

Full & Default Power Mode

OSM850_Ant_13	Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel	128	169	251	Limit	128	169	251	Limit
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	32.58	32.60	32.53	33.50	23.58	23.60	23.53	24.50
GPRS 1 Tx slot	32.41	32.48	32.47	33.50	23.41	23.48	23.47	24.50
GPRS 2 Tx slots	30.57	30.60	30.59	31.50	24.57	24.60	24.59	25.50
GPRS 3 Tx slots	28.71	28.77	28.73	29.50	24.45	24.51	24.47	25.24
GPRS 4 Tx slots	26.59	26.68	26.67	27.50	23.59	23.68	23.67	24.50
EDGE 1 Tx slot	25.29	25.87	25.71	27.00	16.29	16.87	16.71	18.00
EDGE 2 Tx slots	24.14	24.80	24.60	25.50	18.14	18.80	18.60	19.50
EDGE 3 Tx slots	21.54	22.16	22.03	23.00	17.28	17.90	17.77	18.74
EDGE 4 Tx slots	19.32	19.70	19.55	20.50	16.32	16.70	16.55	17.50

GSM1900_Ant 13 Tx Channel	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit	
	512	661	810	512	661	810	512	661	810
Frequency (MHz)	1520.2	1530	1540.8		1520.2	1530	1540.8		
GSM 1 Tx slot	29.90	29.74	29.87	31.00	20.90	20.74	20.87	22.00	
GPRS 1 Tx slot	29.94	29.80	29.91	31.00	20.94	20.80	20.91	22.00	
GPRS 2 Tx slots	27.95	27.98	27.81	28.50	21.95	21.98	21.81	22.50	
GPRS 3 Tx slots	25.92	25.96	25.71	26.50	21.66	21.70	21.45	22.24	
GPRS 4 Tx slots	23.95	23.97	23.76	24.50	20.95	20.97	20.76	21.50	
EDGE 1 Tx slot	26.95	26.85	26.98	27.50	17.95	17.85	16.98	18.50	
EDGE 2 Tx slots	25.25	25.13	24.36	25.50	19.25	19.13	18.36	19.50	
EDGE 3 Tx slots	22.36	22.44	21.76	23.50	16.10	16.16	17.50	18.24	
EDGE 4 Tx slots	20.21	19.97	19.68	21.50	17.21	16.97	16.68	18.50	

Band		WCDMA 8_Ant 13				Tune-up Limit (dBm)	WCDMA 8_Ant 31				Tune-up Limit (dBm)
		TX Channel	9262	9400	9538		TX Channel	9262	9400	9538	
Rx Channel		9662	9800	9938	9662	9800	9938	9662	9800	9938	
Frequency (MHz)		1852.4	1860	1907.6	1852.4	1860	1907.6	1852.4	1860	1907.6	
3GPP Rel 99	AMR 12.2Kbps	24.25	24.19	24.14	25.00	24.07	24.13	24.08	25.00		
3GPP Rel 99	AMR 12.2Kbps	24.30	24.33	24.16	25.00	24.11	24.16	24.13	25.00		
3GPP Rel 6	HSDDPA Subtest-1	23.28	22.93	23.15	24.00	23.53	23.35	23.66	24.00		
3GPP Rel 6	HSDDPA Subtest-2	22.84	22.56	22.69	23.50	23.25	23.03	23.27	23.50		
3GPP Rel 6	HSDDPA Subtest-3	21.98	21.76	21.96	23.00	22.47	22.23	22.38	23.00		
3GPP Rel 6	HSDDPA Subtest-4	22.54	22.33	22.57	23.50	23.06	22.85	22.87	23.50		
3GPP Rel 6	DC-HSDSPA Subtest-1	22.97	22.77	22.91	24.00	23.28	23.18	23.50	24.00		
3GPP Rel 6	DC-HSDSPA Subtest-2	22.61	22.36	22.58	23.50	23.08	22.78	23.03	23.50		
3GPP Rel 6	DC-HSDSPA Subtest-3	21.87	21.65	21.78	23.00	22.22	22.02	22.19	23.00		
3GPP Rel 6	DC-HSDSPA Subtest-4	22.39	22.21	22.36	23.50	22.87	22.68	22.78	23.50		
3GPP Rel 6	HSUPA Subtest-1	20.45	20.44	20.42	21.50	20.80	20.82	21.09	21.50		
3GPP Rel 6	HSUPA Subtest-2	21.22	21.25	21.12	22.50	21.68	21.73	21.76	22.50		
3GPP Rel 6	HSUPA Subtest-3	21.13	21.14	21.12	22.50	21.66	21.68	21.75	22.50		
3GPP Rel 6	HSUPA Subtest-4	21.42	21.29	21.35	22.50	21.67	21.81	22.00	22.50		
3GPP Rel 6	HSUPA Subtest-5	22.82	22.98	22.87	24.00	23.70	23.50	23.80	24.00		
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.94	21.97	21.95	23.50	22.72	22.80	22.70	23.50		

Band		WCDMA V_Ant 13			Tune-up Limit (dBm)	WCDMA V_Ant 31			Tune-up Limit (dBm)
TX Channel		4132	4182	4233		4132 4182 4233			
Rx Channel		4357	4407	4458	4357 4407 4458				
Frequency (MHz)		826.4	836.4	846.6	826.4 836.4 846.6				
3GPP Rel 99	AMR 12.2Kbps	23.92	23.91	23.72	25.00	24.02	24.12	24.04	25.00
3GPP Rel 99	AMR 12.2Kbps	23.94	23.97	23.85	25.00	24.12	24.15	24.11	25.00
3GPP Rel 6	HSUPA Subtest-1	22.39	22.40	22.22	24.00	23.21	23.10	23.22	24.00
3GPP Rel 6	HSUPA Subtest-2	22.19	22.08	21.90	23.00	22.75	22.86	22.90	23.00
3GPP Rel 6	HSUPA Subtest-3	21.72	21.70	21.52	23.00	22.48	22.54	22.58	23.00
3GPP Rel 6	HSUPA Subtest-4	21.58	21.61	21.42	23.00	22.40	22.45	22.34	23.00
3GPP Rel 6	DC-HSDPA Subtest-1	22.31	22.19	22.00	24.00	22.99	22.84	23.01	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.07	21.79	21.76	23.00	22.54	22.61	22.74	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	21.61	21.46	21.32	23.00	22.27	22.29	22.39	23.00
3GPP Rel 6	DC-HSDPA Subtest-4	21.36	21.40	21.27	23.00	22.21	22.21	22.17	23.00
3GPP Rel 6	HSUPA Subtest-1	20.46	20.29	20.31	21.50	21.40	21.27	21.31	21.50
3GPP Rel 6	HSUPA Subtest-2	21.01	20.86	20.81	22.00	21.87	21.72	21.64	22.00
3GPP Rel 6	HSUPA Subtest-3	21.23	21.07	20.73	22.00	21.88	21.53	21.69	22.00
3GPP Rel 6	HSUPA Subtest-4	20.81	20.65	20.60	21.50	21.48	21.45	21.48	21.50
3GPP Rel 6	HSUPA Subtest-5	22.79	22.68	22.68	24.00	23.56	23.60	23.56	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.98	21.93	21.96	23.50	23.04	22.94	22.91	23.50

GSM850_Ant 31	Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit (dBm)	
	Tx Channel	128	169		251	128	169		251
Frequency (MHz)		824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot		32.67	32.72	32.69	33.50	23.67	23.72	23.69	24.50
GPRS 1 Tx slot		32.58	32.70	32.68	33.50	23.58	23.70	23.68	24.50
GPRS 2 Tx slots		30.43	30.63	30.69	31.50	24.43	24.63	24.69	25.50
GPRS 3 Tx slots		28.65	28.82	28.81	29.50	24.30	24.50	24.55	25.24
GPRS 4 Tx slots		26.54	26.77	26.70	27.50	23.54	23.77	23.70	24.50
EDGE 1 Tx slot		25.26	25.42	25.55	27.00	16.26	16.42	16.55	18.00
EDGE 2 Tx slots		24.06	24.61	24.57	25.50	18.06	18.61	18.57	19.50
EDGE 3 Tx slots		21.51	21.92	22.16	23.00	17.25	17.68	17.80	18.74
EDGE 4 Tx slots		19.05	19.41	19.52	20.50	16.05	16.41	16.52	17.50

GSM1900_Ant 31	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
TX Channel	512	661	810	dBm	512	661	810	dBm
Frequency (MHz)	1520.2	1530.2	1540.3	dBm	1520.2	1530.2	1540.3	dBm
GSM 1 Tx slot	29.65	29.67	29.60	31.00	20.65	20.67	20.60	22.00
GPRS 1 Tx slot	29.66	29.70	29.62	31.00	20.66	20.70	20.62	22.00
GPRS 2 Tx slots	27.86	27.96	27.90	28.50	21.86	21.96	21.90	22.50
GPRS 3 Tx slots	25.93	25.95	25.92	26.50	21.67	21.69	21.66	22.24
GPRS 4 Tx slots	23.92	23.96	23.93	24.50	20.92	20.96	20.93	21.50
EDGE 1 Tx slot	26.93	26.95	26.92	27.50	17.93	17.95	17.92	18.50
EDGE 2 Tx slots	24.97	24.91	24.61	25.50	18.97	18.91	18.61	19.50
EDGE 3 Tx slots	22.58	22.49	22.18	23.50	18.32	18.23	17.92	19.24
EDGE 4 Tx slots	20.51	19.91	19.90	21.50	17.51	16.91	16.90	18.50

Band		WCDMA IV_Ant 13				Tune-up Limit	WCDMA IV_Ant 31				Tune-up Limit
TX Channel	Rx Channel	1312	1413	1513	1613		1312	1413	1513	1613	
Frequency (MHz)		1537	1638	1738	1838	(dBm)	1537	1638	1738	(dBm)	
3GPP Rel 99	AMR 12.2Kbps	23.95	24.12	24.07	25.00	23.90	23.92	23.97	25.00		
3GPP Rel 99	AMR 12.2Kbps	24.04	24.18	24.11	26.00	23.92	24.02	23.98	26.00		
3GPP Rel 6	HSDPA Subtest-1	22.92	22.98	22.82	24.00	23.40	23.56	23.44	24.00		
3GPP Rel 6	HSDPA Subtest-2	22.89	22.91	22.78	24.00	23.41	23.55	23.41	24.00		
3GPP Rel 6	HSDPA Subtest-3	22.77	22.88	22.74	24.00	23.36	23.50	23.36	24.00		
3GPP Rel 6	HSDPA Subtest-4	22.85	22.87	22.77	24.00	23.40	23.54	23.37	24.00		
3GPP Rel 6	DC-HSDPA Subtest-1	22.69	22.78	22.55	24.00	23.21	23.38	23.25	24.00		
3GPP Rel 6	DC-HSDPA Subtest-2	22.67	22.71	22.56	24.00	23.19	23.30	23.20	24.00		
3GPP Rel 6	DC-HSDPA Subtest-3	22.50	22.75	22.60	24.00	23.14	23.27	23.17	24.00		
3GPP Rel 6	DC-HSDPA Subtest-4	22.55	22.69	22.51	24.00	23.16	23.31	23.19	24.00		
3GPP Rel 6	HSUPA Subtest-1	22.14	22.33	22.16	23.50	22.61	23.02	22.89	23.50		
3GPP Rel 6	HSUPA Subtest-2	22.50	22.72	22.57	23.50	23.20	23.43	23.25	23.50		
3GPP Rel 6	HSUPA Subtest-3	22.52	22.91	22.66	23.50	23.22	23.39	23.24	23.50		
3GPP Rel 6	HSUPA Subtest-4	22.69	22.98	22.57	23.50	23.41	23.46	23.45	23.50		
3GPP Rel 6	HSUPA Subtest-5	23.06	23.27	23.08	24.00	23.70	23.80	23.70	24.00		
3GPP Rel 7	HSiPA+ (16QAM) Subtest-1	21.88	21.96	21.91	23.50	22.76	22.82	22.84	23.50		

Band 2_Ant 13											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limt (dBm)	MFR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	23.76	23.77	23.74	24.5	0			
20	QPSK	1	49	23.70	23.66	23.85					
20	QPSK	1	99	23.67	23.63	23.82					
20	QPSK	50	0	22.62	22.62	22.59	23.5	1			
20	QPSK	50	24	22.60	22.66	22.52					
20	QPSK	50	50	22.58	22.62	22.57					
20	QPSK	100	0	22.62	22.66	22.58	23.5	1			
20	16QAM	1	0	22.63	22.68	22.65					
20	16QAM	1	49	22.67	22.62	22.66					
20	16QAM	50	0	21.83	21.71	21.66	22.5	2			
20	16QAM	50	24	21.82	21.74	21.67					
20	16QAM	50	50	21.77	21.66	21.67					
20	16QAM	100	0	21.71	21.69	21.83	22.5	2			
20	64QAM	1	0	21.77	21.71	21.75					
20	64QAM	1	49	21.80	21.69	21.88					
20	64QAM	50	0	21.82	21.65	21.80	21.5	3			
20	64QAM	50	24	20.42	20.24	20.26					
20	64QAM	50	50	20.37	20.34	20.19					
20	64QAM	100	0	20.21	20.16	20.13	21.5	3			
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.65	23.64	23.62			24.5	0	
15	QPSK	1	37	23.60	23.64	23.61					
15	QPSK	1	74	23.58	23.45	23.53					
15	QPSK	36	0	22.54	22.63	22.53	23.5	1			
15	QPSK	36	20	22.52	22.57	22.45					
15	QPSK	36	39	22.50	22.64	22.54					
15	QPSK	75	0	22.52	22.57	22.51	23.5	1			
15	16QAM	1	0	22.53	22.57	22.56					
15	16QAM	1	37	22.65	22.55	22.55					
15	16QAM	1	74	22.73	22.78	22.54	22.5	2			
15	16QAM	50	0	21.76	21.68	21.82					
15	16QAM	50	24	21.76	21.68	21.90					
15	16QAM	36	39	21.72	21.56	21.58	22.5	2			
15	16QAM	75	0	21.63	21.67	21.58					
15	64QAM	1	0	21.76	21.68	21.60					
15	64QAM	1	37	21.75	21.61	21.78	22.5	2			
15	64QAM	1	74	21.73	21.60	21.53					
15	64QAM	50	0	20.34	20.17	20.25					
15	64QAM	36	39	20.37	20.14	20.25	21.5	3			
15	64QAM	36	39	20.17	20.32	20.29					
15	64QAM	75	0	20.17	20.10	20.10					
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.71	23.71	23.67	24.5	0			
10	QPSK	1	25	23.61	23.58	23.80					
10	QPSK	1	49	23.64	23.48	23.54					
10	QPSK	25	0	22.62	22.62	22.53	23.5	1			
10	QPSK	25	12	22.62	22.63	22.51					
10	QPSK	25	25	22.53	22.65	22.51					
10	QPSK	50	0	22.53	22.64	22.56	23.5	1			
10	16QAM	1	0	22.62	22.61	22.58					
10	16QAM	1	25	22.65	22.61	22.83					
10	16QAM	1	49	22.79	22.81	22.57	22.5	2			
10	16QAM	50	0	21.79	21.68	21.60					
10	16QAM	50	12	21.73	21.72	21.47					
10	16QAM	25	25	21.71	21.57	21.62	22.5	2			
10	16QAM	50	0	21.69	21.65	21.56					
10	16QAM	50	25	21.75	21.65	21.71					
10	64QAM	1	25	21.79	21.60	21.84	22.5	2			
10	64QAM	1	49	21.72	21.55	21.58					
10	64QAM	36	39	20.36	20.20	20.23	21.5	3			
10	64QAM	25	12	20.31	20.11	20.23					
10	64QAM	25	25	20.22	20.23	20.14					
10	64QAM	50	0	20.15	20.07	20.08	21.5	3			
10	64QAM	50	0	20.15	20.07	20.08					
10	64QAM	50	0	20.15	20.07	20.08					
Channel											
Frequency (MHz)											
5	QPSK	1	0	23.73	23.67	23.84	24.5	0			
5	QPSK	1	12	23.65	23.61	23.82					
5	QPSK	1	24	23.64	23.47	23.85					
5	QPSK	12	0	22.61	22.64	22.54	23.5	1			
5	QPSK	12	7	22.57	22.57	22.50					
5	QPSK	12	13	22.52	22.62	22.50					
5	QPSK	25	0	22.57	22.61	22.54	23.5	1			
5	16QAM	1	0	22.77	22.81	22.84					
5	16QAM	1	12	22.65	22.52	22.57					
5	16QAM	1	24	22.77	22.67	22.56	22.5	2			
5	16QAM	12	0	21.82	21.56	21.85					
5	16QAM	12	7	21.75	21.64	21.47					
5	16QAM	12	13	21.76	21.64	21.66	22.5	2			
5	16QAM	25	0	21.62	21.61	21.56					
5	16QAM	1	0	21.72	21.68	21.72					
5	64QAM	1	12	21.76	21.68	21.79	22.5	2			
5	64QAM	1	24	21.80	21.68	21.59					
5	64QAM	12	0	20.34	20.19	20.19					
5	64QAM	12	7	20.25	20.11	20.21	21.5	3			
5	64QAM	12	13	20.22	20.29	20.11					
5	64QAM	25	0	20.18	20.09	20.12					
Channel											
Frequency (MHz)											
3	QPSK	1	0	23.66	23.67	23.65	24.5	0			
3	QPSK	1	8	23.63	23.63	23.84					
3	QPSK	1	14	23.61	23.47	23.52					
3	QPSK	8	0	22.60	22.64	22.55	23.5	1			
3	QPSK	8	4	22.51	22.56	22.42					
3	QPSK	8	7	22.51	22.61	22.55					
3	QPSK	15	0	22.54	22.60	22.52	23.5	1			
3	16QAM	1	0	22.77	22.87	22.63					
3	16QAM	1	8	22.59	22.54	22.57					
3	16QAM	1	14	22.71	22.66	22.53	22.5	2			
3	16QAM	8	0	21.74	21.66	21.83					
3	16QAM	8	4	21.77	21.66	21.47					
3	16QAM	8	7	21.69	21.62	21.58	22.5	2			
3	16QAM	15	0	21.70	21.67	21.57					
3	64QAM	1	0	21.74	21.66	21.69	22.5	2			
3	64QAM	1	8	21.73	21.65	21.82					
3	64QAM	1	14	21.74	21.61	21.56					
3	64QAM	8	0	20.37	20.15	20.16	21.5	3			
3	64QAM	8	4	20.26	20.13	20.23					
3	64QAM	8	7	20.19	20.30	20.16					
3	64QAM	15	0	20.15	20.14	20.12	21.5	3			
3	64QAM	15	0	20.15	20.14	20.12					
3	64QAM	15	0	20.15	20.14	20.12					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	23.71	23.68	23.70	24.5	0			
1.4	QPSK	1	3	23.67	23.60	23.80					
1.4	QPSK	1	5	23.66	23.49	23.56					
1.4	QPSK	3	0	23.63	23.60	23.82	23.5	1			
1.4	QPSK	3	3	23.68	23.42	23.48					
1.4	QPSK	3	6	22.60	22.60	22.54					
1.4	16QAM	1	0	22.60	22.81	22.60	23.5	1			
1.4	16QAM	1	3	22.65	22.52	22.59					
1.4	16QAM	1	5	22.70	22.82	22.48					
1.4	16QAM	3	0	22.78	22.80	22.57	22.5	1			
1.4	16QAM	3	3	22.69	22.47	22.48					
1.4	16QAM	3	5	22.66	22.76	22.43					
1.4	16QAM	6	0	21.65	21.61	21.57	22.5	2			
1.4	16QAM	6	0	21.74	21.61	21.72					
1.4	64QAM	1	0	21.74	21.61	21.75	22.5	2			
1.4	64QAM	1	3	21.79	21.68	21.83					
1.4	64QAM	1	5	21.73	21.65	21.84					
1.4	64QAM	3	0	21.67	21.51	21.71	22.5	2			
1.4	64QAM	3	3	21.78	21.61	21.76					
1.4	64QAM	3	5	21.71	21.53	21.73					
1.4	64QAM	6	0	20.18	20.11	20.07	21.5	3			
1.4	64QAM	6	0	20.18	20.11	20.07					
1.4	64QAM	6	0	20.18	20.11	20.07					

Band 5_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up time (min)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.90	23.92	23.78				
10	QPSK	1	25	23.78	23.83	23.77	25	0		
10	QPSK	8	24	23.88	23.92	23.75				
10	QPSK	25	0	22.77	22.80	22.76				
10	QPSK	25	12	22.73	22.78	22.64				
10	QPSK	25	24	22.70	22.72	22.69				
10	QPSK	50	0	22.74	22.78	22.70				
10	16QAM	1	0	22.63	22.69	22.60				
10	16QAM	1	25	22.74	22.78	22.70	24	1		
10	16QAM	8	24	22.86	22.90	22.78				
10	16QAM	25	0	21.77	21.70	21.85				
10	16QAM	25	12	21.84	21.77	21.89				
10	16QAM	25	24	21.83	21.76	21.96	23	2		
10	16QAM	50	0	21.76	21.72	21.77				
10	64QAM	1	0	21.83	21.62	21.80				
10	64QAM	1	25	21.68	21.71	21.85	23	2		
10	64QAM	8	24	21.73	21.77	21.73				
10	64QAM	25	0	20.80	20.90	20.83				
10	64QAM	25	12	20.86	20.89	20.68	22	3		
10	64QAM	25	24	20.73	20.86	20.80				
10	64QAM	50	0	20.69	20.46	20.69				
Channel				20425	20525	20625	Turn-up time (min)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.84	23.88	23.70				
5	QPSK	1	12	23.68	23.77	23.67	25	0		
5	QPSK	24	23	23.83	23.87	23.68				
5	QPSK	12	0	22.72	22.77	22.74				
5	QPSK	12	7	22.67	22.75	22.62	24	1		
5	QPSK	12	14	22.61	22.68	22.57				
5	QPSK	25	0	22.64	22.74	22.66				
5	16QAM	1	0	22.54	22.60	22.50				
5	16QAM	1	12	22.67	22.72	22.58	24	1		
5	16QAM	12	24	22.61	22.76	22.63				
5	16QAM	12	7	21.81	21.70	21.65	22			
5	16QAM	12	14	21.80	21.72	21.65	23	2		
5	16QAM	25	0	21.73	21.71	21.71				
5	64QAM	1	0	21.78	21.52	21.52				
5	64QAM	1	12	21.64	21.66	21.78	23	2		
5	64QAM	12	24	21.68	21.67	21.71				
5	64QAM	12	7	20.71	20.88	20.81				
5	64QAM	12	14	20.62	20.88	20.85				
5	64QAM	12	19	20.67	20.70	20.67	22			
5	64QAM	25	0	20.58	20.57	20.58				
Channel				20415	20525	20635	Turn-up time (min)	MPR (dB)		
Frequency (MHz)				824.5	836.5	847.5				
3	QPSK	1	0	23.87	23.86	23.73				
3	QPSK	1	25	23.71	23.76	23.71	25	0		
3	QPSK	1	14	23.80	23.82	23.69				
3	QPSK	8	4	22.73	22.73	22.68				
3	QPSK	8	4	22.69	22.70	22.56	24	1		
3	QPSK	8	4	22.62	22.67	22.56				
3	QPSK	15	0	22.68	22.68	22.61				
3	16QAM	1	0	22.54	22.68	22.54				
3	16QAM	1	25	22.73	22.70	22.67				
3	16QAM	8	24	22.85	22.86	22.81				
3	16QAM	8	4	21.75	21.67	21.56				
3	16QAM	8	4	21.78	21.71	21.65				
3	16QAM	8	15	21.73	21.74	21.74	23	2		
3	64QAM	1	0	21.71	21.59	21.51				
3	64QAM	1	8	21.56	21.68	21.84	23	2		
3	64QAM	1	25	21.66	21.66	21.75				
3	64QAM	8	4	20.78	20.85	20.77				
3	64QAM	8	4	20.69	20.80	20.83				
3	64QAM	8	15	20.62	20.74	20.74	22	3		
3	64QAM	15	0	20.63	20.77	20.63				
Channel				20407	20525	20643	Turn-up time (min)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.89	23.86	23.77				
1.4	QPSK	1	25	23.71	23.76	23.71	25	0		
1.4	QPSK	1	5	23.85	23.87	23.69				
1.4	QPSK	3	0	22.82	22.78	23.72				
1.4	QPSK	3	1	22.60	22.66	23.73				
1.4	QPSK	3	2	22.82	22.95	23.64				
1.4	16QAM	1	0	22.69	22.88	22.85	24	1		
1.4	16QAM	1	0	22.69	22.88	22.86				
1.4	16QAM	1	3	22.69	22.89	22.83				
1.4	16QAM	3	0	22.63	22.66	22.56	24	1		
1.4	16QAM	3	1	22.56	22.68	22.52				
1.4	16QAM	6	0	21.70	21.75	21.69	23	2		
1.4	64QAM	1	0	21.77	21.59	21.54				
1.4	64QAM	1	3	21.68	21.67	21.80				
1.4	64QAM	1	7	21.67	21.68	21.69				
1.4	64QAM	3	0	21.75	21.48	21.50	23	2		
1.4	64QAM	3	1	21.63	21.54	21.70				
1.4	64QAM	3	2	21.64	21.78	21.73				
1.4	64QAM	6	0	20.63	20.75	20.63	22	3		

Band 5_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq [Ch / Freq]	Power Ch / Freq [Ch / Freq]	Power Ch / Freq [Ch / Freq]	Turn-on time [ms]	MPR [dB]	
Channel				20255	20525	20635			
Frequency (MHz)				829.5	836.5	844			
10	QPSK	1	0	23.88	23.30	23.82			
10	QPSK	1	25	23.78	23.81	23.82	25	0	
10	QPSK	8	23	23.85	23.85	23.81			
10	QPSK	25	0	22.79	22.97	22.85			
10	QPSK	25	12	22.74	22.72	22.89			
10	QPSK	25	25	22.77	22.76	22.77	24	1	
10	QPSK	50	0	22.66	22.70	22.64			
10	16QAM	1	0	22.95	22.90	22.99			
10	16QAM	1	25	22.80	22.76	22.81	24	1	
10	16QAM	1	49	22.84	22.83	22.87			
10	16QAM	25	0	21.81	21.95	21.91			
10	16QAM	25	12	21.66	21.68	21.81			
10	16QAM	25	25	21.76	21.91	21.86	23	2	
10	16QAM	50	0	21.79	21.77	21.90			
10	64QAM	1	0	21.84	21.58	21.58			
10	64QAM	1	25	21.67	21.87	21.88	23	2	
10	64QAM	1	49	21.71	21.52	21.63			
10	64QAM	25	0	20.88	20.91	20.95			
10	64QAM	25	12	20.86	20.84	20.92			
10	64QAM	25	25	20.80	20.84	20.82			
10	64QAM	50	0	20.75	20.78	20.82	22	3	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.79	23.84	23.72			
5	QPSK	1	12	23.74	23.75	23.70	25	0	
5	QPSK	1	25	23.79	23.78	23.71			
5	QPSK	12	0	22.70	22.90	22.83			
5	QPSK	12	7	22.72	22.62	22.61			
5	QPSK	12	25	22.71	22.69	22.71			
5	QPSK	25	0	22.58	22.61	22.58			
5	16QAM	1	0	22.92	22.88	22.95			
5	16QAM	1	12	22.92	22.70	22.88	24	1	
5	16QAM	1	25	22.79	22.78	22.78			
5	16QAM	12	0	21.80	21.94	21.68			
5	16QAM	12	7	21.59	21.66	21.53	23	2	
5	16QAM	12	13	21.74	21.61	21.68			
5	16QAM	25	0	21.69	21.68	21.80			
5	64QAM	1	0	21.61	21.56	21.53			
5	64QAM	1	12	21.66	21.85	21.84	23	2	
5	64QAM	1	25	21.63	21.64	21.59			
5	64QAM	12	0	20.84	20.87	20.86			
5	64QAM	12	7	20.79	20.81	20.82			
5	64QAM	12	13	20.80	20.78	20.74	22	3	
5	64QAM	25	0	20.73	20.74	20.85			
Channel				20425	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.84	23.87	23.72			
3	QPSK	1	25	23.72	23.80	23.82	25	0	
3	QPSK	1	14	23.83	23.80	23.74			
3	QPSK	8	0	22.75	22.93	22.75			
3	QPSK	8	4	22.71	22.71	22.60	24	1	
3	QPSK	8	25	22.71	22.61	22.69			

Band 7_Ant13									
BW (MHz)	Modulation	RB Size	RB Offset	Power (Ch/Freq)	Power (Ch/Freq)	Power (Ch/Freq)	Turn-up time (mins)	MPR (dB)	
Channel									
Frequency (MHz)				20510	21100	21500			
20	QPSK	1	0	23.41	23.45	23.38			
15	QPSK	1	49	23.27	23.43	23.33		24.5	0
10	QPSK	1	98	23.40	23.38	23.33			
10	QPSK	50	0	22.43	22.47	22.45			
20	QPSK	50	24	23.33	22.45	22.42		23.5	1
20	QPSK	50	74	22.38	22.38	22.34			
20	QPSK	100	0	22.28	22.45	22.42			
20	16QAM	1	0	22.35	22.33	22.36			
20	16QAM	1	49	22.40	22.33	22.38		23.5	1
10	16QAM	50	24	22.38	22.41	22.45			
20	16QAM	50	74	21.51	21.45	21.43			
20	16QAM	50	24	21.39	21.51	21.51		22.5	2
20	16QAM	50	74	21.51	21.49	21.51			
20	64QAM	1	0	21.57	21.45	21.51			
20	64QAM	1	49	21.36	21.38	21.59		22.5	2
20	64QAM	50	24	21.60	21.49	21.50			
20	64QAM	50	74	20.10	20.01	20.14			
20	64QAM	50	24	20.05	19.98	20.06		21.5	3
20	64QAM	100	0	19.96	19.94	20.21			
20	64QAM	100	0	19.96	19.95	20.09			
Channel									
Frequency (MHz)				20515	21100	21375	Turn-up time (mins)	MPR (dB)	
15	QPSK	1	0	23.23	23.40	23.32			
15	QPSK	1	37	23.20	23.45	23.27		24.5	0
15	QPSK	1	74	23.39	23.38	23.29			
15	QPSK	36	0	22.34	22.46	22.42			
15	QPSK	36	0	22.28	22.40	22.38		23.5	1
15	QPSK	36	36	22.37	22.27	22.33			
15	QPSK	36	74	22.27	22.38	22.40			
15	16QAM	1	0	22.31	22.32	22.34			
15	16QAM	1	37	22.32	22.30	22.33		23.5	1
15	16QAM	1	74	22.33	22.33	22.31			
15	16QAM	36	0	21.43	21.41	21.35			
15	16QAM	36	20	21.35	21.48	21.48		22.5	2
15	16QAM	36	74	21.48	21.43	21.59			
15	16QAM	75	0	21.59	21.42	21.51			
15	64QAM	1	0	21.54	21.39	21.49			
15	64QAM	1	37	21.32	21.38	21.49		22.5	2
15	64QAM	1	74	21.67	21.48	21.59			
15	64QAM	36	0	20.02	20.00	20.13			
15	64QAM	36	20	19.99	19.95	19.98			
15	64QAM	36	74	19.98	19.96	19.98		21.5	3
15	64QAM	75	0	19.87	19.84	19.99			
Channel									
Frequency (MHz)				20500	21100	21440	Turn-up time (mins)	MPR (dB)	
10	QPSK	1	0	23.37	23.43	23.34			
10	QPSK	1	49	23.22	23.38	23.32		24.5	0
10	QPSK	1	98	23.34	23.33	23.27			
10	QPSK	25	0	22.34	22.41	22.40			
10	QPSK	25	12	22.28	22.38	22.33		23.5	1
10	QPSK	25	36	22.37	22.32	22.35			
10	QPSK	50	0	22.18	22.41	22.37			
10	16QAM	1	0	22.29	22.27	22.32			
10	16QAM	1	25	22.34	22.32	22.28		23.5	1
10	16QAM	1	50	22.28	22.35	22.42			
10	16QAM	25	0	21.48	21.42	21.39			
10	16QAM	25	12	21.29	21.49	21.48		22.5	2
10	16QAM	25	36	21.41	21.45	21.49			
10	16QAM	50	0	21.54	21.45	21.55			
10	64QAM	1	0	21.55	21.36	21.45			
10	64QAM	1	25	21.34	21.33	21.56		22.5	2
10	64QAM	1	50	21.68	21.47	21.56			
10	64QAM	25	0	20.02	19.92	20.05			
10	64QAM	25	12	19.95	19.88	20.00			
10	64QAM	25	36	19.90	19.88	20.00		21.5	3
10	64QAM	50	0	19.89	19.91	20.02			
Channel									
Frequency (MHz)				20515	21100	21425	Turn-up time (mins)	MPR (dB)	
5	QPSK	1	0	23.32	23.39	23.35			
5	QPSK	1	49	23.23	23.37	23.32		24.5	0
5	QPSK	1	24	23.35	23.30	23.29			
5	QPSK	12	0	22.35	22.44	22.35			
5	QPSK	12	0	22.28	22.36	22.32		23.5	1
5	QPSK	12	49	22.37	22.34	22.32			
5	16QAM	1	0	22.28	22.32	22.31			
5	16QAM	1	12	22.36	22.31	22.36		23.5	1
5	16QAM	1	24	22.32	22.34	22.36			
5	16QAM	12	0	21.41	21.44	21.34			
5	16QAM	12	7	21.32	21.43	21.42		22.5	2
5	16QAM	12	49	21.48	21.47	21.51			
5	16QAM	25	0	21.50	21.42	21.51			
5	64QAM	1	0	21.52	21.41	21.50			
5	64QAM	1	12	21.33	21.35	21.53		22.5	2
5	64QAM	1	24	21.63	21.48	21.59			
5	64QAM	12	0	20.08	19.93	20.07			
5	64QAM	12	7	19.90	19.86	19.96		21.5	3
5	64QAM	12	49	19.95	19.95	20.06			

Band 7_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq [dBm]	Power Max Ch / Freq [dBm]	Power Min Ch / Freq [dBm]	Turn-on time (ms)	MRR (dB)	
Channel									
Frequency (MHz)				20510	21100	21350			
20	QPSK	1	0	23.85	23.88	23.83			
15	QPSK	1	49	23.82	23.78	23.82	24.5	0	
10	QPSK	1	98	23.82	23.78	23.82			
20	QPSK	50	0	22.50	22.50	22.50			
20	QPSK	50	24	22.50	22.50	22.50			
20	QPSK	100	0	22.52	22.52	22.52			
20	QPSK	100	0	22.79	22.80	22.81			
20	16QAM	1	0	22.89	22.93	22.75			
20	16QAM	1	49	22.90	22.89	22.74			
20	16QAM	50	0	22.80	22.80	22.51	22.5	1	
20	16QAM	50	0	21.99	21.95	21.70			
20	16QAM	50	24	21.92	21.81	21.92			
20	16QAM	50	24	21.88	21.92	21.88	22.5	2	
20	16QAM	50	24	22.00	21.85	22.00			
20	64QAM	1	0	22.10	22.12	22.08			
20	64QAM	1	49	21.99	21.97	21.95	22.5	2	
20	64QAM	1	98	22.08	22.08	22.08			
20	64QAM	50	0	20.51	20.30	20.30			
20	64QAM	50	24	20.49	20.36	20.29	21.5	3	
20	64QAM	50	24	20.43	20.40	20.45			
20	64QAM	50	24	20.44	20.27	20.27			
Channel				20625	21100	21375	Turn-on time (ms)	MRR (dB)	
Frequency (MHz)				2057.5	2035	2052.5			
15	QPSK	1	0	23.77	23.82	23.74			
15	QPSK	1	37	23.81	23.80	23.80	24.5	0	
15	QPSK	1	74	23.74	23.66	23.74			
15	QPSK	36	0	22.89	22.88	22.81			
15	QPSK	36	0	22.71	22.85	22.75			
15	QPSK	36	0	22.84	22.89	22.84	23.5	1	
15	QPSK	36	0	22.78	22.82	22.73			
15	16QAM	1	0	22.86	22.91	22.68			
15	16QAM	1	37	22.86	22.83	22.70	22.5	1	
15	16QAM	1	74	22.70	22.85	22.73			
15	16QAM	36	0	21.97	21.81	21.63			
15	16QAM	36	20	21.87	21.71	21.84	22.5	2	
15	16QAM	36	20	21.81	21.84	21.84			
15	16QAM	75	0	21.93	21.75	21.89			
15	64QAM	1	37	21.91	21.66	21.88	22.5	2	
15	64QAM	1	74	21.04	21.02	21.01			
15	64QAM	36	0	20.42	20.21	20.20			
15	64QAM	36	20	20.41	20.28	20.27	21.5	3	
15	64QAM	36	20	20.29	20.20	20.44			
15	64QAM	36	20	20.38	20.18	20.38			
Channel				20800	21100	21400	Turn-on time (ms)	MRR (dB)	
Frequency (MHz)				20650	2035	20655			
10	QPSK	1	0	23.84	23.82	23.73			
10	QPSK	1	0	23.78	23.75	23.78	24.5	0	
10	QPSK	1	49	23.66	23.68	23.70			
10	QPSK	25	0	22.86	22.90	22.80			
10	QPSK	25	12	22.74	22.84	22.81			
10	QPSK	25	12	22.86	22.86	22.89	22.5	1	
10	QPSK	50	0	22.75	22.85	22.72			
10	QPSK	50	0	22.81	22.81	22.81			
10	16QAM	1	0	22.81	22.90	22.71			
10	16QAM	1	25	22.82	22.81	22.84			
10	16QAM	1	50	22.71	22.89	22.71	22.5	1	
10	16QAM	25	0	21.93	21.77	21.65			
10	16QAM	25	12	21.83	21.79	21.86			
10	16QAM	25	12	21.79	21.90	21.81	22.5	2	
10	16QAM	50	0	21.99	21.78	21.89			
10	64QAM	1	0	22.08	22.11	22.00			
10	64QAM	1	25	21.89	21.65	21.91	22.5	2	
10	64QAM	1	50	22.04	22.02	22.01			
10	64QAM	25	0	20.42	20.20	20.24			
10	64QAM	25	12	20.44	20.34	20.21	21.5	3	
10	64QAM	25	12	20.37	20.30	20.29			
10	64QAM	50	0	20.39	20.20	20.20			
Channel				20775	21100	21425	Turn-on time (ms)	MRR (dB)	
Frequency (MHz)				2062.5	2035	2067.5			
5	QPSK	1	0	23.63	23.66	23.60			
5	QPSK	1	0	23.60	23.57	23.60	24.5	0	
5	QPSK	1	24	23.69	23.69	23.73			
5	QPSK	12	0	22.88	22.88	22.87			
5	QPSK	12	0	22.73	22.87	22.76			
5	QPSK	12	0	22.89	22.84	22.87	23.5	1	
5	QPSK	12	0	22.77	22.77	22.72			
5	16QAM	1	0	22.85	22.89	22.72			
5	16QAM	1	12	22.86	22.84	22.87			
5	16QAM	1	24	22.75	22.81	22.82	22.5	1	
5	16QAM	12	0	21.90	21.81	21.66			
5	16QAM	12	7	21.91	21.73	21.85	22.5	2	
5	16QAM	12	7	21.80	21.88	21.84			
5	16QAM	25	0	21.91	21.81	21.85			
5	64QAM	1	0	22.05	22.09	22.05			
5	64QAM	1	12	21.97	21.64	21.91	22.5	2	
5	64QAM	1	24	22.01	21.84	22.04			
5	64QAM	12	0	20.50	20.26	20.28			
5	64QAM	12	7	20.47	20.29	20.21	21.5	3	
5	64QAM	12	19	20.38	20.20	20.23			
5	64QAM	12	19	20.36	20.18	20.27			

Band 13_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl (dBm)	Power Mode Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MRR (dB)	
Channel									
Channel				23520	23530				
Frequency (MHz)				782					
10	QPSK	1	0	22.38	22.38				
10	QPSK	1	25	22.44	22.44		24	0	
10	QPSK	1	50	22.48	22.48				
10	QPSK	25	0	22.00	22.00				
10	QPSK	25	12	21.89	21.89		23	1	
10	QPSK	50	0	21.75	21.75				
10	QPSK	50	25	21.93	21.93				
10	16QAM	1	0	22.46	22.46				
10	16QAM	1	25	22.32	22.32		23	1	
10	16QAM	1	50	22.20	22.20				
10	16QAM	25	0	21.10	21.10				
10	16QAM	25	12	21.00	21.00				
10	16QAM	50	0	21.22	21.22		22	2	
10	16QAM	50	25	20.98	20.98				
10	64QAM	1	0	21.16	21.16				
10	64QAM	1	25	21.04	21.04		22	2	
10	64QAM	1	50	20.90	20.90				
10	64QAM	25	0	20.10	20.10				
10	64QAM	25	12	20.07	20.07		21	3	
10	64QAM	50	0	20.31	20.31				
10	64QAM	50	25	20.11	20.11				
Channel				23505	23520	23535	Turn-up time (min)	MRR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	22.85	22.86	22.82			
5	QPSK	1	12	22.76	22.76	22.76	24	0	
5	QPSK	1	24	22.75	22.75	22.82			
5	QPSK	12	0	21.98	21.94	21.94			
5	QPSK	12	7	21.90	21.88	21.88	23	1	
5	QPSK	12	14	21.84	21.81	21.83			
5	QPSK	24	0	21.94	21.89	21.97	21	1	
5	16QAM	1	0	22.36	22.44	22.39			
5	16QAM	1	12	22.28	22.27	22.26	23	1	
5	16QAM	1	24	22.60	22.66	22.68			
5	16QAM	12	0	21.03	21.07	21.09			
5	16QAM	12	7	20.98	20.96	20.92	22	2	
5	16QAM	12	14	21.19	21.18	21.18			
5	16QAM	24	0	20.93	20.93	20.98			
5	64QAM	1	0	21.11	21.06	21.09			
5	64QAM	1	12	20.97	20.96	20.96	22	2	
5	64QAM	1	24	20.88	20.84	20.93			
5	64QAM	12	0	20.06	20.05	20.03			
5	64QAM	12	7	20.06	20.02	19.99	21	3	
5	64QAM	12	14	20.22	20.22	20.26			
5	64QAM	24	0	20.10	20.10	20.05			

Band 13_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Level [Ch / Freq]	Power Level Ch / Freq	Power Level Ch / Freq	Turn-up time [min]	MPR [dB]	
Channel				23250					
Frequency (MHz)				782					
10	QPSK	1	0		22.80		24	0	
10	QPSK	1	25		22.71				
10	QPSK	1	50		22.62				
10	QPSK	25	12		21.80				
10	QPSK	25	12		21.63		23	1	
10	QPSK	50	0		21.81				
10	16QAM	1	0		22.53				
10	16QAM	1	25		21.92				
10	16QAM	1	50		22.50		22	2	
10	16QAM	25	0		21.09				
10	16QAM	25	0		20.78				
10	16QAM	25	12		21.19				
10	64QAM	1	0		21.01		22	2	
10	64QAM	1	25		20.73				
10	64QAM	1	50		21.08				
10	64QAM	25	0		19.58				
10	64QAM	25	12		19.78		21	3	
10	64QAM	25	0		20.28				
10	64QAM	50	0		19.18				
Channel				23205	23220	23255			
Frequency (MHz)				776.5	782	784.5			
5	QPSK	1	0		22.83	22.88	24	0	
5	QPSK	1	12		22.84	22.89			
5	QPSK	1	24		22.82	22.78			
5	QPSK	12	0		21.84	21.87			
5	QPSK	12	0		21.52	21.78	23	1	
5	QPSK	12	0		21.58	21.60			
5	QPSK	12	7		21.71	21.77			
5	16QAM	1	0		22.45	22.47			
5	16QAM	1	12		22.86	21.83	22	2	
5	16QAM	1	24		22.50	22.48			
5	16QAM	12	0		21.05	21.03			
5	16QAM	12	7		20.63	20.62			
5	16QAM	12	15		21.15	21.18	22	2	
5	16QAM	25	0		20.76	20.74			
5	64QAM	1	0		20.99	20.96			
5	64QAM	1	12		20.66	20.64			
5	64QAM	1	24		21.06	21.00	21	2	
5	64QAM	12	0		19.55	19.54			
5	64QAM	12	7		19.75	19.68			
5	64QAM	12	15		20.20	20.20			
5	EQPSK	25	0		19.89	19.84	19	3	
5	EQPSK	25	0		19.89	19.88			

Band 26_Ant 13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. Freq [MHz]	Power Ch. Freq [MHz]	Power Ch. Freq [MHz]	Turn-on time (ms)	MPR (dB)		
Channel				26765	26865	26965				
Frequency (MHz)				831.5	831.5	841.5				
15	QPSK	1	0	23.38	23.45	23.42			24.5	0
15	QPSK	3	37	23.38	23.38	23.39				
15	QPSK	1	74	23.33	23.38	23.39				
15	QPSK	36	0	22.45	22.50	22.43			23.5	1
15	QPSK	36	20	22.43	22.44	22.42				
15	QPSK	36	38	22.31	22.47	22.39				
15	QPSK	75	0	22.36	22.40	22.30			22.5	2
15	16QAM	1	0	22.38	22.31	22.80				
15	16QAM	1	37	22.36	22.33	22.86				
15	16QAM	1	74	22.40	22.38	22.38			22.5	1
15	16QAM	36	0	21.34	21.28	21.31				
15	16QAM	36	20	21.40	21.44	21.20				
15	16QAM	36	38	21.43	21.68	21.62			22.5	2
15	16QAM	75	0	21.34	21.30	21.32				
15	64QAM	1	0	21.50	21.45	21.46				
15	64QAM	1	37	21.44	21.49	21.42			24.5	2
15	64QAM	1	74	21.39	21.44	21.44				
15	64QAM	36	0	19.78	19.88	19.83				
15	64QAM	36	20	19.74	19.81	19.81			21.5	3
15	64QAM	36	38	19.88	19.93	19.73				
15	64QAM	75	0	19.81	19.78	19.78				
Channel				26870	26865	26960				
Frequency (MHz)				831.5	831.5	841				
10	QPSK	1	0	23.39	23.44	23.37			24.5	0
10	QPSK	1	25	23.28	23.38	23.39				
10	QPSK	1	49	23.30	23.30	23.34				
10	QPSK	25	0	22.40	22.44	22.39			23.5	1
10	QPSK	25	25	22.40	22.40	22.41				
10	QPSK	25	25	22.28	22.39	22.30				
10	QPSK	50	0	22.29	22.31	22.28			23.5	1
10	QPSK	1	0	22.37	22.25	22.82				
10	16QAM	1	0	22.29	22.30	22.28				
10	16QAM	1	49	23.33	22.31	22.83			22.5	2
10	16QAM	25	0	21.27	21.23	21.25				
10	16QAM	25	25	21.37	21.40	21.15				
10	16QAM	50	0	21.42	21.47	21.16			22.5	2
10	16QAM	1	0	21.27	21.26	21.29				
10	16QAM	1	0	21.45	21.38	21.42				
10	64QAM	1	0	21.36	21.41	21.41			22.5	2
10	64QAM	1	49	21.36	21.38	21.29				
10	64QAM	25	0	19.72	19.80	19.80				
10	64QAM	25	25	19.87	19.87	19.87			21.5	3
10	64QAM	25	25	19.85	19.90	19.67				
10	64QAM	50	0	19.80	19.74	19.72				
Channel				26915	26865	27015				
Frequency (MHz)				831.5	831.5	841.5				
5	QPSK	1	0	23.34	23.41	23.37			24.5	0
5	QPSK	1	12	23.27	23.29	23.32				
5	QPSK	1	24	23.31	23.28	23.30				
5	QPSK	1	37	23.44	23.44	23.34			23.5	1
5	QPSK	12	7	22.42	22.34	22.34				
5	QPSK	12	13	22.42	22.40	22.38				
5	QPSK	25	0	22.27	22.30	22.27			22.5	2
5	QPSK	25	25	22.27	22.27	22.27				
5	16QAM	1	12	22.30	22.43	22.81				
5	16QAM	1	24	22.32	22.33	22.87			22.5	2
5	16QAM	1	0	21.26	21.29	21.23				
5	16QAM	12	7	21.32	21.35	21.13				
5	16QAM	12	13	21.35	21.48	21.11			22.5	2
5	16QAM	25	0	21.30	21.38	21.31				
5	16QAM	25	25	21.48	21.38	21.63				
5	64QAM	1	12	21.38	21.42	21.40			22.5	2
5	64QAM	1	24	21.30	21.39	21.30				
5	64QAM	1	37	21.45	21.38	21.42				
5	64QAM	12	7	19.84	19.79	19.78			21.5	3
5	64QAM	12	13	19.86	19.90	19.68				
5	64QAM	25	0	19.71	19.74	19.74				
Channel				26955	26865	27053				
Frequency (MHz)				816.5	831.5	847.5				
3	QPSK	1	0	23.30	23.37	23.35			24.5	0
3	QPSK	1	8	23.26	23.27	23.37				
3	QPSK	1	16	23.31	23.36	23.38				
3	QPSK	1	24	23.36	23.42	23.34			23.5	1
3	QPSK	8	4	22.33	22.38	22.32				
3	QPSK	8	7	22.25	22.44	22.36				
3	QPSK	1	0	22.35	22.31	22.87			23.5	1
3	16QAM	1	0	22.35	22.21	22.91				
3	16QAM	1	8	22.29	22.51	22.82				
3	16QAM	1	16	22.32	22.36	22.86			22.5	2
3	16QAM	1	24	21.29	21.24	21.27				
3	16QAM	8	4	21.37	21.34	21.47				
3	64QAM	1	7	21.34	21.44	21.18			22.5	2
3	64QAM	1	15	21.38	21.36	21.21				
3	64QAM	1	23	21.27	21.40	21.22				
3	64QAM	1	0	21.42	21.40	21.41			22.5	2
3	64QAM	1	8	21.33	21.47	21.35				
3	64QAM	1	16	21.38	21.36	21.21				
3	64QAM	8	4	19.68	19.72	19.71			21.5	3
3	64QAM	8	7	19.65	19.92	19.63				
3	64QAM	17	9	19.69	19.71	19.71				
Channel				26997	26865	27033				
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	23.30	23.38	23.34			24.5	0
1.4	QPSK	1	0	23.33	23.35	23.33				
1.4	QPSK	1	23	23.29	23.34	23.31				
1.4	QPSK	3	0	23.22	23.34	23.26			23.5	1
1.4	QPSK	3	0	22.27	22.32	22.35				
1.4	QPSK	3	0	22.30	22.31	22.30				
1.4	QPSK	6	0	22.39	22.31	22.29			23.5	1
1.4	16QAM	1	0	22.29	22.22	22.95				
1.4	16QAM	1	3	22.29	22.49	22.80				
1.4	16QAM	1	23	22.34	22.30	22.83			22.5	1
1.4	16QAM	3	0	22.27	22.49	22.54				
1.4	16QAM	3	0	22.32	22.44	22.51				
1.4	16QAM	6	0	22.33	22.34	22.48			22.5	2
1.4	16QAM	6	0	21.33	21.28	21.27				
1.4	64QAM	1	3	21.39	21.43	21.35				
1.4	64QAM	1	23	21.29	21.40	21.22			22.5	2
1.4	64QAM	3	0	21.38	21.33	21.39				
1.4	64QAM	3	1	21.33	21.39	21.33				
1.4	64QAM	3	23	21.24	21.31	21.21			21.5	3
1.4	64QAM	3	0	19.77	19.85	19.89				
1.4	64QAM	3	0	19.77	19.85	19.89				

Band 26_Ant 31										
RF [W]	Modulation	RB Size	RB Offset	Power Ch [F / Hz]	Power Load Ch [F / Hz]	Power Ch [F / Hz]	Power Load Ch [F / Hz]	Turn-on time (ms)	MPR (dB)	
Channel				26765	26865	26965				
Frequency (MHz)				811.5	831.5	841.5				
15	QPSK	1	0	23.20	23.30	23.35				
15	QPSK	1	37	23.17	23.27	23.32				
15	QPSK	1	74	23.12	23.21	23.22		24.5	0	
15	QPSK	36	0	22.32	22.35	22.33				
15	QPSK	36	20	22.26	22.13	22.19		22.5	1	
15	QPSK	36	38	22.30	22.31	22.32		22.5	1	
15	QPSK	75	0	22.25	22.30	22.29				
15	16QAM	1	0	22.50	22.59	22.52				
15	16QAM	1	37	22.38	22.47	22.41				
15	16QAM	1	74	22.46	22.47	22.46		22.5	1	
15	16QAM	36	0	21.21	21.36	21.29				
15	16QAM	36	20	21.19	21.40	21.20		22.5	2	
15	16QAM	36	38	21.50	21.53	21.52		22.5	2	
15	16QAM	75	0	21.38	21.29	21.35				
15	64QAM	1	0	21.58	21.69	21.76				
15	64QAM	1	37	21.62	21.66	21.60		22.5	2	
15	64QAM	1	74	21.77	21.57	21.62		22.5	2	
15	64QAM	36	0	19.87	19.72	19.79				
15	64QAM	36	20	19.80	19.65	19.74		21.5	3	
15	64QAM	36	38	19.81	19.67	19.74		21.5	3	
15	64QAM	75	0	19.86	19.70	19.84				
Channel				26760	26865	26960				
Frequency (MHz)				811.5	831.5	841.5				
15	QPSK	1	0	23.10	23.25	23.23				
15	QPSK	1	25	23.10	23.23	23.23		24.5	0	
15	QPSK	1	49	23.11	23.20	23.16				
15	QPSK	25	0	23.27	23.33	23.29				
15	QPSK	25	12	23.17	23.24	23.18		23.5	1	
15	QPSK	25	25	23.22	23.26	23.20		23.5	1	
15	QPSK	50	0	23.23	23.21	23.26				
15	QPSK	50	1	22.41	22.54	22.51				
15	16QAM	1	0	22.28	22.33	22.29		23.5	1	
15	16QAM	1	49	22.43	22.37	22.37				
15	16QAM	25	0	21.18	21.34	21.24				
15	16QAM	25	12	21.17	21.30	21.21		22.5	2	
15	16QAM	25	25	21.45	21.43	21.43		22.5	2	
15	16QAM	50	0	21.31	21.25	21.32				
15	16QAM	50	1	21.50	21.66	21.72		22.5	2	
15	16QAM	50	12	21.52	21.58	21.51		22.5	2	
15	64QAM	1	49	21.14	21.54	21.54				
15	64QAM	25	0	19.83	19.66	19.73		21.5	3	
15	64QAM	25	12	19.82	19.65	19.65		21.5	3	
15	64QAM	25	25	19.79	19.60	19.70		21.5	3	
15	64QAM	50	0	19.77	19.62	19.61				
Channel				26765	26865	27015				
Frequency (MHz)				811.5	831.5	847.5				
5	QPSK	1	0	23.18	23.30	23.19		Turn-on time (ms)	MPR (dB)	
5	QPSK	1	12	23.12	23.29	23.00		24		
5	QPSK	1	24	23.06	23.16	23.14		24.5	0	
5	QPSK	1	36	23.25	23.29	23.20				
5	QPSK	12	7	23.15	23.03	23.12		23.5	1	
5	QPSK	12	13	23.29	23.21	23.14		23.5	1	
5	QPSK	25	0	23.21	23.21	23.28				
5	QPSK	25	12	22.48	22.48	22.51				
5	16QAM	1	12	22.29	22.53	22.43		23.5	1	
5	16QAM	1	24	22.42	22.42	22.43				
5	16QAM	12	0	21.13	21.28	21.28		22.5	2	
5	16QAM	12	7	21.15	21.38	21.10		22.5	2	
5	16QAM	12	13	21.48	21.46	21.18		22.5	2	
5	16QAM	25	0	21.30	21.24	21.26				
5	16QAM	25	12	21.57	21.66	21.69		22.5	2	
5	64QAM	1	12	21.55	21.63	21.50		22.5	2	
5	64QAM	1	24	21.72	21.52	21.49				
5	64QAM	12	0	19.84	19.70	19.73		21.5	3	
5	64QAM	12	7	19.76	19.57	19.65		21.5	3	
5	64QAM	12	13	19.76	19.61	19.73		21.5	3	
5	64QAM	25	0	19.77	19.62	19.56				
Channel				26767	26865	27033				
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	23.11	23.31	23.21		Turn-on time (ms)	MPR (dB)	
1.4	QPSK	1	8	23.13	23.24	23.04		24		
1.4	QPSK	1	16	23.20	23.13	23.17		24.5	0	
1.4	QPSK	8	0	23.27	23.27	23.30				
1.4	QPSK	8	4	23.19	23.06	23.09		23.5	1	
1.4	QPSK	8	7	23.24	23.30	23.22				
1.4	QPSK	16	0	23.23	23.29	23.25				
1.4	QPSK	16	0	22.49	22.58	22.51		23.5	1	
1.4	16QAM	1	0	22.28	22.49	22.50				
1.4	16QAM	1	16	22.45	22.38	22.44		23.5	1	
1.4	16QAM	8	0	21.14	21.35	21.19		22.5	2	
1.4	16QAM	8	4	21.18	21.38	21.19		22.5	2	
1.4	16QAM	8	7	21.49	21.60	21.19		22.5	2	
1.4	16QAM	16	0	21.30	21.38	21.28				
1.4	64QAM	1	0	21.49	21.64	21.72				
1.4	64QAM	1	8	21.57	21.64	21.59		22.5	2	
1.4	64QAM	1	16	21.70	21.49	21.54				
1.4	64QAM	8	0	19.80	19.66	19.76		21.5	3	
1.4	64QAM	8	4	19.71	19.58	19.71		21.5	3	
1.4	64QAM	8	7	19.76	19.57	19.68		21.5	3	
1.4	64QAM	16	0	19.69	19.59	19.69				
Channel				26697	26865	27033				
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	23.11	23.31	23.21		Turn-on time (ms)	MPR (dB)	
1.4	QPSK	1	8	23.13	23.24	23.04		24		
1.4	QPSK	1	16	23.20	23.13	23.17		24.5	0	
1.4	QPSK	8	0	23.27	23.27	23.30				
1.4	QPSK	8	4	23.19	23.06	23.09		23.5	1	
1.4	QPSK	8	7	23.24	23.30	23.22				
1.4	QPSK	16	0	23.23	23.29	23.25				
1.4	QPSK	16	0	22.49	22.58	22.51		23.5	1	
1.4	16QAM	1	0	22.29	22.51	22.45				
1.4	16QAM	1	8	22.49	22.42	22.48		23.5	1	
1.4	16QAM	8	0	21.14	21.35	21.19		22.5	2	
1.4	16QAM	8	4	21.18	21.44	21.19		22.5	2	
1.4	16QAM	8	7	21.49	21.60	21.19		22.5	2	
1.4	16QAM	16	0	21.30	21.38	21.28				
1.4	64QAM	1	0	21.49	21.64	21.72				
1.4	64QAM	1	8	21.57	21.64	21.59		22.5	2	
1.4	64QAM	1	16	21.70	21.49	21.54				
1.4	64QAM	8	0	19.80	19.66	19.76		21.5	3	
1.4	64QAM	8	4	19.71	19.58	19.71		21.5	3	
1.4	64QAM	8	7	19.76	19.57	19.68		21.5	3	
1.4	64QAM	16	0	19.69	19.59	19.69				
1.4	QPSK	1	0	23.11	23.31	23.21		Turn-on time (ms)	MPR (dB)	
1.4	QPSK	1	8	23.13	23.24	23.04		24		
1.4	QPSK	1	16	23.20	23.13	23.17		24.5	0	
1.4	QPSK	8	0	23.27	23.27	23.30				
1.4	QPSK	8	4	23.19	23.06	23.09		23.5	1	
1.4	QPSK	8	7	23.24	23.30	23.22				
1.4	QPSK	16	0	23.23	23.29	23.25				
1.4	QPSK	16	0	22.49	22.58	22.51		23.5	1	
1.4	16QAM	1	0	22.29	22.51	22.45				
1.4	16QAM	1	8	22.49	22.42	22.48		23.5	1	
1.4	16QAM	8	0	21.14	21.35	21.19		22.5	2	
1.4	16QAM	8	4	21.18	21.44	21.19		22.5	2	
1.4	16QAM	8	7	21.49	21.60	21.19		22.5	2	
1.4	16QAM	16	0	21.30	21.38	21.28				
1.4	64QAM	1	0	21.49	21.64	21.72				
1.4	64QAM	1	8	21.57	21.64	21.59		22.5	2	
1.4	64QAM	1	16	21.70	21.49	21.54				
1.4	64QAM	8	0	19.80	19.66	19.76		21.5	3	
1.4	64QAM	8	4	19.71	19.58	19.71		21.5	3	
1.4	64QAM	8	7	19.76	19.57	19.68		21.5	3	
1.4	64QAM	16	0	19.69	19.59	19.69				

Band 66_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	1720	1745	1770			
20	QPSK	1	48	23.64	23.67	23.71	24.5	0	
20	QPSK	1	96	23.70	23.50	23.57			
20	QPSK	50	0	22.77	22.83	22.85			
20	QPSK	50	24	22.71	22.86	22.77			
20	QPSK	50	50	22.67	22.71	22.69	23.5	1	
20	QPSK	100	0	22.60	22.70	22.69			
20	16QAM	1	0	23.39	23.20	23.23			
20	16QAM	1	48	23.40	23.45	23.30	23.5	1	
20	16QAM	1	96	23.18	23.33	23.44			
20	16QAM	50	0	21.71	21.79	21.73			
20	16QAM	50	24	21.65	21.68	21.74	22.5	2	
20	16QAM	50	50	21.64	21.73	21.75			
20	16QAM	100	0	21.63	21.74	21.72			
20	64QAM	1	0	21.60	21.64	21.66	22.5	2	
20	64QAM	1	48	21.74	21.30	21.57			
20	64QAM	1	96	21.76	21.91	21.89			
20	64QAM	50	0	20.36	20.41	20.35			
20	64QAM	50	24	20.30	20.36	20.34	21.5	3	
20	64QAM	50	50	20.20	20.34	20.31			
20	64QAM	100	0	20.21	20.21	20.44			
Channel									
Frequency (MHz)									
15	QPSK	1	0	13202	13232	13257			
15	QPSK	1	37	23.60	23.35	23.46	24.5	0	
15	QPSK	1	74	23.45	23.34	23.33			
15	QPSK	36	0	22.61	22.62	22.56			
15	QPSK	36	36	22.50	22.40	22.36	23.5	1	
15	QPSK	36	36	22.49	22.53	22.53			
15	QPSK	75	0	22.39	22.54	22.48			
15	16QAM	1	0	23.33	23.16	23.17	23.5	1	
15	16QAM	1	37	23.37	23.36	23.27			
15	16QAM	1	74	23.16	23.31	23.43			
15	16QAM	36	0	21.68	21.71	21.72	22.5	2	
15	16QAM	36	36	21.58	21.61	21.64			
15	16QAM	36	36	21.61	21.69	21.67			
15	16QAM	75	0	21.56	21.66	21.70			
15	64QAM	1	0	21.52	21.35	21.58	22.5	2	
15	64QAM	1	37	21.71	21.96	21.55			
15	64QAM	1	74	21.72	21.84	21.79			
15	64QAM	36	0	20.33	20.34	20.31	21.5	3	
15	64QAM	36	36	20.21	20.27	20.18			
15	64QAM	36	36	20.15	20.31	20.19			
15	64QAM	75	0	20.18	20.12	20.37			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.61	23.64	23.52	24.5	0	
10	QPSK	1	25	23.64	23.32	23.45			
10	QPSK	1	49	23.48	23.30	23.35			
10	QPSK	25	0	22.60	22.60	22.58	23.5	1	
10	QPSK	25	12	22.50	22.47	22.52			
10	QPSK	25	25	22.44	22.53	22.53			
10	QPSK	50	0	22.44	22.46	22.46			
10	16QAM	1	0	23.37	23.15	23.21	23.5	1	
10	16QAM	1	25	23.35	23.39	23.26			
10	16QAM	1	49	23.15	23.28	23.42	22.5	2	
10	16QAM	25	0	21.66	21.70	21.68			
10	16QAM	25	12	21.58	21.63	21.68			
10	16QAM	25	25	21.61	21.69	21.71	21.5	3	
10	16QAM	50	0	21.61	21.68	21.63			
10	64QAM	1	0	21.61	21.62	21.63	22.5	2	
10	64QAM	1	25	21.69	21.91	21.53			
10	64QAM	1	49	21.75	21.88	21.81			
10	64QAM	25	0	20.36	20.40	20.32	21.5	3	
10	64QAM	25	12	20.29	20.29	20.15			
10	64QAM	25	25	20.18	20.26	20.13			
10	64QAM	50	0	20.20	20.17	20.38			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.68	23.71	23.57	24.5	0	
5	QPSK	1	12	23.58	23.31	23.47			
5	QPSK	1	24	23.47	23.30	23.36			
5	QPSK	12	0	22.56	22.61	22.61	23.5	1	
5	QPSK	12	7	22.56	22.41	22.57			
5	QPSK	12	13	22.42	22.56	22.45			
5	QPSK	25	0	22.36	22.53	22.45	23.5	1	
5	16QAM	1	0	23.31	23.17	23.17			
5	16QAM	1	12	23.36	23.41	23.24	22.5	2	
5	16QAM	1	24	23.68	23.25	23.44			
5	16QAM	12	0	21.61	21.77	21.67			
5	16QAM	12	7	21.56	21.59	21.65	21.5	3	
5	16QAM	12	13	21.60	21.68	21.72			
5	16QAM	25	0	21.56	21.65	21.67			
5	64QAM	1	0	21.56	21.54	21.61	22.5	2	
5	64QAM	1	12	21.72	21.85	21.56			
5	64QAM	1	24	21.66	21.87	21.89			
5	64QAM	12	0	20.33	20.38	20.32	21.5	3	
5	64QAM	12	7	20.24	20.20	20.16			
5	64QAM	12	13	20.11	20.30	20.11			
5	64QAM	25	0	20.13	20.14	20.38			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.68	23.68	23.57	24.5	0	
3	QPSK	1	8	23.63	23.30	23.44			
3	QPSK	1	14	23.45	23.32	23.37			
3	QPSK	8	0	22.54	22.62	22.63	23.5	1	
3	QPSK	8	4	22.50	22.47	22.54			
3	QPSK	8	7	22.48	22.31	22.48			
3	QPSK	15	0	22.35	22.45	22.53			
3	16QAM	1	0	23.35	23.18	23.22	23.5	1	
3	16QAM	1	8	23.35	23.41	23.24			
3	16QAM	8	7	23.63	23.50	23.72			
3	16QAM	8	4	21.68	21.65	21.73	22.5	2	
3	16QAM	8	7	21.63	21.63	21.72			
3	16QAM	15	0	21.58	21.72	21.65			
3	64QAM	1	0	21.52	21.59	21.65	22.5	2	
3	64QAM	1	8	21.71	21.52	21.53			
3	64QAM	8	14	21.56	21.55	21.56			
3	64QAM	8	0	20.27	20.40	20.31	21.5	3	
3	64QAM	8	4	20.22	20.29	20.20			
3	64QAM	8	7	20.14	20.25	20.14			
3	64QAM	15	0	20.16	20.12	20.36			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.64	23.69	23.56	24.5	0	
1.4	QPSK	1	3	23.64	23.37	23.39			
1.4	QPSK	1	5	23.52	23.32	23.32			
1.4	QPSK	3	0	23.63	23.68	23.47			
1.4	QPSK	3	1	23.61	23.27	23.29	23.5	1	
1.4	QPSK	3	3	23.48	23.24	23.26			
1.4	QPSK	6	0	22.40	22.50	22.46			
1.4	16QAM	1	0	23.32	23.10	23.16	23.5	1	
1.4	16QAM	1	3	23.36	23.43	23.21			
1.4	16QAM	1	5	23.15	23.31	23.40			
1.4	16QAM	3	0	23.30	23.03	23.15	22.5	2	
1.4	16QAM	3	1	23.30	23.37	23.34			
1.4	16QAM	3	3	23.14	23.27	23.34			
1.4	64QAM	6	0	21.56	21.69	21.68	21.5	3	
1.4	64QAM	1	0	21.51	21.63	21.64			
1.4	64QAM	1	3	21.66	21.32	21.56			
1.4	64QAM	1	5	21.70	21.83	21.79	22.5	2	
1.4	64QAM	3	0	21.47	21.59	21.62			
1.4	64QAM	3	1	21.61	21.89	21.69			
1.4	64QAM	3	3	21.64	21.78	21.72	21.5	3	
1.4	64QAM	6	0	20.20	20.16	20.38			

Band 66_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Channel				130272	132322	130272			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.67	23.72	23.65			
20	QPSK	1	48	23.57	23.50	23.64	24.5	0	
20	QPSK	1	96	23.50	23.53	23.60			
20	QPSK	50	0	22.73	22.81	22.77			
20	QPSK	50	24	22.71	22.57	22.65	23.5	1	
20	QPSK	50	50	22.64	22.66	22.52			
20	QPSK	100	0	22.65	22.77	22.72			
20	16QAM	1	0	22.61	22.72	22.66			
20	16QAM	1	48	22.58	22.62	22.70	23.5	1	
20	16QAM	1	96	22.50	22.52	22.58			
20	16QAM	50	0	21.63	21.72	21.74			
20	16QAM	50	24	21.60	21.70	21.61	22.5	2	
20	16QAM	50	50	21.58	21.64	21.52			
20	16QAM	100	0	21.58	21.67	21.71			
20	64QAM	1	0	21.57	21.36	21.47			
20	64QAM	1	48	21.54	21.40	21.50	22.5	1	
20	64QAM	1	96	21.53	21.60	21.52			
20	64QAM	50	0	20.14	20.15	20.35			
20	64QAM	50	24	20.16	20.22	20.31	21.5	1	
20	64QAM	50	50	20.11	20.20	20.26			
20	64QAM	100	0	20.20	20.20	20.31			
Channel				130247	132322	130299	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	23.51	23.50	23.44			
15	QPSK	1	48	23.34	23.27	23.35	24.5	0	
15	QPSK	1	96	23.28	23.30	23.43			
15	QPSK	36	0	22.55	22.63	22.57			
15	QPSK	36	48	22.58	22.62	22.49	23.5	1	
15	QPSK	36	96	22.40	22.50	22.36			
15	QPSK	75	0	22.41	22.55	22.49			
15	16QAM	1	0	22.58	22.63	22.64			
15	16QAM	1	48	22.57	22.62	22.64	23.5	1	
15	16QAM	1	96	22.51	22.57	22.63			
15	16QAM	36	0	21.53	21.64	21.71			
15	16QAM	36	48	21.51	21.61	21.68	22.5	2	
15	16QAM	36	96	21.44	21.62	21.69			
15	16QAM	75	0	21.48	21.63	21.67			
15	16QAM	1	0	21.49	21.30	21.39			
15	16QAM	1	48	21.50	21.34	21.44	22.5	2	
15	64QAM	1	74	20.10	21.44	21.58			
15	64QAM	36	0	20.11	20.05	20.29			
15	64QAM	36	48	20.09	20.08	20.14	21.5	3	
15	64QAM	36	96	20.01	20.37	20.19			
15	64QAM	75	0	20.17	20.13	20.22			
Channel				132022	132322	132022	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1745	1745	1745			
10	QPSK	1	0	24.48	23.52	23.43			
10	QPSK	1	25	23.40	23.25	23.47	24.5	0	
10	QPSK	1	49	23.26	23.35	23.37			
10	QPSK	1	73	23.21	23.22	23.39			
10	QPSK	25	12	22.50	22.40	22.47	23.5	1	
10	QPSK	25	25	22.39	22.41	22.28			
10	QPSK	1	0	22.46	22.52	22.58			
10	16QAM	1	0	22.58	22.63	22.65			
10	16QAM	1	25	22.50	22.63	22.69	23.5	1	
10	16QAM	1	49	22.52	22.69	22.67			
10	16QAM	1	73	22.51	22.69	22.65			
10	16QAM	25	12	21.58	21.60	21.58	22.5	2	
10	16QAM	25	25	21.53	21.60	21.63			
10	16QAM	1	0	21.54	21.38	21.43	22.5	1	
10	64QAM	1	25	21.50	21.34	21.38			
10	64QAM	1	49	21.51	21.36	21.40	22.5	1	
10	64QAM	1	73	21.50	21.48	21.57			
10	64QAM	25	12	20.13	20.20	20.38	21.5	3	
10	64QAM	25	25	20.05	20.36	20.19			
10	64QAM	1	0	20.16	20.18	20.30			
Channel				131915	132322	130447	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	23.45	23.55	23.45			
5	QPSK	1	12	23.38	23.28	23.47	24.5	0	
5	QPSK	1	24	23.33	23.33	23.51			
5	QPSK	12	0	22.54	22.57	22.52			
5	QPSK	12	7	22.54	22.43	22.43	23.5	1	
5	QPSK	12	14	22.45	22.42	22.44			
5	QPSK	25	0	22.45	22.56	22.50			
5	16QAM	1	0	22.60	22.68	22.63			
5	16QAM	1	12	22.49	22.52	22.60	23.5	1	
5	16QAM	1	24	22.51	22.70	22.67			
5	16QAM	12	0	21.55	21.84	21.67			
5	16QAM	12	7	21.59	21.64	21.53	22.5	2	
5	16QAM	12	14	21.54	21.65	21.57			
5	16QAM	25	0	21.55	21.60	21.70			
5	64QAM	1	0	21.48	21.30	21.39			
5	64QAM	1	12	21.53	21.37	21.44	22.5	2	
5	64QAM	1	24	21.51	21.49	21.50			
5	64QAM	12	0	20.13	20.08	20.33			
5	64QAM	12	7	20.14	20.20	20.18	21.5	3	
5	64QAM	12	14	20.03	20.37	20.19			
5	64QAM	25	0	20.17	20.11	20.24			
Channel				131987	132322	130607	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	23.49	23.29	23.43			
3	QPSK	1	3	23.32	23.26	23.40	24.5	0	
3	QPSK	1	14	23.33	23.36	23.37			
3	QPSK	8	0	22.54	22.56	22.52			
3	QPSK	8	3	22.52	22.52	22.54	23.5	1	
3	QPSK	8	7	22.47	22.50	22.57			
3	QPSK	15	0	22.44	22.54	22.49			
3	16QAM	1	0	22.53	22.62	22.53			
3	16QAM	1	8	22.56	22.53	22.66	23.5	1	
3	16QAM	1	14	22.59	22.77	22.59			
3	16QAM	8	0	21.61	21.69	21.72			
3	16QAM	8	3	21.58	21.67	21.64	22.5	2	
3	16QAM	8	7	21.52	21.61	21.71			
3	16QAM	15	0	21.48	21.64	21.57			
3	64QAM	1	0	21.53	21.37	21.43	22.5	2	
3	64QAM	1	8	21.51	21.52	21.46			
3	64QAM	1	14	21.53	21.47	21.56			
3	64QAM	8	0	20.06	20.08	20.29			
3	64QAM	8	3	20.14	20.14	20.16	21.5	3	
3	64QAM	15	0	20.09	20.35	20.19			
Channel				131987	132322	130607	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1779.5			
1.4	QPSK	1	0	23.49	23.29	23.43			
1.4	QPSK	1	3	23.39	23.29	23.42	24.5	0	
1.4	QPSK	1	8	23.25	23.32	23.35			
1.4	QPSK	1	15	23.39	23.43	23.37			
1.4	QPSK	3	1	23.36	23.20	23.39			
1.4	QPSK	3	3	23.33	23.25	23.25	23.5	1	
1.4	QPSK	3	8	22.48	22.52	22.53			
1.4	16QAM	1	0	22.57	22.71	22.56			
1.4	16QAM	1	3	22.55	22.57	22.65			
1.4	16QAM	1	8	22.58	22.75	22.61	23.5	1	
1.4	16QAM	3	0	22.52	22.62	22.62			
1.4	16QAM	3	3	22.51	22.47	22.60			
1.4	16QAM	3	8	22.55	22.68	22.51			
1.4	64QAM	1	0	21.54	21.36	21.43	22.5	2	
1.4	64QAM	1	3	21.53	21.26	21.38			
1.4	64QAM	1	8	21.49	21.32	21.48			
1.4	64QAM	3	0	21.50	21.49	21.56	22.5	2	
1.4	64QAM	3	3	21.52	21.36	21.47			
1.4	64QAM	3	8	21.42	21.23	21.38			
1.4	64QAM	3	1	21.46	21.47	21.52	21.5	1	
1.4	64QAM	3	3	20.20	20.35	20.25			

Band 38_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up Int (sec)	MPE (dB)		
Channel										
Frequency (MHz)				37650	38000	38150				
20	QPSK	1	0	24.30	24.30	24.30				
20	QPSK	1	49	24.15	24.17	24.17	25	0		
20	QPSK	1	99	24.02	24.02	24.02				
20	QPSK	50	0	23.23	23.28	23.35				
20	QPSK	50	24	23.35	23.35	23.38	24	1		
20	QPSK	50	50	23.05	23.05	23.05				
20	16QAM	1	0	22.54	22.71	22.86				
20	16QAM	1	49	22.88	22.72	22.77	24	1		
20	16QAM	1	99	22.54	22.78	22.88				
20	16QAM	50	0	22.52	22.50	22.50				
20	16QAM	50	24	22.51	22.43	22.38	23	2		
20	16QAM	50	50	22.55	22.45	22.50				
20	16QAM	100	0	22.59	22.40	22.45				
20	64QAM	1	49	21.85	21.38	21.38	24	2		
20	64QAM	1	99	21.60	21.35	21.44				
20	64QAM	50	0	20.54	20.55	20.49				
20	64QAM	50	24	20.61	20.55	20.58	22	3		
20	64QAM	50	50	20.60	20.57	20.52				
20	64QAM	100	0	20.58	20.44	20.55				
Channel										
Frequency (MHz)				37625	38000	38175	Time-up Int (sec)	MPE (dB)		
15	QPSK	1	0	24.13	24.23	24.23				
15	QPSK	1	37	24.12	24.14	24.09	25	0		
15	QPSK	1	74	24.14	24.15	24.15				
15	QPSK	36	0	23.25	23.35	23.35				
15	QPSK	36	20	23.25	23.25	23.28	24	1		
15	QPSK	36	39	23.27	23.18	23.28				
15	16QAM	1	0	22.48	22.70	22.69				
15	16QAM	1	37	22.82	22.72	22.71	24	1		
15	16QAM	1	74	22.82	22.70	22.88				
15	16QAM	36	0	22.45	22.40	22.27				
15	16QAM	36	20	22.41	22.33	22.35	23	2		
15	16QAM	36	39	22.43	22.40	22.38				
15	64QAM	1	0	22.30	22.34	22.42				
15	64QAM	1	37	21.56	21.28	21.41	23	2		
15	64QAM	1	74	21.61	21.59	21.53				
15	64QAM	36	0	20.53	20.52	20.42				
15	64QAM	36	20	20.59	20.45	20.52	22	3		
15	64QAM	36	39	20.58	20.48	20.48				
15	64QAM	75	0	20.55	20.38	20.46				
Channel										
Frequency (MHz)				37600	38000	38200	Time-up Int (sec)	MPE (dB)		
10	QPSK	1	0	24.22	24.27	24.17				
10	QPSK	1	25	24.10	24.10	24.12	25	0		
10	QPSK	1	49	24.09	24.07	24.20				
10	QPSK	25	0	23.31	23.38	23.30				
10	QPSK	25	13	23.30	23.18	23.25	24	1		
10	QPSK	50	0	23.26	23.31	23.17				
10	16QAM	1	0	22.52	22.60	22.65				
10	16QAM	1	25	22.81	22.72	22.75	24	1		
10	16QAM	1	49	22.82	22.75	22.81				
10	16QAM	25	0	22.43	22.45	22.39				
10	16QAM	25	13	22.41	22.39	22.54	23	2		
10	16QAM	50	0	22.31	22.38	22.39				
10	64QAM	1	0	21.61	21.29	21.44				
10	64QAM	1	25	21.63	21.38	21.25	23	2		
10	64QAM	1	49	21.61	21.27	21.43				
10	64QAM	25	0	20.52	20.53	20.47				
10	64QAM	25	13	20.56	20.47	20.54	22	3		
10	64QAM	25	25	20.44	20.31	20.45				
10	64QAM	50	0	20.52	20.39	20.54				
Channel										
Frequency (MHz)				37775	38000	38225	Time-up Int (sec)	MPE (dB)		
5	QPSK	1	0	24.18	24.26	24.12				
5	QPSK	1	12	24.10	24.19	24.16	25	0		
5	QPSK	1	24	24.18	24.19	24.20				
5	QPSK	12	0	23.32	23.40	23.31				
5	QPSK	12	7	23.24	23.18	23.25	24	1		
5	QPSK	25	0	23.22	23.34	23.25				
5	16QAM	1	0	22.48	22.65	22.60				
5	16QAM	1	12	22.83	22.64	22.75	24	1		
5	16QAM	1	24	22.48	22.74	22.81				
5	16QAM	12	0	22.43	22.40	22.27				
5	16QAM	12	7	22.47	22.38	22.39	23	2		
5	16QAM	12	13	22.45	22.43	22.44				
5	16QAM	25	0	22.31	22.35	22.46				
5	64QAM	1	0	21.52	21.29	21.42				
5	64QAM	1	12	21.59	21.27	21.29	23	2		
5	64QAM	1	24	21.60	21.33	21.42				
5	64QAM	12	0	20.46	20.50	20.46				
5	64QAM	12	7	20.58	20.48	20.54	22	3		
5	64QAM	12	13	20.57	20.38	20.51				
5	64QAM	25	0	20.54	20.35	20.51				

Band 38_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up Int (sec)	MPE (dB)		
Channel										
Frequency (MHz)				37500	38000	38150				
20	QPSK	1	0	24.30	24.33	24.30				
20	QPSK	1	49	24.47	24.53	24.49	25	0		
20	QPSK	1	99	24.51	24.54	24.48				
20	QPSK	50	0	23.52	23.63	23.59				
20	QPSK	50	24	23.54	23.58	23.41	24	1		
20	QPSK	50	50	23.58	23.65	23.52				
20	QPSK	100	0	23.58	23.60	23.52				
20	16QAM	1	0	23.02	22.84	22.87				
20	16QAM	1	49	22.98	22.88	22.78	24	1		
20	16QAM	1	99	23.12	23.18	22.89				
20	16QAM	50	0	22.66	22.66	22.50				
20	16QAM	50	24	22.76	22.54	22.55	23	2		
20	16QAM	50	50	22.80	22.53	22.71				
20	16QAM	100	0	22.52	22.60	22.50				
20	64QAM	1	49	21.82	21.65	21.58	23	2		
20	64QAM	1	99	21.68	21.38	21.62				
20	64QAM	50	0	20.71	20.61	20.53				
20	64QAM	50	24	20.79	20.50	20.59	22	3		
20	64QAM	50	50	20.79	20.58	20.74				
20	64QAM	100	0	20.73	20.62	20.60				
Channel										
Frequency (MHz)				26775 <th>26925</th> <th>26125<th>Time-up Int (sec)</th><th>MPE (dB)</th><th colspan="2"></th></th>	26925	26125 <th>Time-up Int (sec)</th> <th>MPE (dB)</th> <th colspan="2"></th>	Time-up Int (sec)	MPE (dB)		
15	QPSK	1	0	24.43	24.52	24.43				
15	QPSK	1	37	24.37	24.48	24.34	25	0		
15	QPSK	1	74	24.48	24.44	24.47				
15	QPSK	36	0	23.50	23.58	23.43				
15	QPSK	36	20	23.48	23.30	23.33	24	1		
15	QPSK	36	39	23.48	23.58	23.48				
15	16QAM	1	0	22.92	22.75	22.63				
15	16QAM	1	37	22.89	22.80	22.77	24	1		
15	16QAM	1	74	23.08	23.13	23.03				
15	16QAM	36	0	22.63	22.49	22.47				
15	16QAM	36	20	22.67	22.51	22.50	23	2		
15	16QAM	36	39	22.70	22.60	22.63				
15	16QAM	75	0	22.44	22.52	22.44				
15	64QAM	1	0	21.52	21.61	21.53				
15	64QAM	1	37	21.60	21.51	21.51	23	2		
15	64QAM	1	74	21.60	21.37	21.58				
15	64QAM	36	0	20.71	20.61	20.53				
15	64QAM	36	20	20.75	20.50	20.50	22	3		
15	64QAM	36	39	20.73	20.51	20.72				
15	64QAM	75	0	20.71	20.53	20.54				
Channel										
Frequency (MHz)				37500	38000	38150	Time-up Int (sec)	MPE (dB)		
10	QPSK	1	0	24.54	24.53	24.41				
10	QPSK	1	25	24.45	24.48	24.32	25	0		
10	QPSK	1	49	24.45	24.52	24.41				
10	QPSK	25	0	23.59	23.59	23.51				
10	QPSK	25	13	23.44	23.35	23.38	24	1		
10	QPSK	50	0	23.50	23.50	23.42				
10	16QAM	1	0	22.97	22.93	22.81				
10	16QAM	1	25	22.96	22.75	22.75	24	1		
10	16QAM	1	49	23.03	23.07	22.85				
10	16QAM	25	0	22.44	22.44	22.44				
10	16QAM	25	13	22.42	22.32	22.32	23	2		
10	16QAM	25	26	22.42	22.32	22.32				
10	16QAM	50	0	21.90	21.90	21.81				
10	16QAM	50	13	21.84	21.47	21.47	23	2		
10	16QAM	50	26	21.60	21.31	21.52				
10	64QAM	1	0	20.68	20.68	20.59				
10	64QAM	1	25	20.74	20.50	20.50	22	3		
10	64QAM	25	13	20.71	20.50	20.57				
10	64QAM	25	26	20.71	20.51	20.72				
Channel										
Frequency (MHz)				29775	29950	29915	Time-up Int (sec)	MPE (dB)		
5	QPSK	1	0	24.58	24.58	24.17				
5	QPSK	1	12	24.47	24.47	24.31	25	0		
5	QPSK	1	24	24.47	24.49	24.42				
5	QPSK	12	0	23.52	23.62	23.53				
5	QPSK	12	12	23.48	23.34	23.44	24	1		
5	QPSK	12	13	23.48	23.52	23.49				
5	QPSK	24	0	23.50	23.50	23.42				
5	16QAM	1	0	22.99	22.92	22.75				
5	16QAM	1	12	22.95	22.87	22.72	24	1		
5	16QAM	1	24	23.02	23.15	22.87				
5	16QAM	12	0	22.64	22.64	22.47				
5	16QAM	12	17	22.67	22.46	22.46				
5	16QAM	12	24	22.62	22.46	22.46	23	2		
5	16QAM	24	0	22.44	22.54	22.42				
5	64QAM	1	0	21.57	21.63	21.51				
5	64QAM	1	12	21.62	21.46	21.46	23	2		
5	64QAM	1	24	21.65	21.31	21.60				
5	64QAM	12	0	20.77	20.68	20.66				
5	64QAM	12	12	20.74	20.49	20.59	22	3		
5	64QAM	12	24	20.69	20.49	20.54				

Reduced Power Mode for DSI5

GSM850_Ant 31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	190	251		128	190	251	
Tx Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)								
GSM 1 Tx slot	32.87	32.72	32.69	33.50	23.67	23.72	23.69	24.50
GPRS 1 Tx slot	32.58	32.70	32.68	33.50	23.58	23.70	23.68	24.50
GPRS 2 Tx slots	30.43	30.63	30.69	31.50	24.43	24.63	24.69	25.50
GPRS 3 Tx slots	28.65	28.92	29.81	29.50	24.39	24.50	24.55	25.24
GPRS 4 Tx slots	26.54	26.77	26.70	27.50	23.54	23.77	23.70	24.50
EDGE 1 Tx slot	25.26	25.42	25.55	27.00	16.26	16.42	16.55	18.00
EDGE 2 Tx slots	24.06	24.61	24.57	25.50	18.08	18.61	18.57	19.50
EDGE 3 Tx slots	21.51	21.92	22.16	23.00	17.25	17.66	17.95	18.74
EDGE 4 Tx slots	19.05	19.41	19.52	20.50	16.05	16.41	16.52	17.50

GSM1900_Ant 31	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Tx Channel	1652.2	1653	1653.5		1652.2	1653	1653.5	
Frequency (MHz)								
GSM 1 Tx slot	29.66	29.70	29.62	31.00	20.66	20.70	20.62	22.00
GPRS 1 Tx slot	29.65	29.67	29.60	31.00	20.65	20.67	20.60	22.00
GPRS 2 Tx slots	27.86	27.96	27.90	26.50	21.86	21.96	21.90	22.50
GPRS 3 Tx slots	25.93	25.95	25.92	26.50	21.67	21.69	21.66	22.24
GPRS 4 Tx slots	23.90	23.96	23.93	24.50	20.92	20.96	20.93	21.90
EDGE 1 Tx slot	26.93	26.95	26.92	27.00	17.93	17.95	17.92	18.50
EDGE 2 Tx slots	24.97	24.91	24.61	25.50	18.97	18.91	18.61	19.50
EDGE 3 Tx slots	22.58	22.49	22.18	23.50	18.32	18.23	17.92	19.24
EDGE 4 Tx slots	20.51	19.91	19.90	21.50	17.51	16.91	16.90	18.50

Band	WCDMA S_Ant 31			Tune-up Limit (dBm)	WCDMA M_Ant 31			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Tx Channel	9662	9800	9938		1537	1638	1738	
Rx Channel	1162.4	1160	1167.6		1712.4	1732.6	1752.6	
Frequency (MHz)								
3GPP Rel 99 RMC 12.2kops	24.07	24.13	24.08	25.00	23.90	23.92	23.97	25.00
3GPP Rel 99 RMC 12.2kops	24.11	24.16	24.13	25.00	23.92	24.02	23.98	25.00
3GPP Rel 6 HSDPA Subtest-1	23.53	23.35	23.66	24.00	23.46	23.56	23.44	24.00
3GPP Rel 6 HSDPA Subtest-2	23.25	23.03	23.27	23.50	23.41	23.55	23.41	24.00
3GPP Rel 6 HSDPA Subtest-3	22.47	22.23	22.38	23.00	23.36	23.50	23.36	24.00
3GPP Rel 6 HSDPA Subtest-4	23.06	22.85	22.97	23.50	23.40	23.54	23.37	24.00
3GPP Rel 6 DC-HSDPA Subtest-1	23.28	23.18	23.50	24.00	23.21	23.38	23.25	24.00
3GPP Rel 6 DC-HSDPA Subtest-2	23.08	22.78	23.03	23.50	23.19	23.30	23.20	24.00
3GPP Rel 6 DC-HSDPA Subtest-3	22.22	22.02	22.19	23.00	23.14	23.27	23.17	24.00
3GPP Rel 6 DC-HSDPA Subtest-4	22.87	22.68	22.78	23.50	23.16	23.31	23.19	24.00
3GPP Rel 6 HSUPA Subtest-1	26.93	26.92	21.09	21.50	22.81	23.02	22.96	23.50
3GPP Rel 6 HSUPA Subtest-2	21.68	21.73	21.76	22.50	23.20	23.43	23.23	23.50
3GPP Rel 6 HSUPA Subtest-3	21.66	21.66	21.75	22.50	23.22	23.39	23.24	23.50
3GPP Rel 6 HSUPA Subtest-4	21.67	21.81	22.00	22.50	23.41	23.46	23.45	23.50
3GPP Rel 6 HSUPA Subtest-5	23.70	23.50	23.80	24.00	23.70	23.80	23.70	24.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	22.72	22.80	22.70	23.50	22.76	22.82	22.94	23.50

Band	WCDMA V_Ant 31			Tune-up Limit (dBm)
	4132	4182	4233	
Tx Channel	4367	4407	4458	
Rx Channel	824.4	824.4	848.6	
Frequency (MHz)				
3GPP Rel 99 RMC 12.2kops	24.02	24.12	24.04	25.00
3GPP Rel 99 RMC 12.2kops	24.12	24.15	24.11	25.00
3GPP Rel 6 HSDPA Subtest-1	23.21	23.10	23.22	24.00
3GPP Rel 6 HSDPA Subtest-2	22.75	22.86	22.90	23.00
3GPP Rel 6 HSDPA Subtest-3	22.48	22.54	22.58	23.00
3GPP Rel 6 HSDPA Subtest-4	22.40	22.45	22.34	23.00
3GPP Rel 6 DC-HSDPA Subtest-1	22.99	22.84	23.01	24.00
3GPP Rel 6 DC-HSDPA Subtest-2	22.54	22.61	22.74	23.00
3GPP Rel 6 DC-HSDPA Subtest-3	22.27	22.29	22.39	23.00
3GPP Rel 6 DC-HSDPA Subtest-4	22.21	22.21	22.17	23.00
3GPP Rel 6 HSUPA Subtest-1	21.40	21.27	21.31	21.50
3GPP Rel 6 HSUPA Subtest-2	21.87	21.72	21.64	22.00
3GPP Rel 6 HSUPA Subtest-3	21.88	21.93	21.69	22.00
3GPP Rel 6 HSUPA Subtest-4	21.48	21.45	21.48	21.50
3GPP Rel 6 HSUPA Subtest-5	23.56	23.60	23.56	24.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	23.04	22.94	22.91	23.50

Band 2_Ant 31														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (Fwd. Co.)	Power Middle (Fwd. Co.)	Power High (Fwd. Co.)	Turn-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.65	23.69	23.62	24.5	0						
20	QPSK	1	48	23.62	23.53	23.57								
20	QPSK	1	96	23.61	23.59	23.55								
20	QPSK	50	0	22.00	22.08	22.05								
20	QPSK	50	24	22.02	22.42	22.50	23.5	1						
20	QPSK	50	50	22.52	22.63	22.62								
20	QPSK	100	0	22.57	22.62	22.52								
20	16QAM	1	0	22.68	22.60	22.62								
20	16QAM	1	48	22.70	22.58	22.53	23.5	1						
20	16QAM	1	96	22.62	22.85	22.58								
20	16QAM	50	0	21.68	21.74	21.62								
20	16QAM	50	24	21.76	21.66	21.62								
20	16QAM	50	50	21.72	21.63	21.66	22.5	2						
20	16QAM	100	0	21.72	21.65	21.58								
20	64QAM	1	0	21.80	21.62	21.66								
20	64QAM	1	48	21.83	21.73	21.87								
20	64QAM	1	96	21.65	21.62	21.86	21.5	3						
20	64QAM	50	0	20.32	20.20	20.25								
20	64QAM	50	24	20.24	20.20	20.11								
20	64QAM	50	50	20.32	20.20	20.20								
20	64QAM	100	0	20.33	20.18	20.14								
Channel														
Frequency (MHz)														
15	QPSK	1	0	18.675	18.690	18.725	Turn-up limit (dBm)	MPR (dB)						
15	QPSK	1	0	18.57	18.65	18.62								
15	QPSK	1	37	23.60	23.58	23.54								
15	QPSK	1	74	23.60	23.56	23.47								
15	QPSK	36	0	22.62	22.63	22.63	23.5	1						
15	QPSK	36	20	22.62	22.32	22.40								
15	QPSK	36	39	22.49	22.89	22.53								
15	QPSK	75	0	22.48	22.55	22.34								
15	16QAM	1	0	22.67	22.54	22.46	23.5	1						
15	16QAM	1	37	22.67	22.53	22.46								
15	16QAM	1	74	22.58	22.60	22.54								
15	16QAM	36	0	21.59	21.69	21.56								
15	16QAM	36	20	21.71	21.62	21.50	22.5	2						
15	16QAM	36	39	21.68	21.53	21.60								
15	16QAM	75	0	21.70	21.58	21.53								
15	64QAM	1	0	21.77	21.55	21.63								
15	64QAM	1	37	21.78	21.68	21.80	21.5	3						
15	64QAM	1	74	21.59	21.62	21.80								
15	64QAM	50	0	20.31	20.15	20.15								
15	64QAM	50	20	20.16	20.18	20.09								
15	64QAM	50	39	20.30	20.23	20.12								
15	64QAM	75	0	20.29	20.16	20.08								
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.59	23.65	23.56	24.5	0						
10	QPSK	1	25	23.53	23.44	23.47								
10	QPSK	1	49	23.55	23.56	23.47								
10	QPSK	25	0	22.51	22.63	22.68								
10	QPSK	25	12	22.47	22.33	22.40	23.5	1						
10	QPSK	25	25	22.48	22.61	22.57								
10	QPSK	50	0	22.56	22.56	22.48								
10	16QAM	1	0	22.67	22.57	22.56								
10	16QAM	1	25	22.65	22.57	22.46	23.5	1						
10	16QAM	1	49	22.57	22.63	22.52								
10	16QAM	25	0	21.66	21.68	21.53								
10	16QAM	25	12	21.71	21.56	21.54								
10	16QAM	25	25	21.63	21.62	21.64	22.5	2						
10	16QAM	50	0	21.68	21.59	21.57								
10	16QAM	50	0	21.75	21.53	21.60								
10	64QAM	1	25	21.78	21.71	21.79								
10	64QAM	1	49	21.64	21.53	21.84	21.5	3						
10	64QAM	25	0	20.31	20.17	20.22								
10	64QAM	25	12	20.23	20.19	20.10								
10	64QAM	25	25	20.25	20.23	20.13								
10	64QAM	50	0	20.24	20.14	20.10								
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.58	23.65	23.55	24.5	0						
5	QPSK	1	12	23.55	23.44	23.56								
5	QPSK	1	24	23.53	23.41	23.53								
5	QPSK	12	0	22.58	22.65	22.68								
5	QPSK	12	7	22.45	22.34	22.43	23.5	1						
5	QPSK	12	13	22.45	22.55	22.57								
5	QPSK	25	0	22.54	22.51	22.36								
5	16QAM	1	0	22.63	22.59	22.61								
5	16QAM	1	12	22.66	22.51	22.62	23.5	1						
5	16QAM	1	24	22.56	22.61	22.58								
5	16QAM	12	0	21.65	21.71	21.53								
5	16QAM	12	7	21.66	21.58	21.55								
5	16QAM	12	13	21.63	21.59	21.58	22.5	2						
5	16QAM	25	0	21.65	21.59	21.56								
5	64QAM	1	0	21.72	21.53	21.63								
5	64QAM	1	12	21.78	21.65	21.85								
5	64QAM	1	24	21.64	21.54	21.84	21.5	3						
5	64QAM	12	0	20.28	20.14	20.21								
5	64QAM	12	7	20.14	20.11	20.06								
5	64QAM	12	13	20.25	20.20	20.18								
5	64QAM	25	0	20.32	20.14	20.06								
Channel														
Frequency (MHz)														
1651	1651	1651	1651	1651	1651	1651	Turn-up limit (dBm)	MPR (dB)						
3	QPSK	1	0	23.59	23.65	23.61	24.5	0						
3	QPSK	1	8	23.59	23.45	23.52								
3	QPSK	1	14	23.59	23.47	23.50								
3	QPSK	8	0	22.53	22.66	22.58								
3	QPSK	8	4	22.45	22.40	22.44	23.5	1						
3	QPSK	8	7	22.45	22.36	22.56								
3	QPSK	15	0	22.55	22.53	22.30								
3	16QAM	1	0	22.58	22.55	22.56								
3	16QAM	1	8	22.68	22.53	22.47	23.5	1						
3	16QAM	1	14	22.55	22.63	22.51								
3	16QAM	8	0	21.60	21.69	21.60								
3	16QAM	8	4	21.71	21.57	21.57								
3	16QAM	8	7	21.70	21.62	21.65	22.5	2						
3	16QAM	15	0	21.62	21.62	21.56								
3	64QAM	1	0	21.72	21.54	21.56								
3	64QAM	1	8	21.75	21.69	21.79								
3	64QAM	1	14	21.57	21.55	21.81	21.5	3						
3	64QAM	8	0	20.30	20.16	20.24								
3	64QAM	8	4	20.23	20.10	20.02								
3	64QAM	8	7	20.27	20.22	20.16								
3	64QAM	15	0	20.31	20.09	20.07								
Channel														
Frequency (MHz)														
1652	1652	1652	1652	1652	1652	1652	Turn-up limit (dBm)	MPR (dB)						
1.4	QPSK	1	0	23.63	23.68	23.55	24.5	0						
1.4	QPSK	1	5	23.58	23.44	23.44								
1.4	QPSK	1	9	23.54	23.53	23.53								
1.4	QPSK	3	0	23.56	23.39	23.53								
1.4	QPSK	3	3	23.56	23.43	23.44	23.5	1						
1.4	QPSK	3	6	23.53	22.65	23.49								
1.4	QPSK	3	9	23.49	23.35	23.37								
1.4	16QAM	1	0	22.60	22.52	22.54								
1.4	16QAM	1	3	22.66	22.51	22.51	23.5	1						
1.4	16QAM	1	6	22.54	22.59	22.48								
1.4	16QAM	3	0	22.50	22.49	22.47								
1.4	16QAM	3	3	22.59	22.44	22.45								
1.4	16QAM	3	6	22.46	22.49	22.45	22.5	2						
1.4	16QAM	3	9	21.66	21.57	21.61								
1.4	64QAM	1	0	21.77	21.57	21.59								
1.4	64QAM	1	3	21.79	21.67	21.78								
1.4	64QAM	1	6	21.61	21.51	21.44	22.5	2						
1.4	64QAM	1	9	21.68	21.50	21.50								
1.4	64QAM	3	0	21.69	21.61	21.75								
1.4	64QAM	3	3	21.54	21.50	21.75								
1.4	64QAM	3	6	20.24	20.10	20.12	21.5	3						
1.4	64QAM	3	9	20.23	20.12	20.12								
1.4	64QAM	6	0	20.23	20.12	20.12								
1.4	64QAM	6	3	20.26	20.12	20.12								

Band 5_Ant 31									
BW [MHz]	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	21.98	23.93	21.92	25	0	
10	QPSK	1	25	22.98	23.93	22.92			
10	QPSK	1	49	23.85	23.87	23.81			
10	QPSK	25	0	22.74	22.72	22.69			
10	QPSK	25	12	22.77	22.70	22.77			
10	QPSK	50	0	22.66	22.70	22.64	24	1	
10	16QAM	1	0	22.95	22.95	22.99			
10	16QAM	1	25	22.80	22.76	22.91			
10	16QAM	1	49	22.84	22.80	22.87			
10	16QAM	25	0	21.81	21.96	21.71			
10	16QAM	25	12	21.68	21.68	21.61	23	2	
10	16QAM	25	25	21.76	21.91	21.83			
10	16QAM	50	0	21.79	21.77	21.86			
10	64QAM	1	0	21.64	21.58	21.56			
10	64QAM	1	25	21.67	21.67	21.86			
10	64QAM	1	49	21.71	21.62	21.83	23	2	
10	64QAM	25	0	20.88	20.91	20.95			
10	64QAM	25	12	20.86	20.94	20.92			
10	64QAM	25	25	20.80	20.84	20.82			
10	64QAM	50	0	20.75	20.79	20.92			
Channel				20425	20525	20625	Tune-up limit (dBm) MPR (dB)		
Frequency (MHz)				829.5	836.5	845.5			
5	QPSK	1	0	23.79	23.84	23.12	25	0	
5	QPSK	1	12	23.74	23.75	23.70			
5	QPSK	1	24	23.79	23.65	23.71			
5	QPSK	12	0	22.70	22.90	22.83			
5	QPSK	12	7	22.72	22.82	22.81			
5	QPSK	12	13	22.71	22.60	22.71	24	1	
5	QPSK	25	0	22.58	22.61	22.58			
5	16QAM	1	0	22.92	22.88	22.95			
5	16QAM	1	12	22.76	22.70	22.88			
5	16QAM	1	24	22.79	22.76	22.82			
5	16QAM	12	0	21.80	21.94	21.68	23	2	
5	16QAM	12	7	21.59	21.68	21.53			
5	16QAM	12	13	21.74	21.85	21.85			
5	16QAM	25	0	21.69	21.68	21.80			
5	64QAM	1	0	21.61	21.56	21.53			
5	64QAM	1	12	21.66	21.85	21.84	23	2	
5	64QAM	1	24	21.63	21.60	21.58			
5	64QAM	12	0	20.84	20.87	20.86			
5	64QAM	12	7	20.79	20.81	20.82			
5	64QAM	12	13	20.74	20.75	20.74			
5	64QAM	25	0	20.73	20.74	20.85	22	3	
Channel				20475	20525	20625	Tune-up limit (dBm) MPR (dB)		
Frequency (MHz)				829.5	836.5	847.5			
3	QPSK	1	0	23.84	23.87	23.72	25	0	
3	QPSK	1	8	23.72	23.80	23.62			
3	QPSK	1	14	23.83	23.60	23.74			
3	QPSK	8	0	22.75	22.93	22.75			
3	QPSK	8	4	22.71	22.71	22.80			
3	QPSK	8	7	22.71	22.61	22.69	24	1	
3	QPSK	15	0	22.60	22.60	22.96			
3	16QAM	1	0	22.83	22.83	22.95			
3	16QAM	1	8	22.78	22.68	22.82			
3	16QAM	1	14	22.82	22.73	22.82			
3	16QAM	8	0	21.71	21.88	21.70	23	2	
3	16QAM	8	4	21.65	21.63	21.54			
3	16QAM	8	7	21.68	21.85	21.80			
3	16QAM	15	0	21.69	21.68	21.83			
3	64QAM	1	0	21.61	21.57	21.52			
3	64QAM	1	8	21.61	21.85	21.83	23	2	
3	64QAM	1	14	21.65	21.60	21.61			
3	64QAM	8	0	20.83	20.80	20.93			
3	64QAM	8	4	20.85	20.83	20.82			
3	64QAM	8	7	20.78	20.81	20.77			
3	64QAM	15	0	20.73	20.74	20.86	22	3	
Channel				20427	20525	20623	Tune-up limit (dBm) MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.82	23.81	23.74	25	0	
1.4	QPSK	1	3	23.66	23.73	23.63			
1.4	QPSK	1	5	23.81	23.57	23.77			
1.4	QPSK	3	0	23.81	23.76	23.70			
1.4	QPSK	3	1	23.62	23.70	23.55			
1.4	QPSK	3	3	23.72	23.49	23.76	24	1	
1.4	QPSK	6	0	22.96	22.61	22.81			
1.4	16QAM	1	0	22.90	22.88	22.92			
1.4	16QAM	1	3	22.75	22.71	22.83			
1.4	16QAM	1	5	22.81	22.72	22.86			
1.4	16QAM	3	0	22.84	22.54	22.86	24	1	
1.4	16QAM	3	1	22.70	22.66	22.74			
1.4	16QAM	3	3	22.71	22.66	22.84			
1.4	16QAM	6	0	21.69	21.73	21.61			
1.4	64QAM	1	0	21.58	21.54	21.55			
1.4	64QAM	1	3	21.58	21.82	21.85	23	2	
1.4	64QAM	1	5	21.69	21.60	21.54			
1.4	64QAM	3	0	21.50	21.46	21.51			
1.4	64QAM	3	1	21.57	21.77	21.76			
1.4	64QAM	3	3	21.66	21.54	21.51			
1.4	64QAM	6	0	20.67	20.68	20.86	22	3	

Band 66_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.67	23.72	23.85	24.5	0	
20	QPSK	1	48	23.57	23.50	23.54			
20	QPSK	1	89	23.50	23.53	23.60			
20	QPSK	50	0	22.73	22.81	22.77			
20	QPSK	50	24	22.71	22.57	22.65	23.5	1	
20	QPSK	50	50	22.64	22.66	22.52			
20	QPSK	100	0	22.65	22.77	22.72			
20	16QAM	1	0	22.61	22.72	22.66			
20	16QAM	1	48	22.58	22.62	22.70	23.5	1	
20	16QAM	1	89	22.60	22.78	22.65			
20	16QAM	50	0	21.63	21.72	21.74			
20	16QAM	50	24	21.60	21.70	21.81			
20	16QAM	50	50	21.58	21.70	21.72	22.5	2	
20	16QAM	100	0	21.58	21.67	21.71			
20	64QAM	1	0	21.57	21.36	21.47			
20	64QAM	1	48	21.54	21.40	21.50			
20	64QAM	1	89	21.60	21.52	21.66	21.5	3	
20	64QAM	50	0	20.14	20.13	20.35			
20	64QAM	50	24	20.16	20.22	20.21			
20	64QAM	50	50	20.11	20.39	20.26			
20	64QAM	100	0	20.25	20.20	20.31			
Channel				132047	132322	132597	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	23.51	23.50	23.44	24.5	0	
15	QPSK	1	37	23.34	23.26	23.39			
15	QPSK	1	74	23.28	23.30	23.37			
15	QPSK	36	0	22.55	22.63	22.59			
15	QPSK	36	20	22.55	22.33	22.45	23.5	1	
15	QPSK	36	39	22.40	22.50	22.38			
15	QPSK	75	0	22.41	22.56	22.49			
15	16QAM	1	0	22.58	22.63	22.54			
15	16QAM	1	37	22.57	22.58	22.64	23.5	1	
15	16QAM	1	74	22.58	22.71	22.63			
15	16QAM	36	0	21.53	21.64	21.71			
15	16QAM	36	20	21.51	21.64	21.58			
15	16QAM	36	39	21.49	21.62	21.69	22.5	2	
15	16QAM	75	0	21.48	21.63	21.67			
15	64QAM	1	0	21.49	21.30	21.39			
15	64QAM	1	37	21.50	21.34	21.44			
15	64QAM	1	74	21.50	21.44	21.56	22.5	2	
15	64QAM	36	0	20.11	20.05	20.25			
15	64QAM	36	20	20.09	20.12	20.14			
15	64QAM	36	39	20.01	20.37	20.10			
15	64QAM	75	0	20.17	20.13	20.22			
Channel				132522	132322	132592	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
10	QPSK	1	0	23.48	23.52	23.43	24.5	0	
10	QPSK	1	25	23.40	23.25	23.47			
10	QPSK	1	48	23.26	23.36	23.38			
10	QPSK	25	0	22.51	22.56	22.56			
10	QPSK	25	12	22.50	22.40	22.47	23.5	1	
10	QPSK	25	25	22.39	22.41	22.28			
10	QPSK	50	0	22.46	22.59	22.56			
10	16QAM	1	0	22.56	22.63	22.56			
10	16QAM	1	25	22.50	22.53	22.69	23.5	1	
10	16QAM	1	48	22.52	22.69	22.65			
10	16QAM	25	0	21.53	21.68	21.67			
10	16QAM	25	12	21.58	21.60	21.58			
10	16QAM	25	25	21.53	21.60	21.58	22.5	2	
10	16QAM	50	0	21.54	21.62	21.66			
10	64QAM	1	0	21.50	21.34	21.38			
10	64QAM	1	25	21.51	21.36	21.40			
10	64QAM	1	48	21.51	21.36	21.40	22.5	2	
10	64QAM	25	0	20.13	20.07	20.27			
10	64QAM	25	12	20.13	20.20	20.18			
10	64QAM	25	25	20.05	20.36	20.19			
10	64QAM	50	0	20.15	20.16	20.30	21.5	3	
Channel				131587	132322	132642	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	23.45	23.55	23.48	24.5	0	
5	QPSK	1	12	23.38	23.28	23.47			
5	QPSK	1	24	23.33	23.31	23.37			
5	QPSK	12	0	22.54	22.97	22.52			
5	QPSK	12	7	22.54	22.33	22.45	23.5	1	
5	QPSK	12	13	22.45	22.43	22.34			
5	QPSK	25	0	22.45	22.66	22.50			
5	16QAM	1	0	22.60	22.68	22.63			
5	16QAM	1	12	22.49	22.62	22.65	23.5	1	
5	16QAM	1	24	22.61	22.70	22.67			
5	16QAM	12	0	21.55	21.64	21.67			
5	16QAM	12	7	21.59	21.64	21.55			
5	16QAM	12	13	21.54	21.61	21.69	22.5	2	
5	16QAM	25	0	21.55	21.60	21.57			
5	64QAM	1	0	21.48	21.30	21.38			
5	64QAM	1	12	21.53	21.39	21.44			
5	64QAM	1	24	21.51	21.46	21.60	22.5	2	
5	64QAM	12	0	20.13	20.06	20.33			
5	64QAM	12	7	20.14	20.20	20.18			
5	64QAM	12	13	20.01	20.29	20.24			
5	64QAM	25	0	20.17	20.11	20.34	21.5	3	
Channel				131987	132322	132657	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	23.51	23.50	23.45	24.5	0	
3	QPSK	1	8	23.32	23.26	23.45			
3	QPSK	1	14	23.33	23.36	23.37			
3	QPSK	8	0	22.54	22.56	22.52			
3	QPSK	8	4	22.52	22.37	22.41	23.5	1	
3	QPSK	8	7	22.47	22.50	22.27			
3	QPSK	15	0	22.44	22.54	22.49			
3	16QAM	1	0	22.53	22.65	22.63			
3	16QAM	1	8	22.56	22.53	22.66	23.5	1	
3	16QAM	1	14	22.59	22.77	22.59			
3	16QAM	8	0	21.61	21.69	21.72			
3	16QAM	8	4	21.62	21.64	21.53			
3	16QAM	8	7	21.62	21.61	21.71	22.5	2	
3	16QAM	15	0	21.48	21.64	21.62			
3	64QAM	1	0	21.53	21.27	21.37			
3	64QAM	1	8	21.51	21.32	21.45			
3	64QAM	1	14	21.53	21.47	21.50	22.5	2	
3	64QAM	8	0	20.06	20.08	20.29			
3	64QAM	8	4	20.14	20.16	20.15			
3	64QAM	8	7	20.09	20.35	20.10			
3	64QAM	15	0	20.21	20.19	20.25	21.5	3	
Channel				131979	132322	132695	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	23.49	23.49	23.43	24.5	0	
1.4	QPSK	1	3	23.39	23.29	23.42			
1.4	QPSK	1	5	23.25	23.32	23.35			
1.4	QPSK	3	0	23.39	23.47	23.37			
1.4	QPSK	3	1	23.36	23.20	23.39	23.5	1	
1.4	QPSK	3	3	23.23	23.25	23.38			
1.4	QPSK	6	0	22.48	22.55	22.53			
1.4	16QAM	1	0	22.57	22.71	22.56			
1.4	16QAM	1	3	22.55	22.57	22.65	23.5	1	
1.4	16QAM	1	5	22.58	22.75	22.61			
1.4	16QAM	3	0	22.52	22.62	22.54			
1.4	16QAM	3	1	22.51	22.47	22.60	23.5	1	
1.4	16QAM	3	3	22.55	22.68	22.51			
1.4	16QAM	6	0	21.54	21.65	21.64			
1.4	64QAM	1	0	21.53	21.26	21.38			
1.4	64QAM	1	3	21.49	21.32	21.48	22.5	2	
1.4	64QAM	3	0	21.50	21.40	21.56			
1.4	64QAM	3	1	21.52	21.36	21.39			
1.4	64QAM	3	3	21.42	21.23	21.38			
1.4	64QAM	6	0	21.46	21.47	21.52	21.5	3	
1.4	64QAM	6	3	21.46	21.47	21.52	21.5	3	
1.4	64QAM	6	6	21.46	21.47	21.52			
1.4	64QAM	6	9	21.46	21.47	21.52			
1.4	64QAM	6	12	21.46	21.47	21.52			

Band 38_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up Limit (dBm)	MPE (dB)		
Channel				37650	37650	37650				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.50	24.53	24.55	25	0		
20	QPSK	1	49	24.47	24.53	24.42				
20	QPSK	1	99	24.54	24.54	24.45				
20	QPSK	50	0	23.52	23.63	23.55	24	1		
20	QPSK	50	24	23.54	23.35	23.41				
20	QPSK	50	50	23.58	23.60	23.52				
20	QPSK	100	0	23.58	23.60	23.52	24	1		
20	16QAM	1	0	23.02	22.84	22.87				
20	16QAM	1	49	22.88	22.88	22.78				
20	16QAM	1	99	23.12	23.18	22.89	23	2		
20	16QAM	50	0	22.66	22.68	22.52				
20	16QAM	50	24	22.76	22.54	22.55				
20	16QAM	50	50	22.80	22.53	22.71	23	2		
20	16QAM	100	0	22.52	22.80	22.50				
20	64QAM	1	0	21.80	21.85	21.80				
20	64QAM	1	49	21.82	21.55	21.58	23	2		
20	64QAM	1	99	21.68	21.38	21.62				
20	64QAM	50	0	20.75	20.71	20.54				
20	64QAM	50	24	20.79	20.50	20.59	22	3		
20	64QAM	50	50	20.79	20.58	20.74				
20	64QAM	100	0	20.73	20.62	20.60				
Channel				37625	38000	38175	Turn-up Limit (dBm)	MPE (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	24.43	24.52	24.43	25	0		
15	QPSK	1	37	24.37	24.48	24.34				
15	QPSK	1	74	24.48	24.44	24.42				
15	QPSK	36	0	23.58	23.58	23.53	24	1		
15	QPSK	36	20	23.46	23.30	23.33				
15	QPSK	36	39	23.48	23.58	23.46				
15	QPSK	75	0	22.47	22.55	22.48	24	1		
15	16QAM	1	0	22.02	22.75	22.63				
15	16QAM	1	37	22.89	22.80	22.77				
15	16QAM	1	74	23.08	23.13	22.88	23	2		
15	16QAM	36	0	22.63	22.59	22.47				
15	16QAM	36	20	22.67	22.51	22.50				
15	16QAM	36	39	22.79	22.50	22.63	23	2		
15	16QAM	75	0	22.44	22.52	22.44				
15	64QAM	1	0	21.52	21.61	21.53				
15	64QAM	1	37	21.60	21.51	21.51	22	3		
15	64QAM	1	74	21.60	21.37	21.58				
15	64QAM	36	0	20.71	20.61	20.53				
15	64QAM	36	20	20.75	20.50	20.50	22	3		
15	64QAM	36	39	20.73	20.51	20.72				
15	64QAM	75	0	20.71	20.53	20.54				
Channel				37720	38000	38200	Turn-up Limit (dBm)	MPE (dB)		
Frequency (MHz)				2577.5	2595	2615				
10	QPSK	1	0	24.54	24.53	24.41	25	0		
10	QPSK	1	25	24.45	24.48	24.32				
10	QPSK	1	49	24.45	24.52	24.41				
10	QPSK	25	0	23.59	23.59	23.51	24	1		
10	QPSK	25	12	23.44	23.35	23.38				
10	QPSK	25	25	23.54	23.55	23.43				
10	QPSK	50	0	23.50	23.50	23.42	24	1		
10	16QAM	1	0	22.97	23.50	23.61				
10	16QAM	1	25	22.98	22.75	22.75				
10	16QAM	1	49	23.03	23.07	22.85	23	2		
10	16QAM	25	0	22.61	23.62	23.45				
10	16QAM	25	12	22.70	22.40	22.52				
10	16QAM	25	25	22.79	22.43	22.63	23	2		
10	16QAM	50	0	22.44	23.50	23.42				
10	64QAM	1	0	21.50	21.55	21.51				
10	64QAM	1	25	21.54	21.47	21.52	23	2		
10	64QAM	1	49	21.60	21.31	21.52				
10	64QAM	25	0	20.74	20.66	20.53				
10	64QAM	25	12	20.74	20.50	20.58	22	3		
10	64QAM	25	25	20.71	20.50	20.73				
10	64QAM	50	0	20.65	20.61	20.62				
Channel				37775	38000	38225	Turn-up Limit (dBm)	MPE (dB)		
Frequency (MHz)				2582.5	2595	2614.5				
5	QPSK	1	0	24.58	24.56	24.47	25	0		
5	QPSK	1	12	24.37	24.51	24.38				
5	QPSK	1	24	24.47	24.49	24.42				
5	QPSK	12	0	23.52	23.62	23.54	24	1		
5	QPSK	12	7	23.49	23.34	23.40				
5	QPSK	25	0	23.48	23.59	23.46				
5	16QAM	1	0	22.99	22.82	22.75	24	1		
5	16QAM	1	12	22.95	22.97	22.72				
5	16QAM	1	24	23.08	23.15	22.79				
5	16QAM	12	0	22.64	22.64	22.42	23	2		
5	16QAM	12	7	22.67	22.46	22.48				
5	16QAM	12	13	22.74	22.43	22.51				
5	16QAM	25	0	22.44	22.54	22.48	23	2		
5	64QAM	1	0	21.57	21.63	21.51				
5	64QAM	1	12	21.52	21.52	21.52				
5	64QAM	1	24	21.65	21.31	21.60	22	3		
5	64QAM	12	0	20.77	20.68	20.48				
5	64QAM	12	7	20.74	20.55	20.50				
5	64QAM	12	13	20.69	20.49	20.64	22	3		
5	64QAM	25	0	20.63	20.54	20.54				

Band 41_Ant 31											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq, CH / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up Limit (dB)	MPE (dB)			
Channel				40140	40090	40070	41140				
Frequency (MHz)				2540	2570	2600					
20	QPSK	1	0	24.50	24.53	24.58	25	0			
20	QPSK	1	49	24.41	24.50	24.55					
20	QPSK	1	99	24.48	24.38	24.53					
20	QPSK	50	0	23.45	23.50	23.68	24	1			
20	QPSK	50	24	23.40	23.43	23.60					
20	QPSK	50	50	23.42	23.43	23.65					
20	16QAM	1	0	22.73	22.65	22.77	24	2			
20	16QAM	1	49	22.84	23.05	23.09					
20	16QAM	1	99	23.06	22.79	23.11					
20	16QAM	50	0	22.75	22.77	22.81	23	2			
20	16QAM	50	24	22.68	22.69	22.72					
20	16QAM	50	50	22.68	22.59	22.79					
20	64QAM	1	0	21.84	21.83	22.06	23	2			
20	64QAM	1	49	21.84	21.83	22.06	21	2			
20	64QAM	1	99	22.05	21.83	22.11	22.03				
20	64QAM	50	0	20.79	20.79	20.81	20.77				
20	64QAM	50	24	20.63	20.73	20.79	20.82				
20	64QAM	50	50	20.79	20.77	20.79	20.77				
Channel				40115	40095	40085	41165				
Frequency (MHz)				2544	2574	2604					
15	QPSK	1	37	24.42	24.45	24.61	24.38	25	0		
15	QPSK	1	74	24.39	24.28	24.52	24.53				
15	QPSK	50	0	23.39	23.41	23.62	23.63				
15	QPSK	50	20	23.35	23.41	23.52	23.53	24	1		
15	QPSK	50	50	23.33	23.18	23.58	23.59				
15	QPSK	50	75	23.33	23.13	23.54	23.55				
15	16QAM	1	0	22.69	22.81	22.74	22.97	24	1		
15	16QAM	1	49	22.82	23.03	23.07	23.08				
15	16QAM	1	94	23.04	22.76	23.07	23.07				
15	16QAM	50	0	22.72	22.72	22.76	22.76	23	2		
15	16QAM	50	20	22.62	22.62	22.67	22.67				
15	16QAM	50	50	22.85	22.57	22.76	22.72				
15	64QAM	1	37	22.59	22.61	22.74	22.76	23	2		
15	64QAM	1	74	22.59	22.58	22.81	22.77				
15	64QAM	1	97	21.93	21.81	22.06	21.81				
15	64QAM	1	74	22.01	21.79	22.06	21.94	23	2		
15	64QAM	50	0	20.65	20.65	20.69	20.75				
15	64QAM	50	20	20.54	20.64	20.69	20.75				
15	64QAM	50	50	20.70	20.68	20.68	20.67	22	3		
15	64QAM	50	75	20.67	20.67	20.74	20.75				
15	64QAM	50	98	20.67	20.67	20.74	20.75				
Channel				40090	40090	40090	41140				
Frequency (MHz)				2544	2544	2549	2544				
10	QPSK	1	26	24.33	24.43	24.45	24.32	25	0		
10	QPSK	1	48	24.47	24.37	24.52	24.50				
10	QPSK	50	0	23.43	23.43	23.59	23.59				
10	QPSK	25	12	23.39	23.33	23.52	23.50	24	1		
10	QPSK	50	0	23.37	23.23	23.52	23.57				
10	QPSK	50	25	23.45	23.27	23.52	23.51				
10	16QAM	1	0	22.70	22.88	22.88	23.00	24	1		
10	16QAM	1	26	22.87	23.07	23.07	23.07				
10	16QAM	1	49	23.03	22.79	23.02	23.03				
10	16QAM	25	0	22.65	22.76	22.73	22.75	23	2		
10	16QAM	25	12	22.65	22.65	22.72	22.72				
10	16QAM	25	25	22.88	22.51	22.76	22.68				
10	16QAM	50	0	22.65	22.57	22.77	22.73	23	2		
10	16QAM	50	12	22.65	22.65	22.72	22.72				
10	16QAM	50	25	21.90	21.82	21.89	21.86				
10	64QAM	1	26	21.99	21.81	22.06	21.97	22	3		
10	64QAM	1	48	20.70	20.70	20.74	20.74				
10	64QAM	25	12	20.55	20.69	20.74	20.71				
10	64QAM	50	0	20.72	20.67	20.68	20.67	22	3		
10	64QAM	50	12	20.58	20.69	20.74	20.71				
10	64QAM	50	25	20.69	20.69	20.74	20.71				
Channel				40085	40085	40085	41215				
Frequency (MHz)				2537.5	2537.5	2537.5	2537.5				
5	QPSK	1	12	24.33	24.42	24.61	24.35	25	0		
5	QPSK	1	24	24.44	24.31	24.53	24.50				
5	QPSK	12	0	23.38	23.47	23.62	23.64				
5	QPSK	12	7	23.38	23.31	23.58	23.57	24	1		
5	QPSK	12	14	23.42	23.27	23.58	23.57				
5	QPSK	12	7	23.40	23.29	23.58	23.57				
5	16QAM	1	0	22.69	22.90	22.73	22.95	24	1		
5	16QAM	1	12	22.82	23.03	23.07	23.08				
5	16QAM	1	24	23.03	22.78	23.05	23.06				
5	16QAM	12	0	22.67	22.69	22.71	22.79	23	2		
5	16QAM	12	7	22.67	22.67	22.74	22.74				
5	16QAM	12	14	22.80	22.50	22.75	22.76				
5	64QAM	1	12	21.99	21.81	22.06	21.97	22	2		
5	64QAM	1	24	21.99	21.74	22.06	21.87				
5	64QAM	12	0	20.58	20.69	20.71	20.73				
5	64QAM	12	7	20.58	20.61	20.74	20.75	22	3		
5	64QAM	12	14	20.71	20.65	20.68	20.66				
5	64QAM	12	21	20.69	20.69	20.74	20.74				

Reduced Power Mode for DSI6

GSM850_Ant 13			Burst Average Power (dBm)			Tune-up Limit			Frame-Average Power (dBm)			Tune-up Limit		
TX Channel			128	189	251	Limit			128	189	251	Limit		
Frequency (MHz)			824.2	836.4	848.8	(dBm)			824.2	836.4	848.8	(dBm)		
GSM 1 Tx slot			32.58	32.60	32.53	33.50			33.58	33.60	33.53	34.50		
GPRS 1 Tx slot			32.41	32.48	32.47	33.50			33.41	33.48	33.47	34.50		
GPRS 2 Tx slots			30.57	30.60	30.59	31.50			24.57	24.60	24.59	25.50		
GPRS 3 Tx slots			28.71	28.77	28.73	29.50			24.45	24.51	24.47	25.24		
GPRS 4 Tx slots			26.59	26.68	26.67	27.50			23.59	23.68	23.67	24.50		
EDGE 1 Tx slot			25.29	25.97	25.71	27.00			16.29	16.87	16.71	18.00		
EDGE 2 Tx slots			24.14	24.80	24.60	25.50			15.14	15.80	15.60	16.50		
EDGE 3 Tx slots			21.54	22.16	22.03	23.00			17.28	17.90	17.77	18.74		
EDGE 4 Tx slots			19.32	19.70	19.55	20.50			16.32	16.70	16.55	17.50		

GSM1900_Ant 13			Burst Average Power (dBm)			Tune-up Limit			Frame-Average Power (dBm)			Tune-up Limit		
TX Channel			512	861	810	Limit			512	861	810	Limit		
Frequency (MHz)			1850.2	1880	1909.8	(dBm)			1850.2	1880	1909.8	(dBm)		
GSM 1 Tx slot			28.95	29.02	28.84	30.00			19.95	20.02	19.84	21.00		
GPRS 1 Tx slot			29.02	29.05	28.87	30.00			20.02	20.05	19.87	21.00		
GPRS 2 Tx slots			25.82	25.97	25.74	26.50			19.82	19.87	19.74	20.50		
GPRS 3 Tx slots			23.91	23.95	23.87	24.50			19.65	19.69	19.61	20.24		
GPRS 4 Tx slots			21.85	21.98	21.89	22.50			18.85	18.98	18.89	19.50		
EDGE 1 Tx slot			26.95	26.85	25.98	27.50			17.95	17.85	16.98	18.50		
EDGE 2 Tx slots			25.25	25.13	24.36	25.50			19.25	19.13	18.36	19.50		
EDGE 3 Tx slots			22.38	22.44	21.76	23.50			18.10	18.16	17.50	19.24		
EDGE 4 Tx slots			20.21	19.97	19.69	21.50			17.21	16.97	16.68	18.50		

Band		WCDMA 8_Ant 13			WCDMA 8_Ant 31			Tune-up Limit	
TX Channel		9262	9400	9538	9262	9400	9538	Limit	
Rx Channel		9662	9800	9938	9662	9800	9938	Limit	
Frequency (MHz)		1852.4	1880	1907.6	1852.4	1880	1907.6	(dBm)	
3GPP Rel 99	AMR 12.2Kbps	20.25	20.20	20.14	21.00	21.17	21.04	21.00	22.00
3GPP Rel 99	RMC 12.2Kbps	19.24	20.36	20.24	21.00	21.13	21.20	21.12	22.00
3GPP Rel 6	HSDPA Subtest-1	19.27	18.92	19.12	20.00	20.55	20.36	20.60	21.00
3GPP Rel 6	HSDPA Subtest-2	18.81	18.59	18.62	19.50	20.23	19.99	20.22	20.50
3GPP Rel 6	HSDPA Subtest-3	18.02	17.82	18.03	19.00	19.54	19.29	19.47	20.00
3GPP Rel 6	HSDPA Subtest-4	16.48	16.35	16.62	19.50	20.06	19.79	19.89	20.50
3GPP Rel 6	DC-HSDPA Subtest-1	18.99	18.85	18.90	20.00	20.22	20.16	20.43	21.00
3GPP Rel 6	DC-HSDPA Subtest-2	18.71	18.33	18.65	19.50	20.18	19.75	20.07	20.50
3GPP Rel 6	DC-HSDPA Subtest-3	17.86	17.75	17.67	19.00	19.15	18.92	19.09	20.00
3GPP Rel 6	DC-HSDPA Subtest-4	18.37	18.28	18.36	19.50	19.80	19.70	19.72	20.50
3GPP Rel 6	HSUPA Subtest-1	16.47	16.51	16.46	17.50	17.98	17.98	18.06	18.50
3GPP Rel 6	HSUPA Subtest-2	17.14	17.33	17.18	18.50	18.78	18.64	18.79	19.50
3GPP Rel 6	HSUPA Subtest-3	17.11	17.07	17.16	18.50	18.75	18.60	18.77	19.50
3GPP Rel 6	HSUPA Subtest-4	17.47	17.29	17.36	18.50	18.86	18.74	19.02	19.50
3GPP Rel 6	HSUPA Subtest-5	19.00	18.88	18.94	20.00	20.75	20.41	20.82	21.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.91	17.97	18.06	19.50	19.80	19.74	19.67	20.50

Band		WCDMA V_Ant 13			WCDMA V_Ant 31			Tune-up Limit	
TX Channel		4132	4182	4233	4132	4182	4233	Limit	
Rx Channel		4357	4407	4458	4357	4407	4458	Limit	
Frequency (MHz)		826.4	836.4	846.6	826.4	836.4	846.6	(dBm)	
3GPP Rel 99	AMR 12.2Kbps	23.92	23.91	23.72	25.00	24.02	24.12	24.04	25.00
3GPP Rel 99	RMC 12.2Kbps	23.94	23.97	23.85	25.00	24.12	24.15	24.11	25.00
3GPP Rel 6	HSDPA Subtest-1	22.39	22.40	22.22	24.00	23.21	23.10	23.22	24.00
3GPP Rel 6	HSDPA Subtest-2	22.19	22.08	21.90	23.00	22.75	22.86	22.90	23.00
3GPP Rel 6	HSDPA Subtest-3	21.72	21.70	21.52	23.00	22.48	22.54	22.58	23.00
3GPP Rel 6	HSDPA Subtest-4	21.58	21.61	21.42	23.00	22.40	22.45	22.34	23.00
3GPP Rel 6	DC-HSDPA Subtest-1	22.31	22.19	22.00	24.00	22.99	22.94	23.01	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	22.07	21.79	21.76	23.00	22.54	22.61	22.74	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	21.61	21.46	21.32	23.00	22.27	22.29	22.36	23.00
3GPP Rel 6	DC-HSDPA Subtest-4	21.38	21.40	21.27	23.00	22.21	22.21	22.17	23.00
3GPP Rel 6	HSUPA Subtest-1	20.46	20.29	20.31	21.50	21.40	21.27	21.31	21.50
3GPP Rel 6	HSUPA Subtest-2	21.01	20.86	20.81	22.00	21.87	21.72	21.64	22.00
3GPP Rel 6	HSUPA Subtest-3	21.23	21.07	20.73	22.00	21.88	21.93	21.69	22.00
3GPP Rel 6	HSUPA Subtest-4	20.81	20.65	20.60	21.50	21.48	21.45	21.48	21.50
3GPP Rel 6	HSUPA Subtest-5	22.79	22.66	22.68	24.00	23.58	23.60	23.56	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.98	21.93	21.96	23.50	23.04	22.94	22.91	23.50

GSM850_Ant 31			Burst Average Power (dBm)			Tune-up Limit			Frame-Average Power (dBm)			Tune-up Limit		
TX Channel			128	189	251	Limit			128	189	251	Limit		
Frequency (MHz)			824.2	836.4	848.8	(dBm)			824.2	836.4	848.8	(dBm)		
GSM 1 Tx slot			32.67	32.72	32.69	33.50			33.67	33.72	33.69	34.50		
GPRS 1 Tx slot			32.58	32.70	32.68	33.50			33.58	33.70	33.68	34.50		
GPRS 2 Tx slots			30.43	30.63	30.69	31.50			24.43	24.63	24.69	25.50		
GPRS 3 Tx slots			28.65	28.82	28.81	29.50			24.39	24.56	24.55	25.24		
GPRS 4 Tx slots			26.54	26.77	26.70	27.50			23.54	23.77	23.70	24.50		
EDGE 1 Tx slot			25.26	25.42	25.55	27.00			16.26	16.42	16.55	18.00		
EDGE 2 Tx slots			24.06	24.61	24.57	25.50			15.06	15.61	15.57	16.50		
EDGE 3 Tx slots			21.51	21.92	22.16	23.00			17.25	17.66	17.90	18.74		
EDGE 4 Tx slots			19.05	19.41	19.52	20.50			16.05	16.41	16.52	17.50		

GSM1900_Ant_31			Burst Average Power (dBm)			Tune-up Limit			Frame-Average Power (dBm)			Tune-up Limit		
TX Channel			512	661	810	Limit			512	661	810	Limit		
Frequency (MHz)			1850.2	1880	1909.8	(dBm)			1850.2	1880	1909.8	(dBm)		
GSM 1 Tx slot			29.32	29.32	29.30	31.00			20.32	20.32	20.30	22.00		
GPRS 1 Tx slot			26.34	26.40	26.31	31.00			20.34	20.40	20.31	22.00		
GPRS 2 Tx slots			26.64	26.74	26.70	27.50			20.64	20.74	20.70	21.50		
GPRS 3 Tx slots			24.84	24.83	24.77	26.50			20.55	20.57	20.51	21.24		
GPRS 4 Tx slots			22.84	22.90	22.82	23.50			19.84	19.90	19.88	20.25		
EDGE 1 Tx slot			26.32	26.35	26.28	27.50			17.83	17.95	17.92	18.50		
EDGE 2 Tx slots			24.07	24.91	24.61	25.50			18.97	18.91	18.61	19.50		
EDGE 3 Tx slots			22.58	22.49	22.18	23.50			18.32	18.23	17.92	19.24		
EDGE 4 Tx slots			20.51	19.91	19.98	21.50			17.51	16.91	16.90	18.50		

Band 2_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.20	20.31	20.37	21	0	
20	QPSK	1	49	19.33	19.32	19.32			
20	QPSK	1	99	19.75	19.80	19.79			
20	QPSK	50	0	19.98	20.00	19.98			
20	QPSK	1	24	19.67	19.64	19.64	21	0	
20	QPSK	50	50	19.65	19.73	19.70			
20	QPSK	100	0	19.76	19.86	19.83			
20	16QAM	1	0	20.12	20.25	20.20			
20	16QAM	1	49	19.20	19.27	19.27			
20	16QAM	1	99	19.73	19.70	19.78			
20	16QAM	50	0	19.93	19.92	19.91			
20	16QAM	50	24	19.48	19.56	19.53	21	0	
20	16QAM	50	59	19.56	19.71	19.82			
20	16QAM	100	0	19.73	19.76	19.75			
20	64QAM	1	0	20.19	20.25	20.17			
20	64QAM	1	49	19.27	19.31	19.22	21	0	
20	64QAM	1	99	19.69	19.79	19.71			
20	64QAM	50	0	19.91	19.99	19.93			
20	64QAM	50	24	19.46	19.53	19.57	21	0	
20	64QAM	50	59	19.64	19.88	19.80			
20	64QAM	100	0	19.67	19.83	19.80			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.75	18.80	19.00	Turn-up limit (dBm)	MFR (dB)	
15	QPSK	1	37	19.27	19.33	19.26	21	0	
15	QPSK	1	74	19.65	19.75	19.75			
15	QPSK	36	0	19.97	19.94	19.90			
15	QPSK	36	20	19.53	19.57	19.52	21	0	
15	QPSK	36	39	19.57	19.71	19.80			
15	QPSK	75	0	19.66	19.83	19.73			
15	16QAM	1	0	20.07	20.15	20.14			
15	16QAM	1	37	19.11	19.26	19.18	21	0	
15	16QAM	1	74	19.70	19.61	19.68			
15	16QAM	36	0	19.87	19.82	19.87			
15	16QAM	36	20	19.43	19.52	19.50	21	0	
15	16QAM	36	39	19.51	19.62	19.80			
15	16QAM	75	0	19.70	19.89	19.74			
15	64QAM	1	0	20.17	20.22	20.15			
15	64QAM	1	37	19.18	19.25	19.19	21	0	
15	64QAM	1	74	19.64	19.70	19.70			
15	64QAM	36	0	19.85	19.86	19.92			
15	64QAM	36	20	19.47	19.57	19.56	21	0	
15	64QAM	36	39	19.52	19.65	19.50			
15	64QAM	75	0	19.57	19.78	19.71			
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.16	20.28	20.20	Turn-up limit (dBm)	MFR (dB)	
10	QPSK	1	25	19.29	19.34	19.30	21	0	
10	QPSK	1	49	19.68	19.76	19.71			
10	QPSK	25	0	19.87	19.92	19.82			
10	QPSK	25	12	19.45	19.54	19.53	21	0	
10	QPSK	25	25	19.55	19.67	19.61			
10	QPSK	50	0	19.72	19.80	19.76			
10	QPSK	1	0	20.06	20.20	20.13			
10	16QAM	1	25	19.14	19.23	19.17			
10	16QAM	1	49	19.63	19.67	19.72			
10	16QAM	50	0	19.88	19.91	19.81	21	0	
10	16QAM	25	12	19.43	19.52	19.47			
10	16QAM	25	25	19.53	19.65	19.57			
10	16QAM	50	0	19.69	19.71	19.66			
10	16QAM	1	0	20.09	20.16	20.16			
10	64QAM	1	25	19.21	19.28	19.19	21	0	
10	64QAM	1	49	19.68	19.70	19.64			
10	64QAM	50	0	19.87	19.90	19.80			
10	64QAM	25	12	19.41	19.49	19.48			
10	64QAM	25	25	19.61	19.68	19.57			
10	64QAM	50	0	19.66	19.76	19.75	21	0	
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.16	20.29	20.25	Turn-up limit (dBm)	MFR (dB)	
5	QPSK	1	12	19.23	19.34	19.29	21	0	
5	QPSK	1	24	19.30	19.39	19.35			
5	QPSK	12	0	19.91	19.97	19.92			
5	QPSK	12	7	19.46	19.56	19.52	21	0	
5	QPSK	12	13	19.64	19.63	19.63			
5	QPSK	25	0	19.87	19.93	19.74			
5	16QAM	1	0	20.02	20.23	20.16			
5	16QAM	1	12	19.15	19.20	19.18	21	0	
5	16QAM	1	24	19.66	19.67	19.68			
5	16QAM	12	0	19.87	19.89	19.81			
5	16QAM	12	7	19.41	19.47	19.47			
5	16QAM	12	13	19.47	19.65	19.60			
5	16QAM	25	0	19.65	19.73	19.70			
5	16QAM	1	0	20.17	20.18	20.14			
5	64QAM	1	12	19.19	19.24	19.15	21	0	
5	64QAM	1	24	19.66	19.66	19.66			
5	64QAM	12	0	19.86	19.86	19.82			
5	64QAM	12	7	19.41	19.51	19.55	21	0	
5	64QAM	12	13	19.61	19.66	19.54			
5	64QAM	25	0	19.58	19.77	19.70			
Channel									
Frequency (MHz)									
3	QPSK	1	0	20.15	20.22	20.23	Turn-up limit (dBm)	MFR (dB)	
3	QPSK	1	4	19.25	19.26	19.24	21	0	
3	QPSK	1	14	19.70	19.79	19.75			
3	QPSK	8	0	19.91	19.93	19.89			
3	QPSK	8	4	19.51	19.60	19.53	21	0	
3	QPSK	8	7	19.55	19.68	19.62			
3	QPSK	15	0	19.67	19.85	19.79			
3	16QAM	1	0	20.04	20.19	20.12			
3	16QAM	1	4	19.16	19.21	19.20	21	0	
3	16QAM	8	0	19.67	19.67	19.67			
3	16QAM	8	0	19.85	19.87	19.86			
3	16QAM	8	4	19.43	19.55	19.44	21	0	
3	16QAM	8	7	19.46	19.67	19.55			
3	16QAM	15	0	19.64	19.74	19.69			
3	64QAM	1	0	20.18	20.18	20.13			
3	64QAM	1	4	19.20	19.25	19.16	21	0	
3	64QAM	8	0	19.63	19.69	19.62			
3	64QAM	8	0	19.90	19.89	19.91			
3	64QAM	8	4	19.38	19.51	19.48	21	0	
3	64QAM	8	7	19.62	19.86	19.56			
3	64QAM	15	0	19.66	19.78	19.73			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.19	20.28	20.17	Turn-up limit (dBm)	MFR (dB)	
1.4	QPSK	1	3	19.26	19.30	19.26	21	0	
1.4	QPSK	1	5	19.70	19.76	19.74			
1.4	QPSK	3	0	20.14	20.26	20.10			
1.4	QPSK	3	1	19.19	19.30	19.23			
1.4	QPSK	3	3	19.63	19.70	19.66			
1.4	QPSK	6	0	19.71	19.83	19.75	21	0	
1.4	16QAM	1	0	20.04	20.17	20.10			
1.4	16QAM	1	3	19.18	19.20	19.24			
1.4	16QAM	1	5	19.71	19.64	19.71			
1.4	16QAM	3	0	19.98	19.12	20.08	21	0	
1.4	16QAM	3	1	19.15	19.16	19.16			
1.4	16QAM	3	3	19.64	19.56	19.70			
1.4	16QAM	6	0	19.64	19.66	19.66			
1.4	64QAM	1	0	20.09	20.19	20.08			
1.4	64QAM	1	3	19.17	19.22	19.19			
1.4	64QAM	1	5	19.67	19.71	19.67			
1.4	64QAM	3	0	20.02	20.15	20.06			
1.4	64QAM	3	1	19.12	19.23	19.14	21	0	
1.4	64QAM	3	3	19.65	19.68	19.59			
1.4	64QAM	6	0	19.63	19.74	19.79	21	0	

Band 2_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (Fwd, Ch)	Power Med (Fwd, Ch)	Power High (Fwd, Ch)	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.20	21.25	21.21			
20	QPSK	1	49	21.17	21.22	21.19	22	0	
20	QPSK	1	99	21.15	21.23	21.18			
20	QPSK	50	0	21.09	21.09	21.03			
20	QPSK	50	24	20.89	20.98	20.91	22	0	
20	QPSK	50	50	20.88	21.02	21.01			
20	QPSK	100	0	20.93	20.97	20.93			
20	16QAM	1	0	21.12	21.15	21.17			
20	16QAM	1	49	21.10	21.12	21.11	22	0	
20	16QAM	1	99	21.13	21.21	21.10			
20	16QAM	50	0	20.91	21.05	20.94			
20	16QAM	50	24	20.87	20.88	20.82			
20	16QAM	50	50	20.87	20.86	21.00	22	0	
20	16QAM	100	0	20.84	20.90	20.87			
20	64QAM	1	0	21.12	21.17	21.15			
20	64QAM	1	49	21.09	21.18	21.10	22		
20	64QAM	1	99	21.07	21.14	21.08			
20	64QAM	50	0	20.92	20.20	20.25			
20	64QAM	50	24	20.24	20.20	20.11			
20	64QAM	50	50	20.32	20.30	20.20	21.5	0	
20	64QAM	100	0	20.33	20.20	20.14			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.75	18.80	18.75	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.17	21.19	21.13			
15	QPSK	1	37	21.13	21.13	21.15	22	0	
15	QPSK	1	74	21.06	21.14	21.15			
15	QPSK	36	0	20.91	21.02	20.95			
15	QPSK	36	20	20.84	20.89	20.80	22	0	
15	QPSK	36	37	20.90	20.99	20.96			
15	QPSK	75	0	20.92	20.87	20.87			
15	16QAM	1	0	21.09	21.06	21.10			
15	16QAM	1	37	21.01	21.07	21.08	22	0	
15	16QAM	1	74	21.05	21.19	21.08			
15	16QAM	36	0	20.83	20.86	20.87			
15	16QAM	36	20	20.78	20.80	20.81	22	0	
15	16QAM	36	37	20.91	20.97	20.95			
15	16QAM	75	0	20.83	20.84	20.84			
15	64QAM	1	0	21.06	21.10	21.08			
15	64QAM	1	37	21.06	21.17	21.07	22	0	
15	64QAM	1	74	21.04	21.17	21.07			
15	64QAM	36	0	20.31	20.15	20.15			
15	64QAM	36	20	20.18	20.17	20.03			
15	64QAM	36	37	20.30	20.23	20.12	21.5	0.5	
15	64QAM	75	0	20.29	20.16	20.08			
Channel									
Frequency (MHz)									
10	QPSK	0	0	18.65	18.60	18.50	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	0	0	21.15	21.22	21.19			
10	QPSK	1	25	21.09	21.20	21.17	22	0	
10	QPSK	1	49	21.09	21.14	21.14			
10	QPSK	1	74	21.07	21.15	21.08			
10	QPSK	25	12	20.86	20.91	20.81			
10	QPSK	25	28	20.88	20.92	20.88	22	0	
10	QPSK	50	0	20.85	20.86	20.83			
10	16QAM	1	25	21.00	21.05	21.06	22	0	
10	16QAM	1	25	21.01	21.05	21.08			
10	16QAM	1	49	21.03	21.15	21.05			
10	16QAM	1	74	20.97	20.80	20.77	22	0	
10	16QAM	1	99	20.83	21.01	20.87			
10	16QAM	25	28	20.91	20.89	20.90			
10	16QAM	50	0	20.83	20.80	20.81	22		
10	16QAM	50	1	21.03	21.12	21.08			
10	64QAM	1	25	20.99	21.16	21.02	22		
10	64QAM	1	49	21.01	21.09	21.05			
10	64QAM	1	74	21.01	21.11	21.02			
10	64QAM	25	12	20.23	20.19	20.10	21.5	0.5	
10	64QAM	25	28	20.25	20.23	20.13			
10	64QAM	50	0	20.24	20.13	20.10			
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.62	18.60	18.51	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	12	21.19	21.15	21.15			
5	QPSK	1	12	21.16	21.16	21.14	22	0	
5	QPSK	12	0	20.88	21.03	20.99			
5	QPSK	12	7	20.85	20.85	20.84	22	0	
5	QPSK	12	13	20.92	21.05	21.02			
5	QPSK	25	0	20.86	20.93	20.91			
5	16QAM	1	0	21.08	21.05	21.12			
5	16QAM	1	12	21.03	21.07	21.03	22	0	
5	16QAM	1	12	21.09	21.11	21.08			
5	16QAM	12	0	20.81	20.88	20.84			
5	16QAM	12	7	20.85	20.87	20.80	22	0	
5	16QAM	12	13	20.89	20.94	20.94			
5	16QAM	25	0	20.83	20.85	20.81			
5	64QAM	1	0	21.11	21.11	21.08			
5	64QAM	1	12	21.05	21.13	21.04	22	0	
5	64QAM	1	12	21.05	21.08	21.12			
5	64QAM	12	0	20.28	20.14	20.21			
5	64QAM	12	7	20.14	20.11	20.06	21.5	0.5	
5	64QAM	12	13	20.25	20.20	20.10			
5	64QAM	25	0	20.32	20.14	20.06			
Channel									
Frequency (MHz)									
3	QPSK	1	0	18.51	18.50	18.45	Turn-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	21.16	21.16	21.20	22	0	
3	QPSK	1	14	21.06	21.21	21.17			
3	QPSK	1	14	20.99	21.05	21.02			
3	QPSK	7	0	20.87	20.93	20.88			
3	QPSK	8	7	20.95	21.01	21.00	22	0	
3	QPSK	15	0	20.84	20.96	20.83			
3	16QAM	1	0	21.09	21.14	21.10			
3	16QAM	1	1	21.01	21.06	21.06	22	0	
3	16QAM	1	14	21.02	21.07	21.04			
3	16QAM	8	0	20.83	20.97	20.88			
3	16QAM	8	7	20.78	20.89	20.77	22	0	
3	16QAM	8	7	20.94	20.93	20.90			
3	16QAM	15	0	20.82	20.89	20.81			
3	64QAM	1	0	21.11	21.11	21.08			
3	64QAM	1	8	21.04	21.08	21.01	22	0	
3	64QAM	1	14	21.05	21.08	21.01			
3	64QAM	8	0	20.30	20.16	20.24			
3	64QAM	8	7	20.23	20.20	20.02	21.5	0.5	
3	64QAM	15	0	20.27	20.22	20.16			
3	64QAM	15	0	20.31	20.09	20.07			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	18.62	18.60	18.53	Turn-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	21.17	21.24	21.15			
1.4	QPSK	1	5	21.09	21.20	21.12	22	0	
1.4	QPSK	1	5	21.12	21.17	21.10			
1.4	QPSK	1	20	20.92	21.04	21.02			
1.4	QPSK	3	1	20.85	20.84	20.84			
1.4	QPSK	3	3	20.85	20.83	20.85	22	0	
1.4	16QAM	1	0	21.06	21.14	21.15			
1.4	16QAM	1	3	21.02	21.07	21.04			
1.4	16QAM	1	3	20.88	21.11	21.01	22	0	
1.4	16QAM	3	0	20.94	20.96	20.96			
1.4	16QAM	3	0	20.86	20.85	20.73			
1.4	16QAM	3	3	20.92	20.97	20.98			
1.4	16QAM	3	3	20.81	20.95	20.87	22	0	
1.4	64QAM	1	0	21.06	21.15	21.10			
1.4	64QAM	1	3	21.01	21.14	21.04			
1.4	64QAM	1	3	21.01	21.14	21.04	22	0	
1.4	64QAM	3	0	21.03	21.12	21.01			
1.4	64QAM	3	3	20.99	21.08	21.02			
1.4	64QAM	3	3	20.99	21.01	20.94	21.5	0	

Band 5_Ant 13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (MHz)	Power Middle Ch / Freq (MHz)	Power High Ch / Freq (MHz)	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				8290	20525	20600						
				8290	836.5	844						
10	QPSK	1	0	23.00	23.02	23.78	25	0				
10	QPSK	1	25	23.74	23.83	23.77						
10	QPSK	1	49	23.88	23.74	23.78						
10	QPSK	25	0	22.77	22.80	22.75						
10	QPSK	25	12	22.73	22.78	22.84						
10	QPSK	25	25	22.70	22.73	22.89	24	1				
10	QPSK	50	0	22.74	22.78	22.70						
10	16QAM	1	0	22.63	22.69	22.80						
10	16QAM	1	25	22.74	22.78	22.70						
10	16QAM	1	49	22.66	22.75	22.85						
10	16QAM	25	0	21.77	21.77	21.85	23	2				
10	16QAM	25	12	21.84	21.77	21.89						
10	16QAM	25	25	21.83	21.76	21.95						
10	16QAM	50	0	21.76	21.78	21.87						
10	64QAM	1	0	21.83	21.82	21.80						
10	64QAM	1	25	21.80	21.71	21.85	23	2				
10	64QAM	1	49	21.73	21.71	21.73						
10	64QAM	25	0	20.80	20.86	20.83						
10	64QAM	25	12	20.86	20.89	20.88						
10	64QAM	25	25	20.75	20.80	20.80						
10	64QAM	50	0	20.69	20.80	20.69	22	3				
Channel												
Frequency (MHz)				20425	20525	20625	Turn-up limit (dBm)	MPR (dB)				
				826.5	836.5	846.5						
5	QPSK	1	0	23.84	23.86	23.70	25	0				
5	QPSK	1	12	23.68	23.77	23.67						
5	QPSK	1	24	23.83	23.70	23.68						
5	QPSK	12	0	22.72	22.77	22.74						
5	QPSK	12	7	22.67	22.75	22.82						
5	QPSK	12	13	22.61	22.68	22.85	24	1				
5	QPSK	25	0	22.64	22.74	22.68						
5	16QAM	1	0	22.54	22.60	22.66						
5	16QAM	1	12	22.67	22.72	22.68						
5	16QAM	1	24	22.61	22.76	22.63						
5	16QAM	12	0	21.70	21.85	21.82	23	2				
5	16QAM	12	7	21.81	21.72	21.85						
5	16QAM	12	13	21.80	21.72	21.84						
5	16QAM	25	0	21.73	21.71	21.71						
5	64QAM	1	0	21.78	21.82	21.82						
5	64QAM	1	12	21.64	21.66	21.78	23	2				
5	64QAM	1	24	21.68	21.63	21.84						
5	64QAM	12	0	20.71	20.86	20.81						
5	64QAM	12	7	20.62	20.80	20.85						
5	64QAM	12	13	20.70	20.75	20.77						
5	64QAM	25	0	20.68	20.81	20.81	22	3				
5	64QAM	25	12	20.75	20.77	20.77						
5	64QAM	25	25	20.68	20.82	20.82						
5	64QAM	50	0	20.67	20.85	20.85						
5	64QAM	50	0	20.67	20.85	20.85						
Channel												
Frequency (MHz)				20415 <th>20525</th> <th>20635</th> <th>Turn-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	20525	20635	Turn-up limit (dBm)	MPR (dB)				
				824.5	836.5	847.5						
3	QPSK	1	0	23.87	23.88	23.73	25	0				
3	QPSK	1	8	23.71	23.82	23.76						
3	QPSK	1	16	23.80	23.71	23.69						
3	QPSK	8	0	22.73	22.73	22.86						
3	QPSK	8	4	22.69	22.70	22.56						
3	QPSK	8	12	22.60	22.71	22.63	24	1				
3	QPSK	15	0	22.68	22.68	22.61						
3	16QAM	1	0	22.54	22.68	22.54						
3	16QAM	1	8	22.73	22.70	22.67						
3	16QAM	1	16	22.65	22.71	22.63						
3	16QAM	8	0	21.75	21.87	21.56	23	2				
3	16QAM	8	4	21.78	21.71	21.85						
3	16QAM	8	12	21.73	21.70	21.84						
3	16QAM	15	0	21.71	21.70	21.74						
3	64QAM	1	0	21.77	21.89	21.51						
3	64QAM	1	8	21.58	21.81	21.81	23	2				
3	64QAM	1	16	21.66	21.88	21.80						
3	64QAM	8	0	20.78	20.85	20.77						
3	64QAM	8	4	20.70	20.80	20.63						
3	64QAM	8	7	20.61	20.80	20.74						
3	64QAM	15	0	20.63	20.73	20.63	22	3				
Channel												
Frequency (MHz)				20407 <th>20525<th>20643</th><th>Turn-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	20525 <th>20643</th> <th>Turn-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	20643				Turn-up limit (dBm)	MPR (dB)	
				824.7 <th>836.5<th>848.3</th><th colspan="3"></th></th>	836.5 <th>848.3</th> <th colspan="3"></th>	848.3						
1.4	QPSK	1	0	23.89	23.88	23.77				25	0	
1.4	QPSK	1	3	23.67	23.75	23.76						
1.4	QPSK	1	5	23.85	23.67	23.89						
1.4	QPSK	3	0	23.82	23.78	23.72						
1.4	QPSK	3	1	23.65	23.66	23.73						
1.4	QPSK	3	3	23.82	23.69	23.84	24	1				
1.4	QPSK	6	0	22.69	22.68	22.85						
1.4	16QAM	1	0	22.59	22.68	22.85						
1.4	16QAM	1	3	22.66	22.69	22.83						
1.4	16QAM	1	6	22.63	22.66	22.86						
1.4	16QAM	3	0	22.56	22.65	22.82	24	1				
1.4	16QAM	3	1	22.59	22.66	22.89						
1.4	16QAM	3	3	22.62	22.67	22.86						
1.4	16QAM	6	0	21.70	21.75	21.89						
1.4	64QAM	1	0	21.77	21.85	21.84						
1.4	64QAM	1	3	21.58	21.61	21.80	23	2				
1.4	64QAM	1	5	21.67	21.80	21.89						
1.4	64QAM	3	0	21.75	21.48	21.80						
1.4	64QAM	3	1	21.53	21.54	21.70						
1.4	64QAM	3	3	21.64	21.58	21.83						
1.4	64QAM	6	0	20.63	20.75	20.63	22	3				
1.4	64QAM	6	0	20.63	20.75	20.63						
1.4	64QAM	6	0	20.63	20.75	20.63						
1.4	64QAM	6	0	20.63	20.75	20.63						
1.4	64QAM	6	0	20.63	20.75	20.63						

Band 5_Ant 31											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq [dBm]	Power Middle Ch / Freq [dBm]	Power High Ch / Freq [dBm]	Turn-up limt [dBm]	MPR [dB]			
Channel											
Frequency [MHz]				20450	20525	20600					
				829	836.5	844					
10	QPSK	1	0	23.88	23.90	23.82	25	0			
10	QPSK	1	25	23.75	23.81	23.72					
10	QPSK	1	49	23.86	23.82	23.81					
10	QPSK	25	0	22.73	22.87	22.85					
10	QPSK	25	12	22.74	22.72	22.89					
10	QPSK	25	25	22.77	22.70	22.77	24	1			
10	QPSK	50	0	22.68	22.70	22.74					
10	16QAM	1	0	22.65	22.60	22.69					
10	16QAM	1	25	22.80	22.76	22.81					
10	16QAM	1	49	22.84	22.80	22.87					
10	16QAM	25	0	21.81	21.86	21.71	23	2			
10	16QAM	25	12	21.86	21.88	21.81					
10	16QAM	25	25	21.76	21.91	21.93					
10	16QAM	50	0	21.79	21.77	21.66					
10	64QAM	1	0	21.64	21.58	21.56					
10	64QAM	1	25	21.67	21.87	21.86	22	3			
10	64QAM	1	49	21.71	21.62	21.63					
10	64QAM	25	0	20.88	20.91	20.95					
10	64QAM	25	12	20.96	20.84	20.92					
10	64QAM	25	25	20.80	20.84	20.82					
10	64QAM	50	0	20.78	20.79	20.82					
Channel											
Frequency [MHz]				20425	20525	20625	Turn-up limt [dBm]	MPR [dB]			
				826.5	836.5	846.5					
5	QPSK	1	0	23.79	23.84	23.72	25	0			
5	QPSK	1	12	23.74	23.75	23.70					
5	QPSK	1	24	23.79	23.65	23.71					
5	QPSK	12	0	22.70	22.80	22.83					
5	QPSK	12	7	22.72	22.82	22.81					
5	QPSK	12	13	22.71	22.80	22.71	24	1			
5	QPSK	25	0	22.58	22.61	22.58					
5	16QAM	1	0	22.52	22.88	22.95					
5	16QAM	1	12	22.76	22.70	22.88					
5	16QAM	1	24	22.79	22.76	22.82					
5	16QAM	12	0	21.85	21.84	21.68	23	2			
5	16QAM	12	7	21.69	21.66	21.83					
5	16QAM	12	13	21.74	21.85	21.85					
5	16QAM	25	0	21.69	21.68	21.60					
5	64QAM	1	0	21.61	21.56	21.53					
5	64QAM	1	12	21.66	21.85	21.84	23	2			
5	64QAM	1	24	21.63	21.60	21.58					
5	64QAM	12	0	20.84	20.87	20.86					
5	64QAM	12	7	20.79	20.81	20.82					
5	64QAM	12	13	20.74	20.78	20.74					
5	64QAM	25	0	20.73	20.74	20.85	22	3			
Channel											
Frequency [MHz]				20415 <th>20525</th> <th>20635</th> <th>Turn-up limt [dBm]</th> <th colspan="2">MPR [dB]</th>	20525	20635	Turn-up limt [dBm]	MPR [dB]			
				824.5 <th>836.5<th>847.5</th><th colspan="3"></th></th>	836.5 <th>847.5</th> <th colspan="3"></th>	847.5					
3	QPSK	1	0	23.84	23.87	23.72	25	0			
3	QPSK	1	8	23.72	8	23.82					
3	QPSK	1	16	23.84	23.82	23.74					
3	QPSK	8	0	22.75	22.83	22.75					
3	QPSK	8	4	22.71	22.71	22.69					
3	QPSK	8	12	22.71	22.71	22.69	24	1			
3	QPSK	15	0	22.60	22.65	22.56					
3	16QAM	1	0	22.90	22.83	22.95					
3	16QAM	1	8	22.78	22.68	22.82					
3	16QAM	1	16	22.82	22.73	22.85					
3	16QAM	8	0	21.71	21.89	21.70	23	2			
3	16QAM	8	4	21.65	21.63	21.54					
3	16QAM	8	12	21.68	21.68	21.63					
3	16QAM	15	0	21.69	21.68	21.63					
3	64QAM	1	0	21.61	21.57	21.52					
3	64QAM	1	8	21.61	21.85	21.83	22	3			
3	64QAM	1	16	21.65	21.65	21.61					
3	64QAM	8	0	20.83	20.82	20.93					
3	64QAM	8	4	20.85	20.83	20.82					
3	64QAM	8	7	20.78	20.81	20.77					
3	64QAM	15	0	20.73	20.74	20.85					
Channel											
Frequency [MHz]				20407 <th>20525</th> <th>20643</th> <th>Turn-up limt [dBm]</th> <th colspan="2">MPR [dB]</th>	20525	20643	Turn-up limt [dBm]	MPR [dB]			
				824.7 <th>836.5</th> <th>848.3</th> <th colspan="3"></th>	836.5	848.3					
1.4	QPSK	1	0	23.82	23.81	23.74	25	0			
1.4	QPSK	1	5	23.86	23.73	23.85					
1.4	QPSK	1	9	23.81	23.57	23.77					
1.4	QPSK	3	0	23.81	23.76	23.70					
1.4	QPSK	3	1	22.62	22.70	22.55					
1.4	QPSK	3	2	22.72	22.73	22.66	24	1			
1.4	QPSK	6	0	22.59	22.61	22.61					
1.4	16QAM	1	0	22.90	22.88	22.92					
1.4	16QAM	1	3	22.75	22.71	22.83					
1.4	16QAM	1	6	22.81	22.72	22.85					
1.4	16QAM	3	0	22.84	22.84	22.86	24	1			
1.4	16QAM	3	1	22.70	22.65	22.74					
1.4	16QAM	3	2	22.71	22.65	22.76					
1.4	16QAM	6	0	21.69	21.73	21.61					
1.4	64QAM	1	0	21.58	21.54	21.55					
1.4	64QAM	1	3	21.58	21.62	21.85	23	2			
1.4	64QAM	1	6	21.69	21.68	21.65					
1.4	64QAM	3	0	21.50	21.46	21.51					
1.4	64QAM	3	1	21.57	21.77	21.76					
1.4	64QAM	3	2	21.68	21.75	21.81					
1.4	64QAM	6	0	20.67	20.69	20.69	22	3			

Band 13_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl (dBm)	Power Mod Ch / Freq	Power Hgn Ch / Freq	Turn-up time (min)	MRR (dB)	
Channel									
Channel				23520	23530				
Frequency (MHz)				782					
10	QPSK	1	0	22.38	22.38				
10	QPSK	1	25	22.44	22.44		24	0	
10	QPSK	1	50	22.48	22.48				
10	QPSK	25	0	22.00	22.00				
10	QPSK	25	12	21.89	21.89		23	1	
10	QPSK	50	0	21.75	21.75				
10	QPSK	50	25	21.93	21.93				
10	16QAM	1	0	22.46	22.46				
10	16QAM	1	25	22.32	22.32		23	1	
10	16QAM	1	50	22.20	22.20				
10	16QAM	25	0	21.10	21.10				
10	16QAM	25	12	21.00	21.00				
10	16QAM	50	0	21.22	21.22		22	2	
10	16QAM	50	25	20.98	20.98				
10	64QAM	1	0	21.16	21.16				
10	64QAM	1	25	21.04	21.04		22	2	
10	64QAM	1	50	20.99	20.99				
10	64QAM	25	0	20.10	20.10				
10	64QAM	25	12	20.07	20.07		21	3	
10	64QAM	50	0	20.31	20.31				
10	64QAM	50	25	20.11	20.11				
Channel				23505	23520	23535	Turn-up time (min)	MRR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	22.85	22.86	22.82			
5	QPSK	1	12	22.76	22.76	22.76	24	0	
5	QPSK	1	24	22.75	22.75	22.82			
5	QPSK	12	0	21.98	21.94	21.94			
5	QPSK	12	7	21.95	21.88	21.88	23	1	
5	QPSK	12	14	21.84	21.81	21.83	21	61	
5	QPSK	24	0	21.94	21.89	21.97			
5	16QAM	1	0	22.36	22.44	22.39			
5	16QAM	1	12	22.28	22.27	22.26	23	1	
5	16QAM	1	24	22.60	22.66	22.68			
5	16QAM	12	0	21.03	21.07	21.09			
5	16QAM	12	7	20.98	20.86	20.92	22	2	
5	16QAM	12	14	21.19	21.18	21.18			
5	16QAM	24	0	20.93	20.93	20.88			
5	64QAM	1	0	21.11	21.06	21.09			
5	64QAM	1	12	20.97	20.96	20.96	22	2	
5	64QAM	1	24	20.88	20.84	20.93			
5	64QAM	12	0	20.06	20.05	20.03			
5	64QAM	12	7	20.06	20.02	19.99	21	3	
5	64QAM	12	14	20.22	20.22	20.26			
5	64QAM	24	0	20.10	20.10	20.05			

Band 13_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lch / Freq	Power Hch / Freq	Power Lch / Freq	Power Hch / Freq	Tune-up time (min)	MFR (dB)
Channel				23250		23250			
Frequency (MHz)				782					
10	QPSK	1	0	22.88	22.88			24	0
10	QPSK	1	25	22.71	22.71				
10	QPSK	1	25	22.60	22.60				
10	QPSK	25	0	21.90	21.90			23	1
10	QPSK	25	12	21.88	21.88				
10	QPSK	25	12	21.63	21.63				
10	QPSK	50	0	21.81	21.81			22	2
10	16QAM	1	0	22.53	22.53				
10	16QAM	1	25	21.92	21.92				
10	16QAM	1	25	21.92	21.92			22	2
10	16QAM	25	0	21.09	21.09				
10	16QAM	25	0	20.68	20.68				
10	16QAM	25	12	21.19	21.19			21	3
10	16QAM	50	0	20.78	20.78				
10	16QAM	50	0	20.01	20.01				
10	64QAM	1	25	20.73	20.73			22	2
10	64QAM	1	25	20.08	20.08				
10	64QAM	25	0	19.58	19.58				
10	64QAM	25	12	19.78	19.78			21	3
10	64QAM	50	0	20.28	20.28				
10	64QAM	50	0	19.48	19.48				
Channel				23205	23230	23230	23255	Tune-up time (min)	MFR (dB)
Frequency (MHz)				776.3	782	784.5			
5	QPSK	1	0	22.85	22.88	22.78		24	0
5	QPSK	1	12	22.84	22.83	22.89			
5	QPSK	1	24	22.80	22.78	22.87			
5	QPSK	12	0	21.84	21.87	21.87		23	1
5	QPSK	12	7	21.52	21.78	21.85			
5	QPSK	12	7	21.58	21.60	21.55			
5	QPSK	25	0	21.71	21.77	21.72		22	2
5	16QAM	1	0	22.45	22.47	22.46			
5	16QAM	1	12	22.88	21.83	21.87			
5	16QAM	1	24	22.50	22.45	22.48		22	2
5	16QAM	12	0	21.05	21.03	21.01			
5	16QAM	12	7	20.63	20.62	20.62			
5	16QAM	12	14	21.15	21.18	21.18		21	3
5	16QAM	25	0	20.76	20.74	20.76			
5	64QAM	1	0	20.99	20.99	20.95			
5	64QAM	1	12	20.66	20.66	20.64		22	2
5	64QAM	1	24	21.06	21.00	21.01			
5	64QAM	12	0	19.55	19.54	19.54			
5	64QAM	12	7	19.75	19.68	19.71		21	3
5	64QAM	12	14	20.20	20.18	20.18			
5	64QAM	25	0	19.89	19.84	19.88			

Band 26_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Freq (MHz)	Power Mod Ch / Freq	Power Ch / Freq	Turn-on time (ms)	MPR (dB)		
Channel										
Frequency (MHz)				26715	26865	26965				
Frequency (MHz)				831.5	831.5	841.5				
15	QPSK	1	0	23.38	23.45	23.42				
15	QPSK	37	23	23.38	23.45	23.39		24.5	0	
15	QPSK	36	1	23.38	23.38	23.39				
15	QPSK	36	0	22.45	22.50	22.43				
15	QPSK	36	20	22.43	22.44	22.42		22.5	1	
15	QPSK	37	23	22.43	22.47	22.45				
15	QPSK	36	0	22.36	22.40	22.30				
15	16QAM	1	0	22.38	22.31	22.20				
15	16QAM	1	0	22.38	22.31	22.26				
15	16QAM	1	74	22.40	22.37	22.36		23.5	1	
15	16QAM	36	0	21.34	21.28	21.31				
15	16QAM	36	20	21.40	21.44	21.20		22.5	2	
15	16QAM	36	21	21.43	21.48	21.21				
15	16QAM	36	0	21.34	21.30	21.32				
15	64QAM	1	0	21.50	21.45	21.46				
15	64QAM	1	37	21.44	21.49	21.42				
15	64QAM	1	74	21.39	21.44	21.43		23.5	2	
15	64QAM	36	0	19.78	19.88	19.83				
15	64QAM	36	20	19.74	19.81	19.81		21.5	3	
15	64QAM	36	21	19.88	19.93	19.73				
15	64QAM	36	0	19.81	19.78	19.78				
Channel										
Frequency (MHz)				26870	26965	26990	Turn-on time (ms)	MPR (dB)		
Frequency (MHz)				839	831.5	841				
15	QPSK	1	0	23.37	23.44	23.37				
15	QPSK	1	26	23.38	23.38	23.36		24.5	0	
15	QPSK	1	0	23.30	23.30	23.34				
15	QPSK	36	0	22.40	22.44	22.39				
15	QPSK	36	20	22.40	22.39	22.42		23.5	1	
15	QPSK	36	25	22.28	22.39	22.30				
15	QPSK	50	0	22.29	22.31	22.26				
15	16QAM	1	0	22.37	22.25	22.52				
15	16QAM	1	22	22.29	22.35	22.30		23.5	1	
15	16QAM	1	49	22.33	22.31	22.53				
15	16QAM	25	0	21.27	21.23	21.25				
15	16QAM	25	1	21.37	21.40	21.15		22.5	2	
15	16QAM	25	25	21.42	21.47	21.16				
15	16QAM	50	0	21.27	21.26	21.29				
15	64QAM	1	0	21.45	21.38	21.42		22.5	2	
15	64QAM	1	36	21.36	21.41	21.21				
15	64QAM	1	49	21.36	21.38	21.29				
15	64QAM	25	0	19.72	19.80	19.87				
15	64QAM	25	1	19.84	19.87	19.80		21.5	3	
15	64QAM	25	25	19.85	19.90	19.67				
15	64QAM	50	0	19.80	19.74	19.72				
Channel										
Frequency (MHz)				26915	26965	27015	Turn-on time (ms)	MPR (dB)		
Frequency (MHz)				839	831.5	841.5				
5	QPSK	1	0	23.34	23.41	23.37				
5	QPSK	1	12	23.37	23.29	23.32		24.5	0	
5	QPSK	1	24	23.37	23.29	23.32				
5	QPSK	12	7	22.42	22.34	22.32		23.5	1	
5	QPSK	12	13	22.24	22.40	22.38				
5	QPSK	25	0	22.27	22.30	22.27				
5	QPSK	25	1	22.32	22.35	22.27		23.5	1	
5	16QAM	1	12	22.30	22.43	22.61				
5	16QAM	1	24	22.32	22.33	22.57				
5	16QAM	12	0	21.26	21.21	21.23		22.5	2	
5	16QAM	12	7	21.32	21.35	21.13				
5	16QAM	12	13	21.35	21.48	21.11				
5	16QAM	25	0	21.30	21.28	21.31				
5	64QAM	1	0	21.48	21.38	21.43		22.5	2	
5	64QAM	1	12	21.38	21.42	21.40				
5	64QAM	1	24	21.30	21.39	21.30		21.5	3	
5	64QAM	12	0	19.75	19.85	19.74				
5	64QAM	12	7	19.64	19.79	19.78				
5	64QAM	12	13	19.86	19.90	19.68		21.5	3	
5	64QAM	25	0	19.71	19.74	19.74				
Channel										
Frequency (MHz)				26955	26965	27033	Turn-on time (ms)	MPR (dB)		
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	23.30	23.38	23.34				
1.4	QPSK	1	8	23.26	23.27	23.37		24.5	0	
1.4	QPSK	1	14	23.31	23.36	23.38				
1.4	QPSK	8	0	23.36	23.36	23.32				
1.4	QPSK	8	4	23.33	23.38	23.32		23.5	1	
1.4	QPSK	8	7	22.25	22.44	22.36				
1.4	QPSK	8	0	22.35	22.31	22.27				
1.4	QPSK	1	0	22.35	22.21	22.51				
1.4	16QAM	1	0	22.29	22.51	22.62		23.5	1	
1.4	16QAM	1	14	22.34	22.46	22.59				
1.4	16QAM	8	0	21.29	21.45	21.27		22.5	2	
1.4	16QAM	8	4	21.37	21.34	21.47				
1.4	16QAM	8	7	21.34	21.44	21.18				
1.4	16QAM	1	0	21.27	21.21	21.23				
1.4	64QAM	1	0	21.42	21.40	21.41		22.5	2	
1.4	64QAM	1	8	21.35	21.47	21.35				
1.4	64QAM	1	14	21.38	21.38	21.25				
1.4	64QAM	8	0	19.69	19.84	19.77		21.5	3	
1.4	64QAM	8	4	19.68	19.72	19.71				
1.4	64QAM	8	7	19.86	19.92	19.63				
1.4	64QAM	17	0	19.07	19.09	19.01				
Channel										
Frequency (MHz)				26997	26985	27033	Turn-on time (ms)	MPR (dB)		
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	23.30	23.38	23.34				
1.4	QPSK	1	8	23.23	23.35	23.33		24.5	0	
1.4	QPSK	1	14	23.26	23.34	23.36				
1.4	QPSK	8	0	23.32	23.36	23.36				
1.4	QPSK	8	1	22.27	22.32	22.35		23.5	1	
1.4	QPSK	8	0	22.29	22.31	22.23				
1.4	16QAM	1	0	22.30	22.22	22.55				
1.4	16QAM	1	8	22.29	22.49	22.60		23.5	1	
1.4	16QAM	1	14	22.34	22.35	22.48				
1.4	16QAM	8	0	22.27	22.28	22.54				
1.4	64QAM	1	0	22.29	22.44	22.51				
1.4	64QAM	1	8	22.32	22.34	22.46		22.5	2	
1.4	64QAM	1	0	21.33	21.28	21.27				
1.4	64QAM	1	21	21.46	21.37	21.43		22.5	2	
1.4	64QAM	1	3	21.39	21.43	21.35				
1.4	64QAM	1	21	21.29	21.42	21.37				
1.4	64QAM	1	0	21.38	21.33	21.39				
1.4	64QAM	3	1	21.33	21.39	21.33				
1.4	64QAM	3	1	21.24	21.31	21.21		21.5	3	
1.4	64QAM	6	0	19.77	19.85	19.69				

Band 26_Ant 31											
BW [MHz]	Modulation	RB Size	RB Offset	Power Lch / Freq [dBm]	Power Mch / Freq [dBm]	Power Pch / Freq [dBm]	Turn-on time (ms)	MPR (dB)			
Channel				26765	26865	26965					
Frequency (MHz)				819	831.5	841.5					
15	QPSK	1	0	23.20	23.30	23.26					
15	QPSK	1	77	23.17	23.27	23.21	24.5	0			
15	QPSK	1	74	23.12	23.21	23.22					
15	QPSK	36	0	22.32	22.30	22.33					
15	QPSK	36	20	22.26	22.13	22.19	23.5	1			
15	QPSK	36	20	22.30	22.31	22.28					
15	QPSK	75	0	22.25	22.30	22.29					
15	16QAM	1	0	22.50	22.59	22.52					
15	16QAM	1	77	22.47	22.57	22.51	24.5	0			
15	16QAM	1	74	22.46	22.57	22.51					
15	16QAM	36	0	21.21	21.36	21.29					
15	16QAM	36	20	21.19	21.40	21.20	22.5	2			
15	16QAM	36	20	21.50	21.53	21.50					
15	16QAM	75	0	21.38	21.29	21.35					
15	64QAM	1	0	21.58	21.69	21.76					
15	64QAM	1	77	21.62	21.66	21.60	22.5	2			
15	64QAM	1	74	21.77	21.57	21.63					
15	64QAM	36	0	19.87	19.72	19.79					
15	64QAM	36	20	19.80	19.65	19.74	21.5	3			
15	64QAM	36	20	19.81	19.67	19.74					
15	64QAM	75	0	19.86	19.70	19.84					
Channel				26870	26965	26960	Turn-on time (ms)	MPR (dB)			
Frequency (MHz)				819	831.5	841					
15	QPSK	1	0	23.35	23.37	23.33					
15	QPSK	1	25	23.30	23.23	23.20	24.5	0			
15	QPSK	1	49	23.11	23.20	23.16					
15	QPSK	25	0	22.27	22.33	22.29					
15	QPSK	25	0	22.17	22.34	22.18	23.5	1			
15	QPSK	25	25	22.22	22.26	22.20					
15	QPSK	50	0	22.23	22.21	22.26					
15	16QAM	1	0	22.41	22.54	22.51					
15	16QAM	1	25	22.38	22.52	22.41	23.5	1			
15	16QAM	1	49	22.43	22.37	22.37					
15	16QAM	25	0	21.18	21.34	21.24					
15	16QAM	25	0	21.17	21.30	21.21					
15	16QAM	25	25	21.45	21.43	21.43	22.5	2			
15	16QAM	50	0	21.31	21.25	21.32					
15	64QAM	1	0	21.50	21.66	21.72	22.5	2			
15	64QAM	1	25	21.52	21.58	21.51					
15	64QAM	1	49	21.54	21.54	21.54					
15	64QAM	25	0	19.83	19.66	19.73					
15	64QAM	25	0	19.72	19.56	19.65					
15	64QAM	25	25	19.67	19.60	19.70	21.5	3			
15	64QAM	50	0	19.77	19.62	19.61					
Channel				26975	26965	27015	Turn-on time (ms)	MPR (dB)			
Frequency (MHz)				819	831.5	841.5					
5	QPSK	1	0	23.18	23.30	23.19					
5	QPSK	1	12	23.12	23.26	23.20	24.5	0			
5	QPSK	1	24	23.06	23.16	23.14					
5	QPSK	1	47	23.01	23.11	23.10					
5	QPSK	12	0	22.25	22.28	22.22					
5	QPSK	12	25	22.15	22.28	22.12	23.5	1			
5	QPSK	12	13	22.22	22.21	22.14					
5	QPSK	25	0	22.21	22.21	22.28					
5	QPSK	25	0	22.48	22.48	22.41					
5	16QAM	1	12	22.29	22.53	22.43	23.5	1			
5	16QAM	1	24	22.22	22.42	22.43					
5	16QAM	1	47	22.13	22.28	22.28					
5	16QAM	12	7	21.15	21.38	21.19					
5	16QAM	12	13	21.48	21.46	21.18					
5	16QAM	25	0	21.30	21.24	21.26					
5	16QAM	25	0	21.57	21.66	21.69					
5	64QAM	1	12	21.55	21.63	21.50	22.5	2			
5	64QAM	1	24	21.72	21.52	21.49					
5	64QAM	12	0	19.76	19.57	19.73					
5	64QAM	12	7	19.76	19.57	19.65					
5	64QAM	12	13	19.76	19.61	19.73	21.5	3			
5	64QAM	25	0	19.77	19.62	19.56					
Channel				26977	26965	27033	Turn-on time (ms)	MPR (dB)			
Frequency (MHz)				814.7	831.5	848.3					
1.4	QPSK	1	0	23.11	23.31	23.21					
1.4	QPSK	1	8	23.11	23.24	23.03	24.5	0			
1.4	QPSK	1	14	23.13	23.13	23.17					
1.4	QPSK	1	27	23.07	23.22	23.20					
1.4	QPSK	8	0	22.19	22.06	22.29	23.5	1			
1.4	QPSK	8	7	22.24	22.30	22.22					
1.4	QPSK	19	0	22.23	22.29	22.28					
1.4	QPSK	1	0	22.49	22.58	22.51					
1.4	16QAM	1	8	22.28	22.49	22.50					
1.4	16QAM	1	14	22.28	22.49	22.49					
1.4	16QAM	1	27	22.28	22.49	22.51	23.5	1			
1.4	16QAM	8	0	21.18	21.38	21.19					
1.4	16QAM	8	7	21.49	21.60	21.19	22.5	2			
1.4	16QAM	19	0	21.30	21.38	21.28					
1.4	64QAM	1	0	21.49	21.64	21.72					
1.4	64QAM	1	8	21.57	21.64	21.59	22.5	2			
1.4	64QAM	1	14	21.70	21.49	21.54					
1.4	64QAM	1	27	19.80	19.66	19.76					
1.4	64QAM	8	0	19.71	19.58	19.71	21.5	3			
1.4	64QAM	8	7	19.76	19.57	19.68					
1.4	64QAM	19	0	19.69	19.59	19.69					
Channel				26977	26965	27033	Turn-on time (ms)	MPR (dB)			
Frequency (MHz)				814.7	831.5	848.3					
1.4	QPSK	1	0	23.11	23.31	23.21					
1.4	QPSK	1	3	23.13	23.24	23.04	24.5	0			
1.4	QPSK	1	14	23.08	23.15	23.13					
1.4	QPSK	3	0	23.03	23.29	23.11					
1.4	QPSK	3	1	23.21	23.15	23.03					
1.4	QPSK	19	0	22.06	22.10	22.12	23.5	1			
1.4	QPSK	1	0	22.91	22.24	22.22	23.5	2			
1.4	16QAM	1	3	22.49	22.51	22.45					
1.4	16QAM	1	14	22.29	22.52	22.46					
1.4	16QAM	1	27	22.42	22.44	22.42	23.5	1			
1.4	16QAM	3	1	22.48	22.44	22.44					
1.4	16QAM	3	19	22.19	22.43	22.42					
1.4	16QAM	19	0	22.35	22.34	22.31					
1.4	16QAM	6	0	21.37	21.20	21.32	22.5	2			
1.4	64QAM	1	0	21.54	21.59	21.69					
1.4	64QAM	1	3	21.57	21.61	21.58					
1.4	64QAM	1	14	21.74	21.53	21.58	22.5	2			
1.4	64QAM	3	0	21.47	21.56	21.65					
1.4	64QAM	3	1	21.56	21.60	21.57					
1.4	64QAM	19	0	21.66	21.51	21.58					
1.4	64QAM	6	0	19.77	19.53	19.59	21.5	3			

Band 66_Ant 13														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (Fwd Ch)	Power Middle (Fwd Ch)	Power High (Fwd Ch)	Turn-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	20.04	20.09	20.05	21	0						
20	QPSK	1	48	20.01	20.08	20.03								
20	QPSK	1	96	19.96	20.03	19.97								
20	QPSK	50	0	19.96	20.05	19.99								
20	QPSK	50	24	19.92	20.02	19.94	21	0						
20	QPSK	50	50	19.87	19.94	19.88								
20	QPSK	100	0	20.00	20.07	20.03								
20	16QAM	1	0	20.01	20.04	20.01								
20	16QAM	1	48	19.92	20.02	19.93	21	0						
20	16QAM	1	96	19.89	19.96	19.94								
20	16QAM	50	0	19.94	20.01	19.95								
20	16QAM	50	24	19.83	19.92	19.85								
20	16QAM	50	50	19.81	19.87	19.87	21	0						
20	16QAM	100	0	19.90	20.06	19.99								
20	64QAM	1	0	19.86	19.99	19.98								
20	64QAM	1	48	19.92	20.06	20.01								
20	64QAM	1	96	19.93	19.93	19.88	21	0						
20	64QAM	50	0	19.89	20.03	19.91								
20	64QAM	50	24	19.83	19.98	19.86								
20	64QAM	50	50	19.77	19.89	19.84								
20	64QAM	100	0	19.92	19.99	19.94	21	0						
Channel														
Frequency (MHz)														
15	QPSK	1	0	17.015	17.05	17.025		21	0					
15	QPSK	1	37	19.93	19.97	19.90								
15	QPSK	1	74	19.92	20.01	19.87								
15	QPSK	36	0	19.89	19.98	19.84								
15	QPSK	36	36	19.89	19.99	19.84	21	0						
15	QPSK	36	36	19.77	19.87	19.78								
15	QPSK	75	0	19.91	19.99	20.02								
15	16QAM	1	0	19.92	20.03	19.96								
15	16QAM	1	37	19.86	19.96	19.91	21	0						
15	16QAM	1	74	19.87	19.89	19.88								
15	16QAM	36	0	19.88	19.99	19.93								
15	16QAM	36	20	19.81	19.87	19.82								
15	16QAM	36	36	19.78	19.82	19.83	21	0						
15	16QAM	75	0	19.87	20.03	19.87								
15	64QAM	1	0	19.89	19.97	19.96								
15	64QAM	1	37	19.85	19.98	19.95								
15	64QAM	1	74	19.89	19.89	19.85	21	0						
15	64QAM	36	0	19.86	20.01	19.81								
15	64QAM	36	20	19.79	19.95	19.78								
15	64QAM	36	36	19.67	19.84	19.78								
15	64QAM	75	0	19.90	19.89	19.86								
Channel														
Frequency (MHz)														
10	QPSK	1	0	19.97	20.03	20.02	21	0						
10	QPSK	1	25	20.00	20.07	19.94								
10	QPSK	1	49	19.93	19.97	19.90								
10	QPSK	25	12	19.89	19.98	19.92								
10	QPSK	25	25	19.86	19.91	19.78	21	0						
10	QPSK	50	0	19.96	19.99	19.96								
10	16QAM	1	0	19.99	20.00	19.99								
10	16QAM	1	25	19.91	19.92	19.85								
10	16QAM	1	49	19.84	19.85	19.84	21	0						
10	16QAM	25	0	19.92	19.96	19.87								
10	16QAM	25	12	19.74	19.82	19.81								
10	16QAM	25	25	19.73	19.83	19.85								
10	16QAM	50	0	19.82	20.04	19.94	21	0						
10	16QAM	50	12	19.87	19.97	19.97								
10	64QAM	1	25	19.83	20.02	19.87								
10	64QAM	1	49	19.86	19.88	19.79								
10	64QAM	25	0	19.88	19.97	19.86	21	0						
10	64QAM	25	12	19.77	19.94	19.82								
10	64QAM	25	25	19.74	19.87	19.81								
10	64QAM	50	0	19.89	19.94	19.91								
Channel														
Frequency (MHz)														
5	QPSK	1	0	19.97	20.08	20.04	21			0				
5	QPSK	1	12	20.00	19.98	20.00								
5	QPSK	1	24	19.95	19.96	19.96								
5	QPSK	12	0	19.86	19.96	19.94								
5	QPSK	12	7	19.84	19.97	19.85	21	0						
5	QPSK	12	13	19.82	19.92	19.86								
5	QPSK	25	0	19.93	20.00	19.97								
5	16QAM	1	0	20.00	19.97	19.93								
5	16QAM	1	12	19.87	19.98	19.89	21	0						
5	16QAM	1	24	19.87	19.90	19.82								
5	16QAM	12	0	19.85	19.97	19.88								
5	16QAM	12	7	19.79	19.88	19.78								
5	16QAM	12	13	19.72	19.79	19.86	21	0						
5	16QAM	25	0	19.82	19.96	19.84								
5	64QAM	1	0	19.91	19.92	19.87								
5	64QAM	1	12	19.85	20.03	19.94								
5	64QAM	1	24	19.90	19.88	19.86	21	0						
5	64QAM	12	0	19.87	19.97	19.86								
5	64QAM	12	7	19.80	19.94	19.79								
5	64QAM	12	13	19.72	19.79	19.83								
5	64QAM	25	0	19.91	19.97	19.93								
Channel														
Frequency (MHz)														
3	QPSK	1	0	19.98	20.03	19.96	21	0						
3	QPSK	1	4	19.94	19.98	19.95								
3	QPSK	1	8	19.92	19.93	19.92								
3	QPSK	8	0	19.89	19.87	19.88								
3	QPSK	8	4	19.90	19.98	19.85	21	0						
3	QPSK	8	7	19.86	19.90	19.87								
3	QPSK	15	0	19.96	20.04	20.00								
3	16QAM	1	0	20.00	19.97	19.93								
3	16QAM	1	8	19.86	19.97	19.83	21	0						
3	16QAM	1	14	19.79	19.85	19.88								
3	16QAM	8	0	19.91	19.99	19.88								
3	16QAM	8	4	19.73	19.82	19.81								
3	16QAM	8	7	19.75	19.84	19.78	21	0						
3	16QAM	15	0	19.87	19.97	19.91								
3	64QAM	1	0	19.91	19.93	19.88								
3	64QAM	1	8	19.85	20.01	19.93								
3	64QAM	1	14	19.85	19.83	19.82	21	0						
3	64QAM	8	0	19.88	19.93	19.87								
3	64QAM	8	4	19.82	19.97	19.77								
3	64QAM	8	7	19.86	19.82	19.75								
3	64QAM	15	0	19.84	19.92	19.89								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	19.96	20.01	20.00	21	0						
1.4	QPSK	1	3	19.99	20.04	19.97								
1.4	QPSK	1	5	19.91	19.98	19.95								
1.4	QPSK	3	0	19.86	19.97	19.85								
1.4	QPSK	3	1	19.96	19.97	19.87	21	0						
1.4	QPSK	3	3	19.82	19.96	19.93								
1.4	QPSK	6	0	19.92	19.98	20.02								
1.4	16QAM	1	0	19.96	20.03	19.98	21	0						
1.4	16QAM	1	3	19.86	19.92	19.88								
1.4	16QAM	1	5	19.82	19.93	19.84								
1.4	16QAM	3	0	19.86	19.97	19.92								
1.4	16QAM	3	1	19.76	19.88	19.78	21	0						
1.4	16QAM	3	3	19.74	19.78	19.88								
1.4	16QAM	6	0	19.88	20.01	19.97								
1.4	16QAM	3	3	19.87	19.93	19.93								
1.4	64QAM	1	0	19.86	19.98	19.98	21	0						
1.4	64QAM	1	3	19.83	19.93	19.84								
1.4	64QAM	1	5	19.78	19.83	19.85								
1.4	64QAM	3	0	19.83	19.89	19.93								
1.4	64QAM	3	1	19.81	19.82	19.83	21	0						
1.4	64QAM	3	3	19.82	19.83	19.85								
1.4	64QAM	6	0	19.82	19.83	19.85								
1.4	64QAM	3	3	19.81	19.82	19.83								

Band 38_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up Int (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.77	20.87	20.77	21.5	0	
20	QPSK	1	49	20.84	20.87	20.83			
20	QPSK	50	0	20.77	20.87	20.77			
20	QPSK	50	24	20.89	20.71	20.85	21.5	0	
20	QPSK	100	0	20.77	20.87	20.77			
20	QPSK	100	0	20.24	20.30	20.28			
20	QPSK	1	0	20.68	20.64	20.59			
20	QPSK	50	0	20.68	20.81	20.72			
20	QPSK	50	0	20.68	20.73	20.72	21.5	0	
20	QPSK	100	50	20.64	20.64	20.62			
20	QPSK	100	0	20.66	20.66	20.60			
20	QPSK	1	49	20.62	20.61	20.61	21.5	0	
20	QPSK	50	0	20.62	20.61	20.61			
20	QPSK	50	0	20.74	20.81	20.73			
20	QPSK	100	24	20.68	20.71	20.66	21.5	0	
20	QPSK	100	0	20.68	20.62	20.60			
20	QPSK	100	0	20.17	20.25	20.21			
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.63	20.69	20.61	21.5	0	
15	QPSK	1	37	20.56	20.66	20.59			
15	QPSK	36	0	20.62	20.69	20.69			
15	QPSK	36	39	20.75	20.70	20.73			
15	QPSK	36	20	20.66	20.69	20.69			
15	QPSK	36	58	20.14	20.22	20.18			
15	QPSK	75	0	20.14	20.25	20.21			
15	QPSK	1	0	20.60	20.59	20.52			
15	QPSK	36	0	20.62	20.68	20.68			
15	QPSK	36	39	20.57	20.63	20.61			
15	QPSK	75	0	20.16	20.12	20.23			
15	QPSK	1	37	20.57	20.64	20.56			
15	QPSK	36	0	20.67	20.77	20.70			
15	QPSK	36	20	20.67	20.61	20.56	21.5	0	
15	QPSK	36	39	20.62	20.57	20.56			
15	QPSK	75	0	20.16	20.15	20.12			
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.68	20.61	20.55	21.5	0	
10	QPSK	1	25	20.60	20.60	20.60			
10	QPSK	1	49	20.48	20.58	20.45			
10	QPSK	25	0	20.71	20.84	20.76			
10	QPSK	25	12	20.70	20.71	20.64	21.5	0	
10	QPSK	25	25	20.65	20.62	20.58			
10	QPSK	50	0	20.18	20.26	20.21			
10	QPSK	1	0	20.67	20.58	20.55			
10	QPSK	1	25	20.59	20.60	20.54	21.5	0	
10	QPSK	1	49	20.61	20.50	20.42			
10	QPSK	25	12	20.63	20.73	20.68			
10	QPSK	25	25	20.55	20.63	20.65	21.5	0	
10	QPSK	50	0	20.15	20.13	20.23			
10	QPSK	1	0	20.65	20.64	20.50			
10	QPSK	1	25	20.55	20.57	20.59	21.5	0	
10	QPSK	25	12	20.67	20.70	20.63			
10	QPSK	25	25	20.60	20.68	20.64	21.5	0	
10	QPSK	50	0	20.07	20.15	20.13			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.68	20.70	20.57	21.5	0	
5	QPSK	1	12	20.55	20.65	20.55			
5	QPSK	1	24	20.57	20.59	20.58			
5	QPSK	12	0	20.70	20.81	20.74			
5	QPSK	12	7	20.61	20.70	20.64	21.5	0	
5	QPSK	25	0	20.21	20.28	20.24			
5	QPSK	1	0	20.60	20.61	20.58			
5	QPSK	1	12	20.61	20.61	20.57	21.5	0	
5	QPSK	1	24	20.58	20.43	20.40			
5	QPSK	12	0	20.63	20.72	20.72			
5	QPSK	12	7	20.58	20.69	20.65			
5	QPSK	12	13	20.52	20.58	20.52	21.5	0	
5	QPSK	25	0	20.13	20.12	20.20			
5	QPSK	1	0	20.60	20.60	20.53			
5	QPSK	1	12	20.58	20.53	20.51	21.5	0	
5	QPSK	1	24	20.45	20.43	20.48			
5	QPSK	12	0	20.65	20.77	20.68			
5	QPSK	12	7	20.59	20.67	20.58	21.5	0	
5	QPSK	12	13	20.58	20.55	20.50			
5	QPSK	25	0	20.11	20.04	20.12			

Band 38_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Time-up Int (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.03	20.13	20.08	23.5	0	
20	QPSK	1	49	20.00	20.07	20.02			
20	QPSK	50	0	20.01	20.06	20.03			
20	QPSK	50	24	20.05	20.03	20.04	23.5	0	
20	QPSK	50	50	20.08	20.06	20.09			
20	QPSK	100	0	20.03	20.03	20.03			
20	QPSK	100	49	20.04	20.00	20.02	23.5	0	
20	QPSK	100	99	20.03	20.07	20.08			
20	QPSK	100	149	20.06	20.08	20.02			
20	QPSK	100	199	20.02	20.03	20.03			
20	QPSK	100	249	20.06	20.04	20.05			
20	QPSK	100	299	20.00	20.03	20.01	23	0.5	
20	QPSK	100	349	20.02	20.00	20.00			
20	QPSK	100	399	20.00	20.01	20.00			
20	QPSK	100	449	20.00	20.01	20.00	23	0.5	
20	QPSK	100	499	20.00	20.01	20.00			
Channel									
20	QPSK	100	0	20.03	20.06	20.03	Time-up Int (dB)	MPE (dB)	
15	QPSK	1	0	22.06	22.07	22.04			
15	QPSK	1	37	22.05	22.00	22.08	23.5	0	
15	QPSK	1	74	22.04	22.04	22.04			
15	QPSK	36	0	22.01	22.03	22.01			
15	QPSK	36	20	22.03	22.03	22.07	23.5	0	
15	QPSK	36	36	22.03	22.03	22.03			
15	QPSK	72	0	22.02	22.06	22.04			
15	QPSK	72	36	22.06	22.04	22.06	23.5	0	
15	QPSK	72	72	22.02	22.03	22.02			
15	QPSK	108	0	22.00	22.01	22.01			
15	QPSK	108	54	22.01	22.01	22.01	23.5	0	
15	QPSK	108	108	22.01	22.01	22.01			
15	QPSK	36	0	22.03	22.02	22.04			
15	QPSK	36	20	22.07	22.01	22.07	23.5	0.5	
15	QPSK	36	36	22.07	22.05	22.03			
15	QPSK	72	0	22.04	22.07	22.04			
15	QPSK	72	36	22.02	22.01	22.01	23.5	0.5	
15	QPSK	72	72	22.01	22.01	22.01			
15	QPSK	108	0	21.80	21.51	21.51			
15	QPSK	108	54	21.52	21.52	21.52	23.5	0.5	
15	QPSK	108	108	21.51	21.51	21.51			
15	QPSK	36	0	20.71	20.61	20.53			
15	QPSK	36	20	20.75	20.50	20.50	22	1.5	
15	QPSK	36	36	20.53	20.53	20.53			
15	QPSK	72	0	20.71	20.53	20.54			
15	QPSK	72	36	20.53	20.53	20.53	23.5	0.5	
15	QPSK	72	72	20.53	20.53	20.53			
15	QPSK	108	0	20.53	20.53	20.53	Time-up Int (dB)	MPE (dB)	
15	QPSK	108	54	20.53	20.53	20.53			
15	QPSK	108	108	20.53	20.53	20.53			
Channel									
10	QPSK	1	0	21.02	21.03	21.04			
10	QPSK	1	25	20.93	20.91	20.94	23.5	0	
10	QPSK	1	50	20.94	20.98	20.98			
10	QPSK	25	0	20.93	20.95	20.95			
10	QPSK	25	12	20.91	20.94	20.98	23.5	0	
10	QPSK	25	25	20.94	20.93	20.93			
10	QPSK	50	0	20.92	20.95	20.94			
10	QPSK	50	25	20.97	20.94	20.91	23.5	0	
10	QPSK	50	50	20.93	20.93	20.93			
10	QPSK	100	0	20.91	20.92	20.92			
10	QPSK	100	49	20.87	20.94	20.76			
10	QPSK	100	99	20.81	20.92	20.85	23.5	0	
10	QPSK	100	149	20.79	20.90	20.82			
10	QPSK	100	199	20.76	20.90	20.87			
10	QPSK	100	249	20.74	20.93	20.93	23.5	0.5	
10	QPSK	100	299	20.74	20.90	20.87			
10	QPSK	100	349	20.71	20.85	20.85			
10	QPSK	100	399	20.68	20.85	20.85	22	1.5	
10	QPSK	100	449	20.68	20.85	20.85			
10	QPSK	100	499	20.68	20.85	20.85	Time-up Int (dB)	MPE (dB)	
10	QPSK	100	549	20.68	20.85	20.85			
10	QPSK	100	599	20.68	20.85	20.85			
10	QPSK	100	649	20.68	20.85	20.85	23.5	0	
10	QPSK	100	699	20.68	20.85	20.85			
10	QPSK	100	749	20.68	20.85	20.85			
10	QPSK	100	799	20.68	20.85	20.85	23	0.5	
10	QPSK	100	849	20.68	20.85	20.85			
10	QPSK	100	899	20.68	20.85	20.85	23	0.5	
10	QPSK	100	949	20.68	20.85	20.85			
10	QPSK	100	999	20.68	20.85	20.85	23	0.5	
10	QPSK	100	1049	20.68	20.85	20.85			
10	QPSK	100	1099	20.68	20.85	20.85	23	0.5	
10	QPSK	100	1149	20.68	20.85	20.85			
10	QPSK	100	1199	20.68	20.85	20.85	23	0.5	
10	QPSK	100	1249	20.68	20.85	20.85			
10	QPSK	100	1299	20.68	20.85	20.85	23	0.5	
10	QPSK	100	1349	20.68	20.85	20.85			
10	QPSK	100	1399	20.68	20.85	20.85	23	0.5	
10	QPSK	100	1449	20.68	20.85	20.85			
10	QPSK	100	1499	20.68	20.85	20.85	23	0.5	
10	QPSK	100	1549	20.68	20.85	20.85			
10	QPSK	100	1599	20.68	20.85	20.85	23	0.5	
10	QPSK	100	1649	20.68	20.85	20.85			
10	QPSK	100	1699	20.68	20.85	20.85	23	0.5	
10	QPSK	100	1749	20.68	20.85	20.85			
10	QPSK	100	1799	20.68	20.85	20.85	23	0.5	
10	QPSK	100	1849	20.68	20.85	20.85			
10	QPSK	100	1899	20.68	20.85	20.85	23	0.5	
10	QPSK	100	1949	20.68	20.85	20.85			
10	QPSK	100	1999	20.68	20.85	20.85	23	0.5	
10	QPSK	100	2049	20.68	20.85	20.85			
10	QPSK	100	2099	20.68	20.85	20.85	23	0.5	
10	QPSK	100	2149	20.68	20.85	20.85			
10	QPSK	100	2199	20.68	20.85	20.85	23	0.5	
10	QPSK	100	2249	20.68	20.85	20.85			
10	QPSK	100	2299	20.68	20.85	20.85	23	0.5	
10	QPSK	100	2349	20.68	20.85	20.85			
10	QPSK	100	2399	20.68	20.85	20.85	23	0.5	
10	QPSK	100	2449	20.68	20.85	20.85			
10	QPSK	100	2499	20.68	20.85	20.85	23	0.5	
10	QPSK	100	2549	20.68	20.85	20.85			
10	QPSK	100	2599	20.68	20.85	20.85	23	0.5	
10	QPSK	100	2649	20.68	20.85	20.85			
10	QPSK	100	2699	20.68	20.85	20.85	23	0.5	
10	QPSK	100	2749	20.68	20.85	20.85			
10	QPSK	100	2799	20.68	20.85	20.85	23	0.5	
10	QPSK	100	2849	20.68	20.85	20.85			
10	QPSK	100	2899	20.68	20.85	20.85	23	0.5	
10	QPSK	100	2949	20.68	20.85	20.85			
10	QPSK	100	2999	20.68	20.85	20.85	23	0.5	
10	QPSK	100	3049	20.68	20.85	20.85			
10	QPSK	100	3099	20.68	20.85	20.85	23	0.5	
10	QPSK	100	3149	20.68	20.85	20.85			
10	QPSK	100	3199	20.68	20.85	20.85	23	0.5	
10	QPSK	100	3249	20.68	20.85	20.85			
10	QPSK	100	3299	20.68	20.85	20.85	23	0.5	
10	QPSK	100	3349	20.68	20.85	20.85			
10	QPSK	100	3399	20.68	20.85	20.85	23	0.5	
10	QPSK	100	3449	20.68	20.85	20.85			
10	QPSK	100	3499	20.68	20.85	20.85	23	0.5	
10	QPSK	100	3549	20.68	20.85	20.85			
10	QPSK	100	3599	20.68	20.85	20.85	23	0.5	
10	QPSK	100	3649	20.68	20.85	20.85			
10	QPSK	100	3699	20.68	20.85	20.85	23	0.5	
10	QPSK	100	3749	20.68	20.85	20.85			
10	QPSK	100	3799	20.68	20.85	20.85	23	0.5	
10	QPSK	100	3849	20.68	20.85	20.85			
10	QPSK	100	3899	20.68	20.85	20.85	23	0.5	
10	QPSK	100	3949	20.68	20.85	20.85			
10	QPSK	100	3999	20.68	20.85	20.85	23	0.5	
10	QPSK	100	4049	20.68	20.85	20.85			
10	QPSK	100	4099	20.68	20.85	20.85	23	0.5	
10	QPSK	100	4149	20.68	20.85	20.85			
10	QPSK	100	4199	20.68	20.85	20.85	23	0.5	
10	QPSK	100	4249	20.68	20.85	20.85			
10	QPSK	100	4299	20.68	20.85	20.85	23	0.5	
10	QPSK	100	4349	20.68	20.85	20.85			
10	QPSK	100	4399	20.68	20.85	20.85	23	0.5	
10	QPSK	100	4449	20.68	20.85	20.85			
10	QPSK	100	4499	20.68	20.85	20.85	23	0.5	
10	QPSK	100	4549	20.68	20.85	20.85			
10	QPSK	100	4599	20.68	20.85	20.85	23	0.5	
10	QPSK	100	4649	20.68	20.85	20.85			
10	QPSK	100	4699	20.68	20.85	20.85	23	0.5	
10	QPSK	100	4749	20.68	20.85	20.85			
10	QPSK	100	4799	20.68	20.85	20.85	23	0.5</	

Reduced Power Mode for DSI7

GSM850_Ant 31		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		129	189	251		129	189	251	
Frequency (MHz)		824.2	839.4	844.8		824.2	839.4	844.8	
GSM 1 Tx slot	32.67	32.72	32.69	33.50		23.67	23.72	23.69	24.50
GPRS 1 Tx slot	32.58	32.70	32.68	33.50		23.58	23.70	23.68	24.50
GPRS 2 Tx slots	30.43	30.63	30.69	31.50		24.43	24.63	24.69	25.50
GPRS 3 Tx slot	28.65	28.82	28.81	29.50		24.39	24.58	24.55	25.24
GPRS 4 Tx slots	26.54	26.77	26.70	27.50		23.54	23.77	23.70	24.50
EDGE 1 Tx slot	25.26	25.42	25.55	27.00		16.26	16.42	16.55	18.00
EDGE 2 Tx slots	24.06	24.61	24.57	26.50		16.06	16.61	16.57	19.50
EDGE 3 Tx slots	21.51	21.92	22.16	23.00		17.25	17.68	17.90	18.74
EDGE 4 Tx slots	19.05	19.41	19.52	20.50		16.05	16.41	16.52	17.50

GSM1900_Ant 31		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	29.86	29.70	29.62	31.00		20.66	20.70	20.62	22.00
GPRS 1 Tx slot	29.65	29.67	29.60	31.00		20.65	20.67	20.60	22.00
GPRS 2 Tx slots	27.86	27.96	27.80	28.50		21.86	21.96	21.90	22.50
GPRS 3 Tx slots	25.93	25.95	25.92	26.50		21.67	21.69	21.66	22.24
GPRS 4 Tx slots	23.92	23.96	23.93	24.50		20.92	20.96	20.93	21.50
EDGE 1 Tx slot	20.63	20.95	20.92	27.50		17.63	17.95	17.92	18.50
EDGE 2 Tx slots	24.97	24.91	24.61	26.50		18.97	18.91	18.61	19.50
EDGE 3 Tx slots	22.58	22.49	22.18	23.50		18.32	18.23	17.92	19.24
EDGE 4 Tx slots	20.51	19.91	19.90	21.50		17.51	16.91	16.90	18.50

Band		WCDMA V_Ant 31			Tune-up Limit (dBm)	WCDMA R_Ant 31			Tune-up Limit (dBm)
TX Channel		5262	9400	9538		1312	1413	1513	
Rx Channel		9662	9600	9538		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1762.6	
3GPP Rel 99	AMR 12.2Kbps	24.07	24.13	24.08	25.00	23.90	23.92	23.97	25.00
3GPP Rel 99	RMC 12.2Kbps	24.11	24.16	24.13	25.00	23.92	24.02	23.96	25.00
3GPP Rel 6	HSDPA Subtest-1	23.53	23.35	23.60	24.00	23.46	23.56	23.44	24.00
3GPP Rel 6	HSDPA Subtest-2	23.25	23.03	23.27	23.50	23.41	23.55	23.41	24.00
3GPP Rel 6	HSDPA Subtest-3	22.47	22.23	22.38	23.00	23.36	23.50	23.36	24.00
3GPP Rel 6	HSDPA Subtest-4	23.06	22.85	22.87	23.50	23.40	23.54	23.37	24.00
3GPP Rel 8	DCHSDPA Subtest-1	23.26	23.18	23.50	24.00	23.21	23.38	23.25	24.00
3GPP Rel 8	DCHSDPA Subtest-2	23.08	22.78	23.03	23.50	23.19	23.30	23.20	24.00
3GPP Rel 8	DCHSDPA Subtest-3	22.22	22.02	22.19	23.00	23.14	23.27	23.17	24.00
3GPP Rel 8	DCHSDPA Subtest-4	22.87	22.68	22.78	23.50	23.16	23.31	23.19	24.00
3GPP Rel 6	HSUPA Subtest-1	20.93	20.92	21.09	21.50	22.81	23.02	22.89	23.50
3GPP Rel 6	HSUPA Subtest-2	21.66	21.73	21.76	22.50	23.20	23.43	23.25	23.50
3GPP Rel 6	HSUPA Subtest-3	21.66	21.68	21.75	22.50	23.22	23.38	23.24	23.50
3GPP Rel 6	HSUPA Subtest-4	21.67	21.81	22.00	22.50	23.41	23.46	23.45	23.50
3GPP Rel 6	HSUPA Subtest-5	23.70	23.50	23.80	24.00	23.70	23.80	23.70	24.00
3GPP Rel 7	HSPA+ (TDDM) Subtest-1	22.72	22.80	22.70	23.50	22.76	22.82	22.84	23.50

Band		WCDMA V_Ant 31			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		836.4	838.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.02	24.12	24.04	25.00
3GPP Rel 99	RMC 12.2Kbps	24.12	24.15	24.11	25.00
3GPP Rel 6	HSDPA Subtest-1	23.21	23.10	23.22	24.00
3GPP Rel 6	HSDPA Subtest-2	22.75	22.86	22.90	23.00
3GPP Rel 6	HSDPA Subtest-3	22.48	22.54	22.58	23.00
3GPP Rel 6	HSDPA Subtest-4	22.40	22.45	22.34	23.00
3GPP Rel 8	DCHSDPA Subtest-1	22.90	22.94	23.01	24.00
3GPP Rel 8	DCHSDPA Subtest-2	22.54	22.61	22.74	23.00
3GPP Rel 8	DCHSDPA Subtest-3	22.27	22.29	22.39	23.00
3GPP Rel 8	DCHSDPA Subtest-4	22.21	22.21	22.17	23.00
3GPP Rel 6	HSUPA Subtest-1	21.40	21.27	21.31	21.50
3GPP Rel 6	HSUPA Subtest-2	21.87	21.72	21.64	22.00
3GPP Rel 6	HSUPA Subtest-3	21.88	21.93	21.69	22.00
3GPP Rel 6	HSUPA Subtest-4	21.48	21.45	21.48	21.50
3GPP Rel 6	HSUPA Subtest-5	23.58	23.60	23.56	24.00
3GPP Rel 7	HSPA+ (TDDM) Subtest-1	23.04	22.94	22.91	23.50

Band 2_Ant 31															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)							
Channel															
Frequency (MHz)															
20	QPSK	1	0	23.65	23.65	23.62	24.5	0							
20	QPSK	1	48	23.62	23.63	23.67									
20	QPSK	1	96	23.61	23.57	23.55									
20	QPSK	50	0	22.55	22.68	22.58									
20	QPSK	50	24	22.56	22.42	22.50	23.5	1							
20	QPSK	50	50	22.52	22.63	22.62									
20	QPSK	100	0	22.57	22.59	22.44									
20	16QAM	1	0	22.68	22.60	22.62									
20	16QAM	1	48	22.70	22.54	22.53	23.5	1							
20	16QAM	1	96	22.62	22.55	22.58									
20	16QAM	50	0	21.68	21.74	21.62									
20	16QAM	50	24	21.76	21.66	21.62									
20	16QAM	50	50	21.72	21.63	21.66	22.5	2							
20	16QAM	100	0	21.72	21.65	21.58									
20	64QAM	1	0	21.80	21.62	21.66									
20	64QAM	1	48	21.82	21.73	21.67									
20	64QAM	1	96	21.65	21.62	21.86	21.5	3							
20	64QAM	50	0	20.32	20.20	20.25									
20	64QAM	50	24	20.24	20.20	20.11									
20	64QAM	50	50	20.32	20.20	20.20									
20	64QAM	100	0	20.33	20.18	20.14									
Channel															
Frequency (MHz)															
15	QPSK	1	0	18.675	18.600	19.025	24.5	0							
15	QPSK	1	0	23.59	23.66	23.54									
15	QPSK	1	74	23.60	23.56	23.47									
15	QPSK	36	0	22.52	22.63	22.63									
15	QPSK	36	20	22.52	22.32	22.40	23.5	1							
15	QPSK	36	39	22.49	22.59	22.53									
15	QPSK	75	0	22.48	22.55	22.34									
15	16QAM	1	0	22.57	22.54	22.61									
15	16QAM	1	37	22.67	22.53	22.46	23.5	1							
15	16QAM	1	74	22.58	22.60	22.54									
15	16QAM	36	0	21.59	21.69	21.56									
15	16QAM	36	20	21.71	21.62	21.50									
15	16QAM	36	39	21.68	21.53	21.60	22.5	2							
15	16QAM	75	0	21.70	21.58	21.53									
15	64QAM	1	0	21.77	21.55	21.63									
15	64QAM	1	37	21.78	21.68	21.80									
15	64QAM	1	74	21.59	21.52	21.80	21.5	3							
15	64QAM	50	0	20.31	20.15	20.15									
15	64QAM	50	20	20.16	20.18	20.09									
15	64QAM	50	39	20.30	20.23	20.12									
15	64QAM	75	0	20.29	20.16	20.08									
Channel															
Frequency (MHz)															
10	QPSK	1	0	23.59	23.55	23.55	24.5	0							
10	QPSK	1	25	23.53	23.44	23.47									
10	QPSK	1	49	23.55	23.55	23.47									
10	QPSK	25	0	22.51	22.63	22.68									
10	QPSK	25	12	22.47	22.33	22.40	23.5	1							
10	QPSK	25	25	22.48	22.61	22.57									
10	QPSK	50	0	22.56	22.56	22.48									
10	16QAM	1	0	22.67	22.57	22.56									
10	16QAM	1	25	22.65	22.57	22.46	23.5	1							
10	16QAM	1	49	22.57	22.63	22.52									
10	16QAM	25	0	21.66	21.68	21.53									
10	16QAM	25	12	21.71	21.56	21.54									
10	16QAM	25	25	21.63	21.62	21.64	22.5	2							
10	16QAM	50	0	21.68	21.55	21.57									
10	16QAM	50	0	21.75	21.53	21.60									
10	64QAM	1	25	21.78	21.71	21.79									
10	64QAM	1	49	21.64	21.53	21.84	21.5	3							
10	64QAM	25	0	20.31	20.17	20.22									
10	64QAM	25	12	20.23	20.19	20.10									
10	64QAM	25	25	20.25	20.23	20.13									
10	64QAM	50	0	20.24	20.14	20.10									
Channel															
Frequency (MHz)															
5	QPSK	1	0	23.58	23.55	23.55	24.5	0							
5	QPSK	1	12	23.55	23.44	23.56									
5	QPSK	1	24	23.53	23.41	23.53									
5	QPSK	12	0	22.58	22.65	22.58									
5	QPSK	12	7	22.45	22.34	22.43	23.5	1							
5	QPSK	12	13	22.45	22.55	22.57									
5	QPSK	25	0	22.54	22.51	22.36									
5	16QAM	1	0	22.63	22.59	22.61									
5	16QAM	1	12	22.66	22.51	22.52	23.5	1							
5	16QAM	1	24	22.56	22.61	22.58									
5	16QAM	12	0	21.66	21.71	21.53									
5	16QAM	12	7	21.66	21.58	21.55									
5	16QAM	12	13	21.63	21.59	21.58	22.5	2							
5	16QAM	25	0	21.65	21.59	21.56									
5	64QAM	1	0	21.72	21.53	21.63									
5	64QAM	1	12	21.78	21.65	21.85									
5	64QAM	1	24	21.64	21.54	21.84	21.5	3							
5	64QAM	12	0	20.28	20.14	20.21									
5	64QAM	12	7	20.14	20.11	20.06									
5	64QAM	12	13	20.25	20.20	20.18									
5	64QAM	25	0	20.32	20.14	20.06									
Channel															
Frequency (MHz)															
18.600	QPSK	1	0	23.59	23.45	23.61	24.5	0							
3	QPSK	1	8	23.59	23.45	23.52									
3	QPSK	1	14	23.59	23.47	23.50									
3	QPSK	8	0	22.53	22.66	22.58									
3	QPSK	8	4	22.45	22.40	22.44	23.5	1							
3	QPSK	8	7	22.45	22.36	22.55									
3	QPSK	15	0	22.55	22.53	22.36									
3	16QAM	1	0	22.58	22.55	22.56									
3	16QAM	1	8	22.68	22.53	22.47	23.5	1							
3	16QAM	1	14	22.55	22.63	22.51									
3	16QAM	8	0	21.60	21.65	21.60									
3	16QAM	8	4	21.71	21.57	21.57									
3	16QAM	8	7	21.70	21.62	21.65	22.5	2							
3	16QAM	15	0	21.62	21.62	21.56									
3	64QAM	1	0	21.72	21.54	21.56									
3	64QAM	1	8	21.75	21.69	21.79									
3	64QAM	1	14	21.57	21.52	21.81	21.5	3							
3	64QAM	8	0	20.30	20.16	20.24									
3	64QAM	8	4	20.23	20.19	20.10									
3	64QAM	8	7	20.27	20.22	20.16									
3	64QAM	15	0	20.31	20.09	20.07									
Channel															
Frequency (MHz)															
18.600	QPSK	1	0	23.53	23.68	23.55	24.5	0							
1.4	QPSK	1	0	23.53	23.68	23.54									
1.4	QPSK	1	5	23.54	23.53	23.54									
1.4	QPSK	1	9	23.56	23.39	23.52									
1.4	QPSK	3	0	23.56	23.43	23.44	23.5	1							
1.4	QPSK	3	3	23.53	23.45	23.49									
1.4	QPSK	3	6	23.45	23.37	23.37									
1.4	QPSK	3	9	22.60	22.52	22.54									
1.4	16QAM	1	3	22.60	22.51	22.51	23.5	1							
1.4	16QAM	1	5	22.54	22.46	22.47									
1.4	16QAM	1	9	22.50	22.49	22.47									
1.4	16QAM	3	1	22.59	22.44	22.45									
1.4	16QAM	3	3	22.46	22.49	22.45	22.5	2							
1.4	16QAM	3	6	21.66	21.55	21.51									
1.4	64QAM	1	0	21.77	21.57	21.59									
1.4	64QAM	1	3	21.79	21.67	21.78									
1.4	64QAM	1	5	21.81	21.59	21.84	22.5	2							
1.4	64QAM	3	0	21.68	21.50	21.53									
1.4	64QAM	3	1	21.69	21.61	21.75									
1.4	64QAM	3	3	21.54	21.50	21.75									
1.4	64QAM	20	0	20.12	20.12	20.12	21.5	3							

Band 5_Ant 31									
BW [MHz]	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	20505	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.88	23.90	23.82	25	0	
10	QPSK	1	25	23.75	23.81	23.75			
10	QPSK	1	49	23.85	23.67	23.81			
10	QPSK	25	0	22.74	22.72	22.69			
10	QPSK	25	25	22.77	22.70	22.77			
10	QPSK	50	0	22.66	22.67	22.64	24	1	
10	16QAM	1	0	22.95	22.95	22.99			
10	16QAM	1	25	22.80	22.76	22.91			
10	16QAM	1	49	22.84	22.85	22.87			
10	16QAM	25	0	21.81	21.95	21.71			
10	16QAM	25	12	21.66	21.68	21.61	23	2	
10	16QAM	25	25	21.76	21.91	21.93			
10	16QAM	50	0	21.79	21.77	21.66			
10	64QAM	1	0	21.64	21.58	21.51			
10	64QAM	1	25	21.67	21.67	21.86			
10	64QAM	1	25	21.67	21.87	21.86	23	2	
10	64QAM	1	49	21.71	21.62	21.83			
10	64QAM	25	0	20.88	20.91	20.95			
10	64QAM	25	12	20.86	20.94	20.92			
10	64QAM	25	25	20.80	20.84	20.82			
10	64QAM	50	0	20.75	20.79	20.92	22	3	
Channel				20452	20507	20602	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829.5	836.5	846.5			
5	QPSK	1	0	23.79	23.84	23.72	25	0	
5	QPSK	1	24	23.74	23.75	23.70			
5	QPSK	1	24	23.79	23.65	23.71			
5	QPSK	12	0	22.70	22.90	22.83			
5	QPSK	12	7	22.72	22.82	22.81			
5	QPSK	12	13	22.71	22.60	22.71	24	1	
5	QPSK	25	0	22.58	22.61	22.58			
5	16QAM	1	0	21.70	21.85	21.70			
5	16QAM	1	12	22.76	22.70	22.88			
5	16QAM	1	24	22.79	22.76	22.82			
5	16QAM	12	0	21.80	21.94	21.68	23	2	
5	16QAM	12	7	21.59	21.66	21.53			
5	16QAM	12	13	21.74	21.85	21.85			
5	16QAM	25	0	21.69	21.68	21.80			
5	64QAM	1	0	21.61	21.56	21.53			
5	64QAM	1	12	21.66	21.85	21.84	23	2	
5	64QAM	1	24	21.63	21.60	21.58			
5	64QAM	12	0	20.84	20.87	20.86			
5	64QAM	12	7	20.79	20.81	20.82			
5	64QAM	12	13	20.74	20.75	20.74			
5	64QAM	25	0	20.73	20.74	20.85	22	3	
Channel				20453	20508	20603	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829.5	836.5	847.5			
3	QPSK	1	0	23.84	23.87	23.72	25	0	
3	QPSK	1	8	23.72	23.80	23.62			
3	QPSK	1	14	23.83	23.60	23.74			
3	QPSK	8	0	22.75	22.93	22.75			
3	QPSK	8	4	22.71	22.71	22.80			
3	QPSK	8	7	22.71	22.61	22.69	24	1	
3	QPSK	15	0	22.60	22.60	22.95			
3	16QAM	1	0	22.80	22.83	22.95			
3	16QAM	1	8	22.78	22.68	22.82			
3	16QAM	1	14	22.82	22.73	22.82			
3	16QAM	8	0	21.71	21.89	21.70	23	2	
3	16QAM	8	4	21.65	21.63	21.54			
3	16QAM	8	7	21.68	21.85	21.80			
3	16QAM	15	0	21.69	21.68	21.83			
3	64QAM	1	0	21.61	21.57	21.52			
3	64QAM	1	8	21.61	21.85	21.83	23	2	
3	64QAM	1	14	21.65	21.60	21.61			
3	64QAM	8	0	20.83	20.82	20.93			
3	64QAM	8	4	20.85	20.83	20.82			
3	64QAM	8	7	20.78	20.81	20.77			
3	64QAM	15	0	20.73	20.74	20.85	22	3	
Channel				20447	20505	20543	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.82	23.81	23.74	25	0	
1.4	QPSK	1	3	23.66	23.73	23.63			
1.4	QPSK	1	5	23.81	23.57	23.77			
1.4	QPSK	3	0	23.81	23.76	23.70			
1.4	QPSK	3	1	23.62	23.70	23.55			
1.4	QPSK	3	3	23.72	23.45	23.56	24	1	
1.4	QPSK	6	0	22.99	22.61	22.61			
1.4	16QAM	1	0	22.90	22.88	22.92			
1.4	16QAM	1	3	22.75	22.71	22.83			
1.4	16QAM	1	5	22.81	22.72	22.86			
1.4	16QAM	3	0	22.84	22.54	22.86	24	1	
1.4	16QAM	3	1	22.70	22.66	22.74			
1.4	16QAM	3	3	22.71	22.66	22.84			
1.4	16QAM	6	0	21.69	21.73	21.61			
1.4	64QAM	1	0	21.58	21.54	21.55			
1.4	64QAM	1	3	21.58	21.82	21.85	23	2	
1.4	64QAM	1	5	21.69	21.60	21.54			
1.4	64QAM	3	0	21.50	21.46	21.51			
1.4	64QAM	3	1	21.57	21.77	21.76			
1.4	64QAM	3	3	21.66	21.54	21.51			
1.4	64QAM	6	0	20.67	20.65	20.86	22	3	

Band 66_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.17	23.72	23.95	24.5	0	
20	QPSK	1	48	23.57	23.50	23.54			
20	QPSK	1	89	23.50	23.53	23.60			
20	QPSK	50	0	22.73	22.81	22.77	23.5	1	
20	QPSK	50	24	22.71	22.87	22.65			
20	QPSK	50	50	22.64	22.66	22.52			
20	QPSK	100	0	22.65	22.77	22.72	23.5	1	
20	16QAM	1	0	22.61	22.72	22.66			
20	16QAM	1	48	22.58	22.62	22.70			
20	16QAM	1	89	22.60	22.78	22.65	22.5	2	
20	16QAM	50	0	21.63	21.72	21.74			
20	16QAM	50	24	21.60	21.70	21.81			
20	16QAM	50	50	21.58	21.70	21.72	22.5	2	
20	16QAM	100	0	21.58	21.67	21.71			
20	64QAM	1	0	21.57	21.36	21.47			
20	64QAM	1	48	21.54	21.40	21.50	21.5	3	
20	64QAM	1	89	21.60	21.52	21.66			
20	64QAM	50	0	20.14	20.13	20.35			
20	64QAM	50	24	20.16	20.22	20.21	21.5	3	
20	64QAM	50	50	20.11	20.39	20.26			
20	64QAM	100	0	20.25	20.20	20.31			
Channel				132047	132322	132597	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	23.51	23.50	23.44	24.5	0	
15	QPSK	1	37	23.34	23.26	23.43			
15	QPSK	1	74	23.28	23.30	23.37			
15	QPSK	36	0	22.55	22.63	22.59	23.5	1	
15	QPSK	36	20	22.55	22.33	22.45			
15	QPSK	36	39	22.40	22.50	22.38			
15	QPSK	75	0	22.41	22.56	22.49	23.5	1	
15	16QAM	1	0	22.53	22.63	22.56			
15	16QAM	1	37	22.57	22.58	22.64			
15	16QAM	1	74	22.58	22.71	22.63	22.5	2	
15	16QAM	36	0	21.53	21.64	21.71			
15	16QAM	36	20	21.51	21.64	21.58			
15	16QAM	36	39	21.49	21.62	21.69	22.5	2	
15	16QAM	75	0	21.48	21.63	21.67			
15	64QAM	1	0	21.49	21.30	21.39			
15	64QAM	1	37	21.50	21.34	21.44	22.5	2	
15	64QAM	1	74	21.50	21.44	21.56			
15	64QAM	36	0	20.11	20.05	20.25			
15	64QAM	36	20	20.09	20.12	20.14	21.5	3	
15	64QAM	36	39	20.01	20.37	20.10			
15	64QAM	75	0	20.17	20.13	20.22			
Channel				132522	132322	132592	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
10	QPSK	1	0	23.48	23.52	23.43	24.5	0	
10	QPSK	1	25	23.40	23.25	23.47			
10	QPSK	1	48	23.26	23.36	23.38			
10	QPSK	25	0	22.51	22.56	22.56	23.5	1	
10	QPSK	25	12	22.50	22.40	22.47			
10	QPSK	25	25	22.39	22.41	22.28			
10	QPSK	50	0	22.46	22.59	22.56	23.5	1	
10	16QAM	1	0	22.56	22.63	22.58			
10	16QAM	1	25	22.50	22.53	22.69			
10	16QAM	1	48	22.52	22.69	22.65	22.5	2	
10	16QAM	25	0	21.53	21.68	21.67			
10	16QAM	25	12	21.58	21.60	21.58			
10	16QAM	25	25	21.53	21.60	21.63	22.5	2	
10	16QAM	50	0	21.54	21.62	21.66			
10	64QAM	1	0	21.50	21.34	21.38			
10	64QAM	1	25	21.51	21.36	21.40	22.5	2	
10	64QAM	1	48	21.50	21.49	21.57			
10	64QAM	25	0	20.13	20.07	20.27			
10	64QAM	25	12	20.13	20.20	20.18	21.5	3	
10	64QAM	25	25	20.05	20.36	20.19			
10	64QAM	50	0	20.15	20.16	20.30			
Channel				131987	132322	132642	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	23.45	23.55	23.48	24.5	0	
5	QPSK	1	12	23.38	23.28	23.47			
5	QPSK	1	24	23.33	23.31	23.37			
5	QPSK	12	0	22.54	22.97	22.92	23.5	1	
5	QPSK	12	7	22.54	22.33	22.45			
5	QPSK	25	0	22.45	22.43	22.34			
5	16QAM	1	0	22.46	22.66	22.50	23.5	1	
5	16QAM	1	12	22.49	22.62	22.65			
5	16QAM	1	24	22.41	22.70	22.61			
5	16QAM	12	0	21.55	21.64	21.67	22.5	2	
5	16QAM	12	7	21.59	21.64	21.55			
5	16QAM	12	13	21.54	21.61	21.69			
5	16QAM	25	0	21.55	21.60	21.57	22.5	2	
5	64QAM	1	0	21.48	21.30	21.38			
5	64QAM	1	12	21.53	21.39	21.44			
5	64QAM	1	24	21.51	21.46	21.60	21.5	3	
5	64QAM	12	0	20.13	20.06	20.33			
5	64QAM	12	7	20.14	20.20	20.18			
5	64QAM	12	13	20.01	20.29	20.24	21.5	3	
5	64QAM	25	0	20.17	20.11	20.34			
Channel				131987	132322	132642	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	23.51	23.50	23.45	24.5	0	
3	QPSK	1	8	23.32	23.26	23.45			
3	QPSK	1	14	23.33	23.36	23.37			
3	QPSK	8	0	22.54	22.56	22.52	23.5	1	
3	QPSK	8	4	22.52	22.37	22.41			
3	QPSK	8	7	22.47	22.50	22.27			
3	QPSK	15	0	22.44	22.54	22.49	23.5	1	
3	16QAM	1	0	22.53	22.65	22.63			
3	16QAM	1	8	22.56	22.53	22.66			
3	16QAM	1	14	22.59	22.77	22.59	22.5	2	
3	16QAM	8	0	21.61	21.69	21.72			
3	16QAM	8	4	21.62	21.64	21.53			
3	16QAM	8	7	21.62	21.61	21.71	22.5	2	
3	16QAM	15	0	21.48	21.64	21.62			
3	64QAM	1	0	21.53	21.27	21.37			
3	64QAM	1	8	21.51	21.32	21.45	22.5	2	
3	64QAM	1	14	21.53	21.47	21.50			
3	64QAM	8	0	20.06	20.08	20.29			
3	64QAM	8	4	20.14	20.16	20.15	21.5	3	
3	64QAM	8	7	20.09	20.35	20.10			
3	64QAM	15	0	20.21	20.19	20.25			
Channel				131979	132322	132695	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	23.49	23.49	23.43	24.5	0	
1.4	QPSK	1	3	23.39	23.29	23.42			
1.4	QPSK	1	5	23.25	23.32	23.35			
1.4	QPSK	3	0	23.39	23.47	23.37	23.5	1	
1.4	QPSK	3	1	23.36	23.20	23.39			
1.4	QPSK	3	3	23.23	23.25	23.38			
1.4	QPSK	6	0	22.48	22.55	22.53	23.5	1	
1.4	16QAM	1	0	22.57	22.71	22.56			
1.4	16QAM	1	3	22.55	22.67	22.65			
1.4	16QAM	1	5	22.58	22.75	22.61	23.5	1	
1.4	16QAM	3	0	22.52	22.65	22.66			
1.4	16QAM	3	1	22.51	22.47	22.60			
1.4	16QAM	3	3	22.55	22.68	22.51	22.5	2	
1.4	16QAM	6	0	21.54	21.61	21.64			
1.4	64QAM	1	0	21.53	21.26	21.38			
1.4	64QAM	1	3	21.49	21.32	21.48	22.5	2	
1.4	64QAM	3	0	21.50	21.47	21.58			
1.4	64QAM	3	1	21.52	21.36	21.50			
1.4	64QAM	3	3	21.42	21.23	21.38	21.5	3	
1.4	64QAM	6	0	20.06	20.08	20.29			
1.4	64QAM	6	3	20.14	20.15	20.13			
1.4	64QAM	3	3	21.46	21.47	21.52	21.5	3	
1.4	64QAM	6	0	20.20	20.19	20.27			

Band 38_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPE (dB)		
Channel				37650	37650	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.50	24.53	24.55	25	0		
20	QPSK	1	49	24.47	24.53	24.42				
20	QPSK	1	99	24.54	24.54	24.45				
20	QPSK	50	0	23.52	23.63	23.55	24	1		
20	QPSK	50	24	23.54	23.35	23.41				
20	QPSK	50	50	23.58	23.60	23.52				
20	QPSK	100	0	23.58	23.60	23.52	24	1		
20	16QAM	1	0	23.02	22.84	22.87				
20	16QAM	1	49	22.98	22.88	22.78				
20	16QAM	1	99	23.12	23.18	22.89	23	2		
20	16QAM	50	0	22.66	22.68	22.52				
20	16QAM	50	24	22.76	22.54	22.55				
20	16QAM	50	50	22.80	22.53	22.71	23	2		
20	16QAM	100	0	22.52	22.80	22.50				
20	64QAM	1	0	21.80	21.85	21.80				
20	64QAM	1	49	21.82	21.55	21.58	23	2		
20	64QAM	1	99	21.68	21.38	21.62				
20	64QAM	50	0	20.75	20.71	20.54				
20	64QAM	50	24	20.79	20.50	20.59	22	3		
20	64QAM	50	50	20.79	20.58	20.74				
20	64QAM	100	0	20.73	20.62	20.60				
Channel				37625	38000	38175	Time-up limit (dBm)	MPE (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	24.48	24.45	24.43	25	0		
15	QPSK	1	37	24.37	24.48	24.34				
15	QPSK	1	74	24.48	24.44	24.42				
15	QPSK	36	0	23.58	23.58	23.53	24	1		
15	QPSK	36	20	23.48	23.30	23.33				
15	QPSK	36	39	23.48	23.58	23.48				
15	QPSK	75	0	22.47	22.55	22.48	24	1		
15	16QAM	1	0	22.02	22.75	22.63				
15	16QAM	1	37	22.89	22.80	22.77				
15	16QAM	1	74	23.08	23.13	22.88	23	2		
15	16QAM	36	0	22.63	22.59	22.47				
15	16QAM	36	20	22.67	22.51	22.50				
15	16QAM	36	39	22.79	22.50	22.63	23	2		
15	16QAM	75	0	22.44	22.52	22.44				
15	64QAM	1	0	21.52	21.61	21.53				
15	64QAM	1	37	21.60	21.51	21.51	23	2		
15	64QAM	1	74	21.60	21.37	21.58				
15	64QAM	36	0	20.71	20.61	20.53				
15	64QAM	36	20	20.75	20.50	20.50	22	3		
15	64QAM	36	39	20.73	20.51	20.72				
15	64QAM	75	0	20.71	20.53	20.54				
Channel				37600	38000	38200	Time-up limit (dBm)	MPE (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
10	QPSK	1	0	24.54	24.53	24.41	25	0		
10	QPSK	1	25	24.45	24.48	24.42				
10	QPSK	1	49	24.45	24.52	24.41				
10	QPSK	25	0	23.59	23.59	23.51	24	1		
10	QPSK	25	12	23.44	23.35	23.38				
10	QPSK	25	25	23.54	23.55	23.43				
10	QPSK	50	0	23.50	23.50	23.42	24	1		
10	16QAM	1	0	22.97	23.50	23.61				
10	16QAM	1	25	22.98	22.75	22.75				
10	16QAM	1	49	23.03	23.07	22.85	23	2		
10	16QAM	25	0	22.61	22.62	22.45				
10	16QAM	25	12	22.70	22.40	22.52				
10	16QAM	25	25	22.79	22.43	22.63	23	2		
10	16QAM	50	0	22.44	22.50	22.42				
10	64QAM	1	0	21.50	21.55	21.51				
10	64QAM	1	25	21.54	21.47	21.52	23	2		
10	64QAM	1	49	21.60	21.31	21.52				
10	64QAM	25	0	20.74	20.66	20.53				
10	64QAM	25	12	20.74	20.50	20.58	22	3		
10	64QAM	25	25	20.71	20.50	20.73				
10	64QAM	50	0	20.65	20.61	20.62				
Channel				37775	38000	38225	Time-up limit (dBm)	MPE (dB)		
Frequency (MHz)				2582.5	2595	2612.5				
5	QPSK	1	0	24.58	24.56	24.47	25	0		
5	QPSK	1	12	24.37	24.51	24.38				
5	QPSK	1	24	24.47	24.49	24.42				
5	QPSK	12	0	23.52	23.62	23.54	24	1		
5	QPSK	12	7	23.49	23.34	23.40				
5	QPSK	25	0	23.48	23.59	23.46				
5	16QAM	1	0	22.99	22.82	22.75	24	1		
5	16QAM	1	12	22.95	22.97	22.72				
5	16QAM	1	24	23.08	23.15	22.79				
5	16QAM	12	0	22.64	22.64	22.42	23	2		
5	16QAM	12	7	22.67	22.46	22.48				
5	16QAM	12	13	22.74	22.43	22.51				
5	16QAM	25	0	22.44	22.54	22.48	23	2		
5	64QAM	1	0	21.57	21.53	21.51				
5	64QAM	1	12	21.52	21.52	21.52				
5	64QAM	1	24	21.65	21.31	21.60	22	3		
5	64QAM	12	0	20.77	20.68	20.48				
5	64QAM	12	7	20.74	20.55	20.50				
5	64QAM	12	13	20.69	20.49	20.64	22	3		
5	64QAM	25	0	20.63	20.54	20.54				

Band 41_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq, Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPE (dB)		
Channel				40140	40090	40070	41140			
Frequency (MHz)				2540	2570	2600				
20	QPSK	1	0	24.50	24.53	24.58	25	0		
20	QPSK	1	49	24.41	24.50	24.55				
20	QPSK	1	99	24.48	24.38	24.53				
20	QPSK	50	0	23.45	23.50	23.68	24	1		
20	QPSK	50	24	23.40	23.43	23.60				
20	QPSK	50	50	23.42	23.43	23.61				
20	16QAM	1	0	22.73	22.55	22.77	24	2		
20	16QAM	1	49	22.94	23.05	23.09				
20	16QAM	1	99	23.06	22.79	23.11				
20	16QAM	50	0	22.75	22.77	22.81	23	2		
20	16QAM	50	24	22.68	22.69	22.72				
20	16QAM	50	50	22.88	22.59	22.79				
20	16QAM	100	0	22.84	22.65	22.78	23	2		
20	64QAM	1	0	21.84	21.88	21.85				
20	64QAM	1	49	21.94	21.83	22.06			21	2
20	64QAM	1	99	22.05	21.83	22.11	22	3		
20	64QAM	50	0	20.71	20.73	20.75				
20	64QAM	50	24	20.63	20.73	20.79				
20	64QAM	50	50	20.79	20.64	20.89	22	3		
20	64QAM	100	0	20.79	20.64	20.89				
20	64QAM	100	50	20.71	20.73	20.75				
Channel				40115	40095	40085	41165			
Frequency (MHz)				2544	2547	2547	2638			
15	QPSK	1	37	24.42	24.45	24.61	25	0		
15	QPSK	1	74	24.39	24.28	24.52				
15	QPSK	50	0	23.45	23.48	23.61				
15	QPSK	50	20	23.35	23.41	23.52	24	1		
15	QPSK	50	50	23.33	23.18	23.52				
15	QPSK	50	75	23.33	23.13	23.54				
15	16QAM	1	0	22.69	22.81	22.74	24	1		
15	16QAM	1	49	22.92	23.03	23.07				
15	16QAM	1	94	23.04	22.76	23.07				
15	16QAM	50	0	22.72	22.72	22.76	23	2		
15	16QAM	50	20	22.62	22.62	22.67				
15	16QAM	50	50	22.85	22.57	22.76				
15	16QAM	100	0	22.69	22.61	22.74	23	2		
15	64QAM	1	0	21.83	21.87	21.84				
15	64QAM	1	37	21.93	21.81	22.06			21	2
15	64QAM	1	74	22.01	21.79	22.06	23	2		
15	64QAM	50	0	20.65	20.65	20.69				
15	64QAM	50	20	20.54	20.64	20.69				
15	64QAM	50	50	20.70	20.68	20.68	22	3		
15	64QAM	100	0	20.67	20.67	20.67				
15	64QAM	100	50	20.67	20.67	20.74				
Channel				40090	40090	40090	41140			
Frequency (MHz)				2544	2544	2539	2634			
10	QPSK	1	26	24.43	24.43	24.46	25	0		
10	QPSK	1	48	24.47	24.37	24.52				
10	QPSK	50	0	23.45	23.48	23.61				
10	QPSK	25	12	23.35	23.33	23.52	24	1		
10	QPSK	25	38	23.37	23.23	23.52				
10	QPSK	25	63	23.42	23.28	23.51				
10	16QAM	1	0	22.70	22.88	22.88	24	1		
10	16QAM	1	26	22.87	22.97	23.00				
10	16QAM	1	49	23.03	22.78	23.02				
10	16QAM	25	0	22.65	22.76	22.73	23	2		
10	16QAM	25	12	22.68	22.68	22.73				
10	16QAM	25	38	22.85	22.51	22.76				
10	16QAM	25	63	22.65	22.57	22.77	23	2		
10	16QAM	50	0	21.83	21.87	21.84				
10	16QAM	50	26	21.90	21.82	22.09			21	2
10	64QAM	1	0	21.99	21.81	22.06	22	3		
10	64QAM	1	26	22.10	21.79	22.06				
10	64QAM	25	12	20.55	20.68	20.74				
10	64QAM	25	38	20.72	20.47	20.71	22	3		
10	64QAM	50	0	20.56	20.59	20.64				
10	64QAM	50	26	20.56	20.68	20.71				
Channel				40085	40085	40085	41215			
Frequency (MHz)				2537.5	2537.5	2537.5	2632			
5	QPSK	1	12	24.43	24.42	24.61	25	0		
5	QPSK	1	24	24.44	24.31	24.53				
5	QPSK	12	0	23.46	23.47	23.62				
5	QPSK	12	7	23.38	23.37	23.51	24	1		
5	QPSK	12	13	23.32	23.18	23.58				
5	QPSK	12	25	23.42	23.27	23.57				
5	16QAM	1	0	22.69	22.90	22.73	24	1		
5	16QAM	1	12	22.92	23.03	23.07				
5	16QAM	1	24	23.03	22.78	23.05				
5	16QAM	12	0	22.67	22.68	22.71	23	2		
5	16QAM	12	7	22.60	22.60	22.65				
5	16QAM	12	13	22.80	22.50	22.75				
5	16QAM	25	0	22.69	22.58	22.75	23	2		
5	16QAM	25	7	22.62	22.62	22.67				
5	16QAM	25	13	22.81	22.50	22.75				
5	64QAM	1	0	21.99	21.81	22.06	22	3		
5	64QAM	1	12	22.10	21.79	22.06				
5	64QAM	12	7	20.58	20.61	20.74				
5	64QAM	12	13	20.71	20.55	20.62	22	3		
5	64QAM	25	0	20.56	20.56	20.61				
5	64QAM	25	7	20.56	20.61	20.74				

Reduced Power Mode for DSI8

GSM850_Ant.13				Burst Average Power (dBm)				Tune-up				Frame Average Power (dBm)				Tune-up			
TX Channel				Limit				Limit				Limit				Limit			
Frequency (MHz)				(dBm)				(dBm)				(dBm)				(dBm)			
GSM 1 Tx slot				32.58				32.58				32.58				32.58			
GPRS 1 Tx slot				32.41				32.41				32.41				32.41			
GPRS 2 Tx slots				30.57				30.57				30.57				30.57			
GPRS 3 Tx slots				28.71				28.71				28.71				28.71			
GPRS 4 Tx slots				26.89				26.89				26.89				26.89			
EDGE 1 Tx slot				25.29				25.29				25.29				25.29			
EDGE 2 Tx slots				24.14				24.14				24.14				24.14			
EDGE 3 Tx slots				21.54				21.54				21.54				21.54			
EDGE 4 Tx slots				19.32				19.32				19.32				19.32			

GSM1800_Ant.13				Burst Average Power (dBm)				Tune-up				Frame Average Power (dBm)				Tune-up			
TX Channel				Limit				Limit				Limit				Limit			
Frequency (MHz)				(dBm)				(dBm)				(dBm)				(dBm)			
GSM 1 Tx slot				26.80				26.80				26.80				26.80			
GPRS 1 Tx slot				26.76				26.76				26.76				26.76			
GPRS 2 Tx slots				23.65				23.65				23.65				23.65			
GPRS 3 Tx slots				21.64				21.65				21.65				21.65			
GPRS 4 Tx slots				19.69				19.75				19.75				19.75			
EDGE 1 Tx slot				26.85				26.85				26.85				26.85			
EDGE 2 Tx slots				25.25				25.25				25.25				25.25			
EDGE 3 Tx slots				22.38				22.44				22.44				22.44			
EDGE 4 Tx slots				20.21				19.97				19.98				19.98			

Band				WCDMA 8_Ant.13				Tune-up				WCDMA 8_Ant.31				Tune-up			
TX Channel				Limit				Limit				Limit				Limit			
Rx Channel				Limit				Limit				Limit				Limit			
Frequency (MHz)				(dBm)				(dBm)				(dBm)				(dBm)			
3GPP Rel 99				18.68				18.68				18.68				18.68			
3GPP Rel 99				18.62				18.62				18.62				18.62			
3GPP Rel 6				17.68				17.49				17.59				17.59			
3GPP Rel 6				17.35				17.09				17.29				17.29			
3GPP Rel 6				18.38				18.33				18.47				18.47			
3GPP Rel 6				17.03				16.87				17.00				17.00			
3GPP Rel 6				17.45				17.31				17.32				17.32			
3GPP Rel 8				17.14				16.93				16.98				16.98			
3GPP Rel 8				16.28				16.07				16.19				16.19			
3GPP Rel 8				16.87				16.76				16.92				16.92			
3GPP Rel 8				14.97				15.01				14.99				14.99			
3GPP Rel 6				15.76				15.75				15.69				15.69			
3GPP Rel 6				15.58				15.71				15.59				15.59			
3GPP Rel 6				16.01				15.83				15.83				15.83			
3GPP Rel 6				17.46				17.38				17.27				17.27			
3GPP Rel 7				16.49				16.57				16.41				16.41			

Band		WCDMA 8_Ant.13				WCDMA 8_Ant.31			
Tx Channel		4132	4182	4233	Tune-up Limit (dBm)	4132	4182	4233	Tune-up Limit (dBm)
Rx Channel		4357	4407	4458		4357	4407	4458	
Frequency (MHz)		55.4	55.8	56.2		55.4	55.8	56.2	
3GPP Rel 99	AMR 12.2Kbps	23.92	23.91	23.72	25.00	24.02	24.12	24.00	25.00
3GPP Rel 99	RMC 12.2Kbps	23.94	23.97	23.85	25.00	24.12	24.15	24.11	25.00
3GPP Rel 6	HS-DSPA Sub1	22.39	22.40	22.22	24.00	23.21	23.10	23.22	24.00
3GPP Rel 6	HS-DSPA Sub1-2	22.19	22.08	21.90	23.00	22.75	22.68	22.80	23.00
3GPP Rel 6	HS-DSPA Sub1-3	21.72	21.70	21.52	23.00	22.48	22.45	22.58	23.00
3GPP Rel 6	HS-DSPA Sub1-4	21.58	21.61	21.42	23.00	22.40	22.45	22.33	23.00
3GPP Rel 6	DO-HS-DSPA Sub1-1	22.31	22.19	22.00	24.00	22.99	22.94	23.01	24.00
3GPP Rel 6	DO-HS-DSPA Sub1-2	22.07	21.79	21.26	23.00	22.54	22.61	22.74	23.00
3GPP Rel 6	DO-HS-DSPA Sub1-3	21.61	21.46	21.30	23.00	22.27	22.29	22.39	23.00
3GPP Rel 6	HS-DSPA Sub1-5	21.31	21.40	21.31	23.00	22.19	22.21	22.27	23.00
3GPP Rel 6	HS-DSPA Sub1-6	20.46	20.29	20.31	23.00	21.27	21.27	21.31	23.00
3GPP Rel 6	HS-DSPA Sub1-7	21.01	20.86	20.01	23.00	21.67	21.72	21.64	22.00
3GPP Rel 6	HS-DSPA Sub1-8	21.23	21.07	20.73	22.00	21.88	21.93	21.81	22.00
3GPP Rel 6	HS-DSPA Sub1-9	20.81	20.85	20.60	21.50	21.30	21.45	21.48	21.50
3GPP Rel 6	HS-DSPA Sub1-10	21.23	21.08	20.68	24.00	22.79	22.88	22.88	24.00
3GPP Rel 7	HSPA+ (100MHz) Sub1-1	21.98	21.93	21.96	23.00	23.04	22.94	22.91	23.50

Band 2_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Mid Ch./Freq	Power High Ch./Freq	Turn-up limt (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.50	18.50	18.50	20	0	
20	QPSK	1	88	18.50	18.50	18.50	20	0	
20	QPSK	1	99	18.50	18.50	18.50	20	0	
20	QPSK	50	0	18.50	18.50	18.50	20	0	
20	QPSK	50	24	18.50	18.50	18.50	20	0	
20	QPSK	50	50	18.50	18.50	18.50	20	0	
20	QPSK	100	0	18.50	18.50	18.50	20	0	
20	16QAM	1	0	18.50	18.50	18.50	20	0	
20	16QAM	1	48	18.50	18.50	18.50	20	0	
20	16QAM	1	99	18.50	18.50	18.50	20	0	
20	16QAM	50	0	18.50	18.50	18.50	20	0	
20	16QAM	50	24	18.50	18.50	18.50	20	0	
20	16QAM	50	50	18.50	18.50	18.50	20	0	
20	16QAM	100	0	18.50	18.50	18.50	20	0	
20	64QAM	1	0	18.50	18.50	18.50	20	0	
20	64QAM	1	48	18.50	18.50	18.50	20	0	
20	64QAM	1	99	18.50	18.50	18.50	20	0	
20	64QAM	50	0	18.50	18.50	18.50	20	0	
20	64QAM	50	24	18.50	18.50	18.50	20	0	
20	64QAM	50	50	18.50	18.50	18.50	20	0	
20	64QAM	100	0	18.50	18.50	18.50	20	0	
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.50	18.50	18.50	20	0	
15	QPSK	1	37	18.24	18.39	18.30	20	0	
15	QPSK	1	74	18.66	18.90	18.82	20	0	
15	QPSK	36	0	18.50	18.50	18.50	20	0	
15	QPSK	36	20	18.47	18.50	18.39	20	0	
15	QPSK	36	39	18.73	18.68	18.72	20	0	
15	QPSK	75	0	18.78	18.88	18.77	20	0	
15	16QAM	1	0	18.50	18.50	18.50	20	0	
15	16QAM	1	37	18.18	18.28	18.29	20	0	
15	16QAM	1	74	18.81	18.81	18.77	20	0	
15	16QAM	36	0	18.83	18.86	18.91	20	0	
15	16QAM	36	20	18.45	18.36	18.47	20	0	
15	16QAM	36	39	18.65	18.68	18.80	20	0	
15	16QAM	75	0	18.77	18.77	18.73	20	0	
15	64QAM	1	0	19.41	19.39	19.41	20	0	
15	64QAM	1	37	18.19	18.26	18.26	20	0	
15	64QAM	1	74	18.86	18.87	18.74	20	0	
15	64QAM	36	0	18.84	18.86	18.94	20	0	
15	64QAM	36	20	18.44	18.47	18.38	20	0	
15	64QAM	36	39	18.71	18.65	18.58	20	0	
15	64QAM	75	0	18.75	18.84	18.76	20	0	
Channel									
Frequency (MHz)									
10	QPSK	1	0	19.53	19.54	19.52	20	0	
10	QPSK	1	25	18.24	18.37	18.26	20	0	
10	QPSK	1	49	18.92	18.96	18.86	20	0	
10	QPSK	25	0	19.53	19.53	19.53	20	0	
10	QPSK	25	12	18.55	18.53	18.44	20	0	
10	QPSK	25	25	18.68	18.71	18.67	20	0	
10	QPSK	50	0	19.53	19.53	19.53	20	0	
10	QPSK	50	1	19.49	19.49	19.44	20	0	
10	16QAM	1	25	18.21	18.35	18.26	20	0	
10	16QAM	1	49	18.83	18.84	18.68	20	0	
10	16QAM	25	0	19.53	19.53	19.53	20	0	
10	16QAM	25	12	18.39	18.42	18.35	20	0	
10	16QAM	25	25	18.70	18.68	18.61	20	0	
10	16QAM	50	0	18.80	18.83	18.79	20	0	
10	16QAM	50	1	19.39	19.45	19.41	20	0	
10	64QAM	1	25	18.24	18.24	18.31	20	0	
10	64QAM	1	49	18.85	18.85	18.62	20	0	
10	64QAM	25	0	19.53	19.53	19.53	20	0	
10	64QAM	25	12	18.48	18.47	18.32	20	0	
10	64QAM	25	25	18.71	18.70	18.60	20	0	
10	64QAM	50	0	18.76	18.82	18.71	20	0	
Channel									
Frequency (MHz)									
5	QPSK	1	0	19.54	19.49	19.50	20	0	
5	QPSK	1	12	18.22	18.32	18.29	20	0	
5	QPSK	1	24	18.86	18.92	18.84	20	0	
5	QPSK	12	0	19.58	19.52	19.58	20	0	
5	QPSK	12	7	18.54	18.50	18.38	20	0	
5	QPSK	12	13	18.71	18.70	18.65	20	0	
5	QPSK	25	0	19.53	19.53	19.53	20	0	
5	16QAM	1	0	19.46	19.49	19.46	20	0	
5	16QAM	1	12	18.17	18.32	18.24	20	0	
5	16QAM	1	24	18.83	18.92	18.84	20	0	
5	16QAM	12	0	19.54	19.54	19.54	20	0	
5	16QAM	12	7	18.39	18.46	18.35	20	0	
5	16QAM	12	13	18.66	18.68	18.67	20	0	
5	16QAM	25	0	19.53	19.53	19.53	20	0	
5	64QAM	1	0	19.40	19.47	19.37	20	0	
5	64QAM	1	12	18.24	18.28	18.29	20	0	
5	64QAM	1	24	18.83	18.90	18.82	20	0	
5	64QAM	12	0	19.54	19.54	19.54	20	0	
5	64QAM	12	7	18.35	18.48	18.38	20	0	
5	64QAM	12	13	18.66	18.67	18.57	20	0	
5	64QAM	25	0	19.53	19.53	19.53	20	0	
Channel									
Frequency (MHz)									
3	QPSK	1	0	19.47	19.50	19.50	20	0	
3	QPSK	1	8	18.26	18.35	18.30	20	0	
3	QPSK	1	14	18.86	18.87	18.79	20	0	
3	QPSK	8	0	19.52	19.50	19.54	20	0	
3	QPSK	8	4	18.50	18.53	18.39	20	0	
3	QPSK	15	0	19.46	19.47	19.46	20	0	
3	16QAM	1	0	19.43	19.44	19.37	20	0	
3	16QAM	1	8	18.17	18.26	18.26	20	0	
3	16QAM	1	14	18.87	18.83	18.72	20	0	
3	16QAM	8	0	19.57	19.56	19.57	20	0	
3	16QAM	8	4	18.41	18.39	18.38	20	0	
3	16QAM	15	0	19.57	19.56	19.56	20	0	
3	16QAM	15	0	19.45	19.47	19.35	20	0	
3	64QAM	1	0	19.45	19.45	19.35	20	0	
3	64QAM	1	8	18.22	18.25	18.27	20	0	
3	64QAM	1	14	18.86	18.85	18.82	20	0	
3	64QAM	8	0	19.55	19.57	19.53	20	0	
3	64QAM	8	4	18.44	18.51	18.33	20	0	
3	64QAM	15	0	19.57	19.56	19.56	20	0	
3	64QAM	15	0	19.76	19.76	19.80	20	0	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	19.54	19.55	19.43	20	0	
1.4	QPSK	1	3	18.26	18.37	18.24	20	0	
1.4	QPSK	1	5	19.50	19.50	19.53	20	0	
1.4	QPSK	3	0	19.52	19.51	19.36	20	0	
1.4	QPSK	3	1	18.25	18.27	18.16	20	0	
1.4	QPSK	3	3	18.83	18.86	18.73	20	0	
1.4	QPSK	6	0	19.49	19.48	19.37	20	0	
1.4	16QAM	1	3	18.15	18.30	18.25	20	0	
1.4	16QAM	1	5	19.55	19.51	19.76	20	0	
1.4	16QAM	3	0	19.40	19.47	19.31	20	0	
1.4	16QAM	3	1	18.13	18.26	18.18	20	0	
1.4	16QAM	3	3	18.76	18.78	18.68	20	0	
1.4	16QAM	6	0	19.79	19.84	19.74	20	0	
1.4	64QAM	1	0	19.39	19.38	19.36	20	0	
1.4	64QAM	1	3	18.20	18.27	18.25	20	0	
1.4	64QAM	1	5	19.84	19.85	19.81	20	0	
1.4	64QAM	3	0	19.33	19.29	19.27	20	0	
1.4	64QAM	3	1	18.16	18.21	18.21	20	0	
1.4	64QAM	3	3	18.78	18.78	18.74	20	0	
1.4	64QAM	6	0	19.79	19.84	19.74	20	0	

Band 2_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Mid Ch./Freq	Power High Ch./Freq	Turn-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.20	21.25	21.21			
20	QPSK	1	48	21.17	21.22	21.18	22	0	
20	QPSK	1	99	21.15	21.23	21.18			
20	QPSK	50	0	21.10	21.09	21.03			
20	QPSK	50	24	20.89	20.98	20.91	22	0	
20	QPSK	50	50	20.88	21.02	21.01			
20	QPSK	100	0	20.82	20.99	20.93			
20	16QAM	1	0	21.12	21.15	21.17			
20	16QAM	1	48	21.10	21.12	21.11	22	0	
20	16QAM	1	99	21.13	21.16	21.14			
20	16QAM	50	0	20.91	21.05	20.98			
20	16QAM	50	24	20.87	20.88	20.82	22	0	
20	16QAM	50	50	20.87	20.98	21.00			
20	16QAM	100	0	20.84	20.96	20.94			
20	64QAM	1	0	21.12	21.17	21.15			
20	64QAM	1	48	21.09	21.18	21.10	22		
20	64QAM	1	99	21.07	21.15	21.14			
20	64QAM	50	0	20.32	20.20	20.25			
20	64QAM	50	24	20.24	20.20	20.11	21.5	0.5	
20	64QAM	50	50	20.32	20.30	20.20			
20	64QAM	100	0	20.20	20.18	20.14			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.975	18.990	18.925	Turn-up limit (dBm)	MPE (dB)	
15	QPSK	1	48	18.17	18.19	18.13			
15	QPSK	1	99	21.13	21.17	21.10	22	0	
15	QPSK	1	74	21.06	21.14	21.15			
15	QPSK	36	0	20.91	21.02	20.95			
15	QPSK	36	24	20.84	20.89	20.89	22	0	
15	QPSK	36	48	20.82	20.90	20.86			
15	QPSK	75	0	20.92	20.87	20.87			
15	16QAM	1	0	21.08	21.06	21.10			
15	16QAM	1	48	21.01	21.11	21.08	22	0	
15	16QAM	1	74	21.05	21.19	21.08			
15	16QAM	36	0	20.83	20.96	20.87			
15	16QAM	36	24	20.78	20.85	20.81	22	0	
15	16QAM	36	48	20.81	20.91	20.87			
15	16QAM	75	0	20.91	20.97	20.95			
15	16QAM	75	0	20.83	20.84	20.84			
15	64QAM	1	0	21.06	21.10	21.08			
15	64QAM	1	48	21.09	21.12	21.07	22	0	
15	64QAM	1	74	21.04	21.17	21.07			
15	64QAM	36	0	20.31	20.15	20.25			
15	64QAM	36	24	20.38	20.18	20.20	21.5	0.5	
15	64QAM	36	48	20.35	20.19	20.21			
15	64QAM	75	0	20.29	20.23	20.12			
15	64QAM	75	0	20.29	20.16	20.08			
Channel									
Frequency (MHz)									
10	QPSK	1	25	21.05	21.22	21.19	22	0	
10	QPSK	1	48	21.08	21.14	21.14			
10	QPSK	1	99	20.95	21.03	21.03			
10	QPSK	25	12	20.86	20.91	20.81	22		
10	QPSK	25	25	20.88	20.92	20.98			
10	QPSK	50	0	20.85	20.88	20.83			
10	16QAM	1	25	21.09	21.06	21.05			
10	16QAM	1	25	21.01	21.05	21.08			
10	16QAM	1	48	21.03	21.16	21.05			
10	16QAM	25	12	20.83	21.15	21.07	22	0	
10	16QAM	25	25	20.77	20.80	20.77			
10	16QAM	25	25	20.91	20.89	20.99			
10	16QAM	50	0	20.83	20.90	20.81			
10	16QAM	50	12	21.03	21.12	21.08			
10	64QAM	1	25	20.96	21.11	21.02	22	0	
10	64QAM	1	48	21.01	21.09	21.05			
10	64QAM	25	12	20.31	20.19	20.22			
10	64QAM	25	25	20.23	20.19	20.10	21.5	0.5	
10	64QAM	25	25	20.25	20.23	20.13			
10	64QAM	50	0	20.14	20.14	20.10			
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.19	21.15	21.15	Turn-up limit (dBm)	MPE (dB)	
5	QPSK	1	12	21.12	21.16	21.14	22	0	
5	QPSK	1	24	21.06	21.12	21.12			
5	QPSK	12	0	20.98	21.03	20.95			
5	QPSK	12	7	20.85	20.93	20.84	22	0	
5	QPSK	12	14	20.86	20.93	20.86			
5	QPSK	25	0	20.86	20.93	20.91			
5	16QAM	1	0	21.08	21.05	21.11			
5	16QAM	1	12	21.03	21.07	21.03			
5	16QAM	1	24	21.05	21.11	21.08	22	0	
5	16QAM	12	0	20.81	20.86	20.84			
5	16QAM	12	7	20.86	20.87	20.80			
5	16QAM	12	14	20.88	20.94	20.88	22	0	
5	16QAM	25	0	20.83	20.85	20.81			
5	64QAM	1	0	21.11	21.11	21.08			
5	64QAM	1	12	21.05	21.13	21.04	22	0	
5	64QAM	1	24	21.05	21.12	21.08			
5	64QAM	12	0	20.28	20.14	20.21			
5	64QAM	12	7	20.14	20.11	20.06	21.5	0.5	
5	64QAM	12	14	20.25	20.20	20.18			
5	64QAM	25	0	20.32	20.14	20.06			
Channel									
Frequency (MHz)									
3	QPSK	1	0	18.915	18.990	18.915	Turn-up limit (dBm)	MPE (dB)	
3	QPSK	1	8	18.12	18.16	18.20	22	0	
3	QPSK	1	16	21.06	21.21	21.17			
3	QPSK	8	0	20.95	21.05	21.02			
3	QPSK	8	8	20.87	20.97	20.97	22	0	
3	QPSK	8	7	20.95	21.01	21.01			
3	QPSK	15	0	20.84	20.96	20.83			
3	16QAM	1	0	21.09	21.14	21.10			
3	16QAM	1	8	21.01	21.06	21.06	22	0	
3	16QAM	1	14	21.12	21.20	21.04			
3	16QAM	8	0	20.83	20.97	20.88			
3	16QAM	8	8	20.78	20.86	20.82	22	0	
3	16QAM	8	7	20.94	20.93	20.90			
3	16QAM	15	0	20.82	20.89	20.81			
3	64QAM	1	0	21.11	21.11	21.03			
3	64QAM	1	8	21.04	21.08	21.01	22	0	
3	64QAM	1	14	21.05	21.08	21.10			
3	64QAM	8	0	20.30	20.16	20.24			
3	64QAM	8	8	20.21	20.19	20.18	21.5	0.5	
3	64QAM	8	7	20.27	20.22	20.16			
3	64QAM	15	0	20.31	20.29	20.17			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	18.917	18.990	18.913	Turn-up limit (dBm)	MPE (dB)	
1.4	QPSK	1	3	21.09	21.24	21.15			
1.4	QPSK	1	6	21.12	21.17	21.10	22	0	
1.4	QPSK	1	9	20.92	21.04	21.02			
1.4	QPSK	3	1	20.85	20.84	20.84			
1.4	QPSK	3	3	20.95	20.93	20.95	22	0	
1.4	QPSK	3	6	20.85	20.84	20.86			
1.4	16QAM	1	0	21.06	21.14	21.15			
1.4	16QAM	1	3	21.02	21.07	21.04			
1.4	16QAM	1	6	21.08	21.11	21.01	22	0	
1.4	16QAM	3	1	20.84	20.96	20.86			
1.4	16QAM	3	1	20.86	20.85	20.73			
1.4	16QAM	3	3	20.92	20.97	20.98	22	0	
1.4	16QAM	3	6	20.81	20.89	20.87			
1.4	64QAM	1	0	21.06	21.16	21.10			
1.4	64QAM	1	3	21.01	21.14	21.04			
1.4	64QAM	1	6	21.09	21.11	21.04	22	0	
1.4	64QAM	3	1	21.12	21.12	21.01			
1.4	64QAM	3	1	20.99	21.08	21.02			
1.4	64QAM	3	3	20.96	21.01	20.94	21.5		

Band 5_Ant 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq [dBm]	Power Middle Ch / Freq [dBm]	Power High Ch / Freq [dBm]	Turn-up limit (dBm)	MPR (dB)	
Channel									
				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.90	23.92	23.78	25	0	
10	QPSK	1	25	23.93	23.93	23.77			
10	QPSK	1	49	23.88	23.74	23.75	24	1	
10	QPSK	25	0	22.77	22.80	22.75			
10	QPSK	25	12	22.73	22.78	22.84			
10	QPSK	25	25	22.70	22.73	22.89			
10	QPSK	50	0	22.74	22.78	22.70	24	1	
10	16QAM	1	0	22.63	22.69	22.80			
10	16QAM	1	25	22.74	22.70	22.70	24	1	
10	16QAM	1	49	22.66	22.75	22.85			
10	16QAM	25	0	21.77	21.70	21.85	23	2	
10	16QAM	25	12	21.84	21.77	21.89			
10	16QAM	25	25	21.83	21.76	21.93			
10	16QAM	50	0	21.76	21.79	21.77			
10	64QAM	1	0	21.83	21.82	21.80	23	2	
10	64QAM	1	25	21.80	21.80	21.80			
10	64QAM	1	49	21.73	21.71	21.73	22	3	
10	64QAM	25	0	20.80	20.90	20.83			
10	64QAM	25	12	20.86	20.89	20.88			
10	64QAM	25	25	20.79	20.80	20.80			
10	64QAM	50	0	20.69	20.84	20.69			
Channel				20450	20525	20600	Turn-up limit (dBm) MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.84	23.88	23.70	25	0	
5	QPSK	1	12	23.68	23.77	23.67			
5	QPSK	1	24	23.83	23.70	23.68	24	1	
5	QPSK	12	0	22.72	22.77	22.74			
5	QPSK	12	7	22.67	22.75	22.82			
5	QPSK	12	13	22.61	22.68	22.85			
5	QPSK	25	0	22.64	22.74	22.68	24	1	
5	16QAM	1	0	22.54	22.60	22.56			
5	16QAM	1	12	22.67	22.72	22.68	24	1	
5	16QAM	1	24	22.61	22.76	22.63			
5	16QAM	12	0	21.70	21.85	21.82	23	2	
5	16QAM	12	7	21.81	21.72	21.75			
5	16QAM	12	13	21.80	21.72	21.84			
5	16QAM	25	0	21.73	21.71	21.71			
5	64QAM	1	0	21.78	21.82	21.82	23	2	
5	64QAM	1	12	21.64	21.66	21.78			
5	64QAM	1	24	21.68	21.63	21.64	22	3	
5	64QAM	12	0	20.71	20.86	20.81			
5	64QAM	12	7	20.62	20.80	20.85			
5	64QAM	12	13	20.70	20.75	20.77			
5	64QAM	25	0	20.68	20.81	20.61			
Channel				20415	20525	20635	Turn-up limit (dBm) MPR (dB)		
Frequency (MHz)				826.5	836.5	847.5			
3	QPSK	1	0	23.87	23.86	23.73	25	0	
3	QPSK	1	8	23.71	23.82	23.76			
3	QPSK	1	14	23.80	23.72	23.69	24	1	
3	QPSK	8	0	22.73	22.73	22.86			
3	QPSK	8	4	22.69	22.70	22.96			
3	QPSK	8	7	22.60	22.67	22.86			
3	QPSK	15	0	22.66	22.69	22.81	24	1	
3	16QAM	1	0	22.54	22.68	22.54			
3	16QAM	1	8	22.73	22.70	22.67	23	2	
3	16QAM	1	14	22.65	22.74	22.63			
3	16QAM	8	0	21.75	21.67	21.56			
3	16QAM	8	4	21.78	21.71	21.65			
3	16QAM	8	7	21.73	21.74	21.84	23	2	
3	16QAM	15	0	21.71	21.70	21.74			
3	64QAM	1	0	21.77	21.69	21.51			
3	64QAM	1	8	21.58	21.69	21.84			
3	64QAM	1	14	21.66	21.66	21.70	22	3	
3	64QAM	8	0	20.78	20.85	20.77			
3	64QAM	8	4	20.59	20.80	20.63			
3	64QAM	8	7	20.71	20.80	20.74			
3	64QAM	15	0	20.63	20.77	20.63			
Channel				20407	20525	20643	Turn-up limit (dBm) MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.89	23.86	23.77	25	0	
1.4	QPSK	1	3	23.67	23.75	23.76			
1.4	QPSK	1	5	23.85	23.67	23.89	24	1	
1.4	QPSK	3	0	23.82	23.78	23.72			
1.4	QPSK	3	1	23.65	23.66	23.73			
1.4	QPSK	3	3	23.82	23.69	23.84			
1.4	16QAM	1	0	22.59	22.68	22.85	24	1	
1.4	16QAM	1	3	22.66	22.69	22.83			
1.4	16QAM	1	5	22.63	22.66	22.86	23	2	
1.4	16QAM	3	0	22.56	22.65	22.82			
1.4	16QAM	3	1	22.59	22.66	22.99			
1.4	16QAM	3	3	22.62	22.67	22.46			
1.4	16QAM	6	0	21.70	21.75	21.85	23	2	
1.4	64QAM	1	0	21.77	21.55	21.54			
1.4	64QAM	1	3	21.58	21.61	21.80	23	2	
1.4	64QAM	1	5	21.67	21.60	21.89			
1.4	64QAM	3	0	21.75	21.48	21.50			
1.4	64QAM	3	1	21.53	21.54	21.70			
1.4	64QAM	3	3	21.64	21.58	21.63	22	3	
1.4	64QAM	6	0	20.63	20.75	20.63			

Band 5_Ant 31									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.88	23.90	23.82	25	0	
10	QPSK	1	25	23.77	23.81	23.72			
10	QPSK	1	49	23.85	23.67	23.81	24	1	
10	QPSK	25	0	22.73	22.87	22.83			
10	QPSK	25	12	22.74	22.72	22.89			
10	QPSK	25	25	22.77	22.70	22.77			
10	QPSK	50	0	22.66	22.70	22.64	24	1	
10	16QAM	1	0	22.65	22.60	22.69			
10	16QAM	1	25	22.80	22.76	22.81	24	1	
10	16QAM	1	49	22.84	22.80	22.87			
10	16QAM	25	0	21.81	21.86	21.71	23	2	
10	16QAM	25	12	21.86	21.88	21.81			
10	16QAM	25	25	21.76	21.91	21.93			
10	16QAM	50	0	21.79	21.77	21.66			
10	64QAM	1	0	21.64	21.58	21.56	23	2	
10	64QAM	1	25	21.67	21.87	21.86			
10	64QAM	1	49	21.71	21.62	21.63	22	3	
10	64QAM	25	0	20.88	20.91	20.95			
10	64QAM	25	12	20.96	20.84	20.92			
10	64QAM	25	25	20.80	20.84	20.82			
10	64QAM	50	0	20.75	20.79	20.82			
Channel									
				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.79	23.84	23.72	25	0	
5	QPSK	1	12	23.74	23.75	23.70			
5	QPSK	1	24	23.79	23.65	23.71	24	1	
5	QPSK	12	0	22.70	22.80	22.83			
5	QPSK	12	7	22.72	22.82	22.82			
5	QPSK	12	13	22.71	22.80	22.71			
5	QPSK	25	0	22.68	22.73	22.69	24	1	
5	16QAM	1	0	22.62	22.68	22.66			
5	16QAM	1	12	22.76	22.70	22.82	24	1	
5	16QAM	1	24	22.79	22.76	22.68			
5	16QAM	12	0	21.80	21.84	21.68	23	2	
5	16QAM	12	7	21.89	21.66	21.53			
5	16QAM	12	13	21.74	21.85	21.85	22	3	
5	16QAM	25	0	21.69	21.81	21.80			
5	64QAM	1	0	21.61	21.56	21.53			
5	64QAM	1	12	21.66	21.85	21.84			
5	64QAM	1	24	21.63	21.80	21.58	23	2	
5	64QAM	12	0	20.84	20.87	20.86			
5	64QAM	12	7	20.79	20.81	20.82	22	3	
5	64QAM	12	13	20.78	20.74	20.78			
5	64QAM	25	0	20.73	20.76	20.76			
Channel									
				825.5	836.5	847.5	Turn-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.84	23.87	23.72	25	0	
3	QPSK	1	8	23.82	23.80	23.62			
3	QPSK	1	16	23.83	23.63	23.74	24	1	
3	QPSK	8	0	22.75	22.93	22.75			
3	QPSK	8	4	22.71	22.71	22.60			
3	QPSK	8	12	22.71	22.61	22.69			
3	QPSK	15	0	22.60	22.65	22.66	24	1	
3	16QAM	1	0	22.90	22.83	22.95			
3	16QAM	1	8	22.78	22.68	22.82	24	1	
3	16QAM	1	16	22.82	22.73	22.73			
3	16QAM	8	0	21.71	21.89	21.70	23	2	
3	16QAM	8	4	21.65	21.63	21.54			
3	16QAM	8	12	21.68	21.85	21.80	23	2	
3	16QAM	15	0	21.69	21.68	21.63			
3	64QAM	1	0	21.61	21.57	21.57	23	2	
3	64QAM	1	8	21.61	21.85	21.81			
3	64QAM	1	16	21.65	21.81	21.61	22	3	
3	64QAM	8	0	20.83	20.82	20.93			
3	64QAM	8	4	20.85	20.83	20.82	22	3	
3	64QAM	15	0	20.78	20.81	20.77			
3	64QAM	15	8	20.73	20.74	20.78			
Channel									
				20407	20525	20643	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.87	23.81	23.74	25	0	
1.4	QPSK	1	25	23.86	23.73	23.68			
1.4	QPSK	1	50	23.81	23.57	23.77	24	1	
1.4	QPSK	3	0	23.81	23.76	23.70			
1.4	QPSK	3	1	23.62	23.70	23.55			
1.4	QPSK	3	2	23.72	23.64	23.78			
1.4	QPSK	6	0	22.95	22.61	22.91	24	1	
1.4	16QAM	1	0	22.90	22.88	22.92			
1.4	16QAM	1	3	22.79	22.71	22.83	24	1	
1.4	16QAM	1	50	22.81	22.71	22.80			
1.4	16QAM	3	0	22.84	22.84	22.86	24	1	
1.4	16QAM	3	1	22.70	22.65	22.74			
1.4	16QAM	3	2	22.71	22.63	22.78	23	2	
1.4	16QAM	6	0	21.69	21.73	21.61			
1.4	64QAM	1	0	21.58	21.54	21.55	23	2	
1.4	64QAM	1	3	21.58	21.82	21.85			
1.4	64QAM	1	50	21.69	21.61	21.65	23	2	
1.4	64QAM	3	0	21.50	21.46	21.51			
1.4	64QAM	3	1	21.57	21.77	21.76	22	3	
1.4	64QAM	3	2	21.68	21.54	21.51			
1.4	64QAM	6	0	20.67	20.67	20.68			

Band 13_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl (dBm)	Power Mod Ch / Freq	Power Hgn Ch / Freq	Turn-up time (min)	MRR (dB)	
Channel									
Channel				23520	23530				
Frequency (MHz)				782					
10	QPSK	1	0	22.38	22.38				
10	QPSK	1	25	22.44	22.44		24	0	
10	QPSK	1	50	22.48	22.48				
10	QPSK	25	0	22.00	22.00				
10	QPSK	25	12	21.89	21.89		23	1	
10	QPSK	50	0	21.75	21.75				
10	QPSK	50	25	21.93	21.93				
10	16QAM	1	0	22.46	22.46				
10	16QAM	1	25	22.32	22.32		23	1	
10	16QAM	1	50	22.20	22.20				
10	16QAM	25	0	21.10	21.10				
10	16QAM	25	12	21.00	21.00				
10	16QAM	50	0	21.22	21.22		22	2	
10	16QAM	50	25	20.98	20.98				
10	64QAM	1	0	21.16	21.16				
10	64QAM	1	25	21.04	21.04		22	2	
10	64QAM	1	50	20.99	20.99				
10	64QAM	25	0	20.10	20.10				
10	64QAM	25	12	20.07	20.07		21	3	
10	64QAM	50	0	20.31	20.31				
10	64QAM	50	25	20.11	20.11				
Channel				23505	23520	23535	Turn-up time (min)	MRR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	22.85	22.86	22.82			
5	QPSK	1	12	22.76	22.76	22.76	24	0	
5	QPSK	1	24	22.75	22.75	22.82			
5	QPSK	12	0	21.98	21.94	21.94			
5	QPSK	12	7	21.95	21.88	21.88	23	1	
5	QPSK	12	14	21.84	21.81	21.83	21	61	
5	QPSK	24	0	21.94	21.89	21.97			
5	16QAM	1	0	22.36	22.44	22.39			
5	16QAM	1	12	22.28	22.27	22.26	23	1	
5	16QAM	1	24	22.60	22.66	22.68			
5	16QAM	12	0	21.03	21.07	21.09			
5	16QAM	12	7	20.98	20.86	20.92	22	2	
5	16QAM	12	14	21.19	21.18	21.18			
5	16QAM	24	0	20.93	20.93	20.88			
5	64QAM	1	0	21.11	21.06	21.09			
5	64QAM	1	12	20.97	20.96	20.96	22	2	
5	64QAM	1	24	20.88	20.84	20.93			
5	64QAM	12	0	20.06	20.05	20.03			
5	64QAM	12	7	20.06	20.02	19.99	21	3	
5	64QAM	12	14	20.22	20.22	20.26			
5	64QAM	24	0	20.10	20.10	20.05			

Band 13_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lch / Freq	Power Hch / Freq	Power Lch / Freq	Power Hch / Freq	Tune-up time (min)	MPE (dB)
Channel				23250		23250			
Frequency (MHz)				782					
10	QPSK	1	0	22.88	22.88			24	0
10	QPSK	1	25	22.71	22.71				
10	QPSK	1	25	22.60	22.60				
10	QPSK	25	0	21.90	21.90			23	1
10	QPSK	25	12	21.88	21.88				
10	QPSK	25	12	21.63	21.63				
10	QPSK	50	0	21.81	21.81			22	2
10	16QAM	1	0	22.53	22.53				
10	16QAM	1	25	21.92	21.92				
10	16QAM	1	25	21.92	21.92			22	2
10	16QAM	25	0	21.09	21.09				
10	16QAM	25	0	20.68	20.68				
10	16QAM	25	12	21.10	21.10			21	3
10	16QAM	50	0	20.78	20.78				
10	16QAM	50	0	20.01	20.01				
10	64QAM	1	0	20.73	20.73			22	2
10	64QAM	1	25	20.08	20.08				
10	64QAM	25	0	19.58	19.58				
10	64QAM	25	12	19.78	19.78			21	3
10	64QAM	50	0	20.28	20.28				
10	64QAM	50	0	19.48	19.48				
Channel				23205	23230	23230	23255	Tune-up time (min)	MPE (dB)
Frequency (MHz)				776.5	782	784.5			
5	QPSK	1	0	22.83	22.88	22.78		24	0
5	QPSK	1	12	22.84	22.83	22.89			
5	QPSK	1	24	22.80	22.72	22.87			
5	QPSK	12	0	21.84	21.87	21.87		23	1
5	QPSK	12	7	21.52	21.78	21.85			
5	QPSK	12	7	21.58	21.60	21.55			
5	QPSK	25	0	21.71	21.77	21.72		22	2
5	16QAM	1	0	22.45	22.47	22.46			
5	16QAM	1	12	22.88	21.83	21.87			
5	16QAM	1	24	22.50	22.45	22.48		22	2
5	16QAM	12	0	21.05	21.03	21.01			
5	16QAM	12	7	20.63	20.62	20.62			
5	16QAM	12	14	21.15	21.18	21.18		21	3
5	16QAM	25	0	20.76	20.74	20.76			
5	64QAM	1	0	20.99	20.99	20.95			
5	64QAM	1	12	20.66	20.66	20.64		22	2
5	64QAM	1	24	21.06	21.00	21.01			
5	64QAM	12	0	19.55	19.54	19.54			
5	64QAM	12	7	19.75	19.68	19.71		21	3
5	64QAM	12	14	20.20	20.19	20.19			
5	64QAM	25	0	19.89	19.84	19.88			

Band 26_Ant 13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Freq (MHz)	Power Mod Ch / Freq	Power Freq (MHz)	Power Mod Ch / Freq	Turn-on time (ms)	MPR (dB)	
Channel										
Frequency (MHz)				26715	26865	26965				
15	QPSK	1	0	23.38	23.45	23.42				
15	QPSK	37	23	23.38	23.45	23.39		24.5	0	
15	QPSK	36	1	23.38	23.38	23.39				
15	QPSK	36	0	22.45	22.50	22.43				
15	QPSK	36	20	22.43	22.44	22.42		22.5	1	
15	QPSK	37	23	22.43	22.47	22.45				
15	QPSK	36	0	22.36	22.40	22.30				
15	16QAM	1	0	22.36	22.31	22.20				
15	16QAM	36	0	22.36	22.37	22.26		23.5	1	
15	16QAM	1	74	22.40	22.37	22.36				
15	16QAM	36	0	21.34	21.28	21.31				
15	16QAM	36	20	21.40	21.44	21.20		22.5	2	
15	16QAM	36	20	21.43	21.48	21.21				
15	16QAM	36	0	21.34	21.30	21.32				
15	64QAM	1	0	21.50	21.45	21.46				
15	64QAM	1	37	21.44	21.49	21.42		23.5	2	
15	64QAM	1	74	21.39	21.44	21.43				
15	64QAM	36	0	19.78	19.88	19.83				
15	64QAM	36	20	19.74	19.81	19.81		21.5	3	
15	64QAM	36	0	19.88	19.93	19.73				
15	64QAM	36	0	19.81	19.78	19.78				
Channel										
Frequency (MHz)				26710	26865	26960		Turn-on time (ms)	MPR (dB)	
10	QPSK	1	0	23.39	23.44	23.37				
10	QPSK	1	26	23.38	23.43	23.36		24.5	0	
10	QPSK	1	48	23.30	23.30	23.34				
10	QPSK	1	0	22.40	22.44	22.39				
10	QPSK	25	25	22.40	22.39	22.41		23.5	1	
10	QPSK	25	25	22.28	22.30	22.30				
10	QPSK	50	0	22.29	22.31	22.26				
10	16QAM	1	0	22.37	22.25	22.52		23.5	1	
10	16QAM	1	48	22.39	22.31	22.53				
10	16QAM	25	0	21.27	21.23	21.25				
10	16QAM	25	25	21.37	21.40	21.15		22.5	2	
10	16QAM	50	0	21.27	21.26	21.29				
10	64QAM	1	0	21.45	21.38	21.42		22.5	2	
10	64QAM	1	48	21.36	21.41	21.21				
10	64QAM	1	48	21.36	21.38	21.29				
10	64QAM	25	0	19.72	19.80	19.87				
10	64QAM	25	25	19.76	19.80	19.67		21.5	3	
10	64QAM	50	0	19.80	19.74	19.72				
Channel										
Frequency (MHz)				26715	26865	27015		Turn-on time (ms)	MPR (dB)	
5	QPSK	1	0	23.34	23.41	23.37				
5	QPSK	1	12	23.37	23.29	23.32		24.5	0	
5	QPSK	1	24	23.31	23.28	23.30				
5	QPSK	12	12	22.42	22.34	22.32		23.5	1	
5	QPSK	12	13	22.24	22.40	22.38				
5	QPSK	25	0	22.27	22.30	22.27				
5	16QAM	1	0	22.32	22.23	22.33		23.5	1	
5	16QAM	1	12	22.30	22.43	22.61				
5	16QAM	1	24	22.32	22.33	22.57				
5	16QAM	12	0	21.26	21.21	21.23		22.5	2	
5	16QAM	12	7	21.32	21.35	21.13				
5	16QAM	12	13	21.35	21.48	21.11				
5	16QAM	25	0	21.30	21.28	21.31				
5	64QAM	1	0	21.48	21.38	21.43		22.5	2	
5	64QAM	1	12	21.38	21.42	21.40				
5	64QAM	1	24	21.30	21.39	21.30				
5	64QAM	12	0	19.75	19.85	19.74		21.5	3	
5	64QAM	12	7	19.64	19.79	19.78				
5	64QAM	12	13	19.68	19.90	19.68				
5	64QAM	25	0	19.71	19.74	19.74				
Channel										
Frequency (MHz)				815.5 <th>831.5<th>847.5<th></th><th>Turn-on time (ms)</th><th>MPR (dB)</th><th></th></th></th>	831.5 <th>847.5<th></th><th>Turn-on time (ms)</th><th>MPR (dB)</th><th></th></th>	847.5 <th></th> <th>Turn-on time (ms)</th> <th>MPR (dB)</th> <th></th>		Turn-on time (ms)	MPR (dB)	
3	QPSK	1	0	23.30	23.37	23.35				
3	QPSK	1	8	23.26	23.27	23.37		24.5	0	
3	QPSK	1	14	23.31	23.36	23.38				
3	QPSK	8	0	23.36	23.35	23.36		23.5	1	
3	QPSK	8	4	23.33	23.38	23.32				
3	QPSK	8	7	22.25	22.44	22.36				
3	16QAM	1	0	22.35	22.21	22.57		23.5	1	
3	16QAM	1	0	22.35	22.21	22.57				
3	16QAM	1	8	22.29	22.51	22.62		23.5	1	
3	16QAM	1	14	22.34	22.46	22.59				
3	16QAM	8	0	21.29	21.45	21.27		22.5	2	
3	16QAM	8	4	21.37	21.34	21.47				
3	16QAM	8	7	21.34	21.44	21.18				
3	64QAM	1	0	21.27	21.21	21.23		22.5	2	
3	64QAM	1	0	21.42	21.40	21.41				
3	64QAM	1	8	21.35	21.47	21.35		22.5	2	
3	64QAM	1	14	21.38	21.38	21.25				
3	64QAM	8	0	19.69	19.84	19.77				
3	64QAM	8	4	19.68	19.72	19.71		21.5	3	
3	64QAM	8	7	19.66	19.92	19.63				
3	64QAM	17	0	19.07	19.09	19.09				
Channel										
Frequency (MHz)				814.7 <th>831.5<th>848.3<th></th><th>Turn-on time (ms)</th><th>MPR (dB)</th><th></th></th></th>	831.5 <th>848.3<th></th><th>Turn-on time (ms)</th><th>MPR (dB)</th><th></th></th>	848.3 <th></th> <th>Turn-on time (ms)</th> <th>MPR (dB)</th> <th></th>		Turn-on time (ms)	MPR (dB)	
1.4	QPSK	1	0	23.30	23.38	23.34				
1.4	QPSK	1	0	23.32	23.35	23.33				
1.4	QPSK	1	23	23.26	23.34	23.31		24.5	0	
1.4	QPSK	3	0	23.23	23.36	23.26				
1.4	QPSK	3	1	23.27	23.32	23.25				
1.4	QPSK	3	0	22.35	22.31	22.37		23.5	1	
1.4	QPSK	6	0	22.29	22.31	22.23				
1.4	16QAM	1	0	22.30	22.22	22.25				
1.4	16QAM	1	3	22.29	22.49	22.60		23.5	1	
1.4	16QAM	1	23	22.34	22.35	22.33				
1.4	16QAM	3	0	22.27	22.28	22.54				
1.4	16QAM	3	1	22.27	22.44	22.51				
1.4	16QAM	3	0	22.32	22.34	22.46				
1.4	16QAM	6	0	21.33	21.28	21.27		22.5	2	
1.4	64QAM	1	0	21.46	21.37	21.43				
1.4	64QAM	1	3	21.39	21.43	21.35				
1.4	64QAM	1	23	21.29	21.42	21.27		22.5	2	
1.4	64QAM	3	0	21.38	21.33	21.39				
1.4	64QAM	3	1	21.33	21.39	21.33				
1.4	64QAM	3	0	21.24	21.31	21.24				
1.4	64QAM	6	0	19.77	19.85	19.69		21.5	3	

Band 26_Ant 31										
BW (MHz)	Modulation	RB Size	RB Offset	Power Lp Ch / Freq	Power Med Ch / Freq	Power Hp Ch / Freq	Turn-on time (ms)	MPR (dB)		
Channel				26765	26865	26965				
Frequency (MHz)				819	831.5	841.5				
15	QPSK	1	0	23.20	23.30	23.26				
15	QPSK	1	77	23.21	23.31	23.26	24.5	0		
15	QPSK	1	74	23.12	23.21	23.22				
15	QPSK	36	0	22.32	22.30	22.33				
15	QPSK	36	20	22.26	22.13	22.19	23.5	1		
15	QPSK	36	20	22.30	22.31	22.29				
15	QPSK	75	0	22.25	22.30	22.29				
15	16QAM	1	0	22.20	22.28	22.24				
15	16QAM	1	77	22.21	22.32	22.26	24.5	0		
15	16QAM	1	74	22.26	22.31	22.27				
15	16QAM	36	0	21.21	21.36	21.29				
15	16QAM	36	20	21.19	21.40	21.30	22.5	2		
15	16QAM	36	20	21.50	21.53	21.51				
15	16QAM	75	0	21.28	21.29	21.30				
15	64QAM	1	0	21.68	21.69	21.76				
15	64QAM	1	77	21.62	21.66	21.60	22.5	2		
15	64QAM	1	74	21.77	21.57	21.63				
15	64QAM	36	0	19.87	19.72	19.79				
15	64QAM	36	20	19.80	19.60	19.74	21.5	3		
15	64QAM	36	20	19.81	19.67	19.74				
15	64QAM	75	0	19.86	19.70	19.84				
Channel				26870	26965	26960	Turn-on time (ms)	MPR (dB)		
Frequency (MHz)				819	831.5	841				
15	QPSK	1	0	23.35	23.37	23.33				
15	QPSK	1	25	23.30	23.23	23.20	24.5	0		
15	QPSK	1	49	23.11	23.20	23.16				
15	QPSK	25	0	22.27	22.33	22.29				
15	QPSK	25	0	22.17	22.34	22.18	23.5	1		
15	QPSK	25	25	22.22	22.26	22.20				
15	QPSK	50	0	22.23	22.21	22.26				
15	16QAM	1	0	22.41	22.54	22.51				
15	16QAM	1	25	22.28	22.37	22.34	23.5	1		
15	16QAM	1	49	22.43	22.37	22.37				
15	16QAM	25	0	21.18	21.34	21.24				
15	16QAM	25	0	21.17	21.30	21.21				
15	16QAM	25	25	21.45	21.43	21.43	22.5	2		
15	16QAM	50	0	21.31	21.25	21.32				
15	64QAM	1	0	21.50	21.66	21.72	22.5	2		
15	64QAM	1	25	21.52	21.58	21.51				
15	64QAM	1	49	21.54	21.54	21.54				
15	64QAM	25	0	19.83	19.66	19.73				
15	64QAM	25	0	19.72	19.56	19.65				
15	64QAM	25	25	19.67	19.60	19.70	21.5	3		
15	64QAM	50	0	19.77	19.62	19.61				
Channel				26915	26965	27015	Turn-on time (ms)	MPR (dB)		
Frequency (MHz)				831.5	841	847.5				
5	QPSK	1	0	23.18	23.30	23.19				
5	QPSK	1	12	23.12	23.26	23.20	24.5	0		
5	QPSK	1	24	23.06	23.16	23.14				
5	QPSK	1	7							
5	QPSK	12	25	22.25	22.28	22.22				
5	QPSK	12	25	22.15	22.28	22.12	22.5	1		
5	QPSK	12	13	22.29	22.21	22.14				
5	QPSK	25	0	22.21	22.21	22.28				
5	QPSK	25	0	22.48	22.48	22.41				
5	16QAM	1	12	22.29	22.53	22.43	23.5	1		
5	16QAM	1	24	22.22	22.42	22.43				
5	16QAM	1	7	21.13	21.26	21.18				
5	16QAM	12	7	21.15	21.38	21.29				
5	16QAM	12	13	21.48	21.46	21.18				
5	16QAM	25	0	21.30	21.24	21.26				
5	16QAM	25	0	21.57	21.66	21.69				
5	64QAM	1	12	21.55	21.63	21.50	22.5	2		
5	64QAM	1	24	21.72	21.52	21.49				
5	64QAM	12	0	19.76	19.57	19.73				
5	64QAM	12	7	19.76	19.57	19.65				
5	64QAM	12	13	19.76	19.61	19.73	21.5	3		
5	64QAM	25	0	19.77	19.62	19.56				
Channel				26967	26965	27033	Turn-on time (ms)	MPR (dB)		
Frequency (MHz)				844.7	831.5	848.3				
1.4	QPSK	1	0	23.11	23.31	23.21				
1.4	QPSK	1	8	23.11	23.24	23.03	24.5	0		
1.4	QPSK	1	14	23.13	23.13	23.17				
1.4	QPSK	1	27	22.27	22.27	22.30				
1.4	QPSK	8	0	22.19	22.06	22.09	23.5	1		
1.4	QPSK	8	7	22.24	22.30	22.22				
1.4	QPSK	19	0	22.23	22.29	22.22				
1.4	QPSK	1	0	22.49	22.58	22.51				
1.4	16QAM	1	8	22.28	22.49	22.50				
1.4	16QAM	1	14	22.28	22.49	22.49				
1.4	16QAM	1	27	22.28	22.49	22.49	23.5	1		
1.4	16QAM	8	0	21.16	21.38	21.19				
1.4	16QAM	8	7	21.49	21.60	21.19	22.5	2		
1.4	16QAM	19	0	21.30	21.38	21.28				
1.4	64QAM	1	0	21.49	21.64	21.72				
1.4	64QAM	1	8	21.57	21.64	21.59	22.5	2		
1.4	64QAM	1	14	21.70	21.49	21.54				
1.4	64QAM	1	27	19.80	19.66	19.76				
1.4	64QAM	8	0	19.71	19.58	19.71	21.5	3		
1.4	64QAM	8	7	19.76	19.57	19.68				
1.4	64QAM	19	0	19.69	19.59	19.69				
Channel				26997	26965	27033	Turn-on time (ms)	MPR (dB)		
Frequency (MHz)				844.7	831.5	848.3				
1.4	QPSK	1	0	23.11	23.31	23.21				
1.4	QPSK	1	3	23.13	23.24	23.04	24.5	0		
1.4	QPSK	1	23	23.06	23.15	23.11				
1.4	QPSK	3	0	23.03	23.29	23.11				
1.4	QPSK	3	1	22.21	23.15	23.03				
1.4	QPSK	3	1	23.06	23.12	23.07	23.5	1		
1.4	QPSK	1	0	22.91	22.24	22.22	23.5	2		
1.4	16QAM	1	0	22.49	22.51	22.45				
1.4	16QAM	1	3	22.29	22.52	22.46				
1.4	16QAM	1	23	22.42	22.44	22.44	22.5	1		
1.4	16QAM	3	0	22.46	22.44	22.44				
1.4	16QAM	3	1	22.19	22.43	22.42				
1.4	16QAM	3	1	22.35	22.34	22.31				
1.4	16QAM	6	0	21.37	21.20	21.32	22.5	2		
1.4	64QAM	1	0	21.54	21.59	21.69				
1.4	64QAM	1	3	21.57	21.61	21.58				
1.4	64QAM	1	23	21.74	21.53	21.66	22.5	2		
1.4	64QAM	3	0	21.47	21.56	21.66				
1.4	64QAM	3	1	21.56	21.60	21.57				
1.4	64QAM	3	1	21.66	21.51	21.64				
1.4	64QAM	6	0	19.77	19.53	19.59	21.5	3		

Band 66_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.52	18.58	18.65	19	0	
20	QPSK	1	49	18.30	18.42	18.52	19	0	
20	QPSK	1	99	18.05	18.09	18.64	19	0	
20	QPSK	50	0	18.05	18.74	18.73	19	0	
20	QPSK	50	24	18.42	18.45	18.91	19	0	
20	QPSK	50	50	18.57	18.57	18.65	19	0	
20	QPSK	100	0	18.56	18.61	18.59	19	0	
20	16QAM	1	0	18.56	18.60	18.61	19	0	
20	16QAM	1	49	18.30	18.40	18.32	19	0	
20	16QAM	1	99	18.05	18.32	18.85	19	0	
20	16QAM	50	0	18.52	18.66	18.65	19	0	
20	16QAM	50	24	18.41	18.42	18.32	19	0	
20	16QAM	50	50	18.67	18.71	18.63	19	0	
20	16QAM	100	0	18.53	18.52	18.58	19	0	
20	64QAM	1	0	18.62	18.63	18.62	19	0	
20	64QAM	1	49	18.30	18.37	18.34	19	0	
20	64QAM	1	99	18.04	18.90	18.94	19	0	
20	64QAM	50	0	18.56	18.62	18.56	19	0	
20	64QAM	50	24	18.36	18.36	18.31	19	0	
20	64QAM	50	50	18.65	18.68	18.68	19	0	
20	64QAM	100	0	18.55	18.55	18.48	19	0	
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.54	18.53	18.54	19	0	
15	QPSK	1	37	18.36	18.36	18.35	19	0	
15	QPSK	1	74	18.87	18.88	18.89	19	0	
15	QPSK	36	0	18.52	18.62	18.62	19	0	
15	QPSK	36	20	18.40	18.35	18.31	19	0	
15	QPSK	36	39	18.66	18.73	18.71	19	0	
15	QPSK	75	0	18.52	18.60	18.51	19	0	
15	16QAM	1	0	18.53	18.53	18.58	19	0	
15	16QAM	1	37	18.28	18.30	18.27	19	0	
15	16QAM	1	74	18.84	18.88	18.82	19	0	
15	16QAM	36	0	18.48	18.56	18.61	19	0	
15	16QAM	36	20	18.31	18.35	18.22	19	0	
15	16QAM	36	39	18.57	18.65	18.56	19	0	
15	16QAM	75	0	18.50	18.50	18.51	19	0	
15	64QAM	1	0	18.56	18.57	18.58	19	0	
15	64QAM	1	37	18.28	18.29	18.33	19	0	
15	64QAM	1	74	18.78	18.81	18.67	19	0	
15	64QAM	36	0	18.53	18.54	18.53	19	0	
15	64QAM	36	20	18.30	18.32	18.28	19	0	
15	64QAM	36	39	18.61	18.58	18.62	19	0	
15	64QAM	75	0	18.49	18.54	18.48	19	0	
Channel									
Frequency (MHz)									
10	QPSK	1	0	18.55	18.65	18.59	19	0	
10	QPSK	1	25	18.35	18.33	18.30	19	0	
10	QPSK	1	49	18.91	18.94	18.94	19	0	
10	QPSK	25	0	18.51	18.58	18.62	19	0	
10	QPSK	25	12	18.32	18.38	18.27	19	0	
10	QPSK	25	25	18.62	18.70	18.63	19	0	
10	QPSK	50	0	18.54	18.64	18.59	19	0	
10	16QAM	1	0	18.55	18.53	18.59	19	0	
10	16QAM	1	25	18.27	18.32	18.29	19	0	
10	16QAM	1	49	18.86	18.89	18.84	19	0	
10	16QAM	25	0	18.44	18.52	18.51	19	0	
10	16QAM	25	12	18.35	18.40	18.28	19	0	
10	16QAM	25	25	18.65	18.61	18.60	19	0	
10	16QAM	50	0	18.50	18.49	18.51	19	0	
10	64QAM	1	0	18.60	18.55	18.56	19	0	
10	64QAM	1	25	18.24	18.29	18.25	19	0	
10	64QAM	1	49	18.82	18.80	18.84	19	0	
10	64QAM	25	0	18.55	18.56	18.50	19	0	
10	64QAM	25	12	18.37	18.36	18.28	19	0	
10	64QAM	25	25	18.57	18.67	18.64	19	0	
10	64QAM	50	0	18.49	18.47	18.47	19	0	
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.55	18.66	18.62	19	0	
5	QPSK	1	12	18.37	18.36	18.35	19	0	
5	QPSK	1	24	18.94	18.95	18.95	19	0	
5	QPSK	12	0	18.55	18.58	18.59	19	0	
5	QPSK	12	7	18.38	18.36	18.32	19	0	
5	QPSK	12	13	18.66	18.66	18.72	19	0	
5	QPSK	25	0	18.48	18.59	18.58	19	0	
5	16QAM	1	0	18.53	18.50	18.55	19	0	
5	16QAM	1	12	18.30	18.38	18.30	19	0	
5	16QAM	1	24	18.94	18.82	18.83	19	0	
5	16QAM	12	0	18.44	18.63	18.63	19	0	
5	16QAM	12	7	18.35	18.34	18.30	19	0	
5	16QAM	12	13	18.64	18.69	18.55	19	0	
5	16QAM	25	0	18.47	18.49	18.51	19	0	
5	64QAM	1	0	18.55	18.57	18.59	19	0	
5	64QAM	1	12	18.27	18.27	18.24	19	0	
5	64QAM	1	24	18.78	18.82	18.86	19	0	
5	64QAM	12	0	18.48	18.55	18.51	19	0	
5	64QAM	12	7	18.29	18.33	18.27	19	0	
5	64QAM	12	13	18.61	18.62	18.65	19	0	
5	64QAM	25	0	18.52	18.46	18.38	19	0	
Channel									
Frequency (MHz)									
3	QPSK	1	0	18.62	18.62	18.59	19	0	
3	QPSK	1	8	18.35	18.33	18.30	19	0	
3	QPSK	1	14	18.84	18.93	18.87	19	0	
3	QPSK	8	0	18.48	18.57	18.56	19	0	
3	QPSK	8	4	18.39	18.44	18.34	19	0	
3	QPSK	8	7	18.68	18.71	18.67	19	0	
3	QPSK	15	0	18.47	18.51	18.52	19	0	
3	16QAM	1	0	18.54	18.50	18.56	19	0	
3	16QAM	1	8	18.27	18.34	18.25	19	0	
3	16QAM	1	14	18.95	18.89	18.84	19	0	
3	16QAM	8	0	18.50	18.58	18.56	19	0	
3	16QAM	8	4	18.35	18.32	18.23	19	0	
3	16QAM	8	7	18.65	18.65	18.54	19	0	
3	16QAM	15	0	18.43	18.49	18.54	19	0	
3	64QAM	1	0	18.57	18.58	18.60	19	0	
3	64QAM	1	8	18.30	18.28	18.33	19	0	
3	64QAM	1	14	18.70	18.67	18.65	19	0	
3	64QAM	8	0	18.54	18.56	18.46	19	0	
3	64QAM	8	4	18.32	18.37	18.23	19	0	
3	64QAM	8	7	18.64	18.66	18.66	19	0	
3	64QAM	15	0	18.48	18.52	18.45	19	0	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	18.64	18.65	18.62	19	0	
1.4	QPSK	1	3	18.30	18.35	18.36	19	0	
1.4	QPSK	1	5	18.90	18.92	18.92	19	0	
1.4	QPSK	3	0	18.57	18.61	18.52	19	0	
1.4	QPSK	3	1	18.30	18.25	18.28	19	0	
1.4	QPSK	3	3	18.62	18.62	18.65	19	0	
1.4	QPSK	6	0	18.50	18.55	18.58	19	0	
1.4	16QAM	1	0	18.53	18.51	18.57	19	0	
1.4	16QAM	1	3	18.30	18.30	18.30	19	0	
1.4	16QAM	1	5	18.87	18.84	18.78	19	0	
1.4	16QAM	3	0	18.52	18.48	18.56	19	0	
1.4	16QAM	3	1	18.29	18.25	18.23	19	0	
1.4	16QAM	3	3	18.84	18.75	18.77	19	0	
1.4	16QAM	6	0	18.43	18.46	18.53	19	0	
1.4	64QAM	1	0	18.52	18.55	18.58	19	0	
1.4	64QAM	1	3	18.28	18.27	18.30	19	0	
1.4	64QAM	1	5	18.80	18.85	18.84	19	0	
1.4	64QAM	3	0	18.50	18.49	18.54	19	0	
1.4	64QAM	3	1	18.25	18.18	18.24	19	0	
1.4	64QAM	3	3	18.73	18.77	18.78	19	0	
1.4	64QAM	6	0	18.47	18.53	18.45	19	0	

Band 66_Ant 31									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (dBm)	Power Mid Ch (dBm)	Power High Ch (dBm)	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				130372	133332	133372			
20	QPSK	1	0	21.03	21.10	21.06			
20	QPSK	1	49	21.02	21.09	21.02	22	0	
20	QPSK	50	99	21.01	21.01	21.01			
20	QPSK	50	24	20.99	20.99	20.98	22	0	
20	QPSK	50	50	20.98	21.01	20.99			
20	QPSK	50	75	20.97	21.02	20.97			
20	16QAM	1	0	21.01	21.01	20.97			
20	16QAM	1	49	20.98	21.02	20.96	22	0	
20	16QAM	50	99	20.97	20.98	20.97			
20	16QAM	50	24	20.96	20.99	20.91	22	0	
20	16QAM	50	50	20.92	20.95	20.79			
20	16QAM	50	75	20.91	20.97	20.87			
20	64QAM	1	0	21.02	21.02	20.99			
20	64QAM	1	49	21.02	21.06	20.96			
20	64QAM	50	99	20.98	21.03	20.97			
20	64QAM	50	24	20.14	20.13	20.20			
20	64QAM	50	24	20.16	20.22	20.21	21.5	0.5	
20	64QAM	50	50	20.11	20.16	20.21			
20	64QAM	50	75	20.09	20.21	20.21			
Channel									
Frequency (MHz)				133047	133332	133597	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.02	21.01	20.77			
15	QPSK	1	49	21.01	21.03	20.77	22	0	
15	QPSK	1	74	20.91	20.93	20.89			
15	QPSK	36	0	20.91	20.90	20.85			
15	QPSK	36	24	20.89	20.93	20.82	22	0	
15	QPSK	36	36	20.88	20.96	20.83			
15	QPSK	75	0	20.93	20.95	20.92			
15	16QAM	1	0	21.00	20.97	20.91			
15	16QAM	1	49	20.97	21.01	20.91	22	0	
15	16QAM	1	74	20.86	20.88	20.83			
15	16QAM	36	0	20.84	20.88	20.83			
15	16QAM	36	24	20.82	20.92	20.74	22	0	
15	16QAM	36	36	20.71	20.88	20.72			
15	16QAM	75	0	20.80	20.93	20.93			
15	64QAM	1	0	20.93	21.03	20.95			
15	64QAM	1	49	20.82	21.01	20.97	21.5	0.5	
15	64QAM	1	74	20.95	20.94	20.88			
15	64QAM	36	0	20.99	20.98	20.34			
15	64QAM	36	24	20.92	21.03	20.96			
15	64QAM	36	36	20.95	20.93	20.77			
15	64QAM	75	0	20.18	20.21	20.28			
Channel									
Frequency (MHz)				133322	133332	133552	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.93	21.01	20.93			
10	QPSK	1	26	20.94	21.02	20.97	22	0	
10	QPSK	1	49	20.99	20.93	20.93			
10	QPSK	12	0	20.93	20.93	20.88			
10	QPSK	25	12	20.87	20.95	20.78	22	0	
10	QPSK	25	25	20.81	20.93	20.80			
10	QPSK	50	0	20.92	21.01	20.93			
10	QPSK	50	24	21.00	20.92	20.92	22	0	
10	16QAM	1	26	20.96	21.01	20.94			
10	16QAM	1	49	20.90	20.95	20.90			
10	16QAM	12	0	20.83	20.95	20.83	22	0	
10	16QAM	25	12	20.78	20.89	20.73			
10	16QAM	25	25	20.70	20.82	20.72			
10	16QAM	50	0	20.88	20.92	20.82			
10	16QAM	50	24	20.99	21.04	20.99	22	0	
10	64QAM	1	26	20.88	20.92	20.88			
10	64QAM	1	49	20.88	20.92	20.86			
10	64QAM	12	0	20.72	20.96	20.78	22	0	
10	64QAM	25	12	20.14	20.12	20.11	21.5	0.5	
10	64QAM	25	25	20.05	20.34	20.20			
10	64QAM	50	0	20.25	20.31	20.21			
Channel									
Frequency (MHz)				133197	133332	133547	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.93	21.04	20.93			
5	QPSK	1	12	20.95	21.04	20.95	22	0	
5	QPSK	12	0	20.82	20.96	20.83			
5	QPSK	12	7	20.89	20.86	20.81	22	0	
5	QPSK	12	12	20.87	20.88	20.86			
5	QPSK	25	0	20.95	20.98	20.94			
5	16QAM	1	0	20.93	20.98	20.87			
5	16QAM	1	12	20.88	20.95	20.90	22	0	
5	16QAM	1	12	20.86	20.92	20.86			
5	16QAM	12	0	20.86	20.86	20.80			
5	16QAM	12	7	20.70	20.81	20.78	22	0	
5	16QAM	12	12	20.63	20.76	20.63			
5	16QAM	25	0	20.82	20.88	20.80			
5	64QAM	1	0	20.92	21.00	20.91			
5	64QAM	1	12	20.87	20.93	20.95	22	0	
5	64QAM	1	12	20.87	20.88	20.86			
5	64QAM	12	0	20.10	20.08	20.10			
5	64QAM	12	7	20.13	20.17	20.18	21.5	0.5	
5	64QAM	12	12	20.13	20.16	20.16			
5	64QAM	25	0	20.24	20.13	20.21			
Channel									
Frequency (MHz)				133197	133332	133557	Turn-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	20.96	21.06	21.03			
3	QPSK	1	14	20.91	21.07	21.03	22	0	
3	QPSK	8	0	20.90	20.93	20.89			
3	QPSK	8	7	20.87	20.90	20.83			
3	QPSK	8	7	20.85	20.91	20.88			
3	QPSK	15	0	20.87	20.90	20.93			
3	16QAM	1	0	21.00	20.94	20.87	22	0	
3	16QAM	8	0	20.96	20.98	20.86			
3	16QAM	1	14	20.93	20.94	20.84			
3	16QAM	8	0	20.86	20.84	20.81			
3	16QAM	8	7	20.78	20.88	20.73	22	0	
3	16QAM	15	0	20.86	20.92	20.93			
3	64QAM	1	0	20.92	21.04	20.97			
3	64QAM	8	0	20.82	20.82	20.95	22	0	
3	64QAM	1	14	20.96	20.98	20.98			
3	64QAM	8	0	20.04	20.12	20.25	21.5	0.5	
3	64QAM	8	7	20.03	20.11	20.14			
3	64QAM	8	7	20.04	20.30	20.24			
3	64QAM	15	0	20.20	20.17	20.29			
Channel									
Frequency (MHz)				133132	133332	133552	Turn-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	21.00	21.01	21.02			
1.4	QPSK	1	3	20.96	21.01	20.98	22	0	
1.4	QPSK	1	5	21.00	20.97	20.98			
1.4	QPSK	1	8	20.92	20.92	20.91			
1.4	QPSK	3	1	20.84	20.90	20.86			
1.4	QPSK	3	3	20.80	20.87	20.81	22	8	
1.4	QPSK	3	5	20.87	20.88	20.83			
1.4	16QAM	1	0	20.94	20.93	20.92			
1.4	16QAM	1	3	20.95	21.00	20.94			
1.4	16QAM	1	5	20.90	20.98	20.91	22	0	
1.4	16QAM	3	1	20.83	20.88	20.83			
1.4	16QAM	3	3	20.79	20.88	20.79			
1.4	16QAM	3	5	20.73	20.85	20.78	22	8	
1.4	16QAM	3	8	20.67	20.88	20.78			
1.4	64QAM	1	0	20.99	21.00	20.97			
1.4	64QAM	1	3	20.91	20.98	20.94			
1.4	64QAM	1	5	20.91	20.96	20.90	22	0	
1.4	64QAM	3	1	20.05	20.09	20.01			
1.4	64QAM	3	3	20.08	20.13	20.18			
1.4	64QAM	3	5	20.04	20.34	20.20	21.5		

Band 38_Ant 13									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up Int (s)	MPE (dB)	
Channel									
Frequency (MHz)									
				37650	38000	38150			
				25850	25950	26150			
20	QPSK	1	0	18.74	18.76	18.78	19	0	
20	QPSK	1	49	17.88	17.96	17.94	19	0	
20	QPSK	50	0	18.92	18.94	18.96	19	0	
20	QPSK	50	24	18.07	18.09	18.05	19	0	
20	QPSK	50	50	18.27	18.29	18.24	19	0	
20	QPSK	100	0	18.25	18.34	18.25	19	0	
20	16QAM	1	0	18.68	18.71	18.66	19	0	
20	16QAM	1	49	17.80	17.94	17.97	19	0	
20	16QAM	50	0	18.36	18.43	18.42	19	0	
20	16QAM	50	24	18.03	18.11	18.08	19	0	
20	16QAM	50	50	18.21	18.20	18.20	19	0	
20	16QAM	100	0	18.16	18.24	18.23	19	0	
20	64QAM	1	49	17.84	17.98	17.91	19	0	
20	64QAM	5	99	18.36	18.31	18.30	19	0	
20	64QAM	5	0	18.33	18.33	18.30	19	0	
20	64QAM	50	24	18.00	18.08	17.97	19	0	
20	64QAM	50	50	18.21	18.20	18.20	19	0	
20	64QAM	100	0	18.16	18.24	18.23	19	0	
20	64QAM	100	24	18.00	18.08	17.97	19	0	
20	64QAM	1	0	18.64	18.67	18.64	19	0	
20	64QAM	1	49	17.79	17.91	17.89	19	0	
20	64QAM	1	99	18.36	18.51	18.39	19	0	
20	64QAM	50	0	18.33	18.33	18.30	19	0	
20	64QAM	50	24	18.01	18.02	18.01	19	0	
20	64QAM	50	50	18.22	18.23	18.21	19	0	
20	64QAM	100	0	18.15	18.32	18.23	19	0	
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.68	18.71	18.63	19	0	
15	QPSK	1	37	17.87	17.91	17.88	19	0	
15	QPSK	1	74	18.39	18.46	18.39	19	0	
15	QPSK	36	0	18.37	18.33	18.31	19	0	
15	QPSK	36	20	17.99	18.07	18.02	19	0	
15	QPSK	36	39	18.17	18.27	18.20	19	0	
15	QPSK	75	0	18.22	18.24	18.23	19	0	
15	16QAM	1	0	18.63	18.66	18.65	19	0	
15	16QAM	1	37	17.71	17.91	17.82	19	0	
15	16QAM	1	74	18.38	18.39	18.37	19	0	
15	16QAM	36	0	18.29	18.39	18.29	19	0	
15	16QAM	36	20	17.93	18.05	17.95	19	0	
15	16QAM	36	39	18.12	18.26	18.16	19	0	
15	16QAM	75	0	18.08	18.22	18.22	19	0	
15	64QAM	1	0	18.68	18.22	18.22	19	0	
15	64QAM	1	37	17.78	17.91	17.86	19	0	
15	64QAM	1	74	18.35	18.46	18.32	19	0	
15	64QAM	36	0	18.23	18.27	18.24	19	0	
15	64QAM	36	20	17.93	17.99	17.92	19	0	
15	64QAM	36	39	18.14	18.17	18.15	19	0	
15	64QAM	75	0	18.11	18.27	18.14	19	0	
Channel									
Frequency (MHz)									
10	QPSK	1	0	18.05	18.66	18.58	19	0	
10	QPSK	25	0	17.84	17.92	17.97	19	0	
10	QPSK	1	49	18.42	18.52	18.44	19	0	
10	QPSK	12	0	18.38	18.38	18.33	19	0	
10	QPSK	25	13	18.02	18.08	17.98	19	0	
10	QPSK	25	25	18.25	18.25	18.17	19	0	
10	QPSK	50	0	18.18	18.27	18.15	19	0	
10	16QAM	1	0	18.65	18.68	18.63	19	0	
10	16QAM	1	25	17.71	17.85	17.82	19	0	
10	16QAM	1	49	18.32	18.41	18.39	19	0	
10	16QAM	25	0	18.33	18.34	18.33	19	0	
10	16QAM	25	12	17.92	18.03	17.94	19	0	
10	16QAM	25	25	18.20	18.17	18.12	19	0	
10	64QAM	1	0	18.68	18.62	18.55	19	0	
10	64QAM	1	25	17.78	17.91	17.84	19	0	
10	64QAM	1	49	18.29	18.40	18.31	19	0	
10	64QAM	25	0	18.28	18.29	18.22	19	0	
10	64QAM	25	12	17.96	17.92	17.97	19	0	
10	64QAM	25	25	18.20	18.19	18.12	19	0	
10	64QAM	50	0	18.14	18.23	18.13	19	0	
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.67	18.72	18.61	19	0	
5	QPSK	1	12	17.81	17.92	17.92	19	0	
5	QPSK	1	24	18.42	18.49	18.44	19	0	
5	QPSK	12	0	18.38	18.38	18.34	19	0	
5	QPSK	12	7	18.02	18.08	17.97	19	0	
5	QPSK	12	13	18.18	18.21	18.20	19	0	
5	QPSK	25	0	18.20	18.32	18.23	19	0	
5	16QAM	1	0	18.59	18.68	18.62	19	0	
5	16QAM	1	12	17.76	17.91	17.82	19	0	
5	16QAM	1	24	18.28	18.35	18.35	19	0	
5	16QAM	12	0	18.21	18.32	18.32	19	0	
5	16QAM	12	7	17.86	17.98	17.98	19	0	
5	16QAM	12	13	18.13	18.15	18.14	19	0	
5	16QAM	25	0	18.07	18.15	18.17	19	0	
5	64QAM	1	0	18.54	18.62	18.58	19	0	
5	64QAM	1	12	17.79	17.92	17.84	19	0	
5	64QAM	1	24	18.35	18.43	18.30	19	0	
5	64QAM	12	0	18.32	18.30	18.28	19	0	
5	64QAM	12	7	17.92	17.99	17.91	19	0	
5	64QAM	12	13	18.16	18.18	18.15	19	0	
5	64QAM	25	0	18.11	18.27	18.13	19	0	

Band 38_Ant 31												
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up Int (s)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.03	23.12	23.05	23.5	0				
20	QPSK	1	49	23.00	23.07	23.07	23.5	0				
20	QPSK	50	0	23.00	23.08	23.02	23.5	0				
20	QPSK	50	24	22.95	23.03	23.04	23.5	0				
20	QPSK	50	50	22.88	22.96	22.89	23.5	0				
20	QPSK	100	0	22.53	22.63	22.55	23	0.5				
20	16QAM	1	0	23.02	23.03	23.03	23.5	0				
20	16QAM	1	49	22.94	23.00	23.02	23.5	0				
20	16QAM	1	99	22.93	22.97	22.88	23	0.5				
20	16QAM	50	0	22.66	22.68	22.57	23	0.5				
20	16QAM	50	24	22.76	22.84	22.85	23	0.5				
20	16QAM	50	50	22.80	22.83	22.71	23	0.5				
20	16QAM	100	0	22.52	22.52	22.52	23	0.5				
20	16QAM	1	0	21.60	21.65	21.60	22	1.5				
20	16QAM	1	49	21.57	21.59	21.57	22	1.5				
20	16QAM	1	99	21.68	21.38	21.62	22	1.5				
20	16QAM	50	0	20.78	20.71	20.54	22	1.5				
20	16QAM	50	24	20.79	20.80	20.69	22	1.5				
20	16QAM	50	50	20.78	20.78	20.64	22	1.5				
20	16QAM	100	0	20.73	20.62	20.60	22	1.5				
Frequency (MHz)												
15	QPSK	1	0	22.06	22.07	22.04	23.5	0				
15	QPSK	1	47	22.05	22.05	22.09	23.5	0				
15	QPSK	1	94	22.06	22.04	22.06	23.5	0				
15	QPSK	36	0	22.91	23.02	22.98	23.5	0				
15	QPSK	36	20	22.93	22.93	22.87	23.5	0				
15	QPSK	36	40	22.93	22.93	22.86	23.5	0				
15	QPSK	75	0	22.52	22.56	22.54	23.5	0				
15	16QAM	1	0	22.98	22.94	22.99	23.5	0				
15	16QAM	1	47	22.92	22.92	22.98	23.5	0				
15	16QAM	1	94	22.98	22.91	22.77	23.5	0				
15	16QAM	36	0	22.63	22.59	22.47	23	0.5				
15	16QAM	36	20	22.67	22.67	22.67	23	0.5				
15	16QAM	36	36	22.79	22.50	22.63	23	0.5				
15	16QAM	75	0	22.44	22.32	22.44	23	0.5				
15	16QAM	1	0	21.61	21.61	21.53	22	1.5				
15	16QAM	1	47	21.60	21.51	21.51	22	1.5				
15	16QAM	1	94	21.60	21.37	21.60	22	1.5				
15	16QAM	36	0	20.71	20.61	20.61	22	1.5				
15	16QAM	36	20	20.75	20.50	20.50	22	1.5				
15	16QAM	36	36	20.73	20.51	20.72	22	1.5				
15	16QAM	75	0	20.65	20.61	20.55	22	1.5				
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.00	23.00	23.00	23.5	0				
10	QPSK	1	25	22.95	22.95	22.95	23.5	0				
10	QPSK	1	49	22.88	22.88	22.81	23.5	0				
10	QPSK	1	73	22.88	22.88	22.81	23.5	0				
10	QPSK	25	12	22.91	22.94	22.98	23.5	0				
10	QPSK	25	25	22.78	22.80	22.87	23.5	0				
10	QPSK	25	37	22.88	22.88	22.81	23.5	0				
10	16QAM	1	0	22.97	22.94	23.01	23.5	0				
10	16QAM	1	25	22.89	22.96	22.85	23.5	0				
10	16QAM	1	49	22.88	22.88	22.81	23.5	0				
10	16QAM	1	73	22.88	22.88	22.81	23.5	0				
10	16QAM	25	12	22.91	22.92	22.92	23.5	0				
10	16QAM	25	25	22.61	22.62	22.62	23	0.5				
10	16QAM	25	37	22.70	22.49	22.62	23	0.5				
10	16QAM	50	0	22.44	22.20	22.42	23	0.5				
10	16QAM	1	0	21.60	21.55	21.51	23	0.5				
10	16QAM	1	25	21.62	21.47	21.51	23	0.5				
10	16QAM	1	49	21.60	21.31	21.52	23	0.5				
10	16QAM	25	0	20.74	20.66	20.63	22	1.5				
10	16QAM	25	25	20.74	20.66	20.63	22	1.5				
10	16QAM	25	37	20.72	20.63	20.63	22	1.5				
10	16QAM	25	49	20.71	20.50	20.73	22	1.5				
10	16QAM	50	0	20.65	20.61	20.55	22	1.5				
Frequency (MHz)												
5	QPSK	1	0	22.95	23.00	23.00	23.5	0				
5	QPSK	1	12	22.99	23.06	23.02	23.5	0				
5	QPSK	1	25	22.99	23.06	23.02	23.5	0				
5	QPSK	12	0	22.99	22.98	22.94	23.5	0				
5	QPSK	12	7	22.91	22.98	22.93	23.5	0				
5	QPSK	12	14	22.91	22.98	22.93	23.5	0				
5	QPSK	25	0	22.51	22.56	22.48	23.5	0				
5	16QAM	1	0	23.00	23.02	22.96	23.5	0				
5	16QAM	1	12	22.98	22.98	22.94	23.5	0				
5	16QAM	1	24	22.98	22.92	22.81	23.5	0				
5	16QAM	12	0	22.64	22.64	22.62	23	0.5				
5	16QAM	12	7	22.64	22.64	22.61	23	0.5				
5	16QAM	12	14	22.64	22.64	22.61	23	0.5				
5	16QAM	25	0	22.44	22.24	22.44	23	0.5				
5	16QAM	25	7	22.37	22.13	22.37	23	0.5				
5	16QAM	1	12	21.52	21.50	21.52	23	0.5				
5	16QAM	1	24	21.60	21.31	21.60	23	0.5				
5	16QAM	12	0	20.77	20.68	20.64	22	1.5				
5	16QAM	12	7	20.74	20.55	20.50	22	1.5				
5	16QAM	12	14	20.69	20.49	20.64	22	1.5				
5	16QAM	25	0	20.68	20.68	20.64	22	1.5				

<WLAN 2.4GHz FCC>

2.4GHz WLAN			Ant 22		Ant 22		Ant 22		Ant 22		Ant 22		Ant 22		Duty Cycle	
			Head Standalone		Head Standalone		Body/Extremity Standalone		Body/Extremity Standalone		Hotspot					
Mode	Channel	Frequency (MHz)	Average power (mW)	Tune-Up Limit	Average power (mW)	Tune-Up Limit	Average power (mW)	Tune-Up Limit	Average power (mW)	Tune-Up Limit	Average power (mW)	Tune-Up Limit	Average power (mW)	Tune-Up Limit		
802.11b 1Mbps	1	2412	17.10	18.00	15.00	16.00	13.10	14.00	17.10	18.00	16.00	17.00	16.00	17.00	98.24	
	6	2437	16.80	18.00	14.80	16.00	12.80	14.00	16.80	18.00	15.80	17.00	15.80	17.00		
	11	2462	16.80	18.00		14.80	16.00	12.90	14.00	16.80	18.00	15.80	17.00	15.80		17.00
	1	2412	8.20	9.00					9.00	8.20	9.00		9.00			9.00
	2	2417	18.40	19.00					14.00	18.40	19.00		17.00			17.00
	6	2437	17.50	18.00					14.00	17.50	18.00		17.00			17.00
802.11g 6Mbps	1	2412	8.10	9.00					9.00	8.10	9.00		9.00		9.00	90.26
	2	2417	17.80	18.00					14.00	17.80	18.00		17.00		17.00	
	11	2462	9.00	10.00					10.00	17.80	18.00		17.00		17.00	
	1	2412	8.10	9.00					9.00	8.10	9.00		9.00		9.00	
	2	2417	16.90	19.00					14.00	16.90	19.00		17.00		17.00	
	10	2487	17.00	18.00					14.00	17.00	18.00		17.00		17.00	
802.11n-HT20 MCS0	6	2437	17.00	18.00					14.00	17.00	18.00		17.00		17.00	87.97
	10	2457	16.20	18.00					14.00	16.20	18.00		17.00		17.00	
	11	2462	9.20	10.00					10.00	9.20	10.00		10.00		10.00	
	3	2422	7.40	8.00					8.00	7.40	8.00		8.00		8.00	
	4	2427	14.10	15.00					14.00	14.10	15.00		15.00		15.00	
	6	2437	14.90	16.00					14.00	14.90	16.00		16.00		16.00	
802.11n-HT40 MCS0	7	2442	13.00	14.00					14.00	13.00	14.00		14.00		14.00	85.31
	8	2447	9.50	11.00					11.00	9.50	11.00		11.00		11.00	
	9	2452	7.20	9.00					9.00	7.20	9.00		9.00		9.00	
	1	2412	8.90	9.00					9.00	8.90	9.00		9.00		9.00	
	2	2417	16.80	18.00					14.00	16.80	18.00		17.00		17.00	
	6	2437	16.90	18.00					14.00	16.90	18.00		17.00		17.00	
802.11ac-VHT20 MCS0	10	2457	16.10	17.00					14.00	16.10	17.00		17.00		17.00	87.16
	11	2462	9.00	10.00					10.00	9.00	10.00		10.00		10.00	
	3	2422	7.30	9.00					9.00	7.30	9.00		9.00		9.00	
	4	2427	13.90	15.00					14.00	13.90	15.00		15.00		15.00	
	6	2437	14.80	16.00					14.00	14.80	16.00		16.00		16.00	
	7	2442	13.00	14.00					14.00	13.00	14.00		14.00		14.00	
802.11ac-VHT40 MCS0	8	2447	13.00	11.00					11.00	13.00	11.00		11.00		11.00	85.66
	9	2452	7.10	9.00					9.00	7.10	9.00		9.00		9.00	

<WLAN 5GHz FCC>

5.2GHz WLAN			Ant 22		Ant 22		Ant 22		Ant 22		Ant 22		Ant 22		Ant 22		Duty Cycle %
			Default/Full		Head Standalone		Head Standalone		Body/Extremity Standalone		Body/Extremity Standalone		Hotspot				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
802.11a 6Mbps	36	5180	10.43	11.00		11.00		11.00	11.00	10.43	11.00		11.00		11.00		89.10
	40	5200	18.30	19.00		19.00		19.00	13.00	18.30	19.00		17.00		17.00		
	44	5220	18.32	19.00		19.00		19.00	13.00	18.32	19.00		17.00		17.00		
	48	5240	18.35	19.00		19.00		19.00	13.00	18.35	19.00		17.00		17.00		
	36	5180	16.22	17.00	Not Required		Not Required		13.00	16.22	17.00	Not Required		17.00	Not Required	17.00	
	40	5200	17.42	18.00	Not Required		Not Required		13.00	17.42	18.00	Not Required		17.00	Not Required	17.00	
802.11n-HT20 MCS0	44	5220	17.38	18.00		18.00		18.00	13.00	17.38	18.00		17.00		17.00		87.88
	48	5240	17.49	18.00		18.00		18.00	13.00	17.49	18.00		17.00		17.00		
	36	5180	9.77	10.50	9.77	10.50	9.77	10.50	9.77	10.50	9.77	10.50	9.77	10.50	9.77	10.50	
	40	5200	16.46	17.00	14.50	15.00	12.48	13.00	16.46	17.00	10.46	11.00	16.46	17.00	16.46	17.00	
	36	5180	11.38	12.00		12.00		12.00	12.00	11.38	12.00		12.00		12.00		
	40	5200	17.36	18.00		18.00		18.00	13.00	17.36	18.00		17.00		17.00		
802.11ac-VHT20 MCS0	44	5220	17.31	18.00		18.00		18.00	13.00	17.31	18.00		17.00		17.00		87.41
	48	5240	17.39	18.00		18.00		18.00	13.00	17.39	18.00		17.00		17.00		
	36	5180	7.48	8.00	Not Required	8.00	Not Required	8.00	7.48	8.00	Not Required	8.00	Not Required	8.00	Not Required	8.00	
	40	5200	16.44	17.00		17.00		17.00	13.00	16.44	17.00		17.00		17.00		
	802.11ac-VHT80 MCS0	42	5210	5.89	7.00		7.00		7.00	5.89	7.00		7.00		7.00		
	802.11ac-VHT160 MCS0	42	5210	5.89	7.00		7.00		7.00	5.89	7.00		7.00		7.00		

5.3GHz WLAN			Ant 22		Ant 22		Ant 22		Ant 22		Ant 22		Duty Cycle %	
			Default/Full		Head Standalone		Head Simultaneous		Body/Extremity Standalone		Body/Extremity Simultaneous			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	52	5260	18.37	19.00	15.00				13.00	18.37	19.00	17.00	89.10	
	56	5280	18.24	19.00	15.00				13.00	18.24	19.00	17.00		
	60	5300	18.30	19.00	15.00				13.00	18.30	19.00	17.00		
	64	5320	10.42	11.00	11.00				11.00	10.42	11.00	11.00		
	52	5260	17.44	18.00	Not Required	15.00	Not Required		13.00	17.44	18.00	Not Required		17.00
	56	5280	17.17	18.00	15.00				13.00	17.17	18.00	17.00		
802.11n-HT20 MCS0	60	5300	17.31	18.00	15.00				13.00	17.31	18.00	17.00	87.88	
	64	5320	16.41	17.00	15.00				13.00	16.41	17.00	17.00		
	54	5270	16.43	17.00	14.45	15.00	12.42	13.00	16.43	17.00	16.43	17.00		85.26
	62	5310	12.12	14.00	12.12	14.00	11.18	13.00	12.12	14.00	12.12	14.00		
	52	5260	16.47	17.00	15.00				13.00	16.47	17.00	17.00		
	56	5280	16.13	17.00	15.00				13.00	16.13	17.00	17.00		
802.11ac-VHT20 MCS0	60	5300	16.38	17.00	15.00				13.00	16.38	17.00	17.00	87.41	
	64	5320	10.47	11.00	11.00				11.00	10.47	11.00	11.00		
	54	5270	16.38	17.00	15.00				13.00	16.38	17.00	17.00		
	62	5310	10.25	11.00	11.00				11.00	10.25	11.00	11.00		
	802.11ac-VHT80 MCS0	58	5290	5.51	7.00	7.00				7.00	5.51	7.00		7.00

5.5GHz WLAN			Ant 22		Ant 22		Ant 22		Ant 22		Ant 22		Ant 22		Duty Cycle %	
			Default/Full		Head Standalone		Head Simultaneous		Body/Extremity Standalone		Body/Extremity Simultaneous		Hotspot			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
802.11a 6Mbps	108	5560	6.74	7.00					7.00		7.00		7.00		89.10	
	116	5580	17.63	18.00					12.00		16.00		16.00			
	124	5620	17.72	18.00					12.00		16.00		13.00			
	132	5660	17.72	18.00					12.00		16.00		13.00			
	140	5700	5.85	7.00					7.00		7.00		7.00			
	144	5720	17.72	18.00					14.00		16.00		13.00			
	152	5800	6.86	7.00					7.00		7.00		7.00			
	156	5880	17.77	18.00					12.00		16.00		13.00			
802.11a/H20 MCS0	124	5660	17.68	18.00					12.00		16.00		13.00		87.88	
	132	5660	17.75	18.00					12.00		16.00		13.00			
	140	5700	5.84	7.00					7.00		7.00		7.00			
	144	5720	17.72	18.00					14.00		16.00		13.00			
	152	5800	5.44	6.00					8.00	5.44	6.00		6.00			
	156	5880	16.72	17.00					14.00		12.00	15.75	16.00	13.00		
	160	5900	16.69	17.00					14.00		12.00	16.00	13.00	13.00		
	164	5920	16.69	17.00					14.00		12.00	16.00	13.00	13.00		
802.11a/H20 MCS0	134	5670	10.70	12.00					12.00		10.00	10.70	12.00	12.00		
	142	5710	15.65	16.00					12.00		10.00	15.65	16.00	16.00		
	150	5750	5.71	6.00					8.00		6.00	5.71	6.00	6.00		
	158	5810	16.69	17.00					14.00		12.00	16.69	17.00	13.00		
	166	5850	16.69	17.00					14.00		12.00	16.69	17.00	13.00		
	174	5910	4.90	6.00					6.00		6.00	4.90	6.00	6.00		
	182	5970	16.69	17.00					14.00		12.00	16.69	17.00	13.00		
	190	6030	5.34	6.00					6.00		8.00	5.34	6.00	6.00		
802.11ac-VHT20 MCS0	110	5650	14.35	15.00					14.00		12.00	14.35	15.00	13.00		
	126	5630	14.35	15.00					14.00		12.00	15.00	13.00	13.00		
	134	5670	14.47	15.00					14.00		12.00	15.00	13.00	13.00		
	142	5710	14.35	15.00					14.00		12.00	15.00	13.00	13.00		
802.11ac-VHT40 MCS0	110	5650	14.35	15.00					14.00		12.00	14.35	15.00	13.00		
	126	5630	14.35	15.00					14.00		12.00	15.00	13.00	13.00		
	134	5670	14.47	15.00					14.00		12.00	15.00	13.00	13.00		
	142	5710	14.35	15.00					14.00		12.00	15.00	13.00	13.00		
802.11ac-VHT80 MCS0	110	5650	6.91	8.50	6.91	8.50	6.91	8.50	8.50	6.91	8.50	8.50	6.91	8.50		
	122	5610	12.28	14.00	12.28	14.00	11.97	13.00	14.00	12.28	14.00	14.00	12.15	13.00		
	138	5690	14.00	15.00	14.00	15.00	14.00	15.00	15.00	14.00	15.00	15.00	14.00	15.00		
	150	5770	14.00	15.00	14.00	15.00	14.00	15.00	15.00	14.00	15.00	15.00	14.00	15.00		

Bluetooth	Mode	Channel	Frequency (MHz)	Default/Full		Duty Cycle %
				Ant 6		
				Average power (dBm)	Tune-Up Limit	
Bluetooth	BR / EDR 1Mbps	0	2402	9.20	11.00	77.60%
		39	2441	9.20	11.00	
		78	2480	9.10	11.00	
	BR / EDR 2Mbps	0	2402	7.10	9.00	77.33%
		39	2441	7.30	9.00	
		78	2480	7.40	9.00	
	BR / EDR 3Mbps	0	2402	7.20	9.00	77.13%
		39	2441	7.30	9.00	
		78	2480	7.40	9.00	
	LE 1Mbps	0	2402	7.30	9.00	31.20%
		19	2440	7.30	9.00	
		39	2480	7.10	9.00	
	LE 2Mbps	0	2402	7.20	9.00	30.65%
		19	2440	7.20	9.00	
		39	2480	7.00	9.00	