAM	1	0	19.07	18.99	19.06	18.90	19.02		
10	16QAM	1	25	19.06	18.99	19.14	18.96	19.11	20.6	0
10	16QAM	1	49	19.10	18.91	19.02	18.94	19.05		
10	16QAM	25	0	19.00	19.00	19.14	18.99	19.02		
10	16QAM	25	12	19.06	18.94	19.15	19.01	19.14	20.6	0
10	16QAM	25	25	19.10	18.94	19.02	18.95	18.96		
10	16QAM	50	0	19.07	18.92	19.04	19.07	19.12		
10	64QAM	1	0	19.10	18.98	19.11	18.93	19.08		
10	64QAM	1	25	18.99	19.07	19.11	19.04	19.06	20.6	0
10	64QAM	1	49	19.02	19.07	19.07	18.94	19.02		
10	64QAM	25	0	18.98	19.04	19.08	19.04	19.06		
10	64QAM	25	12	19.06	19.04	19.12	19.03	19.03	20.6	0
10	64QAM	25	25	18.95	18.86	19.09	19.03	19.06		
10	64QAM	50	0	19.08	19.08	19.18	19.01	19.02		
10	256QAM	1	0	17.94	18.05	18.16	17.99	17.99		
10	256QAM	1	25	18.13	17.95	18.06	17.93	18.08	19.6	1
10	256QAM	1	49	18.03	17.85	17.95	17.93	17.97		
10	256QAM	25	0	18.02	18.05	18.06	18.03	18.02		
10	256QAM	25	12	18.06	17.95	18.10	17.92	18.06	19.6	1
10	256QAM	25	25	18.02	17.96	18.11	18.01	18.11		
10	256QAM	50	0	18.11	17.97	18.13	17.97	18.13		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.94	18.95	19.20	18.99	19.04		
5	QPSK	1	12	19.09	19.00	19.12	18.94	19.06	21	0
5	QPSK	1	24	19.06	18.95	19.12	18.96	18.99		
5	QPSK	12	0	18.98	18.97	19.11	18.99	19.07		
5	QPSK	12	7	19.06	18.92	19.12	18.98	19.10	20.6	0
5	QPSK	12	13	19.04	19.05	19.09	19.04	19.14		
5	QPSK	25	0	19.09	19.07	19.05	18.94	19.05		
5	16QAM	1	0	19.04	19.11	19.16	19.01	19.06		
5	16QAM	1	12	19.02	19.04	19.10	18.96	19.10	20.6	0
5	16QAM	1	24	19.07	18.99	19.00	18.88	19.00		
5	16QAM	12	0	19.03	18.98	19.11	19.06	19.05		
5	16QAM	12	7	19.10	18.96	19.13	18.97	19.05	20.6	0
5	16QAM	12	13	19.07	19.04	18.97	18.94	19.00		
5	16QAM	25	0	19.08	19.04	19.02	19.00	19.11		
5	64QAM	1	0	19.00	18.93	19.06	18.89	19.02		
5	64QAM	1	12	19.00	19.05	19.02	18.97	18.96	20.6	0
5	64QAM	1	24	18.95	19.02	19.04	18.95	18.97		
5	64QAM	12	0	18.97	18.96	19.11	18.99	19.05		
5	64QAM	12	7	19.13	18.99	19.02	18.98	19.09	20.6	0
5	64QAM	12	13	18.96	19.00	19.06	18.94	19.05		
5	64QAM	25	0	19.13	19.05	19.12	18.97	19.01		
5	256QAM	1	0	17.95	18.07	18.13	18.03	18.01		
5	256QAM	1	12	18.09	17.99	18.06	17.98	18.06	19.6	1
5	256QAM	1	24	17.97	17.96	17.96	18.01	17.98		
5	256QAM	12	0	18.03	18.08	18.14	18.02	18.10		
5	256QAM	12	7	18.09	17.93	18.08	17.97	18.12	19.6	1
5	256QAM	12	13	18.01	17.96	18.06	18.00	18.12		
5	256QAM	25	0	18.06	17.96	18.12	17.89	18.09		

Band 42 Ant4 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	19.04	19.21	19.06		
20	QPSK	1	49	19.08	19.14	19.08	19.7	0
20	QPSK	1	99	19.04	19.16	19.10		
20	QPSK	50	0	19.13	19.18	19.09		
20	QPSK	50	24	19.10	19.19	19.12	19.7	0
20	QPSK	50	50	19.12	19.16	19.09		
20	QPSK	100	0	19.12	19.13	19.05		
20	16QAM	1	0	19.12	19.17	19.09		
20	16QAM	1	49	19.04	19.10	19.16	19.7	0
20	16QAM	1	99	19.06	19.18	19.11		
20	16QAM	50	0	19.14	19.15	19.07		
20	16QAM	50	24	19.05	19.07	19.05	19.7	0
20	16QAM	50	50	19.06	19.15	19.04		
20	16QAM	100	0	19.07	19.15	19.04		
20	64QAM	1	0	19.03	19.16	19.11		
20	64QAM	1	49	19.13	19.19	19.14	19.7	0
20	64QAM	1	99	19.06	19.07	19.08		
20	64QAM	50	0	19.03	19.16	19.10		
20	64QAM	50	24	19.05	19.18	19.09	19.7	0
20	64QAM	50	50	19.07	19.05	19.10		
20	64QAM	100	0	19.07	19.16	19.15		
20	256QAM	1	0	19.11	19.09	19.10		
20	256QAM	1	49	19.11	19.13	19.13	19.7	0
20	256QAM	1	99	19.09	19.11	19.08		
20	256QAM	50	0	19.08	19.08	19.10		
20	256QAM	50	24	19.04	19.19	19.09	19.7	0
20	256QAM	50	50	19.07	19.16	19.16		
20	256QAM	100	0	19.05	19.08	19.10		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3437.5	3500	3562.5		
15	QPSK	1	0	19.02	18.98	19.02		
15	QPSK	1	37	18.95	19.08	19.05	19.7	0
15	QPSK	1	74	18.94	19.05	18.97		
15	QPSK	36	0	18.96	18.98	19.00		
15	QPSK	36	20	19.02	19.08	19.02	19.7	0
15	QPSK	36	39	18.96	18.98	18.97		
15	QPSK	75	0	19.04	19.02	18.98		
15	16QAM	1	0	18.97	19.03	18.98		
15	16QAM	1	37	19.03	18.99	19.04	19.7	0
15	16QAM	1	74	19.04	19.02	19.01		
15	16QAM	36	0	18.95	19.03	18.98		
15	16QAM	36	20	18.94	18.98	19.00	19.7	0
15	16QAM	36	39	18.99	19.01	19.02		
15	16QAM	75	0	19.01	18.99	19.01		
15	64QAM	1	0	18.99	19.01	18.97		
15	64QAM	1	37	18.99	19.07	19.00	19.7	0
15	64QAM	1	74	18.99	19.00	19.02		
15	64QAM	36	0	18.98	18.99	19.03		
15	64QAM	36	20	18.97	19.08	18.94	19.7	0
15	64QAM	36	39	18.99	19.04	19.00		
15	64QAM	75	0	18.99	19.00	18.99		
15	256QAM	1	0	18.98	19.00	18.98		
15	256QAM	1	37	18.95	18.99	18.94	19.7	0
15	256QAM	1	74	18.97	19.08	18.98		
15	256QAM	36	0	18.95	19.04	18.96		
15	256QAM	36	20	19.03	18.97	19.04	19.7	0
15	256QAM	36	39	18.96	19.08	18.97		
15	256QAM	75	0	19.00	18.99	19.02		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	18.93	18.98	19.05		
10	QPSK	1	25	18.93	19.03	19.05	19.7	0
10	QPSK	1	49	19.03	19.02	19.06		
10	QPSK	25	0	19.01	19.08	19.01		
10	QPSK	25	12	19.02	19.07	19.03	19.7	0
10	QPSK	25	25	18.93	19.01	19.01		
10	QPSK	50	0	18.94	18.97	18.97		
10	16QAM	1	0	18.94	19.02	18.96		
10	16QAM	1	25	18.96	19.04	19.04	19.7	0
10	16QAM	1	49	18.93	18.98	18.97		
10	16QAM	25	0	19.02	19.02	19.06		
10	16QAM	25	12	19.02	19.07	18.96	19.7	0
10	16QAM	25	25	19.00	19.00	18.98		
10	16QAM	50	0	18.95	19.09	19.00		
10	64QAM	1	0	18.98	19.05	18.95		
10	64QAM	1	25	19.03	18.98	18.96	19.7	0
10	64QAM	1	49	18.94	19.08	18.96		
10	64QAM	25	0	18.95	19.08	18.98		
10	64QAM	25	12	19.00	19.01	18.99	19.7	0
10	64QAM	25	25	19.01	18.95	18.96		
10	64QAM	50	0	18.97	19.03	19.02		
10	256QAM	1	0	19.01	18.99	19.00		
10	256QAM	1	25	19.01	19.06	18.98	19.7	0
10	256QAM	1	49	18.93	19.01	18.94		
10	256QAM	25	0	18.99	19.01	19.00		
10	256QAM	25	12	18.96	19.02	18.97	19.7	0
10	256QAM	25	25	19.02	19.04	19.00		
10	256QAM	50	0	18.93	19.04	19.03		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3453.5	3500	3547.5		
5	QPSK	1	0	18.99	19.06	18.98		
5	QPSK	1	12	18.96	19.06	19.06	19.7	0
5	QPSK	1	24	18.94	18.97	18.96		
5	QPSK	12	0	18.98	19.02	18.99		
5	QPSK	12	7	18.92	19.09	19.04	19.7	0
5	QPSK	12	13	18.96	19.03	19.00		
5	QPSK	25	0	18.98	19.04	19.04		
5	16QAM	1

Band 4 Ant6 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.17	20.41	20.27	21.2	0
20	QPSK	1	49	20.15	20.34	20.24		
20	QPSK	1	99	20.16	20.31	20.18		
20	QPSK	50	0	20.19	20.35	20.20		
20	QPSK	50	24	20.25	20.31	20.22	21.2	0
20	QPSK	50	50	20.20	20.25	20.26		
20	QPSK	100	0	20.20	20.29	20.28		
20	16QAM	1	0	20.18	20.35	20.24		
20	16QAM	1	49	20.20	20.28	20.21	21.2	0
20	16QAM	1	99	20.20	20.29	20.25		
20	16QAM	50	0	20.24	20.34	20.22		
20	16QAM	50	24	20.13	20.27	20.27	21.2	0
20	16QAM	50	50	20.23	20.33	20.25		
20	16QAM	100	0	20.25	20.34	20.25		
20	64QAM	1	0	20.15	20.27	20.20		
20	64QAM	1	49	20.21	20.25	20.18	21.2	0
20	64QAM	1	99	20.24	20.31	20.21		
20	64QAM	50	0	20.16	20.32	20.27		
20	64QAM	50	24	20.24	20.33	20.18	21.2	0
20	64QAM	50	50	20.20	20.35	20.23		
20	64QAM	100	0	20.13	20.29	20.20		
20	256QAM	1	0	19.66	19.84	19.70		
20	256QAM	1	49	19.70	19.79	19.77	20.7	0.5
20	256QAM	1	99	19.72	19.75	19.68		
20	256QAM	50	0	19.72	19.78	19.69		
20	256QAM	50	24	19.66	19.79	19.75	20.7	0.5
20	256QAM	50	50	19.73	19.81	19.73		
20	256QAM	100	0	19.64	19.76	19.75		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.06	20.15	20.15	21.2	0
15	QPSK	1	37	20.09	20.22	20.09		
15	QPSK	1	74	20.00	20.23	20.11		
15	QPSK	36	0	20.07	20.23	20.10		
15	QPSK	36	20	20.14	20.17	20.09	21.2	0
15	QPSK	36	39	20.12	20.22	20.13		
15	QPSK	75	0	20.06	20.16	20.14		
15	16QAM	1	0	20.12	20.27	20.12		
15	16QAM	1	37	20.13	20.14	20.09	21.2	0
15	16QAM	1	74	20.16	20.21	20.19		
15	16QAM	36	0	20.15	20.25	20.13		
15	16QAM	36	20	20.02	20.12	20.20	21.2	0
15	16QAM	36	39	20.13	20.23	20.09		
15	16QAM	75	0	20.18	20.30	20.15		
15	64QAM	1	0	19.99	20.18	20.10		
15	64QAM	1	37	20.09	20.12	20.08	21.2	0
15	64QAM	1	74	20.19	20.26	20.07		
15	64QAM	36	0	20.07	20.23	20.19		
15	64QAM	36	20	20.16	20.20	20.07	21.2	0
15	64QAM	36	39	20.12	20.26	20.12		
15	64QAM	75	0	20.05	20.22	20.05		
15	256QAM	1	0	19.61	19.72	19.57		
15	256QAM	1	37	19.68	19.75	19.72	20.7	0.5
15	256QAM	1	74	19.63	19.69	19.54		
15	256QAM	36	0	19.67	19.62	19.54		
15	256QAM	36	20	19.51	19.71	19.60	20.7	0.5
15	256QAM	36	39	19.62	19.72	19.65		
15	256QAM	75	0	19.57	19.70	19.62		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.09	20.22	20.17	21.2	0
10	QPSK	1	25	20.00	20.30	20.19		
10	QPSK	1	49	20.02	20.23	20.11		
10	QPSK	25	0	20.14	20.25	20.13		
10	QPSK	25	12	20.12	20.27	20.12	21.2	0
10	QPSK	25	25	20.14	20.22	20.12		
10	QPSK	50	0	20.14	20.15	20.14		
10	16QAM	1	0	20.13	20.22	20.13		
10	16QAM	1	25	20.12	20.18	20.13	21.2	0
10	16QAM	1	49	20.12	20.22	20.12		
10	16QAM	25	0	20.19	20.18	20.12		
10	16QAM	25	12	20.06	20.18	20.20	21.2	0
10	16QAM	25	25	20.11	20.24	20.11		
10	16QAM	50	0	20.12	20.24	20.10		
10	64QAM	1	0	20.08	20.22	20.06		
10	64QAM	1	25	20.16	20.15	20.12	21.2	0
10	64QAM	1	49	20.12	20.24	20.15		
10	64QAM	25	0	20.05	20.24	20.13		
10	64QAM	25	12	20.14	20.20	20.12	21.2	0
10	64QAM	25	25	20.04	20.26	20.10		
10	64QAM	50	0	19.97	20.20	20.10		
10	256QAM	1	0	19.54	19.78	19.62		
10	256QAM	1	25	19.59	19.74	19.62	20.7	0.5
10	256QAM	1	49	19.58	19.61	19.54		
10	256QAM	25	0	19.60	19.69	19.54		
10	256QAM	25	12	19.51	19.69	19.59	20.7	0.5
10	256QAM	25	25	19.62	19.66	19.59		
10	256QAM	50	0	19.59	19.61	19.61		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.07	20.20	20.16	21.2	0
5	QPSK	1	12	20.05	20.23	20.08		
5	QPSK	1	24	20.09	20.19	20.08		
5	QPSK	12	0	20.09	20.29	20.08		
5	QPSK	12	7	20.18	20.24	20.06	21.2	0
5	QPSK	12	13	20.10	20.20	20.20		
5	QPSK	25	0	20.08	20.20	20.23		
5	16QAM	1	0	20.10	20.23	20.13		
5	16QAM	1	12	20.05	20.16	20.07	21.2	0
5	16QAM	1	24	20.11	20.24	20.10		
5	16QAM	12	0	20.15	20.27	20.11		
5	16QAM	12	7	20.06	20.23	20.14	21.2	0
5	16QAM	12	13	20.18	20.21	20.18		
5	16QAM	25	0	20.16	20.20	20.20		
5	64QAM	1	0	20.10	20.18	20.12		
5	64QAM	1	12	20.08	20.20	20.03	21.2	0
5	64QAM	1	24	20.11	20.17	20.16		
5	64QAM	12	0	20.12	20.21	20.15		
5	64QAM	12	7	20.12	20.18	20.07	21.2	0
5	64QAM	12	13	20.09	20.22	20.19		
5	64QAM	25	0	20.05	20.15	20.11		
5	256QAM	1	0	19.58	19.74	19.59		
5	256QAM	1	12	19.66	19.67	19.70	20.7	0.5
5	256QAM	1	24	19.66	19.61	19.61		
5	256QAM	12	0	19.57	19.73	19.64		
5	256QAM	12	7	19.59	19.74	19.59	20.7	0.5
5	256QAM	12	13	19.62	19.69	19.60		
5	256QAM	25	0	19.59	19.62	19.70		
Channel				19950	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.02	20.13	20.15	21.2	0
3	QPSK	1	8	20.01	20.30	20.19		
3	QPSK	1	14	20.06	20.19	20.04		
3	QPSK	8	0	20.11	20.29	20.10		
3	QPSK	8	4	20.13	20.18	20.06	21.2	0
3	QPSK	8	7	20.07	20.27	20.21		
3	QPSK	15	0	20.05	20.17	20.14		
3	16QAM	1	0	20.11	20.28	20.14		
3	16QAM	1	8	20.14	20.23	20.09	21.2	0
3	16QAM	1	14	20.13	20.18	20.17		
3	16QAM	8	0	20.12	20.27	20.12		
3	16QAM	8	4	20.08	20.20	20.20	21.2	0
3	16QAM	8	7	20.10	20.19	20.15		
3	16QAM	15	0	20.10	20.20	20.13		
3	64QAM	1	0	20.01	20.12	20.15		
3	64QAM	1	8	20.12	20.21	20.06	21.2	0
3	64QAM	1	14	20.18	20.20	20.17		
3	64QAM	8	0	20.00	20.26	20.21		
3	64QAM	8	4	20.19	20.22	20.05	21.2	0
3	64QAM	8	7	20.09	20.24	20.18		
3	64QAM	15	0	20.05	20.15	20.07		
3	256QAM	1	0	19.52	19.78	19.63		
3	256QAM	1	8	19.60	19.68	19.63	20.7	0.5
3	256QAM	1	14	19.58	19.61	19.59		
3	256QAM	8	0	19.65	19.72	19.61		
3	256QAM	8	4	19.59	19.73	19.64	20.7	0.5
3	256QAM	8	7	19.60	19.77	19.58		
3	256QAM	15	0	19.51	19.64	19.61		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.09	20.15	20.17	21.2	0
1.4	QPSK	1	3	20.02	20.19	20.19		
1.4	QPSK	1	5	20.05	20.19	20.05		
1.4	QPSK	3	0	20.14	20.30	20.10		
1.4	QPSK	3	1	20.15	20.23	20.06		
1.4	QPSK	3	3	20.06	20.22	20.19		
1.4	QPSK	6	0	20.07	20.12	20.13	21.2	0
1.4	16QAM	1	0	20.09	20.27	20.12	21.2	0
1.4	16QAM	1	3	20.10	20.21	20.14		
1.4	16QAM	1	5	20.15	20.23	20.17		
1.4	16QAM	3	0	20.11	20.19	20.14		
1.4	16QAM	3	1	19.97	20.19	20.14		
1.4	16QAM	3	3	20.09	20.25	20.10		
1.4	16QAM	6	0	20.17	20.21	20.17	21.2	0
1.4	64QAM	1	0	20.10	20.22	20.05	21.2	0
1.4	64QAM	1	3	20.06	20.18	20.06		
1.4	64QAM	1	5	20.15	20.17	20.16		
1.4	64QAM	3	0	20.07	20.17	20.21		
1.4	64QAM	3	1	20.17	20.25	20.10		
1.4	64QAM	3	3	20.07	20.20	20.07		
1.4	64QAM	6	0	20.05	20.17	20.09	21.2	0
1.4	256QAM	1	0	19.58	19.73	19.56	20.7	0.5
1.4	256QAM	1	3	19.58	19.66	19.64		
1.4	256QAM	1	5	19.63	19.70	19.54		
1.4	256QAM	3	0	19.62	19.70	19.64		
1.4	256QAM	3	1	19.62	19.71	19.67		
1.4	256QAM	3	3	19.63	19.65	19.62		
1.4	256QAM	6	0	19.48	19.66	19.65	20.7	0.5

Band 7 Ant6 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.74	19.87	19.64	21	0
20	QPSK	1	49	19.74	19.76	19.68		
20	QPSK	1	99	19.72	19.74	19.72		
20	QPSK	50	0	19.78	19.79	19.73		
20	QPSK	50	24	19.69	19.77	19.73	21	0
20	QPSK	50	50	19.76	19.73	19.66		
20	QPSK	100	0	19.70	19.71	19.70		
20	16QAM	1	0	19.76	19.77	19.70		
20	16QAM	1	49	19.68	19.80	19.62	21	0
20	16QAM	1	99	19.72	19.81	19.73		
20	16QAM	50	0	19.80	19.77	19.73		
20	16QAM	50	24	19.71	19.76	19.62	21	0
20	16QAM	50	50	19.74	19.81	19.67		
20	16QAM	100	0	19.77	19.78	19.66		
20	64QAM	1	0	19.75	19.78	19.67		
20	64QAM	1	49	19.69	19.77	19.64	21	0
20	64QAM	1	99	19.78	19.71	19.72		
20	64QAM	50	0	19.74	19.73	19.62		
20	64QAM	50	24	19.68	19.73	19.64	21	0
20	64QAM	50	50	19.69	19.79	19.69		
20	64QAM	100	0	19.74	19.72	19.62		
20	256QAM	1	0	19.23	19.26	19.18		
20	256QAM	1	49	19.21	19.32	19.20	20.5	0.5
20	256QAM	1	99	19.20	19.20	19.16		
20	256QAM	50	0	19.25	19.23	19.18		
20	256QAM	50	24	19.26	19.31	19.16	20.5	0.5
20	256QAM	50	50	19.25	19.29	19.20		
20	256QAM	100	0	19.20	19.28	19.15		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.68	19.69	19.50	21	0
15	QPSK	1	37	19.61	19.62	19.59		
15	QPSK	1	74	19.56	19.60	19.63		
15	QPSK	36	0	19.72	19.65	19.67	21	0
15	QPSK	36	20	19.58	19.72	19.62		
15	QPSK	36	39	19.62	19.64	19.50		
15	QPSK	75	0	19.58	19.63	19.65		
15	16QAM	1	0	19.61	19.72	19.63	21	0
15	16QAM	1	37	19.60	19.74	19.52		
15	16QAM	1	74	19.64	19.75	19.63		
15	16QAM	36	0	19.66	19.73	19.67	21	0
15	16QAM	36	20	19.59	19.61	19.54		
15	16QAM	36	39	19.70	19.68	19.56		
15	16QAM	75	0	19.67	19.67	19.60		
15	64QAM	1	0	19.71	19.71	19.57	21	0
15	64QAM	1	37	19.64	19.67	19.50		
15	64QAM	1	74	19.65	19.57	19.58		
15	64QAM	36	0	19.59	19.66	19.48	21	0
15	64QAM	36	20	19.54	19.67	19.53		
15	64QAM	36	39	19.65	19.68	19.60		
15	64QAM	75	0	19.58	19.56	19.56		
15	256QAM	1	0	19.14	19.17	19.14	20.5	0.5
15	256QAM	1	37	19.08	19.18	19.06		
15	256QAM	1	74	19.07	19.10	19.05		
15	256QAM	36	0	19.12	19.16	19.13	20.5	0.5
15	256QAM	36	20	19.10	19.21	19.07		
15	256QAM	36	39	19.20	19.18	19.06		
15	256QAM	75	0	19.06	19.21	19.03		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.61	19.74	19.50	21	0
10	QPSK	1	25	19.62	19.66	19.53		
10	QPSK	1	49	19.60	19.59	19.67		
10	QPSK	25	0	19.68	19.74	19.63	21	0
10	QPSK	25	12	19.54	19.64	19.62		
10	QPSK	25	25	19.63	19.64	19.62		
10	QPSK	50	0	19.55	19.56	19.55		
10	16QAM	1	0	19.66	19.70	19.65	21	0
10	16QAM	1	25	19.57	19.70	19.46		
10	16QAM	1	49	19.67	19.67	19.64		
10	16QAM	25	0	19.68	19.69	19.57	21	0
10	16QAM	25	12	19.58	19.64	19.56		
10	16QAM	25	25	19.65	19.77	19.58		
10	16QAM	50	0	19.69	19.71	19.53		
10	64QAM	1	0	19.67	19.72	19.61	21	0
10	64QAM	1	25	19.63	19.62	19.55		
10	64QAM	1	49	19.67	19.60	19.67		
10	64QAM	25	0	19.59	19.60	19.53	21	0
10	64QAM	25	12	19.63	19.62	19.53		
10	64QAM	25	25	19.54	19.71	19.53		
10	64QAM	50	0	19.62	19.57	19.50		
10	256QAM	1	0	19.07	19.21	19.08	20.5	0.5
10	256QAM	1	25	19.11	19.19	19.13		
10	256QAM	1	49	19.15	19.06	19.06		
10	256QAM	25	0	19.09	19.14	19.03	20.5	0.5
10	256QAM	25	12	19.19	19.16	19.08		
10	256QAM	25	25	19.20	19.13	19.06		
10	256QAM	50	0	19.06	19.17	19.06		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.64	19.69	19.49	21	0
5	QPSK	1	12	19.60	19.66	19.52		
5	QPSK	1	24	19.57	19.59	19.67		
5	QPSK	12	0	19.72	19.72	19.61	21	0
5	QPSK	12	7	19.53	19.64	19.61		
5	QPSK	12	13	19.66	19.59	19.52		
5	QPSK	25	0	19.55	19.59	19.65		
5	16QAM	1	0	19.67	19.67	19.65	21	0
5	16QAM	1	12	19.63	19.67	19.49		
5	16QAM	1	24	19.67	19.70	19.61		
5	16QAM	12	0	19.71	19.63	19.65	21	0
5	16QAM	12	7	19.56	19.71	19.48		
5	16QAM	12	13	19.62	19.71	19.52		
5	16QAM	25	0	19.71	19.63	19.51		
5	64QAM	1	0	19.68	19.63	19.59	21	0
5	64QAM	1	12	19.56	19.67	19.55		
5	64QAM	1	24	19.71	19.62	19.66		
5	64QAM	12	0	19.66	19.68	19.57	21	0
5	64QAM	12	7	19.59	19.65	19.55		
5	64QAM	12	13	19.60	19.70	19.54		
5	64QAM	25	0	19.61	19.66	19.48		
5	256QAM	1	0	19.17	19.16	19.13	20.5	0.5
5	256QAM	1	12	19.10	19.27	19.07		
5	256QAM	1	24	19.08	19.16	19.10		
5	256QAM	12	0	19.18	19.07	19.07	20.5	0.5
5	256QAM	12	7	19.18	19.24	19.09		
5	256QAM	12	13	19.21	19.15	19.14		
5	256QAM	25	0	19.08	19.23	19.01		

Band 66 Ant6 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	20.41	20.61	20.43	21.2	0
20	QPSK	1	49	20.40	20.57	20.35		
20	QPSK	1	99	20.49	20.52	20.36		
20	QPSK	50	0	20.40	20.51	20.38		
20	QPSK	50	24	20.43	20.50	20.44	21.2	0
20	QPSK	50	50	20.46	20.49	20.43		
20	QPSK	100	0	20.38	20.44	20.41		
20	16QAM	1	0	20.50	20.57	20.37		
20	16QAM	1	49	20.40	20.52	20.44	21.2	0
20	16QAM	1	99	20.47	20.47	20.48		
20	16QAM	50	0	20.41	20.44	20.46		
20	16QAM	50	24	20.40	20.49	20.40	21.2	0
20	16QAM	50	50	20.39	20.46	20.43		
20	16QAM	100	0	20.39	20.38	20.42		
20	64QAM	1	0	20.49	20.52	20.39		
20	64QAM	1	49	20.52	20.50	20.35	21.2	0
20	64QAM	1	99	20.44	20.43	20.46		
20	64QAM	50	0	20.42	20.46	20.46		
20	64QAM	50	24	20.40	20.59	20.39	21.2	0
20	64QAM	50	50	20.40	20.56	20.48		
20	64QAM	100	0	20.46	20.51	20.49		
20	256QAM	1	0	19.93	19.97	19.93	20.7	0.5
20	256QAM	1	49	19.95	19.93	19.92		
20	256QAM	1	99	19.88	19.91	20.01		
20	256QAM	50	0	20.00	19.90	19.89		
20	256QAM	50	24	19.94	19.98	19.99	20.7	0.5
20	256QAM	50	50	19.89	19.99	19.82		
20	256QAM	100	0	20.02	19.97	19.93		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.31	20.54	20.38	21.2	0
15	QPSK	1	37	20.30	20.51	20.26		
15	QPSK	1	74	20.36	20.45	20.26		
15	QPSK	36	0	20.33	20.37	20.30	21.2	0
15	QPSK	36	20	20.35	20.36	20.30		
15	QPSK	36	39	20.34	20.37	20.38		
15	QPSK	75	0	20.26	20.39	20.36		
15	16QAM	1	0	20.44	20.47	20.22	21.2	0
15	16QAM	1	37	20.27	20.44	20.31		
15	16QAM	1	74	20.42	20.36	20.35		
15	16QAM	36	0	20.27	20.29	20.34	21.2	0
15	16QAM	36	20	20.36	20.41	20.30		
15	16QAM	36	39	20.32	20.35	20.30		
15	16QAM	75	0	20.28	20.28	20.30		
15	64QAM	1	0	20.36	20.36	20.30	21.2	0
15	64QAM	1	37	20.39	20.37	20.27		
15	64QAM	1	74	20.36	20.37	20.41		
15	64QAM	36	0	20.27	20.42	20.33	21.2	0
15	64QAM	36	20	20.30	20.49	20.31		
15	64QAM	36	39	20.27	20.49	20.34		
15	64QAM	75	0	20.37	20.43	20.36		
15	256QAM	1	0	19.87	19.92	19.85	20.7	0.5
15	256QAM	1	37	19.84	19.87	19.84		
15	256QAM	1	74	19.80	19.83	19.96		
15	256QAM	36	0	19.92	19.74	19.76	20.7	0.5
15	256QAM	36	20	19.82	19.89	19.93		
15	256QAM	36	39	19.83	19.92	19.70		
15	256QAM	75	0	19.96	19.88	19.80		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.36	20.49	20.36	21.2	0
10	QPSK	1	25	20.30	20.48	20.22		
10	QPSK	1	49	20.41	20.44	20.30		
10	QPSK	25	0	20.28	20.40	20.28	21.2	0
10	QPSK	25	12	20.28	20.42	20.29		
10	QPSK	25	25	20.33	20.33	20.33		
10	QPSK	50	0	20.30	20.38	20.31		
10	16QAM	1	0	20.46	20.44	20.23	21.2	0
10	16QAM	1	25	20.30	20.38	20.34		
10	16QAM	1	49	20.40	20.

Band 38 Ant6 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.45	22.55	22.42		
20	QPSK	1	49	22.52	22.52	22.42	23.5	0
20	QPSK	1	99	22.49	22.49	22.46		
20	QPSK	50	0	22.43	22.54	22.48		
20	QPSK	50	24	22.45	22.45	22.42	23.5	0
20	QPSK	50	50	22.50	22.53	22.40		
20	QPSK	100	0	22.43	22.50	22.44		
20	16QAM	1	0	22.44	22.43	22.44		
20	16QAM	1	49	22.43	22.46	22.38	23.5	0
20	16QAM	1	99	22.40	22.49	22.46		
20	16QAM	50	0	22.51	22.42	22.40		
20	16QAM	50	24	22.45	22.47	22.46	23.5	0
20	16QAM	50	50	22.50	22.51	22.42		
20	16QAM	100	0	22.40	22.52	22.42		
20	64QAM	1	0	22.43	22.52	22.38		
20	64QAM	1	49	22.44	22.51	22.40	23.5	0
20	64QAM	1	99	22.43	22.43	22.47		
20	64QAM	50	0	21.49	21.51	21.46		
20	64QAM	50	24	21.51	21.57	21.37	22.5	1
20	64QAM	50	50	21.53	21.43	21.43		
20	64QAM	100	0	21.42	21.55	21.51		
20	256QAM	1	0	19.44	19.50	19.45		
20	256QAM	1	49	19.50	19.49	19.41	20.5	3
20	256QAM	1	99	19.51	19.50	19.47		
20	256QAM	50	0	19.44	19.57	19.54		
20	256QAM	50	24	19.42	19.39	19.42	20.5	3
20	256QAM	50	50	19.47	19.53	19.34		
20	256QAM	100	0	19.44	19.45	19.41		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.41	22.44	22.36		
15	QPSK	1	37	22.44	22.45	22.35	23.5	0
15	QPSK	1	74	22.42	22.46	22.42		
15	QPSK	36	0	22.41	22.51	22.37		
15	QPSK	36	20	22.39	22.35	22.38	23.5	0
15	QPSK	36	39	22.40	22.50	22.29		
15	QPSK	75	0	22.34	22.48	22.33		
15	16QAM	1	0	22.38	22.33	22.42		
15	16QAM	1	37	22.41	22.32	22.31	23.5	0
15	16QAM	1	74	22.30	22.45	22.41		
15	16QAM	36	0	22.47	22.37	22.36		
15	16QAM	36	20	22.37	22.40	22.42	23.5	0
15	16QAM	36	39	22.40	22.48	22.34		
15	16QAM	75	0	22.35	22.38	22.31		
15	64QAM	1	0	22.31	22.43	22.25		
15	64QAM	1	37	22.40	22.41	22.37	23.5	0
15	64QAM	1	74	22.37	22.34	22.36		
15	64QAM	36	0	21.46	21.44	21.40		
15	64QAM	36	20	21.46	21.49	21.26	22.5	1
15	64QAM	36	39	21.44	21.39	21.39		
15	64QAM	75	0	21.31	21.46	21.47		
15	256QAM	1	0	19.39	19.37	19.34		
15	256QAM	1	37	19.46	19.40	19.33	20.5	3
15	256QAM	1	74	19.48	19.45	19.44		
15	256QAM	36	0	19.32	19.54	19.48		
15	256QAM	36	20	19.32	19.36	19.38	20.5	3
15	256QAM	36	39	19.44	19.46	19.30		
15	256QAM	75	0	19.41	19.33	19.36		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.41	22.49	22.33		
10	QPSK	1	25	22.41	22.48	22.32	23.5	0
10	QPSK	1	49	22.43	22.40	22.39		
10	QPSK	25	0	22.35	22.47	22.41		
10	QPSK	25	12	22.45	22.33	22.35	23.5	0
10	QPSK	25	25	22.44	22.41	22.30		
10	QPSK	50	0	22.33	22.40	22.36		
10	16QAM	1	0	22.38	22.32	22.40		
10	16QAM	1	25	22.40	22.31	22.36	23.5	0
10	16QAM	1	49	22.31	22.46	22.42		
10	16QAM	25	0	22.38	22.34	22.27		
10	16QAM	25	12	22.35	22.39	22.40	23.5	0
10	16QAM	25	25	22.43	22.41	22.29		
10	16QAM	50	0	22.36	22.50	22.36		
10	64QAM	1	0	22.38	22.46	22.35		
10	64QAM	1	25	22.33	22.46	22.37	23.5	0
10	64QAM	1	49	22.41	22.34	22.44		
10	64QAM	25	0	21.37	21.43	21.33		
10	64QAM	25	12	21.43	21.43	21.34	22.5	1
10	64QAM	25	25	21.44	21.36	21.40		
10	64QAM	50	0	21.40	21.41	21.43		
10	256QAM	1	0	19.32	19.44	19.32		
10	256QAM	1	25	19.46	19.35	19.30	20.5	3
10	256QAM	1	49	19.48	19.38	19.34		
10	256QAM	25	0	19.31	19.44	19.49		
10	256QAM	25	12	19.31	19.26	19.39	20.5	3
10	256QAM	25	25	19.35	19.39	19.30		
10	256QAM	50	0	19.35	19.40	19.30		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.35	22.46	22.30		
5	QPSK	1	12	22.43	22.40	22.30	23.5	0
5	QPSK	1	24	22.38	22.35	22.38		
5	QPSK	12	0	22.35	22.47	22.42		
5	QPSK	12	7	22.36	22.37	22.38	23.5	0
5	QPSK	12	13	22.45	22.46	22.33		
5	QPSK	25	0	22.30	22.43	22.33		
5	16QAM	1	0	22.42	22.30	22.39		
5	16QAM	1	12	22.37	22.43	22.35	23.5	0
5	16QAM	1	24	22.35	22.38	22.44		
5	16QAM	12	0	22.46	22.33	22.31		
5	16QAM	12	7	22.35	22.36	22.39	23.5	0
5	16QAM	12	13	22.44	22.39	22.32		
5	16QAM	25	0	22.36	22.40	22.35		
5	64QAM	1	0	22.39	22.44	22.31		
5	64QAM	1	12	22.38	22.37	22.27	23.5	0
5	64QAM	1	24	22.35	22.35	22.38		
5	64QAM	12	0	21.41	21.40	21.32		
5	64QAM	12	7	21.44	21.45	21.27	22.5	1
5	64QAM	12	13	21.43	21.41	21.31		
5	64QAM	25	0	21.38	21.45	21.44		
5	256QAM	1	0	19.30	19.37	19.35		
5	256QAM	1	12	19.45	19.37	19.28	20.5	3
5	256QAM	1	24	19.46	19.45	19.45		
5	256QAM	12	0	19.32	19.49	19.45		
5	256QAM	12	7	19.37	19.28	19.36	20.5	3
5	256QAM	12	13	19.40	19.42	19.21		
5	256QAM	25	0	19.33	19.33	19.35		

Band 41 Ant6 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.35	22.40	22.55	22.41	22.46		
20	QPSK	1	49	22.37	22.34	22.50	22.49	22.38	23.5	0
20	QPSK	1	99	22.39	22.38	22.41	22.46	22.44		
20	QPSK	50	0	22.36	22.42	22.51	22.50	22.43		
20	QPSK	50	24	22.35	22.34	22.48	22.41	22.42	23.5	0
20	QPSK	50	50	22.46	22.36	22.44	22.43	22.43		
20	QPSK	100	0	22.38	22.38	22.43	22.40	22.40		
20	16QAM	1	0	22.39	22.41	22.51	22.39	22.46		
20	16QAM	1	49	22.40	22.32	22.48	22.49	22.39	23.5	0
20	16QAM	1	99	22.41	22.40	22.49	22.49	22.47		
20	16QAM	50	0	22.34	22.43	22.48	22.49	22.39		
20	16QAM	50	24	22.45	22.39	22.47	22.44	22.40	23.5	0
20	16QAM	50	50	22.38	22.33	22.50	22.38	22.36		
20	16QAM	100	0	22.43	22.43	22.50	22.41	22.36		
20	64QAM	1	0	22.44	22.33	22.44	22.45	22.43		
20	64QAM	1	49	22.45	22.44	22.44	22.49	22.42	23.5	0
20	64QAM	1	99	22.38	22.40	22.50	22.44	22.46		
20	64QAM	50	0	21.30	21.44	21.59	21.45	21.49		
20	64QAM	50	24	21.41	21.39	21.45	21.44	21.37	22.5	1
20	64QAM	50	50	21.36	21.42	21.47	21.45	21.46		
20	64QAM	100	0	21.31	21.40	21.53	21.56	21.38		
20	256QAM	1	0	19.40	19.35	19.57	19.42	19.46		
20	256QAM	1	49	19.36	19.30	19.48	19.49	19.40	20.5	3
20	256QAM	1	99	19.38	19.38	19.41	19.50	19.40		
20	256QAM	50	0	19.32	19.44	19.56	19.46	19.44		
20	256QAM	50	24	19.36	19.37	19.47	19.43	19.36	20.5	3
20	256QAM	50	50	19.51	19.35	19.47	19.40	19.47		
20	256QAM	100	0	19.37	19.40	19.44	19.42	19.39		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.24	22.31	22.46	22.35	22.41		
15	QPSK	1	37	22.26	22.30	22.40	22.46	22.25	24	0
15	QPSK	1	74	22.34	22.25	22.33	22.34	22.41		
15	QPSK	36	0	22.33	22.39	22.43	22.42	22.34		
15	QPSK	36	20	22.24	22.23	22.34	22.34	22.38	23.5	0
15	QPSK	36	39	22.36	22.30	22.38	22.36	22.34		
15	QPSK	75	0	22.26	22.31	22.32	22.34	22.35		
15	16QAM	1	0	22.33	22.29	22.39	22.32	22.43		
15	16QAM	1	37	22.37	22.19	22.43	22.40	22.35	23.5	0
15	16QAM	1	74	22.32	22.35	22.45	22.41	22.37		
15	16QAM	36	0	22.23	22.41	22.36	22.40	22.27		
15	16QAM	36	20	22.40	22.29	22.37	22.31	22.34	23.5	0
15	16QAM	36	39	22.32	22.20	22.48	22.32	22.32		
15	16QAM	75	0	22.29	22.37	22.37	22.27	22.29		
15	64QAM	1	0	22.35	22.24	22.33	22.40	22.40		
15	64QAM	1	37	22.42	22.34	22.33	22.38	22.38	23.5	0
15	64QAM	1	74	22.36	22.33	22.40	22.37	22.41		
15	64QAM	36	0	21.27	21.35	21.53	21.38	21.37		
15	64QAM	36	20	21.28	21.28	21.35	21.41	21.25	22.5	1
15	64QAM	36	39	21.23	21.29	21.35	21.34	21.43		
15	64QAM	75	0	21.22	21.33	21.41	21.43	21.34		
15	256QAM	1	0	19.33	19.32	19.45	19.33	19.36		
15	256QAM	1	37	19.23	19.19	19.39	19.43	19.33	20.5	3
15	256QAM	1	74	19.35	19.25	19.28	19.40	19.27		
15	256QAM	36	0	19.30	19.41	19.44	19.44	19.41		
15	256QAM	36	20	19.27	19.24	19.42	19.40	19.30	20.5	3
15	256QAM	36	39	19.39	19.27	19.43	19.35	19.44		
15	256QAM	75	0	19.33	19.30	19.38	19.35	19.35		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.28	22.31	22.45	22.32	22.40		
10	QPSK	1	25	22.29	22.20	22.47	22.37	22.25	24	0
10	QPSK	1	49	22.25	22.27	22.39	22.39	22.39		
10	QPSK	25	0	22.24	22.35	22.46	22.37	22.33		
10	QPSK	25	12	22.26	22.21	22.44	22.37	22.39	23.5	0
10	QPSK	25	25	22.33	22.24	22.42	22.39	22.31		
10	QPSK	50	0	22.34	22.30	22.40	22.36	22.31		
10	16QAM	1	0	22.27	22.36	22.38	22.30	22.40		
10	16QAM	1	25	22.33	22.21	22.43	22.33	22.36	23.5	0
10	16QAM	1	49	22.33	22.27	22.37	22.38	22.37		
10	16QAM	25	0	22.26	22.36	22.44	22.35	22.35		
10	16QAM	25	12	22.41	22.30	22.40	22.35	22.34	23.5	0
10	16QAM	25	25	22.28	22.20	22.38	22.25	22.34		
10	16QAM	50	0	22.38	22.35	22.40	22.35	22.31		
10	64QAM	1	0	22.37	22.23	22.39	22.33	22.41		
10	64QAM	1	25	22.33	22.39	22.37	22.36	22.36	23.5	0
10	64QAM	1	49	22.29	22.31	22.46	22.40	22.43		
10	64QAM	25	0	21.22	21.31	21.55	21.33	21.39		
10	64QAM	25	12	21.28	21.30	21.33	21.40	21.25	22.5	1
10	64QAM	25	25	21.27	21.33	21.40	21.38	21.32		
10	64QAM	50	0	21.20	21.26	21.45	21.43	21.25		
10	256QAM	1	0	19.37	19.31	19.52	19.36	19.32		
10	256QAM	1	25	19.33	19.24	19.43	19.36	19.35	20.5	3
10	256QAM	1	49	19.30	19.29	19.31	19.43	19.28		
10	256QAM	25	0	19.19	19.30	19.44	19.43	19.32		
10	256QAM	25	12	19.24	19.33	19.40	19.29	19.30	20.5	3
10	256QAM	25	25	19.41	19.24	19.43	19.33	19.35		
10	256QAM	50	0	19.26	19.30	19.34	19.28	19.32		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.28	22.31	22.50	22.27	22.40		
5	QPSK	1	12	22.34	22.20	22.40	22.35	22.24	24	0
5	QPSK	1	24	22.33	22.29	22.28	22.40	22.38		
5	QPSK	12	0	22.33	22.31	22.39	22.35	22.35		
5	QPSK	12	7	22.26	22.31	22.44	22.36	22.29	23.5	0
5	QPSK	12	13	22.32	22.32	22.40	22.35	22.37		
5	QPSK	25	0	22.28	22.26	22.33	22.30	22.31		
5	16QAM	1	0	22.32	22.33	22.41	22.35	22.40		
5	16QAM	1	12	22.27	22.19	22.44	22.35	22.35	23.5	0
5	16QAM	1	24	22.32	22.30	22.36	22.41	22.38		
5	16QAM	12	0	22.32	22.39	22.43	22.42	22.26		
5	16QAM	12	7	22.35	22.36	22.38	22.41	22.36	23.5	0
5	16QAM	12	13	22.28	22.20	22.45	22.30	22.26		
5	16QAM	25	0	22.38	22.36	22.39	22.35	22.33		
5	64QAM	1	0	22.39	22.26	22.38	22.33	22.37		
5	64QAM	1	12	22.37	22.30	22.32	22.38	22.36	23.5	0
5	64QAM	1	24	22.32	22.29	22.48	22.33	22.33		
5	64QAM	12	0	21.22	21.40	21.56	21.39	21.41		
5	64QAM	12	7	21.37	21.41	21.40	21.34	21.23	22.5	1
5	64QAM	12	13	21.28	21.30	21.36	21.38	21.40		
5	64QAM	25	0	21.18	21.36	21.40	21.45	21.27		
5	256QAM	1	0	19.28	19.30	19.53	19.36	19.36		
5	256QAM	1	12	19.32	19.25	19.41	19.44	19.29	20.5	3
5	256QAM	1	24	19.35	19.30	19.34	19.47	19.29		
5	256QAM	12	0	19.28	19.39	19.45	19.38	19.30		
5	256QAM	12	7	19.30	19.24	19.44	19.32	19.24	20.5	3
5	256QAM	12	13	19.44	19.29	19.37	19.32	19.33		
5	256QAM	25	0	19.31	19.31	19.32	19.33	19.30		

Band 42 Ant6 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	21.71	21.82	21.74		
20	QPSK	1	49	21.67	21.75	21.77	23	0
20	QPSK	1	99	21.73	21.73	21.74		
20	QPSK	50	0	21.70	21.79	21.74		
20	QPSK	50	24	21.64	21.69	21.69	23	0
20	QPSK	50	50	21.68	21.75	21.72		
20	QPSK	100	0	21.76	21.80	21.67		
20	16QAM	1	0	21.73	21.69	21.77		
20	16QAM	1	49	21.73	21.70	21.72	23	0
20	16QAM	1	99	21.72	21.74	21.68		
20	16QAM	50	0	21.69	21.72	21.76		
20	16QAM	50	24	21.73	21.76	21.75	23	0
20	16QAM	50	50	21.64	21.70	21.72		
20	16QAM	100	0	21.72	21.79	21.77		
20	64QAM	1	0	21.72	21.79	21.67		
20	64QAM	1	49	21.64	21.73	21.69	23	0
20	64QAM	1	99	21.74	21.71	21.73		
20	64QAM	50	0	20.75	20.80	20.73		
20	64QAM	50	24	20.74	20.76	20.78	22	1
20	64QAM	50	50	20.86	20.76	20.66		
20	64QAM	100	0	20.68	20.74	20.68		
20	256QAM	1	0	18.76	18.71	18.68		
20	256QAM	1	49	18.74	18.78	18.71	20	3
20	256QAM	1	99	18.68	18.69	18.73		
20	256QAM	50	0	18.86	18.69	18.77		
20	256QAM	50	24	18.67	18.78	18.78	20	3
20	256QAM	50	50	18.71	18.71	18.76		
20	256QAM	100	0	18.68	18.78	18.68		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	21.57	21.58	21.58		
15	QPSK	1	37	21.55	21.68	21.69	23	0
15	QPSK	1	74	21.67	21.64	21.66		
15	QPSK	36	0	21.55	21.71	21.65		
15	QPSK	36	20	21.53	21.72	21.63	23	0
15	QPSK	36	39	21.55	21.63	21.66		
15	QPSK	75	0	21.69	21.72	21.57		
15	16QAM	1	0	21.62	21.60	21.66		
15	16QAM	1	37	21.62	21.60	21.67	23	0
15	16QAM	1	74	21.61	21.62	21.55		
15	16QAM	36	0	21.58	21.56	21.63		
15	16QAM	36	20	21.58	21.65	21.62	23	0
15	16QAM	36	39	21.53	21.60	21.62		
15	16QAM	75	0	21.64	21.72	21.62		
15	64QAM	1	0	21.63	21.65	21.58		
15	64QAM	1	37	21.56	21.69	21.65	23	0
15	64QAM	1	74	21.62	21.59	21.65		
15	64QAM	36	0	20.66	20.71	20.68		
15	64QAM	36	20	20.62	20.72	20.66	22	1
15	64QAM	36	39	20.59	20.70	20.54		
15	64QAM	75	0	20.52	20.64	20.63		
15	256QAM	1	0	18.61	18.59	18.53		
15	256QAM	1	37	18.61	18.67	18.65	20	3
15	256QAM	1	74	18.61	18.60	18.61		
15	256QAM	36	0	18.56	18.62	18.71		
15	256QAM	36	20	18.53	18.66	18.69	20	3
15	256QAM	36	39	18.65	18.66	18.69		
15	256QAM	75	0	18.61	18.72	18.61		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	21.65	21.69	21.63		
10	QPSK	1	25	21.62	21.68	21.65	23	0
10	QPSK	1	49	21.68	21.62	21.59		
10	QPSK	25	0	21.65	21.71	21.65		
10	QPSK	25	12	21.58	21.62	21.54	23	0
10	QPSK	25	25	21.62	21.70	21.57		
10	QPSK	50	0	21.61	21.68	21.58		
10	16QAM	1	0	21.68	21.54	21.70		
10	16QAM	1	25	21.59	21.56	21.58	23	0
10	16QAM	1	49	21.67	21.70	21.58		
10	16QAM	25	0	21.56	21.68	21.68		
10	16QAM	25	12	21.68	21.63	21.65	23	0
10	16QAM	25	25	21.55	21.58	21.61		
10	16QAM	50	0	21.56	21.66	21.64		
10	64QAM	1	0	21.57	21.64	21.61		
10	64QAM	1	25	21.51	21.68	21.59	23	0
10	64QAM	1	49	21.61	21.63	21.61		
10	64QAM	25	0	20.66	20.65	20.68		
10	64QAM	25	12	20.67	20.67	20.74	22	1
10	64QAM	25	25	20.51	20.62	20.58		
10	64QAM	50	0	20.55	20.60	20.62		
10	256QAM	1	0	18.63	18.64	18.61		
10	256QAM	1	25	18.68	18.68	18.61	20	3
10	256QAM	1	49	18.55	18.64	18.66		
10	256QAM	25	0	18.52	18.55	18.69		
10	256QAM	25	12	18.59	18.62	18.66	20	3
10	256QAM	25	25	18.63	18.65	18.67		
10	256QAM	50	0	18.53	18.66	18.55		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	21.66	21.66	21.66		
5	QPSK	1	12	21.58	21.63	21.71	23	0
5	QPSK	1	24	21.66	21.61	21.64		
5	QPSK	12	0	21.62	21.71	21.69		
5	QPSK	12	7	21.53	21.66	21.56	23	0
5	QPSK	12	13	21.53	21.70	21.66		
5	QPSK	25	0	21.63	21.67	21.57		
5	16QAM	1	0	21.61	21.

Band 4 Ant7 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	19.41	19.56	19.32		
20	QPSK	1	49	19.47	19.55	19.40	20.9	0
20	QPSK	1	99	19.38	19.53	19.34		
20	QPSK	50	0	19.44	19.55	19.37		
20	QPSK	50	24	19.45	19.50	19.33	20.9	0
20	QPSK	50	50	19.47	19.53	19.32		
20	QPSK	100	0	19.39	19.54	19.33		
20	16QAM	1	0	19.40	19.53	19.41		
20	16QAM	1	49	19.40	19.50	19.33	20.9	0
20	16QAM	1	99	19.43	19.46	19.41		
20	16QAM	50	0	19.39	19.53	19.36		
20	16QAM	50	24	19.46	19.49	19.38	20.9	0
20	16QAM	50	50	19.48	19.52	19.41		
20	16QAM	100	0	19.47	19.49	19.33		
20	64QAM	1	0	19.46	19.55	19.35		
20	64QAM	1	49	19.42	19.48	19.36	20.9	0
20	64QAM	1	99	19.41	19.48	19.39		
20	64QAM	50	0	19.45	19.50	19.33		
20	64QAM	50	24	19.41	19.54	19.31	20.9	0
20	64QAM	50	50	19.46	19.53	19.38		
20	64QAM	100	0	19.45	19.55	19.31		
20	256QAM	1	0	17.38	17.50	17.34		
20	256QAM	1	49	17.47	17.49	17.30	18.9	2
20	256QAM	1	99	17.46	17.51	17.32		
20	256QAM	50	0	17.48	17.55	17.33		
20	256QAM	50	24	17.42	17.45	17.37	18.9	2
20	256QAM	50	50	17.43	17.52	17.29		
20	256QAM	100	0	17.50	17.53	17.38		
Channel				20025	20175	20325		
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	19.33	19.46	19.18		
15	QPSK	1	37	19.32	19.47	19.33	20.9	0
15	QPSK	1	74	19.31	19.42	19.29		
15	QPSK	36	0	19.30	19.42	19.32		
15	QPSK	36	20	19.37	19.49	19.26	20.9	0
15	QPSK	36	39	19.41	19.42	19.16		
15	QPSK	75	0	19.26	19.49	19.23		
15	16QAM	1	0	19.25	19.45	19.31		
15	16QAM	1	37	19.36	19.43	19.19	20.9	0
15	16QAM	1	74	19.32	19.36	19.35		
15	16QAM	36	0	19.23	19.48	19.19		
15	16QAM	36	20	19.35	19.34	19.33	20.9	0
15	16QAM	36	39	19.34	19.37	19.28		
15	16QAM	75	0	19.39	19.36	19.22		
15	64QAM	1	0	19.41	19.47	19.19		
15	64QAM	1	37	19.27	19.36	19.22	20.9	0
15	64QAM	1	74	19.34	19.35	19.23		
15	64QAM	36	0	19.40	19.35	19.20		
15	64QAM	36	20	19.30	19.48	19.15	20.9	0
15	64QAM	36	39	19.40	19.46	19.26		
15	64QAM	75	0	19.37	19.50	19.24		
15	256QAM	1	0	17.24	17.35	17.29		
15	256QAM	1	37	17.34	17.40	17.14	18.9	2
15	256QAM	1	74	17.40	17.46	17.16		
15	256QAM	36	0	17.35	17.42	17.24		
15	256QAM	36	20	17.29	17.33	17.25	18.9	2
15	256QAM	36	39	17.30	17.39	17.23		
15	256QAM	75	0	17.38	17.47	17.32		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	19.29	19.39	19.22		
10	QPSK	1	25	19.41	19.46	19.36	20.9	0
10	QPSK	1	49	19.33	19.38	19.29		
10	QPSK	25	0	19.32	19.39	19.33		
10	QPSK	25	12	19.40	19.46	19.22	20.9	0
10	QPSK	25	25	19.32	19.48	19.22		
10	QPSK	50	0	19.35	19.43	19.27		
10	16QAM	1	0	19.32	19.39	19.30		
10	16QAM	1	25	19.31	19.40	19.19	20.9	0
10	16QAM	1	49	19.35	19.33	19.26		
10	16QAM	25	0	19.34	19.42	19.23		
10	16QAM	25	12	19.41	19.39	19.27	20.9	0
10	16QAM	25	25	19.36	19.47	19.37		
10	16QAM	50	0	19.37	19.38	19.17		
10	64QAM	1	0	19.38	19.43	19.24		
10	64QAM	1	25	19.36	19.35	19.24	20.9	0
10	64QAM	1	49	19.34	19.43	19.32		
10	64QAM	25	0	19.34	19.42	19.27		
10	64QAM	25	12	19.35	19.43	19.18	20.9	0
10	64QAM	25	25	19.36	19.42	19.32		
10	64QAM	50	0	19.30	19.48	19.23		
10	256QAM	1	0	17.30	17.44	17.29		
10	256QAM	1	25	17.42	17.43	17.22	18.9	2
10	256QAM	1	49	17.32	17.41	17.20		
10	256QAM	25	0	17.37	17.44	17.27		
10	256QAM	25	12	17.31	17.34	17.31	18.9	2
10	256QAM	25	25	17.34	17.37	17.21		
10	256QAM	50	0	17.39	17.41	17.26		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	19.29	19.41	19.26		
5	QPSK	1	12	19.37	19.41	19.30	20.9	0
5	QPSK	1	24	19.28	19.43	19.24		
5	QPSK	12	0	19.32	19.37	19.29		
5	QPSK	12	7	19.35	19.48	19.21	20.9	0
5	QPSK	12	13	19.42	19.41	19.21		
5	QPSK	25	0	19.28	19.48	19.22		
5	16QAM	1	0	19.25	19.41	19.32		
5	16QAM	1	12	19.32	19.43	19.18	20.9	0
5	16QAM	1	24	19.37	19.33	19.34		
5	16QAM	12	0	19.24	19.39	19.26		
5	16QAM	12	7	19.39	19.36	19.25	20.9	0
5	16QAM	12	13	19.41	19.47	19.31		
5	16QAM	25	0	19.35	19.35	19.24		
5	64QAM	1	0	19.41	19.47	19.20		
5	64QAM	1	12	19.34	19.42	19.24	20.9	0
5	64QAM	1	24	19.32	19.40	19.29		
5	64QAM	12	0	19.39	19.35	19.22		
5	64QAM	12	7	19.36	19.49	19.22	20.9	0
5	64QAM	12	13	19.36	19.42	19.27		
5	64QAM	25	0	19.33	19.50	19.26		
5	256QAM	1	0	17.28	17.40	17.21		
5	256QAM	1	12	17.40	17.38	17.14	18.9	2
5	256QAM	1	24	17.31	17.45	17.22		
5	256QAM	12	0	17.39	17.43	17.21		
5	256QAM	12	7	17.38	17.39	17.22	18.9	2
5	256QAM	12	13	17.31	17.42	17.14		
5	256QAM	25	0	17.37	17.48	17.31		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	19.36	19.36	19.18		
3	QPSK	1	8	19.43	19.43	19.28	20.9	0
3	QPSK	1	14	19.25	19.40	19.20		
3	QPSK	8	0	19.39	19.35	19.29		
3	QPSK	8	4	19.34	19.43	19.17	20.9	0
3	QPSK	8	7	19.35	19.42	19.19		
3	QPSK	15	0	19.34	19.45	19.21		
3	16QAM	1	0	19.33	19.40	19.27		
3	16QAM	1	8	19.33	19.38	19.18	20.9	0
3	16QAM	1	14	19.37	19.30	19.31		
3	16QAM	8	0	19.29	19.48	19.21		
3	16QAM	8	4	19.40	19.43	19.24	20.9	0
3	16QAM	8	7	19.44	19.39	19.25		
3	16QAM	15	0	19.42	19.37	19.20		
3	64QAM	1	0	19.37	19.47	19.29		
3	64QAM	1	8	19.37	19.35	19.27	20.9	0
3	64QAM	1	14	19.33	19.41	19.25		
3	64QAM	8	0	19.39	19.44	19.18		
3	64QAM	8	4	19.34	19.40	19.18	20.9	0
3	64QAM	8	7	19.40	19.48	19.22		
3	64QAM	15	0	19.33	19.42	19.24		
3	256QAM	1	0	17.27	17.45	17.26		
3	256QAM	1	8	17.36	17.40	17.22	18.9	2
3	256QAM	1	14	17.37	17.44	17.22		
3	256QAM	8	0	17.35	17.44	17.19		
3	256QAM	8	4	17.28	17.36	17.24	18.9	2
3	256QAM	8	7	17.28	17.47	17.18		
3	256QAM	15	0	17.37	17.41	17.33		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.35	19.41	19.26		
1.4	QPSK	1	3	19.36	19.43	19.27		
1.4	QPSK	1	5	19.24	19.41	19.25		
1.4	QPSK	3	0	19.32	19.39	19.25	20.9	0
1.4	QPSK	3	1	19.38	19.50	19.17		
1.4	QPSK	3	3	19.36	19.46	19.26		
1.4	QPSK	6	0	19.31	19.41	19.29	20.9	0
1.4	16QAM	1	0	19.25	19.41	19.36		
1.4	16QAM	1	3	19.35	19.37	19.18		
1.4	16QAM	1	5	19.30	19.35	19.34	20.9	0
1.4	16QAM	3	0	19.27	19.49	19.29		
1.4	16QAM	3	1	19.36	19.42	19.24		
1.4	16QAM	3	3	19.40	19.45	19.29		
1.4	16QAM	6	0	19.33	19.37	19.28	20.9	0
1.4	64QAM	1	0	19.31	19.39	19.23		
1.4	64QAM	1	3	19.28	19.41	19.21		
1.4	64QAM	1	5	19.34	19.33	19.34	20.9	0
1.4	64QAM	3	0	19.32	19.46	19.21		
1.4	64QAM	3	1	19.29	19.44	19.17		
1.4	64QAM	3	3	19.32	19.47	19.31		
1.4	64QAM	6	0	19.30	19.43	19.25	20.9	0
1.4	256QAM	1	0	17.27	17.34	17.27		
1.4	256QAM	1	3	17.42	17.38	17.16		
1.4	256QAM	1	5	17.38	17.39	17.24	18.9	2
1.4	256QAM	3	0	17.39	17.49	17.24		
1.4	256QAM	3	1	17.27	17.38	17.30		
1.4	256QAM	3	3	17.30	17.42	17.25		
1.4	256QAM	6	0	17.45	17.42	17.30	18.9	2

Band 7 Ant7 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.46	18.65	18.55		
20	QPSK	1	49	18.38	18.53	18.44	19.9	0
20	QPSK	1	99	18.37	18.53	18.43		
20	QPSK	50	0	18.42	18.63	18.50		
20	QPSK	50	24	18.46	18.54	18.55	19.9	0
20	QPSK	50	50	18.39	18.62	18.54		
20	QPSK	100	0	18.45	18.53	18.51		
20	16QAM	1	0	18.39	18.57	18.51		
20	16QAM	1	49	18.38	18.62	18.45	19.9	0
20	16QAM	1	99	18.44	18.59	18.50		
20	16QAM	50	0	18.47	18.52	18.44		
20	16QAM	50	24	18.43	18.55	18.43	19.9	0
20	16QAM	50	50	18.41	18.61	18.54		
20	16QAM	100	0	18.41	18.53	18.51		
20	64QAM	1	0	18.39	18.56	18.54		
20	64QAM	1	49	18.47	18.59	18.52	19.9	0
20	64QAM	1	99	18.45	18.54	18.46		
20	64QAM	50	0	18.39	18.53	18.55		
20	64QAM	50	24	18.44	18.52	18.53	19.9	0
20	64QAM	50	50	18.40	18.62	18.54		
20	64QAM	100	0	18.41	18.60	18.53		
20	256QAM	1	0	17.00	17.11	17.03		
20	256QAM	1	49	16.82	17.00	16.99	18.4	1.5
20	256QAM	1	99	16.86	17.09	16.89		
20	256QAM	50	0	16.87	17.05	16.98		
20	256QAM	50	24	16.97	17.10	17.00	18.4	1.5
20	256QAM	50	50	16.88	17.16	17.10		
20	256QAM	100	0	16.90	17.03	16.96		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.37	18.47	18.48		
15	QPSK	1	37	18.26	18.40	18.32	19.9	0
15	QPSK	1	74	18.30	18.41	18.38		
15	QPSK	36	0	18.31	18.45	18.34		
15	QPSK	36	20	18.42	18.46	18.51	19.9	0
15	QPSK	36	39	18.27	18.50	18.38		
15	QPSK	75	0	18.31	18.43	18.38		
15	16QAM	1	0	18.35	18.41	18.39		
15	16QAM	1	37	18.24	18.52	18.39	19.9	0
15	16QAM	1	74	18.36	18.51	18.36		
15	16QAM	36	0	18.37	18.45	18.32		
15	16QAM	36	20	18.34	18.49	18.38	19.9	0
15	16QAM	36	39	18.34	18.45	18.40		
15	16QAM	75	0	18.34	18.39	18.36		
15	64QAM	1	0	18.34	18.51	18.45		
15	64QAM	1	37	18.37	18.51	18.48	19.9	0
15	64QAM	1	74	18.38	18.45	18.39		
15	64QAM	36	0	18.23	18.46	18.41		
15	64QAM	36	20	18.36	18.37	18.49	19.9	0
15	64QAM	36	39	18.26	18.48	18.41		
15	64QAM	75	0	18.26	18.45	18.39		
15	256QAM	1	0	16.88	16.98	16.87		
15	256QAM	1	37	16.76	16.94	16.89	18.4	1.5
15	256QAM	1	74	16.71	17.00	16.84		
15	256QAM	36	0	16.75	16.97	16.83		
15	256QAM	36	20	16.85	16.95	16.93	18.4	1.5
15	256QAM	36	39	16.76	17.11	17.04		
15	256QAM	75	0	16.79	16.89	16.82		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.33	18.45	18.47		
10	QPSK	1	25	18.26	18.43	18.34	19.9	0
10	QPSK	1	49	18.29	18.42	18.30		
10	QPSK	25	0	18.36	18.41	18.45		
10	QPSK	25	12	18.36	18.40	18.41	19.9	0
10	QPSK	25	25	18.29	18.52	18.48		
10	QPSK	50	0	18.36	18.47	18.39		
10	16QAM	1	0	18.24	18.49	18.41		
10	16QAM	1	25	18.25	18.50	18.34	19.9	0
10	16QAM	1	49	18.34	18.48	18.43		
10	16QAM	25	0	18.42	18.41	18.36		
10	16QAM	25	12	18.35	18.40	18.38	19.9	0
10	16QAM	25	25	18.29	18.47	18.48		
10	16QAM	50	0	18.34	18.42	18.36		
10	64QAM	1	0	18.27	18.52	18.41		
10	64QAM	1	25	18.42	18.50	18.46	19.9	0
10	64QAM	1	49	18.39	18.49	18.35		
10	64QAM	25	0	18.25	18.48	18.49		
10	64QAM	25	12	18.29	18.44	18.39	19.9	0
10	64QAM	25	25	18.25	18.46	18.44		
10	64QAM	50	0	18.28	18.48	18.41		
10	256QAM	1	0	16.84	17.03	16.97		
10	256QAM	1	25	16.68	16.90	16.92	18.4	1.5
10	256QAM	1	49	16.79	17.05	16.73		
10	256QAM	25	0	16.79	16.93	16.88		
10	256QAM	25	12	16.89	17.00	16.89	18.4	1.5
10	256QAM	25	25	16.81	17.11	17.06		
10	256QAM	50	0	16.85	16.88	16.86		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.34	18.43	18.50		
5	QPSK	1	12	18.32	18.41	18.33	19.9	0
5	QPSK	1	24	18.32	18.37	18.34		
5	QPSK	12	0	18.35	18.45	18.35		
5	QPSK	12	7	18.39	18.48	18.40	19.9	0
5	QPSK	12	13	18.28	18.48	18.48		
5	QPSK	25	0	18.38	18.40	18.39		
5	16QAM	1	0	18.29	18.48	18.43		
5	16QAM	1	12	18.27	18.47	18.33	19.9	0
5	16QAM	1	24	18.36	18.43	18.39		
5	16QAM	12	0	18.33	18.46	18.34		
5	16QAM	12	7	18.29	18.49	18.32	19.9	0
5	16QAM	12	13	18.35	18.51	18.41		
5	16QAM	25	0	18.30	18.40	18.46		
5	64QAM	1	0	18.33	18.51	18.38		
5	64QAM	1	12	18.31	18.52	18.39	19.9	0
5	64QAM	1	24	18.37	18.47	18.33		
5	64QAM	12	0	18.34	18.42	18.51		
5	64QAM	12	7	18.33	18.38	18.41	19.9	0
5	64QAM	12	13	18.26	18.53	18.48		
5	64QAM	25	0	18.37	18.54	18.48		
5	256QAM	1	0	16.91	17.05	16.89		
5	256QAM	1	12	16.71	16.96	16.92	18.4	1.5
5	256QAM	1	24	16.78	17.05	16.84		
5	256QAM	12	0	16.77	16.99	16.89		
5	256QAM	12	7	16.85	17.04	16.93	18.4	1.5
5	256QAM	12	13	16.73	17.12	16.97		
5	256QAM	25	0	16.79	16.93	16.88		

Band 66 Ant7 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	18.83	18.99	18.94		
20	QPSK	1	49	18.90	18.87	18.94	20.5	0
20	QPSK	1	99	18.86	18.88	18.91		
20	QPSK	50	0	18.84	18.95	18.87		
20	QPSK	50	24	18.84	18.90	18.88	20.5	0
20	QPSK	50	50	18.88	18.92	18.91		
20	QPSK	100	0	18.82	18.94	18.91		
20	16QAM	1	0	18.88	18.97	18.95		
20	16QAM	1	49	18.88	18.86	18.89	20.5	0
20	16QAM	1	99	18.87	18.89	18.91		
20	16QAM	50	0	18.82	18.90	18.91		
20	16QAM	50	24	18.91	18.96	18.85	20.5	0
20	16QAM	50	50	18.89	18.88	18.93		
20	16QAM	100	0	18.86	18.87	18.93		
20	64QAM	1	0	18.81	18.91	18.91		
20	64QAM	1	49	18.85	18.90	18.88	20.5	0
20	64QAM	1	99	18.89	18.85	18.92		
20	64QAM	50	0	18.91	18.85	18.88		
20	64QAM	50	24	18.90	18.95	18.96	20.5	0
20	64QAM	50	50	18.92	18.92	18.85		
20	64QAM	100	0	18.81	18.92	18.95		
20	256QAM	1	0	17.38	17.39	17.39		
20	256QAM	1	49	17.38	17.33	17.47	19	1.5
20	256QAM	1	99	17.41	17.44	17.37		
20	256QAM	50	0	17.32	17.43	17.34		
20	256QAM	50	24	17.32	17.44	17.42	19	1.5
20	256QAM	50	50	17.40	17.41	17.38		
20	256QAM	100	0	17.35	17.40	17.36		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.70	18.83	18.83		
15	QPSK	1	37	18.82	18.73	18.90	20.5	0
15	QPSK	1	74	18.76	18.77	18.85		
15	QPSK	36	0	18.77	18.77	18.75		
15	QPSK	36	20	18.75	18.86	18.83	20.5	0
15	QPSK	36	39	18.82	18.86	18.76		
15	QPSK	75	0	18.75	18.87	18.82		
15	16QAM	1	0	18.77	18.90	18.88		
15	16QAM	1	37	18.80	18.78	18.82	20.5	0
15	16QAM	1	74	18.73	18.83	18.72		
15	16QAM	36	0	18.74	18.83	18.83		
15	16QAM	36	20	18.83	18.85	18.73	20.5	0
15	16QAM	36	39	18.80	18.79	18.78		
15	16QAM	75	0	18.78	18.76	18.80		
15	64QAM	1	0	18.73	18.81	18.79		
15	64QAM	1	37	18.71	18.80	18.80	20.5	0
15	64QAM	1	74	18.75	18.73	18.83		
15	64QAM	36	0	18.81	18.69	18.75		
15	64QAM	36	20	18.84	18.80	18.88	20.5	0
15	64QAM	36	39	18.86	18.82	18.76		
15	64QAM	75	0	18.74	18.79	18.86		
15	256QAM	1	0	17.28	17.27	17.26		
15	256QAM	1	37	17.23	17.28	17.39	19	1.5
15	256QAM	1	74	17.27	17.36	17.32		
15	256QAM	36	0	17.26	17.30	17.23		
15	256QAM	36	20	17.26	17.33	17.36	19	1.5
15	256QAM	36	39	17.25	17.31	17.27		
15	256QAM	75	0	17.26	17.32	17.25		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.71	18.86	18.87		
10	QPSK	1	25	18.78	18.76	18.84	20.5	0
10	QPSK	1	49	18.79	18.77	18.86		
10	QPSK	25	0	18.69	18.75	18.74		
10	QPSK	25	12	18.76	18.85	18.79	20.5	0
10	QPSK	25	25	18.73	18.82	18.80		
10	QPSK	50	0	18.76	18.80	18.77		
10	16QAM	1	0	18.74	18.93	18.79		
10	16QAM	1	25	18.80	18.81	18.74	20.5	0
10	16QAM	1

Band 38 Ant7 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.83	21.01	20.92	22.1	0
20	QPSK	1	49	20.87	20.94	20.95		
20	QPSK	1	99	20.85	20.90	20.85		
20	QPSK	50	0	20.84	20.90	20.89	22.1	0
20	QPSK	50	24	20.85	20.95	20.88		
20	QPSK	50	50	20.83	20.95	20.89		
20	QPSK	100	0	20.86	20.89	20.84		
20	16QAM	1	0	20.84	20.95	20.83	22.1	0
20	16QAM	1	49	20.93	20.89	20.85		
20	16QAM	1	99	20.90	20.96	20.85		
20	16QAM	50	0	20.34	20.52	20.42	21.6	0.5
20	16QAM	50	24	20.35	20.50	20.40		
20	16QAM	50	50	20.34	20.43	20.31		
20	16QAM	100	0	20.38	20.43	20.36		
20	64QAM	1	0	20.34	20.40	20.36	21.6	0.5
20	64QAM	1	49	20.33	20.50	20.39		
20	64QAM	1	99	20.32	20.36	20.38		
20	64QAM	50	0	19.29	19.53	19.40	20.6	1.5
20	64QAM	50	24	19.41	19.46	19.41		
20	64QAM	50	50	19.37	19.46	19.37		
20	64QAM	100	0	19.35	19.45	19.36		
20	256QAM	1	0	17.34	17.52	17.43	18.6	3.5
20	256QAM	1	49	17.39	17.46	17.46		
20	256QAM	1	99	17.36	17.40	17.29		
20	256QAM	50	0	17.35	17.41	17.34	18.6	3.5
20	256QAM	50	24	17.38	17.49	17.37		
20	256QAM	50	50	17.38	17.40	17.44		
20	256QAM	100	0	17.30	17.34	17.30		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	20.77	20.90	20.86	22.1	0
15	QPSK	1	37	20.74	20.87	20.82		
15	QPSK	1	74	20.82	20.82	20.78		
15	QPSK	36	0	20.72	20.89	20.76	22.1	0
15	QPSK	36	20	20.76	20.83	20.75		
15	QPSK	36	39	20.71	20.90	20.82		
15	QPSK	75	0	20.76	20.85	20.76		
15	16QAM	1	0	20.77	20.88	20.71	22.1	0
15	16QAM	1	37	20.90	20.86	20.71		
15	16QAM	1	74	20.85	20.85	20.74		
15	16QAM	36	0	20.27	20.41	20.30	21.6	0.5
15	16QAM	36	20	20.29	20.45	20.32		
15	16QAM	36	39	20.29	20.41	20.24		
15	16QAM	75	0	20.24	20.32	20.30		
15	64QAM	1	0	20.31	20.33	20.25	21.6	0.5
15	64QAM	1	37	20.26	20.46	20.30		
15	64QAM	1	74	20.24	20.27	20.32		
15	64QAM	36	0	19.19	19.47	19.35	20.6	1.5
15	64QAM	36	20	19.37	19.32	19.32		
15	64QAM	36	39	19.26	19.41	19.25		
15	64QAM	75	0	19.29	19.42	19.24		
15	256QAM	1	0	17.28	17.43	17.30	18.6	3.5
15	256QAM	1	37	17.25	17.38	17.38		
15	256QAM	1	74	17.25	17.26	17.26		
15	256QAM	36	0	17.32	17.34	17.27	18.6	3.5
15	256QAM	36	20	17.33	17.46	17.30		
15	256QAM	36	39	17.26	17.32	17.36		
15	256QAM	75	0	17.27	17.20	17.25		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	20.76	20.91	20.86	22.1	0
10	QPSK	1	25	20.80	20.85	20.93		
10	QPSK	1	49	20.80	20.86	20.81		
10	QPSK	25	0	20.77	20.86	20.82	22.1	0
10	QPSK	25	12	20.79	20.89	20.79		
10	QPSK	25	25	20.72	20.85	20.75		
10	QPSK	50	0	20.76	20.80	20.79		
10	16QAM	1	0	20.75	20.81	20.71	22.1	0
10	16QAM	1	25	20.80	20.78	20.81		
10	16QAM	1	49	20.78	20.83	20.75		
10	16QAM	25	0	20.31	20.39	20.34	21.6	0.5
10	16QAM	25	12	20.29	20.47	20.28		
10	16QAM	25	25	20.23	20.34	20.28		
10	16QAM	50	0	20.31	20.31	20.24		
10	64QAM	1	0	20.27	20.29	20.26	21.6	0.5
10	64QAM	1	25	20.25	20.37	20.32		
10	64QAM	1	49	20.18	20.29	20.35		
10	64QAM	25	0	19.25	19.39	19.27	20.6	1.5
10	64QAM	25	12	19.36	19.38	19.29		
10	64QAM	25	25	19.23	19.42	19.32		
10	64QAM	50	0	19.32	19.42	19.34		
10	256QAM	1	0	17.21	17.47	17.32	18.6	3.5
10	256QAM	1	25	17.28	17.44	17.33		
10	256QAM	1	49	17.33	17.37	17.23		
10	256QAM	25	0	17.32	17.35	17.31	18.6	3.5
10	256QAM	25	12	17.27	17.43	17.29		
10	256QAM	25	25	17.36	17.27	17.35		
10	256QAM	50	0	17.21	17.25	17.21		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	20.70	20.96	20.80	22.1	0
5	QPSK	1	12	20.80	20.90	20.91		
5	QPSK	1	24	20.79	20.80	20.77		
5	QPSK	12	0	20.77	20.93	20.83	22.1	0
5	QPSK	12	7	20.73	20.87	20.82		
5	QPSK	12	13	20.81	20.88	20.75		
5	QPSK	25	0	20.84	20.79	20.75		
5	16QAM	1	0	20.73	20.91	20.78	22.1	0
5	16QAM	1	12	20.81	20.78	20.81		
5	16QAM	1	24	20.87	20.94	20.82		
5	16QAM	12	0	20.22	20.49	20.30	21.6	0.5
5	16QAM	12	7	20.22	20.45	20.38		
5	16QAM	12	13	20.31	20.41	20.25		
5	16QAM	25	0	20.34	20.39	20.28		
5	64QAM	1	0	20.28	20.27	20.24	21.6	0.5
5	64QAM	1	12	20.21	20.46	20.29		
5	64QAM	1	24	20.23	20.29	20.26		
5	64QAM	12	0	19.24	19.50	19.31	20.6	1.5
5	64QAM	12	7	19.35	19.40	19.31		
5	64QAM	12	13	19.26	19.43	19.31		
5	64QAM	25	0	19.32	19.36	19.31		
5	256QAM	1	0	17.23	17.39	17.33	18.6	3.5
5	256QAM	1	12	17.26	17.34	17.37		
5	256QAM	1	24	17.30	17.30	17.17		
5	256QAM	12	0	17.22	17.33	17.29	18.6	3.5
5	256QAM	12	7	17.34	17.39	17.29		
5	256QAM	12	13	17.28	17.34	17.38		
5	256QAM	25	0	17.22	17.23	17.20		

Band 41 Ant7 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.81	20.79	20.91	20.78	20.75	22.1	0
20	QPSK	1	49	20.72	20.73	20.82	20.71	20.73		
20	QPSK	1	99	20.72	20.83	20.78	20.72	20.77		
20	QPSK	50	0	20.80	20.84	20.89	20.76	20.70	22.1	0
20	QPSK	50	24	20.72	20.73	20.77	20.78	20.71		
20	QPSK	50	50	20.73	20.83	20.87	20.82	20.74		
20	QPSK	100	0	20.73	20.82	20.86	20.78	20.76		
20	16QAM	1	0	20.80	20.73	20.79	20.80	20.67	22.1	0
20	16QAM	1	49	20.80	20.78	20.84	20.80	20.68		
20	16QAM	1	99	20.75	20.73	20.82	20.82	20.68		
20	16QAM	50	0	20.29	20.24	20.46	20.24	20.25	21.6	0.5
20	16QAM	50	24	20.26	20.23	20.29	20.16	20.22		
20	16QAM	50	50	20.21	20.36	20.27	20.24	20.30		
20	16QAM	100	0	20.31	20.30	20.44	20.25	20.20		
20	64QAM	1	0	20.21	20.23	20.25	20.26	20.21	21.6	0.5
20	64QAM	1	49	20.26	20.36	20.40	20.33	20.20		
20	64QAM	1	99	20.18	20.29	20.36	20.25	20.28		
20	64QAM	50	0	19.36	19.23	19.35	19.27	19.21	20.6	1.5
20	64QAM	50	24	19.24	19.21	19.33	19.18	19.20		
20	64QAM	50	50	19.27	19.27	19.26	19.16	19.27		
20	64QAM	100	0	19.30	19.34	19.42	19.24	19.21		
20	256QAM	1	0	17.31	17.29	17.43	17.23	17.23	18.6	3.5
20	256QAM	1	49	17.23	17.21	17.31	17.19	17.28		
20	256QAM	1	99	17.24	17.30	17.29	17.21	17.30		
20	256QAM	50	0	17.34	17.30	17.44	17.23	17.18	18.6	3.5
20	256QAM	50	24	17.23	17.19	17.22	17.31	17.26		
20	256QAM	50	50	17.27	17.33	17.35	17.37	17.30		
20	256QAM	100	0	17.21	17.33	17.37	17.30	17.31		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.68	20.65	20.87	20.69	20.68	22	0
15	QPSK	1	37	20.58	20.70	20.72	20.59	20.64		
15	QPSK	1	74	20.63	20.74	20.65	20.68	20.73		
15	QPSK	36	0	20.68	20.80	20.77	20.67	20.59	22.1	0
15	QPSK	36	20	20.63	20.65	20.73	20.71	20.69		
15	QPSK	36	39	20.62	20.81	20.73	20.75	20.64		
15	QPSK	75	0	20.64	20.74	20.83	20.66	20.69		
15	16QAM	1	0	20.72	20.64	20.68	20.70	20.57	22.1	0
15	16QAM	1	37	20.77	20.73	20.75	20.76	20.61		
15	16QAM	1	74	20.65	20.60	20.80	20.69	20.56		
15	16QAM	36	0	20.16	20.12	20.43	20.21	20.14	21.6	0.5
15	16QAM	36	20	20.20	20.10	20.15	20.06	20.09		
15	16QAM	36	39	20.09	20.25	20.23	20.14	20.23		
15	16QAM	75	0	20.22	20.18	20.40	20.16	20.07		
15	64QAM	1	0	20.10	20.16	20.12	20.18	20.13	21.6	0.5
15	64QAM	1	37	20.13	20.28	20.36	20.22	20.17		
15	64QAM	1	74	20.07	20.22	20.31	20.19	20.23		
15	64QAM	36	0	19.25	19.19	19.32	19.21	19.18	20.6	1.5
15	64QAM	36	20	19.13	19.11	19.31	19.12	19.07		
15	64QAM	36	39	19.16	19.15	19.16	19.04	19.17		
15	64QAM	75	0	19.24	19.22	19.29	19.10	19.16		
15	256QAM	1	0	17.18	17.19	17.31	17.10	17.15	18.6	3.5
15	256QAM	1	37	17.12	17.16	17.28	17.10	17.23		
15	256QAM	1	74	17.11	17.22	17.16	17.17	17.25		
15	256QAM	36	0	17.25	17.25	17.33	17.21	17.04	18.6	3.5
15	256QAM	36	20	17.20	17.11	17.16	17.19	17.23		
15	256QAM	36	39	17.18	17.26	17.27	17.24	17.18		
15	256QAM	75	0	17.11	17.23	17.35	17.27	17.18		
Channel				39700	40100	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.67	20.75	20.77	20.71	20.65	22	0
10	QPSK	1	25	20.67	20.63	20.71	20.64	20.64		
10	QPSK	1	49	20.69	20.76	20.73	20.70	20.75		
10	QPSK	25	0	20.77	20.79	20.83	20.73	20.68	22.1	0
10	QPSK	25	12	20.69	20.60	20.67	20.72	20.67		
10	QPSK	25	25	20.63	20.70	20.75	20.76	20.64		
10	QPSK	50	0	20.62	20.76	20.74	20.70	20.73		
10	16QAM	1	0	20.78	20.64	20.76	20.73	20.56	22.1	0
10	16QAM	1	25	20.69	20.76	20.77	20.71	20.63		
10	16QAM	1	49	20.63	20.59	20.79	20.78	20.60		
10	16QAM	25	0	20.21	20.13	20.38	20.15	20.18	21.6	0.5
10	16QAM	25	12	20.15	20.12	20.16	20.13	20.18		
10	16QAM	25	25	20.16	20.32	20.24	20.11	20.26		
10	16QAM	50	0	20.17	20.20	20.37	20.11	20.16		
10	64QAM	1	0	20.11	20.14	20.15	20.22	20.17	21.6	0.5
10	64QAM	1	25	20.16	20.23	20.30	20.21	20.13		
10	64QAM	1	49	20.09	20.22	20.22	20.15	20.14		
10	64QAM	25	0	19.27	19.11	19.27	19.22	19.13	20.6	1.5
10	64QAM	25	12	19.20	19.18	19.25	19.15	19.10		
10	64QAM	25	25	19.15	19.25	19.14	19.11	19.20		
10	64QAM	50	0	19.19	19.22	19.35	19.18	19.16		
10	256QAM	1	0	17.19	17.18	17.34	17.12	17.10	18.6	3.5
10	256QAM	1	25	17.15	17.18	17.19	17.11	17.15		
10	256QAM	1	49	17.15	17.20	17.20	17.12	17.24		
10	256QAM	25	0	17.31	17.16	17.36	17.11	17.06	18.6	3.5
10	256QAM	25	12	17.21	17.07	17.14	17.21	17.21		
10	256QAM	25	25	17.20	17.29	17.33	17.24	17.26		
10	256QAM	50	0	17.19	17.27	17.32	17.19	17.27		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.69	20.68	20.89	20.75	20.67	22	0
5	QPSK	1	12	20.60	20.70	20.78	20.58	20.64		
5	QPSK	1	24	20.65	20.76	20.66	20.66	20.69		
5	QPSK	12	0	20.68	20.79	20.85	20.68	20.64	22.1	0
5	QPSK	12	7	20.59	20.69	20.63	20.67	20.65		
5	QPSK	12	13	20.67	20.78	20.78	20.75	20.60		
5	QPSK	25	0	20.66	20.68	20.77	20.70	20.72		
5	16QAM	1	0	20.68	20.65	20.70	20.68	20.62	22.1	0
5	16QAM	1	12	20.66	20.72	20.73	20.72	20.58		
5	16QAM	1	24	20.71	20.67	20.71	20.76	20.63		
5	16QAM	12	0	20.15	20.14	20.35	20.13	20.22	21.6	0.5
5	16QAM	12	7	20.15	20.14	20.22	20.11	20.09		
5	16QAM	12	13	20.14	20.25	20.25	20.15	20.25		
5	16QAM	25	0	20.18	20.18	20.38	20.23	20.06		
5	64QAM	1	0	20.14	20.17	20.23	20.14	20.13	21.6	0.5
5	64QAM	1	12	20.18	20.23	20.30	20.21	20.16		
5	64QAM	1	24	20.06	20.23	20.29	20.17	20.15		
5	64QAM	12	0	19.27	19.16	19.31	19.13	19.15	20.6	1.5
5	64QAM	12	7	19.12	19.17	19.24	19.10	19.12		
5	64QAM	12	13	19.15	19.13	19.23	19.08	19.15		
5	64QAM	25	0	19.22	19.26	19.33	19.14	19.15	18.6	3.5
5	256QAM	1	0	17.27	17.25	17.38	17.19	17.13		
5	256QAM	1	12	17.12	17.15	17.17	17.12	17.14		
5	256QAM	1	24	17.19	17.26	17.18	17.09	17.20		
5	256QAM	12	0	17.28	17.25	17.41	17.10	17.11	18.6	3.5
5	256QAM	12	7	17.19	17.11	17.19	17.25	17.20		
5	256QAM	12	13	17.18	17.25	17.32	17.25	17.23		
5	256QAM	25	0	17.17	17.27	17.32	17.20	17.20		

Band 42 Ant10 DSI 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.51	22.59	22.54	23.7	0
20	QPSK	1	49	22.49	22.50	22.51		
20	QPSK	1	99	22.56	22.51	22.53		
20	QPSK	50	0	22.52	22.56	22.46	23.7	0
20	QPSK	50	24	22.55	22.54	22.54		
20	QPSK	50	50	22.51	22.49	22.46		
20	QPSK	100	0	22.54	22.57	22.46		
20	16QAM	1	0	22.57	22.56	22.49	23.7	0
20	16QAM	1	49	22.49	22.54	22.52		
20	16QAM	1	99	22.49	22.55	22.49		
20	16QAM	50	0	21.45	21.63	21.55	22.7	1
20	16QAM	50	24	21.53	21.53	21.51		
20	16QAM	50	50	21.52	21.57	21.56		
20	16QAM	100	0	21.47	21.62	21.50		
20	64QAM	1	0	21.48	21.58	21.59	22.7	1
20	64QAM	1	49	21.52	21.57	21.57		
20	64QAM	1	99	21.46	21.55	21.58		
20	64QAM	50	0	20.54	20.57	20.58	21.7	2
20	64QAM	50	24	20.50	20.61	20.54		
20	64QAM	50	50	20.57	20.62	20.56		
20	64QAM	100	0	20.50	20.54	20.57		
20	256QAM	1	0	18.47	18.54	18.59	19.7	4
20	256QAM	1	49	18.53	18.52	18.57		
20	256QAM	1	99	18.49	18.55	18.49		
20	256QAM	50	0	18.47	18.58	18.49	19.7	4
20	256QAM	50	24	18.47	18.51	18.57		
20	256QAM	50	50	18.51	18.56	18.56		
20	256QAM	100	0	18.51	18.53	18.53		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	22.39	22.46	22.38	23.7	0
15	QPSK	1	37	22.41	22.40	22.44		
15	QPSK	1	74	22.51	22.44	22.45		
15	QPSK	36	0	22.46	22.42	22.40	23.7	0
15	QPSK	36	20	22.41	22.43	22.47		
15	QPSK	36	39	22.40	22.38	22.36		
15	QPSK	75	0	22.42	22.43	22.37		
15	16QAM	1	0	22.51	22.40	22.42	23.7	0
15	16QAM	1	37	22.35	22.39	22.37		
15	16QAM	1	74	22.37	22.43	22.44		
15	16QAM	36	0	21.36	21.47	21.44	22.7	1
15	16QAM	36	20	21.40	21.44	21.46		
15	16QAM	36	39	21.38	21.51	21.45		
15	16QAM	75	0	21.40	21.48	21.41		
15	64QAM	1	0	21.37	21.48	21.51	22.7	1
15	64QAM	1	37	21.45	21.53	21.45		
15	64QAM	1	74	21.31	21.49	21.53		
15	64QAM	36	0	20.45	20.46	20.44	21.7	2
15	64QAM	36	20	20.39	20.53	20.43		
15	64QAM	36	39	20.49	20.52	20.46		
15	64QAM	75	0	20.44	20.43	20.51		
15	256QAM	1	0	18.42	18.39	18.47	19.7	4
15	256QAM	1	37	18.45	18.42	18.49		
15	256QAM	1	74	18.39	18.44	18.36		
15	256QAM	36	0	18.40	18.46	18.44	19.7	4
15	256QAM	36	20	18.42	18.41	18.46		
15	256QAM	36	39	18.44	18.51	18.48		
15	256QAM	75	0	18.44	18.40	18.47		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	22.42	22.49	22.43	23.7	0
10	QPSK	1	25	22.43	22.38	22.39		
10	QPSK	1	49	22.51	22.36	22.40		
10	QPSK	25	0	22.45	22.40	22.35	23.7	0
10	QPSK	25	12	22.48	22.45	22.38		
10	QPSK	25	25	22.40	22.38	22.35		
10	QPSK	50	0	22.46	22.41	22.41		
10	16QAM	1	0	22.47	22.46	22.39	23.7	0
10	16QAM	1	25	22.41	22.46	22.46		
10	16QAM	1	49	22.40	22.48	22.33		
10	16QAM	25	0	21.33	21.54	21.51	22.7	1
10	16QAM	25	12	21.39	21.39	21.42		
10	16QAM	25	25	21.37	21.43	21.50		
10	16QAM	50	0	21.34	21.51	21.42		
10	64QAM	1	0	21.33	21.47	21.55	22.7	1
10	64QAM	1	25	21.43	21.45	21.44		
10	64QAM	1	49	21.39	21.47	21.43		
10	64QAM	25	0	20.47	20.41	20.51	21.7	2
10	64QAM	25	12	20.39	20.50	20.39		
10	64QAM	25	25	20.47	20.57	20.51		
10	64QAM	50	0	20.35	20.49	20.46		
10	256QAM	1	0	18.43	18.39	18.52	19.7	4
10	256QAM	1	25	18.38	18.40	18.43		
10	256QAM	1	49	18.34	18.42	18.33		
10	256QAM	25	0	18.35	18.51	18.34	19.7	4
10	256QAM	25	12	18.31	18.41	18.49		
10	256QAM	25	25	18.45	18.41	18.52		
10	256QAM	50	0	18.38	18.44	18.48		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	22.39	22.51	22.43	23.7	0
5	QPSK	1	12	22.41	22.37	22.44		
5	QPSK	1	24	22.48	22.45	22.40		
5	QPSK	12	0	22.46	22.50	22.42	23.7	0
5	QPSK	12	7	22.41	22.45	22.43		
5	QPSK	12	13	22.42	22.38	22.42		
5	QPSK	25	0	22.40	22.50	22.30		
5	16QAM	1	0	22.49	22.43	22.44	23.7	0
5	16QAM	1	12	22.43	22.46	22.45		
5	16QAM	1	24	22.37	22.43	22.34		
5	16QAM	12	0	21.32	21.51	21.44	22.7	1
5	16QAM	12	7	21.43	21.40	21.44		
5	16QAM	12	13	21.47	21.50	21.44		
5	16QAM	25	0	21.33	21.56	21.41		
5	64QAM	1	0	21.44	21.52	21.51	22.7	1
5	64QAM	1	12	21.41	21.51	21.47		
5	64QAM	1	24	21.41	21.49	21.50		
5	64QAM	12	0	20.43	20.42	20.43	21.7	2
5	64QAM	12	7	20.46	20.49	20.39		
5	64QAM	12	13	20.52	20.49	20.49		
5	64QAM	25	0	20.41	20.45	20.48		
5	256QAM	1	0	18.33	18.48	18.43	19.7	4
5	256QAM	1	12	18.44	18.43	18.44		
5	256QAM	1	24	18.36	18.42	18.36		
5	256QAM	12	0	18.42	18.54	18.42	19.7	4
5	256QAM	12	7	18.39	18.42	18.42		
5	256QAM	12	13	18.38	18.50	18.50		
5	256QAM	25	0	18.47	18.39	18.42		