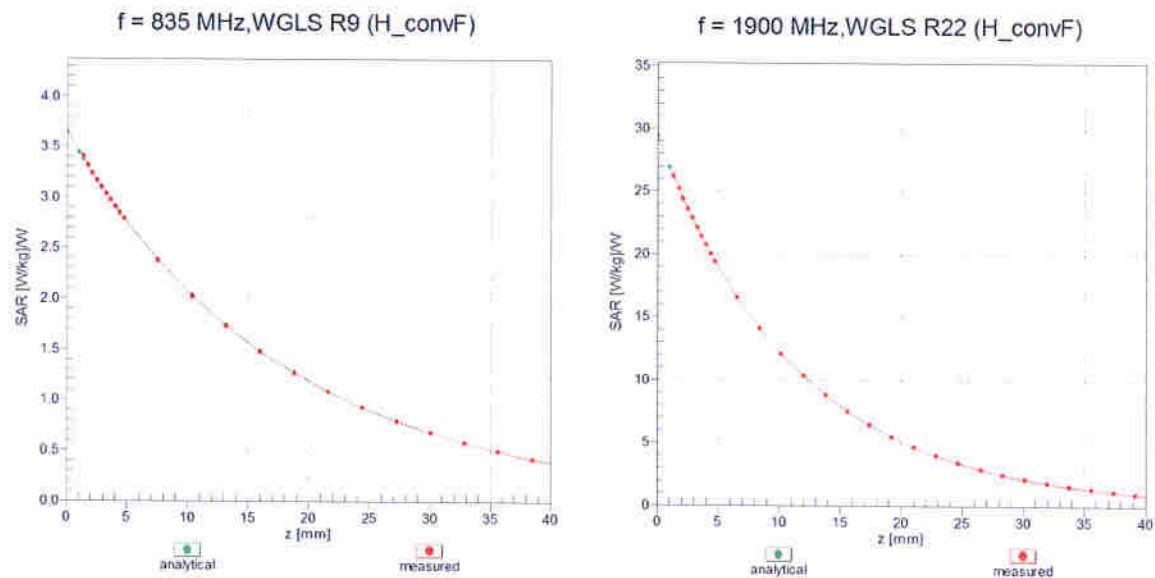
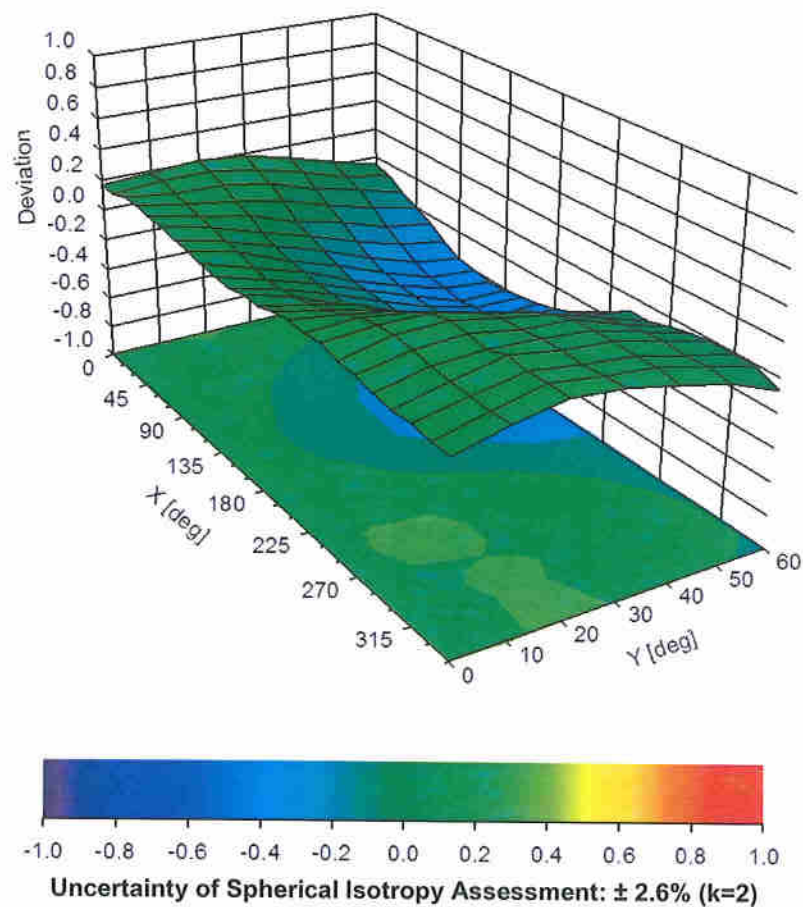


Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ), $f = 900 \text{ MHz}$





Appendix E. Conducted RF Output Power Table

The detailed power tables are shown as follows.

Conducted Full Power for WWAN

GSM850 Ant 0_Default	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.44	32.66	32.51	33.30	23.44	23.66	23.51	24.30
GPRS 1 Tx slot	32.39	32.63	32.44	33.30	23.39	23.63	23.44	24.30
GPRS 2 Tx slots	30.24	30.44	30.27	31.30	24.24	24.44	24.27	25.30
GPRS 3 Tx slots	27.07	28.14	28.02	28.80	23.71	23.88	23.76	24.54
GPRS 4 Tx slots	27.25	27.56	27.31	28.30	24.25	24.58	24.31	25.30
EDGE(GMSK 1 Tx slot)	32.38	32.62	32.42	33.30	23.38	23.62	23.42	24.30
EDGE(GMSK 2 Tx slots)	30.22	30.40	30.24	31.30	24.22	24.40	24.24	25.30
EDGE(GMSK 3 Tx slots)	27.96	28.11	27.99	28.80	23.70	23.85	23.73	24.54
EDGE(GMSK 4 Tx slots)	27.21	27.55	27.28	28.30	24.21	24.55	24.28	25.30
EDGE 1 Tx slot	27.04	27.11	27.06	27.80	18.04	18.11	18.06	18.80
EDGE 2 Tx slots	23.70	23.57	23.80	24.80	17.70	17.57	17.80	18.80
EDGE 3 Tx slots	21.13	21.25	21.31	22.30	16.87	16.99	17.05	18.04
EDGE 4 Tx slots	20.84	21.02	21.25	21.80	17.94	18.02	18.25	18.80

GSM1900 Ant 0_Default	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.28	30.36	30.39	30.60	21.28	21.36	21.39	21.60
GPRS 1 Tx slot	30.25	30.34	30.36	30.60	21.25	21.34	21.36	21.60
GPRS 2 Tx slots	27.53	27.60	27.59	28.10	21.53	21.60	21.59	22.10
GPRS 3 Tx slots	25.34	25.37	25.41	25.80	21.08	21.11	21.15	21.54
GPRS 4 Tx slots	24.62	24.68	24.67	25.30	21.62	21.68	21.67	22.30
EDGE(GMSK 1 Tx slot)	30.22	30.32	30.33	30.60	21.22	21.32	21.33	21.60
EDGE(GMSK 2 Tx slots)	27.51	27.58	27.58	28.10	21.51	21.58	21.58	22.10
EDGE(GMSK 3 Tx slots)	25.33	25.33	25.38	25.80	21.07	21.07	21.12	21.54
EDGE(GMSK 4 Tx slots)	24.60	24.66	24.68	25.30	21.60	21.66	21.68	22.30
EDGE 1 Tx slot	25.50	25.69	25.42	26.10	16.50	16.69	16.42	17.10
EDGE 2 Tx slots	23.31	23.28	23.16	23.80	17.31	17.28	17.16	17.80
EDGE 3 Tx slots	21.82	21.86	21.88	22.10	17.56	17.60	17.62	17.84
EDGE 4 Tx slots	19.41	19.59	19.60	20.30	16.41	16.59	16.60	17.30

Band	WCDMA II Ant 0_Default			Tune-up Limit (dBm)	WCDMA IV Ant 0_Default			Tune-up Limit (dBm)	WCDMA V Ant 0_Default			Tune-up Limit (dBm)
	9282	9408	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9682	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	23.80	23.82	23.81	24.60	23.81	23.85	23.83	24.60	23.90	23.91	23.78	24.80
3GPP Rel 99 RMC 12.2Kbps	23.83	23.85	23.83	24.60	23.82	23.86	23.84	24.60	23.91	23.93	23.79	24.80
3GPP Rel 6 HSDPA Subtest-1	22.78	22.75	22.76	23.60	22.66	22.72	22.75	23.60	22.89	22.84	22.76	23.80
3GPP Rel 6 HSDPA Subtest-2	22.78	22.73	22.74	23.60	22.66	22.70	22.75	23.60	22.87	22.85	22.72	23.80
3GPP Rel 6 HSDPA Subtest-3	22.31	22.30	22.28	22.60	22.23	22.25	22.27	22.60	22.41	22.40	22.25	23.30
3GPP Rel 6 HSDPA Subtest-4	22.28	22.26	22.25	22.60	22.17	22.21	22.22	22.60	22.39	22.32	22.23	23.30
3GPP Rel 6 DC-HSDPA Subtest-1	22.78	22.66	22.56	23.60	22.48	22.67	22.67	23.60	22.72	22.73	22.63	23.80
3GPP Rel 6 DC-HSDPA Subtest-2	22.58	22.72	22.55	23.60	22.50	22.59	22.72	23.60	22.89	22.67	22.70	23.80
3GPP Rel 6 DC-HSDPA Subtest-3	22.29	22.13	22.26	22.60	22.07	22.16	22.25	22.60	22.41	22.26	22.06	23.30
3GPP Rel 6 DC-HSDPA Subtest-4	22.28	22.24	22.19	22.60	22.06	22.16	22.07	22.60	22.29	22.27	22.03	23.30
3GPP Rel 6 HSUPA Subtest-1	21.25	21.22	21.24	21.60	21.13	21.22	21.22	21.60	21.36	21.31	21.20	21.80
3GPP Rel 6 HSUPA Subtest-2	19.76	19.71	19.73	20.60	19.64	19.67	19.70	20.60	19.71	19.66	19.65	20.80
3GPP Rel 6 HSUPA Subtest-3	20.77	20.74	20.74	21.60	20.67	20.70	20.70	21.60	20.84	20.82	20.68	21.80
3GPP Rel 6 HSUPA Subtest-4	20.26	20.26	20.23	21.10	20.15	20.19	20.18	21.10	20.34	20.32	20.17	21.30
3GPP Rel 6 HSUPA Subtest-5	22.80	22.70	22.70	23.60	22.68	22.70	22.71	23.60	22.90	22.80	22.70	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	22.61	22.69	22.57	23.60	22.48	22.69	22.58	23.60	22.65	22.71	22.58	23.80



Band 2 Ant 0_Default												
BW [MHz]	Modulatio	RB Size	RB Offset	Power Low Ch. / 16700	Power Middle Ch. / 16900	Power High Ch. / 17100	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.42	23.46	23.33						
20	QPSK	1	49	23.50	23.54	23.39	24.3	0				
20	QPSK	1	99	23.31	23.34	23.30						
20	QPSK	50	0	22.55	22.56	22.49						
20	QPSK	50	24	22.49	22.50	22.43						
20	QPSK	50	50	22.45	22.46	22.40	23.3	1				
20	QPSK	100	0	22.52	22.53	22.39						
20	16QAM	1	0	22.58	22.65	22.29						
20	16QAM	1	49	22.71	22.70	22.41	23.3	1				
20	16QAM	1	99	22.76	22.53	22.40						
20	16QAM	50	0	21.52	21.51	21.40						
20	16QAM	50	24	21.54	21.59	21.39	22.3	2				
20	16QAM	50	50	21.54	21.44	21.35						
20	16QAM	100	0	21.46	21.38	21.29						
20	64QAM	1	0	21.52	21.75	21.48						
20	64QAM	1	49	21.55	21.77	21.69	22.3	2				
20	64QAM	1	99	21.33	21.68	21.43						
20	64QAM	50	0	20.53	20.53	20.38						
20	64QAM	50	24	20.49	20.54	20.42						
20	64QAM	50	50	20.41	20.45	20.32	21.3	3				
20	64QAM	100	0	20.47	20.48	20.32						
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.36	23.40	23.43						
15	QPSK	1	37	23.51	23.46	23.35	24.3	0				
15	QPSK	1	74	23.29	23.36	23.29						
15	QPSK	36	0	22.52	22.55	22.36						
15	QPSK	36	20	22.57	22.59	22.40	23.3	1				
15	QPSK	36	39	22.46	22.49	22.45						
15	QPSK	75	0	22.50	22.53	22.44						
15	16QAM	1	0	22.58	23.02	22.83						
15	16QAM	1	37	23.06	23.02	22.96	23.3	1				
15	16QAM	1	74	22.56	22.92	22.93						
15	16QAM	36	0	21.53	21.55	21.37						
15	16QAM	36	20	21.56	21.60	21.43	22.3	2				
15	16QAM	36	39	21.50	21.49	21.46						
15	16QAM	75	0	21.58	21.48	21.37						
15	64QAM	1	0	21.53	21.21	21.63						
15	64QAM	1	37	21.60	21.65	21.77	22.3	2				
15	64QAM	1	74	21.51	21.31	21.67						
15	64QAM	36	0	20.57	20.59	20.30						
15	64QAM	36	20	20.54	20.50	20.50	21.3	3				
15	64QAM	36	39	20.48	20.50	20.44						
15	64QAM	75	0	20.42	20.42	20.36						
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.31	23.49	23.41						
10	QPSK	1	25	23.50	23.50	23.41	24.3	0				
10	QPSK	1	49	23.37	23.42	23.31						
10	QPSK	25	0	22.55	22.56	22.54						
10	QPSK	25	12	22.54	22.52	22.47	23.3	1				
10	QPSK	25	25	22.56	22.51	22.47						
10	QPSK	50	0	22.59	22.58	22.53						
10	16QAM	1	0	22.75	23.06	22.88	23.3	1				
10	16QAM	1	25	22.60	22.66	22.91						
10	16QAM	1	49	22.56	22.78	22.50						
10	16QAM	25	0	21.50	21.60	21.44						
10	16QAM	25	12	21.64	21.56	21.45	22.3	2				
10	16QAM	25	25	21.59	21.42	21.39						
10	16QAM	50	0	21.60	21.53	21.45						
10	64QAM	1	0	21.46	21.81	21.24						
10	64QAM	1	25	21.61	21.81	21.60	22.3	2				
10	64QAM	1	49	21.70	21.86	21.71						
10	64QAM	25	0	20.55	20.66	20.46						
10	64QAM	25	12	20.52	20.56	20.40						
10	64QAM	25	25	20.53	20.52	20.43	21.3	3				
10	64QAM	50	0	20.59	20.62	20.41						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.40	23.47	23.52						
5	QPSK	1	12	23.52	23.46	23.52	24.3	0				
5	QPSK	1	24	23.31	23.47	23.42						
5	QPSK	12	0	22.55	22.66	22.57						
5	QPSK	12	7	22.53	22.57	22.59	23.3	1				
5	QPSK	12	13	22.54	22.56	22.58						
5	QPSK	25	0	22.52	22.56	22.57						
5	16QAM	1	0	22.57	23.06	22.87	23.3	1				
5	16QAM	1	12	22.48	23.02	23.04						
5	16QAM	1	24	22.62	22.98	23.11						
5	16QAM	12	0	21.51	21.63	21.62						
5	16QAM	12	7	21.47	21.55	21.61	22.3	2				
5	16QAM	12	13	21.41	21.56	21.63						
5	16QAM	25	0	21.54	21.54	21.60						
5	64QAM	1	0	21.51	21.92	21.87						
5	64QAM	1	12	21.38	21.68	21.95	22.3	2				
5	64QAM	1	24	21.85	21.83	21.67						
5	64QAM	12	0	20.58	20.66	20.73						
5	64QAM	12	7	20.47	20.56	20.59	21.3	3				
5	64QAM	12	13	20.43	20.55	20.70						
5	64QAM	25	0	20.42	20.56	20.62						
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.31	23.53	23.48						
3	QPSK	1	8	23.40	23.45	23.47	24.3	0				
3	QPSK	1	14	23.40	23.45	23.44						
3	QPSK	8	0	22.52	22.52	22.57						
3	QPSK	8	4	22.56	22.50	22.57	23.3	1				
3	QPSK	8	7	22.45	22.50	22.66						
3	QPSK	15	0	22.46	22.55	22.60						
3	16QAM	1	0	23.04	22.74	22.64						
3	16QAM	1	8	22.38	22.75	23.07	23.3	1				
3	16QAM	1	14	22.68	22.58	22.90						
3	16QAM	8	0	21.53	21.69	21.57						
3	16QAM	8	4	21.46	21.64	21.62	22.3	2				
3	16QAM	8	7	21.51	21.49	21.74						
3	16QAM	15	0	21.53	21.44	21.70						
3	64QAM	1	0	21.52	21.59	21.78						
3	64QAM	1	8	21.80	21.83	21.87	22.3	2				
3	64QAM	1	14	21.54	21.78	21.88						
3	64QAM	8	0	20.54	20.61	20.63						
3	64QAM	8	4	20.57	20.49	20.64	21.3	3				
3	64QAM	8	7	20.62	20.53	20.63						
3	64QAM	15	0	20.46	20.53	20.56						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.47	23.49	23.48						
1.4	QPSK	1	3	23.46	23.42	23.40	24.3	0				
1.4	QPSK	1	5	23.27	23.37	23.39						
1.4	QPSK	3	0	23.29	23.45	23.51						
1.4	QPSK	3	1	23.46	23.45	23.51						
1.4	QPSK	3	3	23.44	23.44	23.48	23.3	1				
1.4	QPSK	6	0	22.53	22.61	22.64						
1.4	16QAM	1	0	22.58	23.09	22.80						
1.4	16QAM	1	3	22.45	23.01	22.98	23.3	1				
1.4	16QAM	1	5	23.01	23.02	22.73						
1.4	16QAM	3	0	22.54	22.59	22.67						
1.4	16QAM	3	1	22.58	22.61	22.66						
1.4	16QAM	3	3	22.37	22.44	22.69	22.3	2				
1.4	16QAM	6	0	21.55	21.70	21.72						
1.4	64QAM	1	0	21.54	21.91	21.69						
1.4	64QAM	1	3	21.64	21.78	21.65	22.3	2				
1.4	64QAM	1	5	21.80	21.63	21.75						
1.4	64QAM	3	0	21.38	21.67	21.64						
1.4	64QAM	3	1	21.48	21.57	21.62						
1.4	64QAM	3	3	21.70	21.64	21.79						
1.4	64QAM	6	0	20.45	20.51	20.52	21.3	3				

Band 4 Ant 0_Default												
BW [MHz]	Modulatio	RB Size	RB Offset	Power Low Ch. / 20050	Power Middle Ch. / 20175	Power High Ch. / 20300	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.44	23.45	23.41						
20	QPSK	1	49	23.50	23.54	23.47	24.3	0				
20	QPSK	1	99	23.38	23.44	23.32						
20	QPSK	50	0	22.55	22.							



Band 7 Ant 0_Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dbm)	MPR (db)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	22.86	23.02	22.95	23.6	0		
20	QPSK	1	49	23.20	23.25	23.24				
20	QPSK	1	99	23.13	23.02	23.21				
20	QPSK	50	0	22.25	22.28	22.27				
20	QPSK	50	24	22.15	22.21	22.19				
20	QPSK	50	50	22.14	22.20	22.18	22.6	1		
20	QPSK	100	0	22.16	22.21	22.18				
20	16QAM	1	0	21.90	22.13	22.03				
20	16QAM	1	49	22.04	22.15	22.16				
20	16QAM	1	99	22.21	22.24	22.22				
20	16QAM	50	0	20.99	21.20	21.17	21.6	2		
20	16QAM	50	24	21.10	21.19	21.20				
20	16QAM	50	50	21.17	21.17	21.28				
20	16QAM	100	0	21.08	21.16	21.22				
20	64QAM	1	0	21.10	21.29	21.20				
20	64QAM	1	49	21.18	21.19	21.38	21.6	2		
20	64QAM	1	99	21.11	21.12	21.28				
20	64QAM	50	0	19.96	20.10	20.21				
20	64QAM	50	24	20.16	20.16	20.18				
20	64QAM	50	50	20.11	20.14	20.19				
20	64QAM	100	0	20.00	20.03	20.22	20.6	3		
Channel				20625	21100	21375				
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	22.82	23.07	23.16	23.6	0		
15	QPSK	1	37	22.98	23.01	23.04				
15	QPSK	1	74	22.99	23.24	23.23				
15	QPSK	36	0	22.00	22.12	22.23				
15	QPSK	36	20	22.10	22.20	22.22				
15	QPSK	36	39	22.23	22.19	22.35	22.6	1		
15	QPSK	75	0	22.07	22.20	22.32				
15	16QAM	1	0	22.16	22.34	22.16				
15	16QAM	1	37	22.16	22.31	22.25				
15	16QAM	1	74	22.28	22.39	22.43				
15	16QAM	36	0	21.05	21.18	21.19	21.6	2		
15	16QAM	36	20	21.09	21.20	21.25				
15	16QAM	36	39	21.21	21.23	21.40				
15	16QAM	75	0	21.11	21.15	21.30				
15	64QAM	1	0	21.03	21.27	21.36				
15	64QAM	1	37	21.37	21.55	21.35	21.6	2		
15	64QAM	1	74	21.47	21.43	21.31				
15	64QAM	36	0	20.08	20.17	20.29				
15	64QAM	36	20	20.17	20.24	20.35				
15	64QAM	36	39	20.26	20.20	20.37				
15	64QAM	75	0	20.12	20.06	20.21	20.6	3		
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	23.04	23.08	23.18	23.6	0		
10	QPSK	1	25	23.07	23.08	23.24				
10	QPSK	1	49	23.09	23.21	23.23				
10	QPSK	25	0	22.11	22.19	22.38				
10	QPSK	25	12	22.13	22.26	22.33				
10	QPSK	25	25	22.26	22.31	22.44	22.6	1		
10	QPSK	50	0	22.18	22.28	22.41				
10	16QAM	1	0	22.27	22.30	22.52				
10	16QAM	1	25	22.14	22.52	22.47				
10	16QAM	1	49	22.21	22.33	22.55				
10	16QAM	25	0	21.14	21.23	21.36	21.6	2		
10	16QAM	25	12	21.23	21.27	21.46				
10	16QAM	25	25	21.27	21.24	21.46				
10	16QAM	50	0	21.25	21.18	21.39				
10	64QAM	1	0	21.39	21.42	21.44				
10	64QAM	1	25	21.19	21.47	21.31	21.6	2		
10	64QAM	1	49	21.49	21.04	21.45				
10	64QAM	25	0	20.13	20.27	20.28				
10	64QAM	25	12	20.18	20.27	20.32				
10	64QAM	25	25	20.22	20.17	20.39				
10	64QAM	50	0	20.15	20.18	20.40	20.6	3		
Channel				20502.5	21100	21425				
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	23.08	23.19	23.12	23.6	0		
5	QPSK	1	12	23.15	23.14	23.24				
5	QPSK	1	24	23.09	23.14	23.19				
5	QPSK	12	0	22.19	22.20	22.45				
5	QPSK	12	7	22.20	22.24	22.43				
5	QPSK	12	13	22.19	22.21	22.46	22.6	1		
5	QPSK	25	0	22.24	22.22	22.39				
5	16QAM	1	0	22.46	22.33	22.29				
5	16QAM	1	12	22.55	22.41	22.55				
5	16QAM	1	24	22.51	22.47	22.45				
5	16QAM	12	0	21.15	21.20	21.44	21.6	2		
5	16QAM	12	7	21.17	21.14	21.38				
5	16QAM	12	13	21.14	21.21	21.44				
5	16QAM	25	0	21.11	21.22	21.35				
5	64QAM	1	0	21.37	21.48	21.49				
5	64QAM	1	12	21.21	21.44	21.55	21.6	2		
5	64QAM	1	24	21.51	21.58	21.18				
5	64QAM	12	0	20.13	20.23	20.38				
5	64QAM	12	7	20.27	20.18	20.36				
5	64QAM	12	13	20.17	20.20	20.43				
5	64QAM	25	0	20.13	20.17	20.44	20.6	3		

Band 12 Ant 0_Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)				
Channel				23060	23095	23130						
Frequency (MHz)				704	707.5	711						
10	QPSK	1	0	23.85	23.88	23.80	24.8	0				
10	QPSK	1	25	23.88	23.91	23.85						
10	QPSK	1	49	23.83	23.85	23.81						
10	QPSK	25	0	22.90	22.92	22.79						
10	QPSK	25	12	22.86	22.89	22.78						
10	QPSK	25	25	22.85	22.88	22.71	23.8	1				
10	QPSK	50	0	22.85	22.86	22.81						
10	16QAM	1	0	23.06	22.87	23.16						
10	16QAM	1	25	22.85	23.24	23.03						
10	16QAM	1	49	23.05	22.81	23.02						
10	16QAM	25	0	21.87	21.76	21.83	22.8	2				
10	16QAM	25	12	22.02	21.70	21.89						
10	16QAM	25	25	21.89	21.67	21.78						
10	16QAM	50	0	21.85	21.70	21.79						
10	64QAM	1	0	22.16	21.75	21.89						
10	64QAM	1	25	22.16	21.78	21.65	22.8	2				
10	64QAM	1	49	22.05	22.07	21.80						
10	64QAM	25	0	23.77	23.84	23.84						
10	64QAM	25	12	23.07	23.07	23.75	21.8	3				
10	64QAM	25	25	23.07	23.02	23.75						
10	64QAM	50	0	23.94	23.74	23.74						
Channel				23035 <th>23095<th>23155<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th colspan="2"></th></th></th>	23095 <th>23155<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th colspan="2"></th></th>	23155 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th colspan="2"></th>	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				701.5 <th>707.5<th>713.5<th colspan="4"></th></th></th>	707.5 <th>713.5<th colspan="4"></th></th>	713.5 <th colspan="4"></th>						
5	QPSK	1	0	23.78	23.79	23.66	24.8	0				
5	QPSK	1	12	23.89	23.84	23.75						
5	QPSK	1	24	23.77	23.84	23.84						
5	QPSK	12	0	22.96	22.96	22.94						
5	QPSK	12	12	22.93	22.93	22.93						
5	QPSK	12	13	22.97	22.92	22.81	23.8	1				
5	QPSK	25	0	22.93	22.88	22.92						
5	16QAM	1	0	23.55	23.49	23.01						
5	16QAM	1	12	23.09	23.19	22.87						
5	16QAM	1	24	23.53	23.49	23.27						
5	16QAM	12	0	21.99	21.94	21.85	22.8	2				
5	16QAM	12	7	21.94	21.93	21.87						
5	16QAM	12	13	21.84	21.93	21.85						
5	16QAM	25	0	22.06	21.86	21.96						
5	64QAM	1	0	22.19	22.03	22.10						
5	64QAM	1	12	22.25	22.02	21.94	22.8	2				
5	64QAM	1	24	22.16	22.16	22.08						
5	64QAM	12	0	20.96	20.94	20.94						
5	64QAM	12	7	20.96	21.02	20.82						
5	64QAM	12	13	20.96	20.99	20.82						
5	64QAM	25	0	20.95	20.79	20.92	21.8	3				
5	64QAM	25	0	20.95	20.79	20.92						
Channel				23025 <th>23095<th>23165<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th colspan="2"></th></th></th>	23095 <th>23165<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th colspan="2"></th></th>	23165 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th colspan="2"></th>			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5 <th>707.5<th>714.5<th colspan="4"></th></th></th>	707.5 <th>714.5<th colspan="4"></th></th>	714.5 <th colspan="4"></th>						
3	QPSK	1	0	23.70	23.76	23.73			24.8	0		
3	QPSK	1	8	23.83	23.72	23.62						
3	QPSK	8	14	23.90	23.92	23.91						
3	QPSK	8	4	22.97	22.92	22.77						
3	QPSK	8	4	23.00	22.89	22.82						
3	QPSK	8	7	22.94	22.73	22.94	23.8	1				
3	QPSK	15	0	22.96	22.85	22.87						
3	16QAM	1	0	23.50	23.25	23.48						
3	16QAM	1	8	23.24	23.48	23.48						
3	16QAM	1	14	23.32	23.19	23.08						
3	16QAM	8	0	21.89	21.94	21.80	22.8	2				
3	16QAM	8	4	22.10	21.88	22.01						
3	16QAM	8	7	22.05	21.81	21.95						
3	16QAM	15	0	21.96	21.87	21.84						
3	64QAM	1	0	22.19	22.03	22.10						
3	64QAM	1	8	21.77	22.19	21.77	22.8	2				
3	64QAM	1	14	22.09	22.01	22.11						
3	64QAM	8	0	20.91	20.93	20.91						
3	64QAM	8	4	20.91	21.01	20.99						
3	64QAM	8	7	20.83	20.87	20.95						
3	64QAM	15	0	20.91	20.88	20.95	21.8	3				
3	64QAM	15	0	20.91	20.88	20.95						
Channel				699.7 <th>707.5<th>715.3<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th colspan="2"></th></th></th>	707.5 <th>715.3<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th colspan="2"></th></th>	715.3 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th colspan="2"></th>			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7 <th>707.5<th>715.3<th colspan="4"></th></th></th>	707.5 <th>715.3<th colspan="4"></th></th>	715.3 <th colspan="4"></th>						
1.4	QPSK	1	0	23.78	23.69	23.58			24.8	0		
1.4	QPSK	1	3	23.75	23.61	23.72						
1.4	QPSK	1	5	23.90	23.56	23.86						
1.4	QPSK	3	0	23.74	23.77	23.58						
1.4	QPSK	3	1	23.87	23.76	23.81						
1.4	QPSK	3	2	23.87	23.72	23.72	23.8	1				
1.4	QPSK	6	0	22.96	22.94	22.94						
1.4	16QAM	1	0	22.94	23.15	22.90						
1.4	16QAM	1	3	23.16	22.76	23.08						
1.4	16QAM	1	5	23.26	23.47	23.22						
1.4	16QAM	3	0	22.93	22.93	22.95	23.8	1				
1.4	16QAM	3	1	22.93	23.00	22.95						
1.4	16QAM	3	2	22.82	22.96	23.01						
1.4	16QAM	6	0	21.89	21.93	21.96						
1.4	64QAM	1	0	21.83	22.21	22.21						
1.4	64QAM	1	3	22.35	22.14	22.34	22.8	2				
1.4	64QAM	1	5	22.51	22.02	21.87						
1.4	64QAM	3	0	22.14	22.02	21.73						
1.4	64QAM	3	2	22.10	22.03	22.18						
1.4	64QAM	3	3	22.10	22.06	22.15						
1.4	64QAM	6	0	20.91	20.84	20.78	21.8	3				



Band 17 Ant 0_Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)		
Channel				23700	23790	23800				
Frequency (MHz)				710	711	711				
10	QPSK	1	0	23.67	23.77	23.71	24.8	0		
10	QPSK	1	25	23.78	23.87	23.80				
10	QPSK	1	49	23.76	23.81	23.79				
10	QPSK	25	0	22.74	22.80	22.78				
10	QPSK	25	12	22.71	22.74	22.72	23.8	1		
10	QPSK	25	25	22.69	22.71	22.70				
10	QPSK	50	0	22.70	22.77	22.75				
10	16QAM	1	0	23.36	22.85	22.75				
10	16QAM	1	25	23.39	23.28	22.77	23.8	1		
10	16QAM	1	49	23.16	23.26	22.78				
10	16QAM	25	0	21.86	21.74	21.76				
10	16QAM	25	12	21.88	21.89	21.71				
10	16QAM	25	25	21.80	21.88	21.73	22.8	2		
10	16QAM	50	0	21.87	21.88	21.71				
10	64QAM	1	0	21.51	21.89	21.54				
10	64QAM	1	25	22.13	22.06	21.71				
10	64QAM	1	49	22.05	21.98	21.77	22.8	2		
10	64QAM	25	0	20.74	20.67	20.70				
10	64QAM	25	12	20.82	20.71	20.70				
10	64QAM	25	25	20.79	20.88	20.70				
10	64QAM	50	0	20.78	20.73	20.75				
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	23.66	23.74	23.81	24.8	0		
5	QPSK	1	12	23.65	23.75	23.86				
5	QPSK	1	24	23.79	23.78	23.81				
5	QPSK	12	0	22.86	22.87	22.81				
5	QPSK	12	7	22.86	22.80	22.85	23.8	1		
5	QPSK	12	13	22.86	22.81	22.80				
5	QPSK	25	0	22.81	22.81	22.77				
5	16QAM	1	0	22.83	22.85	23.53				
5	16QAM	1	12	22.99	23.59	23.04	23.8	1		
5	16QAM	1	24	23.48	23.41	22.92				
5	16QAM	12	0	21.79	21.88	21.85				
5	16QAM	12	7	21.83	21.81	21.91				
5	16QAM	12	13	21.90	21.85	21.86	22.8	2		
5	16QAM	25	0	21.92	21.77	21.81				
5	64QAM	1	0	21.62	22.39	22.04				
5	64QAM	1	12	22.37	22.19	22.36				
5	64QAM	1	24	22.21	21.94	21.80	21.8	3		
5	64QAM	12	0	20.80	20.84	20.78				
5	64QAM	12	7	20.91	20.81	20.89				
5	64QAM	12	13	20.75	20.88	20.85				
5	64QAM	25	0	20.78	20.81	20.98				

Band 25 Ant 0_Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)		
Channel				26140	26340	26590				
Frequency (MHz)				1860	1860	1860				
20	QPSK	1	0	23.52	23.53	23.38	24.3	0		
20	QPSK	1	49	23.55	23.56	23.50				
20	QPSK	1	99	23.33	23.34	23.30				
20	QPSK	50	0	22.56	22.60	22.54				
20	QPSK	50	24	22.53	22.57	22.48	23.3	1		
20	QPSK	50	50	22.52	22.54	22.51				
20	QPSK	100	0	22.56	22.58	22.52				
20	16QAM	1	0	22.97	22.98	22.43				
20	16QAM	1	49	22.81	22.72	22.70	23.3	1		
20	16QAM	1	99	22.40	22.92	22.58				
20	16QAM	50	0	21.57	21.52	21.47				
20	16QAM	50	24	21.54	21.63	21.49				
20	16QAM	50	50	20.53	20.50	20.53	22.3	2		
20	16QAM	100	0	21.59	21.50	21.48				
20	64QAM	1	0	21.52	21.59	21.55				
20	64QAM	1	49	21.75	21.61	21.68				
20	64QAM	1	99	21.62	21.52	21.36	21.3	3		
20	64QAM	50	0	20.56	20.53	20.38				
20	64QAM	50	24	20.63	20.50	20.53				
20	64QAM	50	50	20.49	20.45	20.44				
20	64QAM	100	0	20.53	20.45	20.48				
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1860	1807.5				
15	QPSK	1	0	23.38	23.47	23.27	24.3	0		
15	QPSK	1	37	23.50	23.54	23.49				
15	QPSK	1	74	23.27	23.33	23.21				
15	QPSK	36	0	22.58	22.62	22.49				
15	QPSK	36	20	22.58	22.62	22.57	23.3	1		
15	QPSK	36	39	22.51	22.54	22.43				
15	QPSK	75	0	22.56	22.54	22.49				
15	16QAM	1	0	22.76	22.67	22.59				
15	16QAM	1	37	22.71	22.71	22.78	23.3	1		
15	16QAM	1	74	22.49	22.45	22.34				
15	16QAM	36	0	21.60	21.63	21.50				
15	16QAM	36	20	21.57	21.67	21.49				
15	16QAM	36	39	21.53	21.59	21.58	22.3	2		
15	16QAM	75	0	21.55	21.61	21.52				
15	64QAM	1	0	21.55	21.91	21.70				
15	64QAM	1	37	21.93	21.58	21.45				
15	64QAM	1	74	21.45	21.51	21.65	21.3	3		
15	64QAM	36	0	20.66	20.61	20.47				
15	64QAM	36	20	20.60	20.64	20.48				
15	64QAM	36	39	20.54	20.53	20.54				
15	64QAM	75	0	20.52	20.46	20.51				
Channel				26060	26340	26660	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1910				
10	QPSK	1	0	23.55	23.55	23.48	24.3	0		
10	QPSK	1	25	23.52	23.55	23.49				
10	QPSK	1	49	23.54	23.44	23.44				
10	QPSK	25	0	22.61	22.71	22.80				
10	QPSK	25	12	22.68	22.62	22.56	23.3	1		
10	QPSK	25	25	22.64	22.64	22.80				
10	QPSK	50	0	22.70	22.64	22.64				
10	16QAM	1	0	22.72	23.14	22.63				
10	16QAM	1	25	23.03	23.11	23.01	23.3	1		
10	16QAM	1	49	22.72	23.09	22.91				
10	16QAM	25	0	21.63	21.62	21.53				
10	16QAM	25	12	21.67	21.68	21.54				
10	16QAM	25	25	21.82	21.55	21.57	22.3	2		
10	16QAM	50	0	21.64	21.63	21.59				
10	64QAM	1	0	21.81	21.64	21.47				
10	64QAM	1	25	21.93	21.93	21.82				
10	64QAM	1	49	21.64	21.84	21.86	21.3	3		
10	64QAM	25	0	20.59	20.59	20.57				
10	64QAM	25	25	20.67	20.60	20.60				
10	64QAM	50	0	20.65	20.53	20.53				
Channel				26055	26340	26665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1912.5				
5	QPSK	1	0	23.31	23.49	23.50	24.3	0		
5	QPSK	1	12	23.46	23.48	23.48				
5	QPSK	1	24	23.30	23.47	23.55				
5	QPSK	12	0	22.70	22.71	22.65				
5	QPSK	12	7	22.64	22.56	22.78	23.3	1		
5	QPSK	12	13	22.62	22.62	22.64				
5	QPSK	25	0	22.64	22.59	22.74				
5	16QAM	1	0	23.03	23.06	22.89				
5	16QAM	1	12	23.13	22.72	23.18	23.3	1		
5	16QAM	1	24	22.81	23.12	22.94				
5	16QAM	12	0	21.52	21.54	21.64				
5	16QAM	12	7	21.53	21.58	21.72				
5	16QAM	12	13	21.54	21.60	21.55	22.3	2		
5	16QAM	25	0	21.57	21.57	21.66				
5	64QAM	1	0	21.91	21.84	21.72				
5	64QAM	1	12	21.45	21.93	21.52				
5	64QAM	1	24	21.96	21.43	21.94	21.3	3		
5	64QAM	12	0	20.67	20.74	20.72				
5	64QAM	12	7	20.80	20.63	20.78				
5	64QAM	12	13	20.53	20.50	20.66				
5	64QAM	25	0	20.58	20.50	20.59				
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1913.5				
3	QPSK	1	0	23.49	23.42	23.45	24.3	0		
3	QPSK	1	8	23.45	23.45	23.52				
3	QPSK	1	14	23.48	23.53	23.54				
3	QPSK	8	0	22.56	22.62	22.69				
3	QPSK	8	4	22.55	22.54	22.71	23.3	1		
3	QPSK	15	0	22.59	22.61	22.68				
3	16QAM	1	0	23.10	23.04	22.75				
3	16QAM	1	8	22.73	22.81	22.82				
3	16QAM	1	14	22.58	22.77	23.04	23.3	1		
3	16QAM	8	0	21.69	21.69	21.83				
3	16QAM	8	4	21.65	21.65	21.71				
3	16QAM	8	7	21.64	21.50	21.74				
3	16QAM	15	0	21.66	21.63	21.73	22.3	2		
3	16QAM	1	0	21.81	21.95	21.47				
3	64QAM	1	8	21.85	21.82	22.01				
3	64QAM	1	14	21.96	21.96	21.35				
3	64QAM	8	0	20.48	20.59	20.71	21.3	3		
3	64QAM	8	4	20.60	20.58	20.53				
3	64QAM	8	7	20.60	20.51	20.68				
3	64QAM	15	0	20.67	20.59	20.69				
Channel				26047	26340	26687	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				1849.5	1880	1914.5				
1.4	QPSK	1	0	23.49	23.54	23.54	24.3	0		
1.4	QPSK	1	3	23.35	23.35	23.33				
1.4	QPSK	1	5	23.29	23.40	23.41				
1.4	QPSK	3	0	23.47	23.46	23.51				
1.4	QPSK	3	1	23.45	23.41	23.44	23.3	1		
1.4	QPSK	3	3	23.35	23.48	23.53				
1.4	QPSK	8	0	22.59	22.62	22.66				
1.4	16QAM	1	0	22.91	23.19	22.90				
1.4	16QAM	1	3	22.84	22.65	23.00	23.3	1		
1.4	16QAM	1	5	22.67	23.12	22.73				
1.4	16QAM	3	0	22.47	22.69	22.65				
1.4	16QAM	3	1	22.60	22.66	22.69				
1.4	16QAM	3	3	22.60	22.62	22.62	22.3	2		
1.4	64QAM	1	0	21.66	21.70	21.65				
1.4	64QAM	1	3	21.63	21.93	22.04				
1.4	64QAM	1	5	21.84	21.64	21.94				
1.4	64QAM	3	0	21.40	21.79	21.87	22.3	2		
1.4	64QAM	3	1	21.80	21.81	21.75				
1.4	64QAM	3	3	21.73	21.74	21.71				
1.4	64QAM	6	0	20.55	20.58	20.65				



Band 66 Ant 0_Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dbm)	MPR (db)				
Channel												
Frequency (MHz)				1720	1745	1770						
20	QPSK	1	0	23.38	23.51	23.42	24.3	0				
20	QPSK	1	49	23.49	23.58	23.51						
20	QPSK	1	99	23.42	23.52	23.44						
20	QPSK	50	0	22.49	22.53	22.50						
20	QPSK	50	24	22.45	22.51	22.47	23.3	1				
20	QPSK	50	50	22.43	22.48	22.47						
20	QPSK	100	0	22.34	22.51	22.43						
20	16QAM	1	0	23.70	23.23	22.75						
20	16QAM	1	49	22.66	22.45	22.80	23.3	1				
20	16QAM	1	99	23.03	22.50	22.99						
20	16QAM	50	0	21.36	21.50	21.44						
20	16QAM	50	24	21.55	21.50	21.48						
20	16QAM	50	50	21.48	21.53	21.49	22.3	2				
20	16QAM	100	0	21.36	21.45	21.47						
20	64QAM	1	0	21.18	21.43	21.89						
20	64QAM	1	49	21.35	21.75	21.77						
20	64QAM	1	99	21.54	21.68	21.58	22.3	2				
20	64QAM	50	0	20.37	20.60	20.47						
20	64QAM	50	24	20.38	20.53	20.62						
20	64QAM	50	50	20.49	20.55	20.61						
20	64QAM	100	0	20.29	20.41	20.49	21.3	3				
Channel				13047	13232	13267				Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1717.5	1745	1772.5						
15	QPSK	1	0	23.38	23.53	23.48				24.3	0	
15	QPSK	1	37	23.49	23.51	23.55						
15	QPSK	1	74	23.36	23.50	23.36						
15	QPSK	36	0	22.46	22.64	22.51						
15	QPSK	36	20	22.45	22.63	22.57	23.3	1				
15	QPSK	36	39	22.50	22.47	22.51						
15	QPSK	75	0	22.48	22.57	22.39						
15	16QAM	1	0	23.09	23.10	23.09						
15	16QAM	1	37	23.20	23.21	22.72	23.3	1				
15	16QAM	1	74	23.00	22.63	22.76						
15	16QAM	36	0	21.51	21.56	21.58						
15	16QAM	36	20	21.52	21.53	21.60						
15	16QAM	36	39	21.55	21.47	21.53	22.3	2				
15	16QAM	75	0	21.52	21.65	21.69						
15	64QAM	1	0	21.83	21.89	21.31						
15	64QAM	1	37	21.71	21.69	21.86						
15	64QAM	1	74	21.76	21.69	21.53	22.3	2				
15	64QAM	36	0	20.44	20.60	20.49						
15	64QAM	36	20	20.48	20.58	20.57						
15	64QAM	36	39	20.49	20.53	20.55						
15	64QAM	75	0	20.44	20.56	20.49	21.3	3				
Channel				13047	13232	13267				Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1717.5	1745	1772.5						
10	QPSK	1	0	23.45	23.52	23.57				24.3	0	
10	QPSK	1	25	23.49	23.56	23.57						
10	QPSK	1	49	23.49	23.46	23.48						
10	QPSK	25	0	22.48	22.56	22.51						
10	QPSK	25	12	22.47	22.58	22.58	23.3	1				
10	QPSK	25	25	22.47	22.58	22.55						
10	QPSK	50	0	22.55	22.55	22.59						
10	16QAM	1	0	22.71	22.79	22.63						
10	16QAM	1	25	22.59	22.54	22.83	23.3	1				
10	16QAM	1	49	22.33	22.96	22.68						
10	16QAM	25	0	21.50	21.59	21.61						
10	16QAM	25	12	21.55	21.60	21.71						
10	16QAM	25	25	21.45	21.60	21.42	22.3	2				
10	16QAM	50	0	21.46	21.67	21.54						
10	64QAM	1	0	21.52	21.90	21.70						
10	64QAM	1	25	21.82	22.00	21.89						
10	64QAM	1	49	21.27	21.46	21.53	22.3	2				
10	64QAM	25	0	20.52	20.62	20.47						
10	64QAM	25	12	20.53	20.51	20.54						
10	64QAM	25	25	20.46	20.54	20.45						
10	64QAM	50	0	20.56	20.61	20.59	21.3	3				
Channel				13199	13232	13267				Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1712.5	1745	1777.5						
5	QPSK	1	0	23.53	23.51	23.53	24.3	0				
5	QPSK	1	12	23.45	23.52	23.48						
5	QPSK	1	24	23.41	23.54	23.48						
5	QPSK	12	0	22.56	22.62	22.60						
5	QPSK	12	7	22.48	22.60	22.60	23.3	1				
5	QPSK	12	13	22.48	22.49	22.51						
5	QPSK	25	0	22.53	22.51	22.56						
5	16QAM	1	0	23.00	22.49	23.10						
5	16QAM	1	12	22.66	22.81	22.54	23.3	1				
5	16QAM	1	24	22.75	23.05	23.18						
5	16QAM	12	0	21.51	21.59	21.48						
5	16QAM	12	7	21.43	21.58	21.52						
5	16QAM	12	13	21.43	21.49	21.50	22.3	2				
5	16QAM	25	0	21.45	21.50	21.54						
5	64QAM	1	0	21.48	21.56	21.74						
5	64QAM	1	12	21.62	21.35	21.53						
5	64QAM	1	24	21.92	21.74	21.34	22.3	2				
5	64QAM	12	0	20.48	20.72	20.61						
5	64QAM	12	7	20.61	20.61	20.56						
5	64QAM	12	13	20.48	20.46	20.56						
5	64QAM	25	0	20.51	20.55	20.54	Channel	131987	132322			
Frequency (MHz)				1711.5	1745	1777.5				Tune-up limit (dbm)	MPR (db)	
3	QPSK	1	0	23.47	23.53	23.40				24.3	0	
3	QPSK	1	8	23.42	23.52	23.55						
3	QPSK	1	14	23.35	23.48	23.44						
3	QPSK	8	0	22.48	22.55	22.54						
3	QPSK	8	4	22.42	22.52	22.54	23.3	1				
3	QPSK	8	7	22.46	22.53	22.47						
3	QPSK	15	0	22.43	22.51	22.60						
3	16QAM	1	0	23.06	22.71	23.13						
3	16QAM	1	8	23.11	22.90	22.57	23.3	1				
3	16QAM	1	14	22.85	23.08	22.16						
3	16QAM	8	0	21.56	21.60	21.54						
3	16QAM	8	4	21.38	21.55	21.55						
3	16QAM	8	7	21.54	21.62	21.50	22.3	2				
3	16QAM	15	0	21.46	21.42	21.70						
3	64QAM	1	0	21.46	21.91	21.85						
3	64QAM	1	8	21.62	21.98	21.86						
3	64QAM	1	14	21.53	21.28	21.59	22.3	2				
3	64QAM	8	0	20.57	20.62	20.57						
3	64QAM	8	4	20.50	20.46	20.60						
3	64QAM	8	7	20.60	20.47	20.63						
3	64QAM	15	0	20.34	20.56	20.53	21.3	3				
Channel				13199	13232	13265				Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1710.5	1745	1773.5						
1.4	QPSK	1	0	23.22	23.56	23.36				24.3	0	
1.4	QPSK	1	3	23.26	23.42	23.57						
1.4	QPSK	1	5	23.47	23.37	23.57						
1.4	QPSK	3	0	23.35	23.52	23.54						
1.4	QPSK	3	1	23.35	23.52	23.49	23.3	1				
1.4	QPSK	3	3	23.37	23.54	23.46						
1.4	QPSK	6	0	22.48	22.56	22.55						
1.4	16QAM	1	0	22.65	22.73	22.69						
1.4	16QAM	1	3	22.34	22.48	22.83	23.3	1				
1.4	16QAM	1	5	22.66	23.10	23.09						
1.4	16QAM	3	0	22.51	22.59	22.43						
1.4	16QAM	3	1	22.55	22.66	22.61						
1.4	16QAM	3	3	22.46	22.58	22.55	22.3	2				
1.4	64QAM	1	0	21.82	21.51	21.67						
1.4	64QAM	1	3	21.61	21.78	21.82						
1.4	64QAM	1	5	21.24	21.66	21.73	22.3	2				
1.4	64QAM	3	0	21.50	21.63	21.89						
1.4	64QAM	3	1	21.56	21.77	21.84						
1.4	64QAM	3	3	21.31	21.70	21.84						
1.4	64QAM	6	0	20.34	20.46	20.65	21.3	3				

GSM850 Ant 1_Default		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	169	251		128	169	251	
Frequency (MHz)		824.2	834.4	849.3		824.2	834.4	849.3	
GSM 1 Tx slot		32.22	32.43	32.23	33.30	23.22	23.43	23.23	24.30
GPRS 1 Tx slot		32.21	32.41	32.21	33.30	23.21	23.41	23.21	24.30
GPRS 2 Tx slots		30.03	30.12	30.01	31.30	24.03	24.12	24.01	25.30
GPRS 3 Tx slots		27.73	27.86	27.72	28.80	23.47	23.60	23.46	24.54
GPRS 4 Tx slots		27.05	27.14	27.05	28.30	24.05	24.14	24.05	25.30
EDGE(GMSK 1 Tx slot)		32.20	32.38	32.20	33.30	23.20	23.38	23.20	24.30
EDGE(GMSK 2 Tx slots)		30.02	30.11	29.98	31.30	24.02	24.11	23.98	25.30
EDGE(GMSK 3 Tx slots)		27.70	27.85	27.69	28.80	23.44	23.59	23.43	24.54
EDGE(GMSK 4 Tx slots)		27.03	27.10	27.00	28.30	24.03	24.10	24.00	25.30
EDGE 1 Tx slot		26.81	26.72	26.74	27.80	17.81	17.72	17.74	18.80
EDGE 2 Tx slots		23.43	23.36	23.46	24.80	17.43	17.36	17.46	18.80
EDGE 3 Tx slots		20.99	20.95	20.98	22.30	16.73	16.68	16.72	18.04
EDGE 4 Tx slots		20.68	20.58	20.75	21.80	17.68	17.58	17.75	18.80

GSM1900 Ant 1_Default		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		29.98	30.06	30.00	30.60	20.98	21.06	21.00	21.60
GPRS 1 Tx slot		29.95	30.05	29.98	30.60	20.95	21.05	20.98	21.60
GPRS 2 Tx slots		27.23	27.31	27.17	28.10	21.23	21.31	21.17	22.10
GPRS 3 Tx slots		25.06	25.16	25.03	25.80	20.80	20.90	20.77	21.54
GPRS 4 Tx slots		24.36	24.37	24.32	25.30	21.36	21.37	21.32	22.30
EDGE(GMSK 1 Tx slot)		29.94	30.00	29.96	30.60	20.94	21.00	20.96	21.60
EDGE(GMSK 2 Tx slots)		27.20	27.28	27.15	28.10	21.20	21.28	21.15	22.10
EDGE(GMSK 3 Tx slots)		25.03	25.12	24.98	25.80	20.77	20.86	20.72	21.54
EDGE(GMSK 4 Tx slots)		24.32	24.33	24.30	25.30	21.32	21.33	21.30	22.30
EDGE 1 Tx slot		25.31	25.37	25.28	26.10	16.31	16.37	16.28	17.10
EDGE 2 Tx slots		22.96	23.04	23.04	23.80	16.96	17.04	17.04	17.80
EDGE 3 Tx slots		21.68	21.62	21.56	22.10	17.42	17.36	17.30	17.84
EDGE 4 Tx slots		19.31	19.32	19.36	20.30	16.31	16.32	16.36	17.30

Band		WCDMA W Ant 1_Default			Tune-up Limit (dBm)	WCDMA W Ant 1_Default			Tune-up Limit (dBm)	WCDMA V Ant 1_Default			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.58	23.60	23.56	24.60	23.54	23.60	23.53	24.60	23.73	23.79	23.66	24.80
3GPP Rel 99	RMC 12.2Kbps	23.61	23.63	23.59	24.60	23.61	23.62	23.60	24.60	23.79	23.81	23.68	24.80
3GPP Rel 6	HSDPA Subtest-1	22.48	22.52	22.49	23.60	22.46	22.43	22.44	23.60	22.76	22.71	22.63	23.80
3GPP Rel 6	HSDPA Subtest-2	22.47	22.46	22.45	23.60	22.45	22.40	22.38	23.60	22.75	22.69	22.58	23.80
3GPP Rel 6	HSDPA Subtest-3	22.00	22.05	21.99	22.60	22.01	21.98	21.93	22.60	22.26	22.24	22.12	23.30
3GPP Rel 6	HSDPA Subtest-4	21.98	22.02	21.94	22.60	21.92	21.89	21.90	22.60	22.21	22.20	22.06	23.30
3GPP Rel 8	DC-HSDPA Subtest-1	22.41	22.43	22.49	23.60	22.30	22.31	22.41	23.60	22.75	22.53	22.59	23.80
3GPP Rel 8	DC-HSDPA Subtest-2	22.30	22.43	22.27	23.60	22.29	22.36	22.22	23.60	22.66	22.53	22.48	23.80
3GPP Rel 8	DC-HSDPA Subtest-3	21.85	21.85	21.88	22.60	21.87	21.98	21.93	22.60	22.19	22.15	22.05	23.30
3GPP Rel 8	DC-HSDPA Subtest-4	21.81	21.94	21.93	22.60	21.73	21.87	21.79	22.60	22.15	22.01	21.86	23.30
3GPP Rel 6	HSUPA Subtest-1	20.90	20.97	20.97	21.60	20.88	20.88	20.91	21.60	21.19	21.15	21.05	21.80
3GPP Rel 6	HSUPA Subtest-2	19.43	19.45	19.46	20.60	19.40	19.37	19.36	20.60	19.65	19.65	19.51	20.80
3GPP Rel 6	HSUPA Subtest-3	20.50	20.49	20.51	21.60	20.42	20.37	20.43	21.60	20.73	20.67	20.54	21.80
3GPP Rel 6	HSUPA Subtest-4	19.97	19.93	19.98	21.10	19.89	19.91	19.90	21.10	20.18	20.12	20.03	21.30
3GPP Rel 6	HSUPA Subtest-5	22.40	22.40	22.50	23.60	22.40	22.40	22.40	23.60	22.70	22.70	22.50	23.80
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.27	22.31	22.26	23.60	22.20	22.29	22.21	23.60	22.31	22.37	22.28	23.80



Band 2 Ant 1_Default														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / 18700	Power Middle Ch. / 18900	Power High Ch. / 19100	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.43	23.46	23.28	24.3	0						
20	QPSK	1	49	23.46	23.52	23.34								
20	QPSK	1	99	23.32	23.36	23.24								
20	QPSK	50	0	22.46	22.57	22.44								
20	QPSK	50	24	22.53	22.54	22.42	23.3	1						
20	QPSK	50	50	22.48	22.56	22.33								
20	QPSK	100	0	22.48	22.51	22.38								
20	16QAM	1	0	22.71	22.77	22.51								
20	16QAM	1	49	22.81	22.83	22.61	23.3	1						
20	16QAM	1	99	22.59	22.67	22.51								
20	16QAM	50	0	21.53	21.54	21.39								
20	16QAM	50	24	21.57	21.58	21.37								
20	16QAM	50	50	21.41	21.49	21.30	22.3	2						
20	16QAM	100	0	21.48	21.44	21.32								
20	64QAM	1	0	21.67	21.75	21.44								
20	64QAM	1	49	21.69	21.68	21.47								
20	64QAM	1	99	21.49	21.59	21.33	21.3	3						
20	64QAM	50	0	20.52	20.50	20.36								
20	64QAM	50	24	20.48	20.55	20.39								
20	64QAM	50	50	20.40	20.47	20.32								
20	64QAM	100	0	20.47	20.44	20.33	18.0							
Channel														
Frequency (MHz)														
15	QPSK	1	0	23.45	23.49	23.25	24.3	0						
15	QPSK	1	37	23.46	23.45	23.32								
15	QPSK	1	74	23.40	23.37	23.31								
15	QPSK	36	0	22.45	22.51	22.32								
15	QPSK	36	20	22.54	22.47	22.34	23.3	1						
15	QPSK	36	39	22.46	22.47	22.36								
15	QPSK	75	0	22.49	22.45	22.38								
15	16QAM	1	0	22.78	22.83	22.61								
15	16QAM	1	37	22.75	22.86	22.63	23.3	1						
15	16QAM	1	74	22.73	22.64	22.61								
15	16QAM	36	0	21.47	21.50	21.34								
15	16QAM	36	20	21.48	21.47	21.35								
15	16QAM	36	39	21.44	21.49	21.38	22.3	2						
15	16QAM	75	0	21.46	21.44	21.31								
15	64QAM	1	0	21.62	21.69	21.38								
15	64QAM	1	37	21.61	21.73	21.49								
15	64QAM	1	74	21.50	21.52	21.50	21.3	3						
15	64QAM	36	0	20.48	20.51	20.32								
15	64QAM	36	20	20.46	20.51	20.36								
15	64QAM	36	39	20.45	20.39	20.26								
15	64QAM	75	0	20.47	20.39	20.26	18.0							
Channel														
Frequency (MHz)														
10	QPSK	1	0	23.48	23.48	23.32	24.3	0						
10	QPSK	1	25	23.50	23.48	23.39								
10	QPSK	1	49	23.45	23.46	23.35								
10	QPSK	25	0	22.48	22.51	22.43								
10	QPSK	25	12	22.53	22.51	22.38	23.3	1						
10	QPSK	25	25	22.50	22.40	22.41								
10	QPSK	50	0	22.54	22.48	22.43								
10	16QAM	1	0	22.74	22.82	22.63								
10	16QAM	1	25	22.77	22.79	22.57	23.3	1						
10	16QAM	1	49	22.70	22.76	22.58								
10	16QAM	25	0	21.50	21.53	21.44								
10	16QAM	25	12	21.53	21.47	21.36								
10	16QAM	25	25	21.45	21.50	21.39	22.3	2						
10	16QAM	50	0	21.54	21.49	21.40								
10	64QAM	1	0	21.58	21.63	21.53								
10	64QAM	1	25	21.62	21.62	21.44								
10	64QAM	1	49	21.56	21.66	21.47	21.3	3						
10	64QAM	25	0	20.46	20.50	20.40								
10	64QAM	25	12	20.55	20.50	20.33								
10	64QAM	25	25	20.49	20.44	20.39								
10	64QAM	50	0	20.52	20.45	20.37	18.0							
Channel														
Frequency (MHz)														
5	QPSK	1	0	23.48	23.50	23.48	24.3	0						
5	QPSK	1	12	23.47	23.44	23.50								
5	QPSK	1	24	23.50	23.49	23.46								
5	QPSK	12	0	22.51	22.56	22.56								
5	QPSK	12	7	22.49	22.51	22.50	23.3	1						
5	QPSK	12	13	22.43	22.46	22.49								
5	QPSK	25	0	22.51	22.53	22.51								
5	16QAM	1	0	22.71	22.78	22.80								
5	16QAM	1	12	22.72	22.80	22.74	23.3	1						
5	16QAM	1	24	22.76	22.79	22.75								
5	16QAM	12	0	21.50	21.56	21.53								
5	16QAM	12	7	21.48	21.46	21.49								
5	16QAM	12	13	21.47	21.51	21.49	22.3	2						
5	16QAM	25	0	21.53	21.54	21.49								
5	64QAM	1	0	21.65	21.63	21.66								
5	64QAM	1	12	21.64	21.64	21.63								
5	64QAM	1	24	21.64	21.65	21.60	21.3	3						
5	64QAM	12	0	20.54	20.57	20.58								
5	64QAM	12	7	20.54	20.47	20.48								
5	64QAM	12	13	20.49	20.50	20.55								
5	64QAM	25	0	20.51	20.57	20.46	18.0							
Channel														
Frequency (MHz)														
3	QPSK	1	0	23.38	23.37	23.38	24.3	0						
3	QPSK	1	8	23.44	23.38	23.40								
3	QPSK	1	14	23.40	23.36	23.35								
3	QPSK	8	0	22.37	22.40	22.43								
3	QPSK	8	4	22.36	22.36	22.41	23.3	1						
3	QPSK	8	7	22.35	22.37	22.39								
3	QPSK	15	0	22.37	22.38	22.38								
3	16QAM	1	0	22.70	22.82	22.65								
3	16QAM	1	8	22.73	22.72	22.74	23.3	1						
3	16QAM	1	14	22.71	22.72	22.70								
3	16QAM	8	0	21.46	21.48	21.50								
3	16QAM	8	4	21.41	21.42	21.46								
3	16QAM	8	7	21.41	21.40	21.44	22.3	2						
3	16QAM	15	0	21.39	21.41	21.43								
3	64QAM	1	0	21.64	21.62	21.64								
3	64QAM	1	8	21.56	21.57	21.58								
3	64QAM	1	14	21.56	21.60	21.54	21.3	3						
3	64QAM	8	0	20.40	20.46	20.47								
3	64QAM	8	4	20.39	20.39	20.43								
3	64QAM	8	7	20.42	20.41	20.44								
3	64QAM	15	0	20.35	20.39	20.40	18.0							
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	23.42	23.46	23.4								



Band 5 Ant 1_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				820	836.5	845			
10	QPSK	1	0	23.51	23.98	23.38			
10	QPSK	1	25	23.67	23.81	23.46	24.8	0	
10	QPSK	1	49	23.54	23.83	23.38			
10	QPSK	25	0	22.53	22.56	22.42			
10	QPSK	25	12	22.46	22.54	22.40	23.8	1	
10	QPSK	25	25	22.45	22.46	22.43			
10	QPSK	50	0	22.50	22.53	22.43			
10	16QAM	1	0	22.51	22.59	22.63			
10	16QAM	1	25	22.51	22.61	22.96	23.8	1	
10	16QAM	1	49	22.47	22.96	22.86			
10	16QAM	25	0	21.55	21.50	21.30			
10	16QAM	25	12	21.60	21.46	21.39	22.8	2	
10	16QAM	25	25	21.47	21.59	21.44			
10	16QAM	50	0	21.51	21.46	21.46			
10	64QAM	1	0	21.72	21.53	21.25			
10	64QAM	1	25	21.73	21.73	21.25	22.8	2	
10	64QAM	1	49	21.58	21.67	21.29			
10	64QAM	25	0	20.49	20.54	20.42			
10	64QAM	25	12	20.55	20.58	20.38			
10	64QAM	25	25	20.50	20.63	20.34	21.8	3	
10	64QAM	50	0	20.52	20.43	20.33			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.54	23.77	23.45			
5	QPSK	1	12	23.75	23.67	23.76	24.8	0	
5	QPSK	1	24	23.54	23.83	23.60			
5	QPSK	12	0	22.77	22.85	22.56			
5	QPSK	12	7	22.70	22.82	22.54	23.8	1	
5	QPSK	12	13	22.63	22.69	22.52			
5	QPSK	25	0	22.60	22.67	22.59			
5	16QAM	1	0	23.24	23.15	23.02			
5	16QAM	1	12	22.64	22.88	23.04	23.8	1	
5	16QAM	1	24	22.43	22.90	23.15			
5	16QAM	12	0	21.69	21.65	21.51			
5	16QAM	12	7	21.56	21.63	21.51	22.8	2	
5	16QAM	12	13	21.57	21.66	21.42			
5	16QAM	25	0	21.65	21.68	21.50			
5	64QAM	1	0	21.72	21.97	21.44			
5	64QAM	1	12	22.06	21.53	21.57	22.8	2	
5	64QAM	1	24	21.54	21.40	21.91			
5	64QAM	12	0	20.73	20.57	20.46			
5	64QAM	12	7	20.65	20.70	20.47	21.8	3	
5	64QAM	12	13	20.52	20.67	20.52			
5	64QAM	25	0	20.60	20.68	20.56			
Channel				20415	20525	20605	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.69	23.59	23.63			
3	QPSK	1	8	23.75	23.58	23.69	24.8	0	
3	QPSK	1	14	23.77	23.77	23.68			
3	QPSK	8	0	22.69	22.66	22.81			
3	QPSK	8	4	22.59	22.62	22.72	23.8	1	
3	QPSK	8	7	22.61	22.64	22.68			
3	QPSK	15	0	22.65	22.69	22.72			
3	16QAM	1	0	23.12	23.17	23.17			
3	16QAM	1	8	23.21	22.97	22.74	23.8	1	
3	16QAM	1	14	23.04	22.78	22.99			
3	16QAM	8	0	21.74	21.63	21.71			
3	16QAM	8	4	21.67	21.66	21.62	22.8	2	
3	16QAM	8	7	21.62	21.65	21.71			
3	16QAM	15	0	21.73	21.74	21.77			
3	64QAM	1	0	21.71	21.95	21.83			
3	64QAM	1	8	21.77	21.74	21.84	22.8	2	
3	64QAM	1	14	21.95	21.89	21.47			
3	64QAM	8	0	20.72	20.66	20.75			
3	64QAM	8	4	20.58	20.62	20.67	21.8	3	
3	64QAM	8	7	20.62	20.56	20.68			
3	64QAM	15	0	20.58	20.66	20.71			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.75	23.39	23.71			
1.4	QPSK	1	3	23.80	23.58	23.71	24.8	0	
1.4	QPSK	1	5	23.70	23.76	23.80			
1.4	QPSK	3	0	23.60	23.67	23.66			
1.4	QPSK	3	1	23.66	23.55	23.76			
1.4	QPSK	3	3	23.64	23.55	23.73	23.8	1	
1.4	QPSK	6	0	22.62	22.65	22.77			
1.4	16QAM	1	0	23.15	22.74	22.68			
1.4	16QAM	1	3	22.89	22.89	23.28	23.8	1	
1.4	16QAM	1	5	23.11	23.15	23.16			
1.4	16QAM	3	0	22.65	22.67	22.65			
1.4	16QAM	3	1	22.63	22.69	22.54			
1.4	16QAM	3	3	22.70	22.63	22.72	22.8	2	
1.4	16QAM	6	0	21.65	21.83	21.81			
1.4	64QAM	1	0	21.89	21.78	21.96			
1.4	64QAM	1	3	22.01	21.92	22.12	22.8	2	
1.4	64QAM	1	5	21.42	21.65	21.85			
1.4	64QAM	3	0	21.62	21.86	21.85			
1.4	64QAM	3	1	21.72	21.78	21.83			
1.4	64QAM	3	3	21.44	21.74	21.87	21.8	3	
1.4	64QAM	6	0	20.60	20.60	20.70			

Band 7 Ant 1_Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.14	23.31	23.17			
20	QPSK	1	49	23.33	23.47	23.38	23.6	0	
20	QPSK	1	99	23.31	23.36	23.33			
20	QPSK	50	0	22.27	22.48	22.45			
20	QPSK	50	24	22.36	22.44	22.42	22.6	1	
20	QPSK	50	50	22.41	22.46	22.44			
20	QPSK	100	0	22.32	22.41	22.37			
20	16QAM	1	0	22.40	22.47	22.45			
20	16QAM	1	49	22.60	22.70	22.66	22.6	1	
20	16QAM	1	99	22.56	22.63	22.70			
20	16QAM	50	0	21.21	21.44	21.39			
20	16QAM	50	24	21.36	21.38	21.42	21.6	2	
20	16QAM	50	50	21.42	21.40	21.42			
20	16QAM	100	0	21.29	21.34	21.39			
20	64QAM	1	0	21.22	21.48	21.28			
20	64QAM	1	49	21.50	21.54	21.52	21.6	2	
20	64QAM	1	99	21.45	21.46	21.60			
20	64QAM	50	0	20.26	20.42	20.38			
20	64QAM	50	24	20.35	20.39	20.40			
20	64QAM	50	50	20.43	20.41	20.43	20.6	3	
20	64QAM	100	0	20.30	20.34	20.37			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	25350	2562.5			
15	QPSK	1	0	23.15	23.23	23.20			
15	QPSK	1	37	23.23	23.37	23.44	23.6	0	
15	QPSK	1	74	23.30	23.36	23.42			
15	QPSK	36	0	22.22	22.35	22.39			
15	QPSK	36	20	22.24	22.33	22.44	22.6	1	
15	QPSK	36	36	22.37	22.31	22.51			
15	QPSK	75	0	22.27	22.36	22.44			
15	16QAM	1	0	22.37	22.53	22.43			
15	16QAM	1	37	22.49	22.67	22.70	22.6	1	
15	16QAM	1	74	22.51	22.61	22.69			
15	16QAM	36	0	21.20	21.37	21.40			
15	16QAM	36	20	21.26	21.38	21.43	21.6	2	
15	16QAM	36	36	21.40	21.35	21.48			
15	16QAM	75	0	21.27	21.31	21.43			
15	64QAM	1	0	21.31	21.42	21.46			
15	64QAM	1	37	21.41	21.54	21.53	21.6	2	
15	64QAM	1	74	21.48	21.43	21.59			
15	64QAM	36	0	20.25	20.38	20.40			
15	64QAM	36	20	20.32	20.38	20.43	20.6	3	
15	64QAM	36	36	20.39	20.35	20.53			
15	64QAM	75	0	20.45	20.49	20.59			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	25350	25650			
10	QPSK	1	0	23.21	23.26	23.31			
10	QPSK	1	25	23.20	23.37	23.35	23.6	0	
10	QPSK	1	49	23.27	23.32	23.46			
10	QPSK	25	0	22.24	22.37	22.50			
10	QPSK	25	12	22.24	22.33	22.48	22.6	1	
10	QPSK	25	25	22.29	22.39	22.53			
10	QPSK	50	0	22.28	22.37	22.52			
10	16QAM	1	0	22.45	22.58	22.61			
10	16QAM	1	25	22.50	22.62	22.69	22.6	1	
10	16QAM	1	49	22.57	22.67	22.73			
10	16QAM	25	0	21.22	21.37	21.50			
10	16QAM	25	12	21.22	21.37	21.48	21.6	2	
10	16QAM	25	25	21.37	21.41	21.54			
10	16QAM	50	0	21.25	21.39	21.49			
10	64QAM	1	0	21.38	21.52	21.51			
10	64QAM	1	25	21.33	21.54	21.65	21.6	2	
10	64QAM	1	49	21.39	21.51	21.65			
10	64QAM	25	0	20.28	20.38	20.49			
10	64QAM	25	12	20.27	20.38	20.46	20.6	3	
10	64QAM	25	25	20.35	20.38	20.48			
10	64QAM	50	0	20.34	20.37	20.47	20.6	3	
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	25350	2567.5			
5	QPSK	1	0	23.22	23.32	23.44			
5	QPSK	1	12	23.26	23.34	23.41	23.6	0	
5	QPSK	1	24	23.24	23.39	23.31			
5	QPSK	12	0	22.25	22.40	22.52			
5	QPSK	12	7	22.25	22.35	22.52	22.6	1	
5	QPSK	1	13	22.29	22.36	22.51			
5	QPSK	25	0	22.23	22.36	22.52			
5	16QAM	1	0	22.45	22.65	22.70			
5	16QAM	1	12	22.52	22.64	22.77	22.6	1	
5	16QAM	1	24	22.54	22.66	22.74			
5	16QAM	12	0	21.23	21.37	21.53			
5	16QAM	12	7	21.25	21.36	21.48	21.6	2	
5	16QAM	12	13	21.21	21.28	21.48			
5	16QAM	25	0	21.28	21.34	21.52			
5	64QAM	1	0	21.35	21.47	21.61			
5	64QAM	1	12	21.41	21.53	21.64	21.6	2	
5	64QAM	1	24	21.40	21.52	21.64			
5	64QAM	12	0	20.30	20.37	20.53			
5	64QAM	12	7	20.28	20.36	20.50	20.6	3	
5	64QAM	12	13	20.27	20.39	20.55			
5	64QAM	25	0	20.29	20.33	20.52			



Band 13 Ant 1_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				23230					
Frequency (MHz)									
10	QPSK	1	0		23.40		24.3	0	
10	QPSK	1	25		23.41				
10	QPSK	1	49		23.36				
10	QPSK	25	0		22.35		23.3	1	
10	QPSK	25	12		22.33				
10	QPSK	25	25		22.32				
10	QPSK	50	0		22.36		23.3	1	
10	16QAM	1	0		22.68				
10	16QAM	1	25		22.73				
10	16QAM	1	49		22.75		22.3	2	
10	16QAM	25	0		21.20				
10	16QAM	25	12		21.36				
10	16QAM	25	25		21.46		21.3	3	
10	16QAM	50	0		21.36				
10	64QAM	1	0		21.48				
10	64QAM	1	25		21.55		22.3	2	
10	64QAM	1	49		21.54				
10	64QAM	25	0		20.21				
10	64QAM	25	12		20.36		21.3	3	
10	64QAM	25	25		20.43				
10	64QAM	50	0		20.32				
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	0	23.35	23.37	23.36	24.3	0	
5	QPSK	1	12	23.31	23.37	23.38			
5	QPSK	1	24	23.32	23.36	23.39			
5	QPSK	12	0	22.31	22.32	22.43	23.3	1	
5	QPSK	12	7	22.38	22.37	22.35			
5	QPSK	12	13	22.39	22.33	22.49			
5	QPSK	25	0	22.35	22.35	22.40	23.3	1	
5	16QAM	1	0	22.75	22.71	22.62			
5	16QAM	1	12	22.75	22.72	22.77			
5	16QAM	1	24	22.73	22.76	22.83	22.3	2	
5	16QAM	12	0	21.29	21.32	21.38			
5	16QAM	12	7	21.38	21.35	21.36			
5	16QAM	12	13	21.39	21.32	21.43	22.3	2	
5	16QAM	25	0	21.37	21.36	21.38			
5	64QAM	1	0	21.60	21.58	21.55			
5	64QAM	1	12	21.65	21.57	21.62	22.3	2	
5	64QAM	1	24	21.51	21.53	21.55			
5	64QAM	12	0	20.31	20.33	20.44			
5	64QAM	12	7	20.40	20.38	20.37	21.3	3	
5	64QAM	12	13	20.42	20.34	20.47			
5	64QAM	25	0	20.35	20.36	20.35			

Band 17 Ant 1_Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)		
Channel				23760	23790	23800				
Frequency (MHz)				710	712	713				
10	QPSK	1	0	23.70	23.74	23.69	24.8	0		
10	QPSK	1	25	23.80	23.69	23.75				
10	QPSK	1	49	23.79	23.83	23.75				
10	QPSK	25	0	22.77	22.89	22.74	23.8	1		
10	QPSK	25	12	22.74	22.84	22.77				
10	QPSK	25	25	22.78	22.82	22.75				
10	QPSK	50	0	22.79	22.86	22.77	23.8	1		
10	16QAM	1	0	22.97	23.13	22.91				
10	16QAM	1	25	23.03	23.25	23.04				
10	16QAM	1	49	23.03	23.27	23.08	22.8	2		
10	16QAM	25	0	21.77	21.88	21.77				
10	16QAM	25	12	21.75	21.87	21.73				
10	16QAM	25	25	21.76	21.83	21.74	22.8	2		
10	16QAM	50	0	21.76	21.82	21.73				
10	64QAM	1	0	21.75	21.89	21.79				
10	64QAM	1	25	21.88	22.09	21.82	21.8	3		
10	64QAM	1	49	21.89	22.00	21.82				
10	64QAM	25	0	20.72	20.83	20.74				
10	64QAM	25	12	20.72	20.82	20.70	20.75	20.81	20.73	
10	64QAM	25	25	20.70	20.81	20.73				
10	64QAM	50	0	20.75	20.82	20.74				
Channel				23755	23790	23825	706.5			
Frequency (MHz)				709.5	712	713				
5	QPSK	1	0	23.69	23.76	23.68	24.8	0		
5	QPSK	1	12	23.77	23.77	23.75				
5	QPSK	1	24	23.80	23.75	23.77				
5	QPSK	12	0	22.75	22.76	22.73	23.8	1		
5	QPSK	12	7	22.75	22.72	22.69				
5	QPSK	12	13	22.77	22.69	22.69				
5	QPSK	25	0	22.74	22.73	22.73	23.8	1		
5	16QAM	1	0	23.10	23.10	23.06				
5	16QAM	1	12	23.11	23.12	23.03				
5	16QAM	1	24	23.16	23.09	23.11	22.8	2		
5	16QAM	12	0	21.74	21.74	21.72				
5	16QAM	12	7	21.73	21.73	21.70				
5	16QAM	12	13	21.76	21.68	21.66	22.8	2		
5	16QAM	25	0	21.74	21.75	21.77				
5	64QAM	1	0	21.87	21.93	21.91				
5	64QAM	1	12	21.94	21.95	21.92	21.8	3		
5	64QAM	1	24	21.97	21.88	21.98				
5	64QAM	12	0	20.77	20.77	20.72				
5	64QAM	12	7	20.78	20.70	20.73	20.74	20.68	20.69	
5	64QAM	12	13	20.74	20.68	20.69				
5	64QAM	25	0	20.74	20.72	20.70				
Channel				23755	23790	23825	706.5			
Frequency (MHz)										

Band 25 Ant 1_Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)		
Channel				26115			1857.5			
Frequency (MHz)										
20	QPSK	1	0	23.41	23.46	23.24	24.3	0		
20	QPSK	1	49	23.47	23.54	23.35				
20	QPSK	1	99	23.27	23.29	23.25				
20	QPSK	50	0	22.52	22.58	22.41	23.3	1		
20	QPSK	50	24	22.47	22.53	22.40				
20	QPSK	50	50	22.43	22.49	22.38				
20	QPSK	100	0	22.44	22.49	22.43	23.3	1		
20	16QAM	1	0	22.72	22.67	22.50				
20	16QAM	1	49	22.72	22.78	22.65				
20	16QAM	1	99	22.58	22.57	22.48	22.3	2		
20	16QAM	50	0	21.48	21.50	21.43				
20	16QAM	50	24	21.48	21.50	21.39				
20	16QAM	50	50	21.45	21.48	21.40	21.3	3		
20	16QAM	100	0	21.43	21.47	21.44				
20	64QAM	1	0	21.61	21.55	21.39				
20	64QAM	1	49	21.66	21.67	21.52	22.3	2		
20	64QAM	1	99	21.41	21.36	21.26				
20	64QAM	50	0	20.46	20.50	20.42				
20	64QAM	50	24	20.46	20.50	20.38	20.44	20.37	20.36	
20	64QAM	50	50	20.41	20.37	20.36				
20	64QAM	100	0	20.42	20.45	20.39				
Channel				26115	26340	26615	1857.5			
Frequency (MHz)										
15	QPSK	1	0	23.49	23.44	23.24	24.3	0		
15	QPSK	1	37	23.43	23.42	23.33				
15	QPSK	1	74	23.39	23.36	23.33				
15	QPSK	36	0	22.46	22.52	22.33	23.3	1		
15	QPSK	36	20</							



Band 25 Ant 4_Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.31	22.30	22.14	23.3	0	
20	QPSK	1	49	22.35	22.37	22.25			
20	QPSK	1	99	22.15	22.23	22.11			
20	QPSK	50	0	21.35	21.36	21.27			
20	QPSK	50	24	21.32	21.31	21.25	22.3	1	
20	QPSK	50	50	21.32	21.33	21.21			
20	QPSK	100	0	21.34	21.35	21.23			
20	16QAM	1	0	21.56	21.62	21.43			
20	16QAM	1	49	21.64	21.65	21.48	22.3	1	
20	16QAM	1	99	21.48	21.48	21.30			
20	16QAM	50	0	20.40	20.36	20.24			
20	16QAM	50	24	20.41	20.38	20.22			
20	16QAM	50	50	20.35	20.27	20.20	21.3	2	
20	16QAM	100	0	20.30	20.33	20.19			
20	64QAM	1	0	20.41	20.50	20.30			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	20.3	3	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	21.3	2	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	20.3	3	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	21.3	2	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	20.3	3	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	21.3	2	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	20.3	3	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	21.3	2	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	20.3	3	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	21.3	2	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	20.3	3	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	21.3	2	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	20.3	3	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	21.3	2	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	20.3	3	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	21.3	2	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	20.3	3	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	21.3	2	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	20.3	3	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	21.3	2	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	20.3	3	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	21.3	2	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	20.3	3	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	21.3	2	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	20.3	3	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	21.3	2	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	20.3	3	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	21.3	2	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	20.3	3	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	21.3	2	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	20.3	3	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	21.3	2	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	20.3	3	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	21.3	2	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	20.3	3	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	21.3	2	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	20.3	3	
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17			
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21	21.3	2	
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15			
20	64QAM	50	0	19.37	19.34	19.22			
20	64QAM	50	24	19.36	19.33	19.17	20.3	3	
20	64QAM	50	50	19.28	19.30	19.14			
20	64QAM	100	0	19.30	19.32	19.21			
20	64QAM	1	49	20.44	20.48	20.45			
20	64QAM	1	99	20.31	20.34	20.15	21.3	2	
20	64QAM	50	0	19.37</					



Band 66 Ant 1_Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				132072	132322	132672						
20	QPSK	1	0	23.30	23.38	23.29	24.3	0				
20	QPSK	1	49	23.38	23.45	23.37						
20	QPSK	1	99	23.19	23.28	23.16						
20	QPSK	50	0	22.40	22.46	22.36						
20	QPSK	50	24	22.34	22.36	22.32	23.3	1				
20	QPSK	50	50	22.28	22.40	22.36						
20	QPSK	100	0	22.35	22.37	22.31						
20	16QAM	1	0	22.65	22.65	22.66						
20	16QAM	1	49	22.71	22.77	22.70	23.3	1				
20	16QAM	1	99	22.56	22.62	22.52						
20	16QAM	50	0	21.31	21.33	21.33						
20	16QAM	50	24	21.35	21.41	21.38						
20	16QAM	50	50	21.24	21.40	21.25	22.3	2				
20	16QAM	100	0	21.29	21.33	21.31						
20	64QAM	1	0	21.52	21.52	21.59						
20	64QAM	1	49	21.56	21.55	21.52						
20	64QAM	1	99	21.31	21.44	21.37	21.3	3				
20	64QAM	50	0	20.30	20.30	20.29						
20	64QAM	50	24	20.34	20.42	20.35						
20	64QAM	50	50	20.25	20.36	20.24						
20	64QAM	100	0	20.30	20.32	20.27	21.3	3				
Channel												
Frequency (MHz)				132047	132322	132697				Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.33	23.41	23.34	24.3	0				
15	QPSK	1	37	23.39	23.39	23.37						
15	QPSK	1	74	23.28	23.25	23.35						
15	QPSK	36	0	22.29	22.38	22.33						
15	QPSK	36	20	22.33	22.40	22.45	23.3	1				
15	QPSK	36	39	22.31	22.27	22.32						
15	QPSK	75	0	22.31	22.34	22.41						
15	16QAM	1	0	22.70	22.76	22.64						
15	16QAM	1	37	22.76	22.72	22.74	23.3	1				
15	16QAM	1	74	22.65	22.58	22.62						
15	16QAM	36	0	21.31	21.40	21.33						
15	16QAM	36	20	21.35	21.41	21.46						
15	16QAM	36	39	21.31	21.31	21.36	22.3	2				
15	16QAM	75	0	21.33	21.34	21.36						
15	64QAM	1	0	21.55	21.56	21.48						
15	64QAM	1	37	21.58	21.57	21.52						
15	64QAM	1	74	21.42	21.46	21.55	22.3	2				
15	64QAM	36	0	20.34	20.40	20.37						
15	64QAM	36	20	20.36	20.41	20.43						
15	64QAM	36	39	20.31	20.29	20.38						
15	64QAM	75	0	20.32	20.33	20.31	21.3	3				
Channel												
Frequency (MHz)				131977	132322	132647				Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.36	23.40	23.43	24.3	0				
10	QPSK	1	25	23.35	23.37	23.41						
10	QPSK	1	49	23.32	23.32	23.42						
10	QPSK	25	0	22.33	22.41	22.41						
10	QPSK	25	12	22.36	22.40	22.45	23.3	1				
10	QPSK	25	25	22.33	22.40	22.33						
10	QPSK	50	0	22.40	22.43	22.45						
10	16QAM	1	0	22.68	22.77	22.76						
10	16QAM	1	25	22.67	22.73	22.72	23.3	1				
10	16QAM	1	49	22.68	22.66	22.70						
10	16QAM	25	0	21.32	21.41	21.45						
10	16QAM	25	12	21.39	21.42	21.46						
10	16QAM	25	25	21.38	21.39	21.34	22.3	2				
10	16QAM	50	0	21.37	21.40	21.46						
10	64QAM	1	0	21.53	21.58	21.58						
10	64QAM	1	25	21.52	21.57	21.53						
10	64QAM	1	49	21.46	21.45	21.56	22.3	2				
10	64QAM	25	0	20.35	20.37	20.46						
10	64QAM	25	12	20.36	20.40	20.45						
10	64QAM	25	25	20.34	20.37	20.30						
10	64QAM	50	0	20.36	20.41	20.43	21.3	3				
Channel												
Frequency (MHz)				131997	132322	132647				Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.42	23.44	23.42	24.3	0				
5	QPSK	1	12	23.35	23.42	23.40						
5	QPSK	1	24	23.34	23.40	23.37						
5	QPSK	12	0	22.40	22.45	22.55						
5	QPSK	12	7	22.38	22.38	22.45	23.3	1				
5	QPSK	12	13	22.37	22.35	22.39						
5	QPSK	25	0	22.36	22.38	22.41						
5	16QAM	1	0	22.73	22.74	22.78						
5	16QAM	1	12	22.69	22.74	22.76	23.3	1				
5	16QAM	1	24	22.71	22.74	22.75						
5	16QAM	12	0	21.39	21.46	21.52						
5	16QAM	12	7	21.33	21.36	21.46						
5	16QAM	12	13	21.35	21.35	21.36	22.3	2				
5	16QAM	25	0	21.39	21.40	21.46						
5	64QAM	1	0	21.58	21.60	21.60						
5	64QAM	1	12	21.54	21.57	21.63						
5	64QAM	1	24	21.52	21.54	21.60	22.3	2				
5	64QAM	12	0	20.45	20.43	20.55						
5	64QAM	12	7	20.37	20.38	20.48						
5	64QAM	12	13	20.34	20.38	20.40						
5	64QAM	25	0	20.35	20.38	20.43	21.3	3				
Channel												
Frequency (MHz)				131987	132322	132657				Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.37	23.38	23.38	24.3	0				
3	QPSK	1	8	23.35	23.36	23.44						
3	QPSK	1	14	23.33	23.34	23.43						
3	QPSK	8	0	22.36	22.39	22.43						
3	QPSK	8	4	22.36	22.35	22.41	23.3	1				
3	QPSK	8	7	22.34	22.34	22.42						
3	QPSK	15	0	22.33	22.37	22.45						
3	16QAM	1	0	22.75	22.76	22.72						
3	16QAM	1	8	22.72	22.64	22.71	23.3	1				
3	16QAM	1	14	22.65	22.62	22.65						
3	16QAM	8	0	21.44	21.45	21.49						
3	16QAM	8	4	21.42	21.43	21.52						
3	16QAM	8	7	21.39	21.39	21.49	22.3	2				
3	16QAM	15	0	21.35	21.39	21.49						
3	64QAM	1	0	21.53	21.58	21.55						
3	64QAM	1	8	21.54	21.52	21.58						
3	64QAM	1	14	21.49	21.52	21.56	22.3	2				
3	64QAM	8	0	20.37	20.42	20.44						
3	64QAM	8	4	20.39	20.36	20.45						
3	64QAM	8	7	20.37	20.39	20.47						
3	64QAM	15	0	20.36	20.32	20.43	21.3	3				
Channel												
Frequency (MHz)				131979	132322	132655				Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.34	23.37	23.43	24.3	0				
1.4	QPSK	1	3	23.34	23.37	23.43						
1.4	QPSK	1	5	23.34	23.35	23.40						
1.4	QPSK	3	0	23.37	23.41	23.41						
1.4	QPSK	3	1	23.40	23.40	23.36	23.3	1				
1.4	QPSK	3	3	23.38	23.38	23.37						
1.4	QPSK	6	0	22.41	22.41	22.46						
1.4	16QAM	1	0	22.62	22.68	22.65						
1.4	16QAM	1	3	22.64	22.70	22.73	23.3	1				
1.4	16QAM	1	5	22.67	22.66	22.74						
1.4	16QAM	3	0	22.42	22.41	22.52						
1.4	16QAM	3	1	22.37	22.43	22.48						
1.4	16QAM	3	3	22.38	22.38	22.47	22.3	2				
1.4	16QAM	6	0	21.55	21.46	21.51						
1.4	64QAM	1	0	21.61	21.63	21.64						
1.4	64QAM	1	3	21.62	21.55	21.62						
1.4	64QAM	1	5	21.56	21.57	21.66	22.3	2				
1.4	64QAM	3	0	21.48	21.55	21.56						
1.4	64QAM	3	1	21.49	21.50	21.55						
1.4	64QAM	3	3	21.48	21.46	21.57						
1.4	64QAM	6	0	20.33	20.35	20.42	21.3	3				

Band 38 Ant 1_Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	23.650	23.650	23.650	23.8	0
20	QPSK	1	49	23.90	23.91	23.91		
20	QPSK	1	99	23.37	23.41	23.32		
20	QPSK	50	0	22.49	22.50	22.41	22.8	1
20	QPSK	50	24	22.42	22.45	22.38		
20	QPSK	50	50	22.46	22.48	22.40		
20	QPSK	100	0	22.41	22.43	22.37	22.8	1
20	16QAM	1	0	22.43	22.38	22.40		
20	16QAM	1	49	22.63	22.62	22.62		
20	16QAM	1	99	22.63	22.64	22.61	21.8	2
20	16QAM	50	0	21.48	21.47	21.52		
20	16QAM	50	24	21.56	21.57	21.49		
20	16QAM	50	50	21.55	21.54	21.44	21.8	2
20	16QAM	100	0	21.52	21.46	21.52		
20	16QAM	1	0	21.09	21.07	21.07		
20	64QAM	1	49	21.27	21.27	21.26	20.8	2
20	64QAM	1	99	21.26	21.15	21.13		
20	64QAM	50	0	20.38	20.49	20.39		
20	64QAM	50	24	20.51	20.52	20.45	20.8	3
20	64QAM	50	50	20.57	20.48	20.43		
20	64QAM	100	0	20.48	20.50	20.45		
Channel								
Frequency (MHz)								
15	QPSK	1	0	23.38	23.44	23.44	23.8	0
15	QPSK	1	37	23.47	23.46	23.48		
15	QPSK	1	74	23.41	23.44	23.38		
15	QPSK	36	0	22.44	22.50	22.50	22.8	1
15	QPSK	36	20	22.50	22.42	22.47		
15	QPSK	36	39	22.39	22.45	22.47		
15	QPSK	75	0	22.48	22.49	22.42	22.8	1
15	16QAM	1	0	22.47	22.43	22.42		
15	16QAM	1	37	22.49	22.44	22.42		
15	16QAM	1	74	22.52	22.53	22.46	21.8	2
15	16QAM	36	0	21.58	21.53	21.58		
15	16QAM	36	20	21.57	21.57	21.52		
15	16QAM	36	39	21.39	21.42	21.42	21.8	2
15	16QAM	75	0	21.40	21.43	21.43		
15	64QAM	1	0	21.43	21.47	21.37		
15	64QAM	1	37	21.51	21.45	21.44	21.8	2
15	64QAM	1	74	21.13	21.21	21.12		
15	64QAM	36	0	20.21	20.22	20.22		
15	64QAM	36	20	20.27	20.22	20.19	20.8	3
15	64QAM	36	39	20.41	20.40	20.40		
15	64QAM	75	0	20.47	20.48	20.44		
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.650	23.650	23.650	23.8	0
10	QPSK	1	25	23.43	23.46	23.44		
10	QPSK	1	49	23.41	23.44	23.47		
10	QPSK	25	0	22.43	22.48	22.43	22.8	1
10	QPSK	25	12	22.48	22.44	22.43		
10	QPSK	25	25	22.48	22.45	22.49		
10	QPSK	50	0	22.50	22.46	22.44	22.8	1
10	16QAM	1	0	22.49	22.49	22.49		
10	16QAM	1	25	22.51	22.59	22.52		
10	16QAM	1	49	22.55	22.59	22.54	21.8	2
10	16QAM	25	0	21.51	21.48	21.48		
10	16QAM	25	12	21.52	21.50	21.49		
10	16QAM	25	25	21.57	21.49	21.48	21.8	2
10	16QAM	50	0	21.48	21.54	21.45		
10	16QAM	1	0	21.19	21.50	21.18		
10	64QAM	1	25	21.20	21.24	21.24	21.8	2
10	64QAM	1	49	21.23	21.22	21.21		
10	64QAM	25	0	20.52	20.52	20.51		
10	64QAM	25	12	20.48	20.47	20.50	20.8	3
10	64QAM	25	25	20.55	20.54	20.49		
10	64QAM	50	0	20.43	20.53	20.46		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.650	23.650	23.650	23.8	0
5	QPSK	1	12	23.46	23.49	23.42		
5	QPSK	1	24	23.44	23.47	23.47		
5	QPSK	12	0	22.51	22.50	22.47	22.8	1
5	QPSK	12	7	22.43	22.45	22.50		
5	QPSK	12	13	22.43	22.48	22.47		
5	QPSK	25	0	22.43	22.56	22.47	22.8	1
5	16QAM	1	0	22.50	22.59	22.61		
5	16QAM	1	12	22.53	22.58	22.57		
5	16QAM	1	24	22.51	22.53	22.55	21.8	2
5	16QAM	12	0	21.46	21.48	21.44		
5	16QAM	12	7	21.41	21.39	21.40		
5	16QAM	12	13	21.36	21.40	21.43	21.8	2
5	16QAM	25	0	21.43	21.51	21.53		
5	64QAM	1	0	21.29	21.26	21.27		
5	64QAM	1	12	21.27	21.27	21.27	21.8	2
5	64QAM	1	24	21.24	21.19	21.22		
5	64QAM	12	0	20.45	20.50	20.42		
5	64QAM	12	7	20.41	20.42	20.42	20.8	3
5	64QAM	12	13	20.48	20.41	20.37		
5	64QAM	25	0	20.51	20.54	20.52		

Band 41 Ant 1_Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)									
				39750	40185	40620	41055	41490	
				2658	26845	2693	26855	26860	
20	QPSK	1	0	22.29	22.39	22.41	22.40	22.35	
20	QPSK	1	49	22.44	22.49	22.58	22.47	22.47	23.8
20	QPSK	1	99	22.46	22.50	22.52	22.51	22.51	
20	QPSK	50	0	21.64	21.66	21.72	21.60	21.54	
20	QPSK	50	24	21.60	21.63	21.70	21.58	21.58	
20	QPSK	50	50	21.48	21.50	21.60	21.57	21.52	22.8
20	QPSK	100	0	21.48	21.52	21.64	21.56	21.54	
20	16QAM	1	0	21.48	21.51	21.64	21.55	21.52	
20	16QAM	1	49	21.64	21.70	21.81	21.71	21.69	22.8
20	16QAM	1	99	21.59	21.67	21.59	21.64	21.57	
20	16QAM	50	0	20.49	20.50	20.59	20.48	20.57	
20	16QAM	50	24	20.57	20.57	20.70	20.63	20.59	
20	16QAM	50	50	20.61	20.55	20.68	20.64	20.57	21.8
20	16QAM	100	0	20.55	20.57	20.64	20.62	20.61	
20	64QAM	1	0	20.16	20.21	20.27	20.19	20.16	
20	64QAM	1	49	20.32	20.32	20.47	20.35	20.31	21.8
20	64QAM	1	99	20.27	20.27	20.31	20.23	20.21	
20	64QAM	50	0	19.47	19.45	19.58	19.58	19.58	
20	64QAM	50	24	19.55	19.55	19.66	19.57	19.54	
20	64QAM	50	50	19.55	19.60	19.63	19.61	19.56	20.8
20	64QAM	100	0	19.46	19.48	19.68	19.54	19.48	
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.31	22.45	22.33	22.36	22.34	
15	QPSK	1	37	22.50	22.54	22.56	22.38	22.52	24
15	QPSK	1	74	22.41	22.53	22.41	22.48	22.37	
15	QPSK	36	0	21.45	21.57	21.52	21.47	21.53	
15	QPSK	36	20	21.65	21.67	21.63	21.51	21.67	22.8
15	QPSK	36	39	21.50	21.67	21.65	21.57	21.48	
15	QPSK	75	0	21.55	21.70	21.69	21.60	21.51	
15	16QAM	1	0	21.59	21.64	21.62	21.51	21.63	
15	16QAM	1	37	21.65	21.62	21.77	21.64	21.63	22.8
15	16QAM	1	74	21.68	21.66	21.62	21.64	21.57	
15	16QAM	36	0	20.48	20.56	20.47	20.45	20.42	
15	16QAM	36	20	20.46	20.59	20.58	20.52	20.51	21.8
15	16QAM	36	39	20.56	20.58	20.54	20.47	20.52	
15	16QAM	75	0	20.61	20.61	20.66	20.57	20.56	21.8
15	64QAM	1	0	20.23	20.32	20.29	20.20	20.19	
15	64QAM	1	37	20.37	20.46	20.33	20.23	20.26	21.8
15	64QAM	1	74	20.29	20.37	20.32	20.23	20.24	
15	64QAM	36	0	19.43	19.59	19.58	19.47	19.41	
15	64QAM	36	20	19.47	19.69	19.52	19.51	19.45	20.8
15	64QAM	36	39	19.57	19.61	19.53	19.46	19.51	
15	64QAM	75	0	19.53	19.55	19.50	19.48	19.45	
Channel									
Frequency (MHz)									
				39750	40160	40620	41080	41540	
				2554	2547	2553	2533	2558	
10	QPSK	1	0	22.21	22.42	22.33	22.31	22.36	
10	QPSK	1	25	22.46	22.48	22.50	22.33	22.44	24
10	QPSK	1	49	22.46	22.39	22.39	22.42	22.35	
10	QPSK	25	0	21.34	21.48	21.42	21.43	21.45	
10	QPSK	25	12	21.45	21.56	21.42	21.45	21.48	22.8
10	QPSK	25	25	21.47	21.60	21.58	21.55	21.51	
10	QPSK	50	0	21.44	21.68	21.48	21.51	21.50	
10	QPSK	50	25	21.58	21.71	21.52	21.47	21.50	
10	16QAM	1	0	21.53	21.73	21.66	21.61	21.60	22.8
10	16QAM	1	25	21.51	21.54	21.48	21.51	21.50	
10	16QAM	25	0	20.42	20.49	20.44	20.34	20.28	
10	16QAM	25	12	20.42	20.44	20.44	20.40	20.43	21.8
10	16QAM	25	25	20.43	20.50	20.44	20.38	20.43	
10	16QAM	50	0	20.52	20.47	20.65	20.59	20.51	
10	16QAM	50	25	20.52	20.51	20.68	20.61	20.54	22.8
10	64QAM	1	0	20.29	20.36	20.23	20.20	20.28	21.8
10	64QAM	1	49	20.17	20.23	20.20	20.24	20.09	
10	64QAM	25	0	19.41	19.50	19.50	19.35	19.34	
10	64QAM	25	12	19.45	19.67	19.42	19.39	19.35	20.8
10	64QAM	25	25	19.55	19.48	19.46	19.37	19.35	
10	64QAM	50	0	19.40	19.54	19.48	19.47	19.38	
Channel									
Frequency (MHz)									
				26855	26845	2693	26440	26975	
5	QPSK	1	0	22.50	22.55	22.54	22.48	22.49	
5	QPSK	1	12	22.44	22.55	22.47	22.40	22.45	24
5	QPSK	12	0	21.61	21.68	21.62	21.50	21.61	
5	QPSK	12	7	21.61	21.60	21.63	21.54	21.58	22.8
5	QPSK	1	12	21.70	21.69	21.62	21.54	21.56	
5	QPSK	25	0	21.56	21.63	21.65	21.57	21.57	
5	16QAM	1	0	21.59	21.69	21.69	21.64	21.73	
5	16QAM	1	12	21.70	21.77	21.84	21.67	21.73	22.8
5	16QAM	12	0	20.43	20.62	20.58	20.51	20.56	
5	16QAM	12	7	20.53	20.60	20.57	20.48	20.52	21.8
5	16QAM	25	0	20.48	20.59	20.56	20.48	20.50	
5	64QAM	1	0	20.55	20.72	20.66	20.61	20.56	
5	64QAM	1	12	20.38	20.47	20.44	20.29	20.35	21.8
5	64QAM	12	0	20.32	20.42	20.40	20.34	20.36	
5	64QAM	25	0	19.57	19.67	19.61	19.52	19.57	
5	64QAM	12	7	19.58	19.66	19.58	19.54	19.57	
5	64QAM	25	0	19.63	19.66	19.57	19.50	19.52	20.8
5	64QAM	25	0	19.63	19.71	19.59	19.61	19.57	

Band 41 Ant 4 Default													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mode Ch / Freq	Power High Mode Ch / Freq	Power High Ch / Freq	Turn-up Int. (dBm)	MPR (dB)				
Channel				39750	40185	40620	41055	41490					
Frequency (MHz)				2499	2548.5	2593	2637.5	2682					
20	QPSK	1	0	19.67	19.77	19.78	19.48	19.23	20.3	0			
20	QPSK	1	49	19.75	19.78	19.79	19.60	19.36					
20	QPSK	1	99	19.66	19.68	19.71	19.68	19.29					
20	QPSK	50	0	19.91	19.93	19.89	19.80	19.65					
20	QPSK	50	24	19.90	19.87	19.86	19.73	19.57	19.3	1			
20	QPSK	50	50	19.90	19.88	19.84	19.70	19.56					
20	QPSK	100	0	19.89	19.89	19.82	19.72	19.55					
20	16QAM	1	0	19.92	19.95	19.94	19.70	19.43					
20	16QAM	1	49	19.98	19.97	19.94	19.82	19.66	19.3	1			
20	16QAM	1	99	19.89	19.88	19.88	19.75	19.54					
20	16QAM	50	0	17.76	17.92	17.79	17.75	17.43					
20	16QAM	50	24	17.87	18.02	17.90	17.73	17.57					
20	16QAM	50	50	17.90	18.00	17.86	17.69	17.53	18.3	2			
20	16QAM	100	0	17.84	17.89	17.85	17.60	17.45					
20	64QAM	1	0	17.47	17.65	17.45	17.24	17.14					
20	64QAM	1	49	17.64	17.77	17.63	17.46	17.31					
20	64QAM	1	99	17.53	17.56	17.47	17.36	17.15	17.3	3			
20	64QAM	50	0	16.76	16.99	16.78	16.73	16.44					
20	64QAM	50	24	16.85	16.96	16.81	16.70	16.48					
20	64QAM	50	50	16.89	16.95	16.82	16.71	16.47					
20	64QAM	100	0	16.92	16.99	16.83	16.73	16.53					
Channel				2503.5	2544.3	2593	2637.8	2682.5	Turn-up Int. (dBm)			MPR (dB)	
Frequency (MHz)				2503.5	2544.3	2593	2637.8	2682.5					
15	QPSK	1	0	19.48	19.64	19.47	19.39	19.12	20.30	0			
15	QPSK	1	37	19.61	19.60	19.55	19.44	19.26					
15	QPSK	1	74	19.54	19.57	19.53	19.30	19.13					
15	QPSK	36	0	19.59	19.74	19.68	19.51	19.27					
15	QPSK	36	20	19.64	19.80	19.70	19.55	19.40	19.3	1			
15	QPSK	36	39	19.74	19.80	19.67	19.53	19.28					
15	QPSK	75	0	19.76	19.86	19.74	19.63	19.32					
15	16QAM	1	0	19.63	19.79	19.65	19.51	19.29					
15	16QAM	1	37	19.84	19.94	19.85	19.70	19.44	19.3	1			
15	16QAM	1	74	19.79	19.87	19.72	19.56	19.39					
15	16QAM	36	0	17.52	17.72	17.64	17.50	17.23					
15	16QAM	36	20	17.65	17.76	17.60	17.52	17.30					
15	16QAM	36	39	17.62	17.73	17.66	17.53	17.24	18.3	2			
15	16QAM	75	0	17.66	17.76	17.65	17.62	17.37					
15	64QAM	1	0	17.33	17.49	17.41	17.21	17.00					
15	64QAM	1	37	17.45	17.58	17.44	17.24	17.02					
15	64QAM	1	74	17.41	17.49	17.41	17.24	17.02	17.3	3			
15	64QAM	36	0	16.96	16.80	16.65	16.51	16.23					
15	64QAM	36	20	16.94	16.76	16.65	16.52	16.32					
15	64QAM	36	39	16.92	16.77	16.65	16.48	16.26					
15	64QAM	75	0	16.92	16.74	16.62	16.57	16.35					
Channel				39700	40160	40620	41080	41540	Turn-up Int. (dBm)			MPR (dB)	
Frequency (MHz)				39700	40160	40620	41080	41540					
10	QPSK	1	0	19.98	19.73	19.97	19.44	19.37	20.30	0			
10	QPSK	1	25	19.99	19.69	19.65	19.41	19.23					
10	QPSK	1	49	19.94	19.73	19.60	19.48	19.19					
10	QPSK	25	0	19.86	19.87	19.75	19.64	19.45					
10	QPSK	25	12	19.74	19.89	19.73	19.61	19.40	19.3	1			
10	QPSK	25	25	19.78	19.84	19.72	19.62	19.39					
10	QPSK	50	0	19.76	19.83	19.72	19.66	19.46					
10	16QAM	1	0	19.71	19.91	19.74	19.63	19.44					
10	16QAM	1	25	19.82	19.97	19.85	19.61	19.49	19.3	1			
10	16QAM	1	49	19.80	19.92	19.83	19.61	19.46					
10	16QAM	25	0	17.60	17.80	17.70	17.62	17.40					
10	16QAM	25	12	17.70	17.87	17.74	17.56	17.35					
10	16QAM	25	25	17.74	17.89	17.77	17.56	17.39	18.3	2			
10	16QAM	50	0	17.71	17.85	17.70	17.80	17.39					
10	64QAM	1	0	17.40	17.65	17.45	17.30	17.12					
10	64QAM	1	25	17.49	17.60	17.53	17.33	17.08					
10	64QAM	1	49	17.46	17.54	17.45	17.27	17.09	17.3	3			
10	64QAM	25	0	16.70	16.98	16.71	16.58	16.40					
10	64QAM	25	12	16.74	16.87	16.68	16.64	16.39					
10	64QAM	25	25	16.82	16.86	16.81	16.64	16.37					
10	64QAM	50	0	16.72	16.78	16.65	16.62	16.36					
Channel				2498.5	2545.8	2593	2640.30	2687.5	Turn-up Int. (dBm)			MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5					
5	QPSK	1	0	19.93	19.61	19.54	19.40	19.19	20.30	0			
5	QPSK	1	12	19.90	19.54	19.44	19.29	19.12					
5	QPSK	1	24	19.99	19.95	19.93	19.44	19.23					
5	QPSK	12	0	19.64	19.70	19.64	19.53	19.27					
5	QPSK	12	7	19.57	19.77	19.62	19.52	19.28	19.3	1			
5	QPSK	12	13	19.00	19.74	19.64	19.40	19.29					
5	QPSK	25	0	19.65	19.73	19.70	19.51	19.31					
5	16QAM	1	0	19.71	19.74	19.74	19.55	19.39					
5	16QAM	1	12	19.74	19.80	19.81	19.58	19.36	19.3	1			
5	16QAM	1	24	19.70	19.80	19.75	19.80	19.44					
5	16QAM	12	0	17.53	17.65	17.61	17.52	17.21					
5	16QAM	12	7	17.54	17.64	17.58	17.41	17.26					
5	16QAM	12	13	17.56	17.62	17.56	17.40	17.16	18.3	2			
5	16QAM	25	0	17.62	17.73	17.64	17.40	17.26					
5	64QAM	1	0	17.33	17.54	17.45	17.12	17.08					
5	64QAM	1	12	17.17	17.54	17.45	17.17	17.00					
5	64QAM	1	24	17.25	17.47	17.43	17.20	17.01	17.3	3			
5	64QAM	12	0	16.57	16.71	16.67	16.47	16.24					
5	64QAM	12	7	16.57	16.71	16.62	16.49	16.19					
5	64QAM	12	13	16.50	16.75	16.60	16.42	16.25					
5	64QAM	25	0	16.66	16.79	16.70	16.53	16.21					

Band 41 HPUE Ant 4 Default											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mode Ch / Freq	Power High Mode Ch / Freq	Power High Ch / Freq	Tune-up Int. (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2499	2548.5	2593	2637.5	2682			
20	QPSK	1	0	22.63	22.65	22.66	22.38	22.11	23.3	0	
20	QPSK	1	49	22.70	22.71	22.74	22.06	22.27			
20	QPSK	99	22.69	22.71	22.73	21.75	22.18				
20	QPSK	50	0	21.80	21.78	21.84	21.63	21.40			
20	QPSK	50	24	21.75	21.78	21.82	21.61	21.36	22.3	1	
20	QPSK	50	50	21.78	21.77	21.81	21.60	21.38			
20	QPSK	100	0	21.72	21.78	21.83	21.58	21.36			
20	16QAM	1	0	21.86	21.86	21.69	21.73	21.48			
20	16QAM	1	49	21.91	22.12	21.92	21.74	21.53	22.3	1	
20	16QAM	1	99	22.05	22.97	22.07	21.71	21.49	21.3	2	
20	16QAM	50	0	20.67	20.60	20.80	20.64	20.26			
20	16QAM	50	24	20.75	20.85	20.72	20.59	20.37			
20	16QAM	50	50	20.78	20.83	20.77	20.80	20.41			
20	16QAM	100	0	20.71	20.83	20.75	20.60	20.34	21.3	2	
20	16QAM	100	0	20.76	20.75	20.75	20.41	20.24			
20	16QAM	1	49	20.80	20.85	20.78	20.56	20.36			
20	16QAM	1	99	20.86	20.94	20.84	20.49	20.36			
20	16QAM	50	0	19.81	19.81	19.76	19.61	19.27	20.3	3	
20	16QAM	50	24	19.74	19.84	19.71	19.58	19.36			
20	16QAM	50	50	19.78	19.80	19.68	19.48	19.36			
20	16QAM	100	0	19.71	19.83	19.71	19.57	19.33			
Channel				39750	40185	40620	41055	41490	unsub. Int. (dBm)	MPR (dB)	
Frequency (MHz)				2499	2548.5	2593	2637.5	2682.5			
15	QPSK	1	0	22.57	22.55	22.56	22.41	22.22	23.30	0	
15	QPSK	1	37	22.73	22.73	22.71	22.11	22.27			
15	QPSK	1	74	22.66	22.66	22.65	21.72	22.23			
15	QPSK	36	0	21.65	21.73	21.60	21.53	21.26			
15	QPSK	36	20	21.68	21.81	21.66	21.52	21.23	22.3	1	
15	QPSK	36	39	21.63	21.82	21.69	21.48	21.25			
15	QPSK	75	0	21.72	21.80	21.68	21.50	21.30			
15	16QAM	1	0	21.75	21.96	21.83	21.56	21.35			
15	16QAM	1	37	21.93	21.91	21.99	21.61	21.45	22.3	1	
15	16QAM	1	74	21.93	21.91	21.83	21.51	21.39			
15	16QAM	36	0	20.56	20.72	20.57	20.47	20.20			
15	16QAM	36	20	20.63	20.72	20.59	20.48	20.21			
15	16QAM	36	39	20.54	20.75	20.61	20.49	20.23	21.3	2	
15	16QAM	75	0	20.70	20.75	20.65	20.51	20.29			
15	16QAM	1	0	20.59	20.78	20.58	20.42	20.19			
15	16QAM	1	37	20.71	20.89	20.70	20.51	20.31			
15	16QAM	1	74	20.72	20.72	20.69	20.29	20.23	21.3	2	
15	16QAM	36	0	19.55	19.72	19.57	19.47	19.21			
15	16QAM	36	20	19.62	19.73	19.60	19.50	19.24			
15	16QAM	36	39	19.70	19.78	19.66	19.46	19.28			
15	16QAM	75	0	19.63	19.72	19.61	19.49	19.23	unsub. Int. (dBm)	MPR (dB)	
Channel				39750	40160	40620	41090	41450			
Frequency (MHz)				2499	2548.5	2593	2643.5	2687.5			
10	QPSK	1	0	22.48	22.61	22.55	22.31	22.25			
10	QPSK	1	25	22.62	22.71	22.65	22.04	22.25			
10	QPSK	1	49	22.60	22.68	22.67	21.88	22.21			
10	QPSK	25	0	21.62	21.74	21.67	21.54	21.32			
10	QPSK	25	12	21.66	21.66	21.66	21.52	21.33	22.3	1	
10	QPSK	25	25	21.68	21.80	21.70	21.51	21.27			
10	QPSK	50	0	21.70	21.81	21.65	21.56	21.32			
10	QPSK	50	0	21.79	21.92	21.86	21.51	21.29			
10	16QAM	1	25	21.88	22.02	21.96	21.63	21.48	22.3	1	
10	16QAM	1	49	21.95	21.99	21.89	21.84	21.40			
10	16QAM	25	0	20.68	20.77	20.65	20.47	20.26			
10	16QAM	25	12	20.70	20.84	20.63	20.53	20.27			
10	16QAM	25	25	20.76	20.77	20.69	20.48	20.22	21.3	2	
10	16QAM	50	0	20.64	20.75	20.55	20.52	20.34			
10	16QAM	1	49	20.63	20.77	20.70	20.29	20.34			
10	16QAM	1	25	20.73	20.91	20.75	20.41	20.37			
10	16QAM	1	49	20.69	20.77	20.71	20.38	20.27	20.3	3	
10	16QAM	25	0	19.69	19.77	19.55	19.38	19.35			
10	16QAM	25	12	19.67	19.82	19.67	19.53	19.32			
10	16QAM	25	25	19.78	19.79	19.76	19.55	19.30			
10	16QAM	50	0	19.66	19.72	19.67	19.50	19.32	unsub. Int. (dBm)	MPR (dB)	
Channel				39750	40160	40620	41090	41450			
Frequency (MHz)				2499.5	2545.5	2593	2649.30	2687.5			
8	QPSK	1	0	22.43	22.54	22.39	22.22	22.17			
8	QPSK	1	12	22.58	22.69	22.67	22.05	22.27			
8	QPSK	1	24	22.45	22.45	22.42	21.91	22.25			
8	QPSK	12	0	21.61	21.65	21.60	21.48	21.29			
8	QPSK	12	7	21.55	21.74	21.61	21.41	21.21	22.3	1	
8	QPSK	12	13	21.51	21.82	21.54	21.36	21.26			
8	QPSK	25	0	21.71	21.66	21.66	21.53	21.30			
8	16QAM	1	0	21.78	21.88	21.85	21.63	21.33			
8	16QAM	1	12	21.74	21.95	21.80	21.56	21.32	22.3	1	
8	16QAM	1	24	21.89	22.21	21.80	21.51	21.23			
8	16QAM	12	0	20.53	20.67	20.66	20.42	20.18			
8	16QAM	12	7	20.67	20.75	20.68	20.45	20.25			
8	16QAM	12	13	20.72	20.84	20.69	20.54	20.26	21.3	2	
8	16QAM	25	0	20.61	20.58	20.64	20.64	20.23			
8	16QAM	1	0	20.51	20.68	20.64	20.44	20.22			
8	16QAM	1	12	20.68	20.86	20.63	20.39	20.26			
8	16QAM	1	24	20.60	20.59	20.64	20.23	20.23	21.3	2	
8	16QAM	12	0	19.61	19.59	19.66	19.46	19.19			
8	16QAM	12	7	19.54	19.83	19.56	19.38	19.38			
8	16QAM	12	13	19.71	19.69	19.66	19.43	19.32			
8	16QAM	25	0	19.50	19.70	19.54	19.38	19.21	20.3	3	
8	16QAM	25	7	19.50	19.70	19.54	19.38	19.21			
8	16QAM	25	13	19.50	19.70	19.54	19.38	19.21			
8	16QAM	25	25	19.50	19.70	19.54	19.38	19.21			



Conducted Power for DSI 18

GSM850 Ant 0_DSI18	Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
	128	189	251		128	189	251	
Tx Channel	824.2	836.4	848.6	(dBm)	824.2	836.4	848.6	(dBm)
Frequency (MHz)								
GSM 1 Tx slot	32.44	32.66	32.51	33.30	23.44	23.66	23.51	24.30
GPRS 1 Tx slot	32.39	32.63	32.44	33.30	23.39	23.63	23.44	24.30
GPRS 2 Tx slots	30.24	30.44	30.27	31.30	24.24	24.44	24.27	25.30
GPRS 3 Tx slots	27.97	28.14	28.02	28.80	23.71	23.88	23.76	24.54
GPRS 4 Tx slots	27.25	27.56	27.31	28.30	24.25	24.56	24.31	25.30
EDGE(GMSK 1 Tx slot)	32.38	32.62	32.42	33.30	23.38	23.62	23.42	24.30
EDGE(GMSK 2 Tx slots)	30.22	30.40	30.24	31.30	24.22	24.40	24.24	25.30
EDGE(GMSK 3 Tx slots)	27.96	28.11	27.99	28.80	23.70	23.85	23.73	24.54
EDGE(GMSK 4 Tx slots)	27.21	27.55	27.28	28.30	24.21	24.55	24.28	25.30
EDGE 1 Tx slot	27.04	27.11	27.06	27.80	18.04	18.11	18.06	18.80
EDGE 2 Tx slots	23.70	23.57	23.80	24.80	17.70	17.57	17.80	18.80
EDGE 3 Tx slots	21.13	21.25	21.31	22.30	16.87	16.99	17.05	18.04
EDGE 4 Tx slots	20.94	21.02	21.25	21.80	17.94	18.02	18.25	18.80

GSM1900 Ant 0_DSI18	Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
	512	661	810		512	661	810	
Tx Channel	1650.2	1660	1669.8	(dBm)	1650.2	1660	1669.8	(dBm)
Frequency (MHz)								
GSM 1 Tx slot	30.28	30.36	30.58	30.60	21.28	21.36	21.39	21.60
GPRS 1 Tx slot	30.25	30.34	30.36	30.60	21.25	21.34	21.36	21.60
GPRS 2 Tx slots	27.53	27.60	27.59	28.10	21.53	21.60	21.59	22.10
GPRS 3 Tx slots	25.34	25.37	25.41	25.80	21.08	21.11	21.15	21.54
GPRS 4 Tx slots	24.62	24.68	24.67	25.30	21.62	21.68	21.67	22.30
EDGE(GMSK 1 Tx slot)	30.22	30.32	30.33	30.60	21.22	21.32	21.33	21.60
EDGE(GMSK 2 Tx slots)	27.51	27.58	27.58	28.10	21.51	21.58	21.58	22.10
EDGE(GMSK 3 Tx slots)	25.33	25.33	25.38	25.80	21.07	21.07	21.12	21.54
EDGE(GMSK 4 Tx slots)	24.60	24.66	24.69	25.30	21.60	21.66	21.68	22.30
EDGE 1 Tx slot	25.50	25.69	25.42	26.10	16.50	16.69	16.42	17.10
EDGE 2 Tx slots	23.31	23.28	23.16	23.80	17.31	17.28	17.16	17.80
EDGE 3 Tx slots	21.82	21.86	21.88	22.10	17.56	17.60	17.62	17.84
EDGE 4 Tx slots	19.41	19.59	19.60	20.30	16.41	16.59	16.60	17.30

Band		WCDMA 8 Ant 0_DSI18			Tune-up Limit	WCDMA 11 Ant 0_DSI18			Tune-up Limit	WCDMA 17 Ant 0_DSI18			Tune-up Limit
		9262	9400	9538		1312	1413	1513		4132	4162	4233	
Tx Channel	RA Channel	9462	9600	9638	(dBm)	1337	1438	1538	(dBm)	4337	4407	4498	(dBm)
Frequency (MHz)		1850.8	1878.4	1906		1712.4	1732.6	1752.8		806.4	836.4	866.8	
3GPP Rel 99	AMR 12.2Kbps	21.13	21.15	21.14	22.10	20.65	20.70	20.62	21.60	23.90	23.91	23.78	24.80
3GPP Rel 99	AMR 12.2Kbps	21.11	21.20	21.16	22.10	20.72	20.73	20.69	21.60	23.91	23.93	23.79	24.80
3GPP Rel 6	HSDPA Subtest-1	20.14	20.15	20.05	21.10	19.60	19.65	19.68	20.60	22.88	22.84	22.76	23.80
3GPP Rel 6	HSDPA Subtest-2	20.09	20.13	20.03	21.10	19.59	19.64	19.66	20.60	22.87	22.85	22.72	23.80
3GPP Rel 6	HSDPA Subtest-3	19.63	19.65	19.63	20.10	19.13	19.18	19.20	19.60	22.41	22.40	22.25	23.30
3GPP Rel 6	HSDPA Subtest-4	19.61	19.62	19.59	20.10	19.12	19.14	19.10	19.60	22.39	22.32	22.23	23.30
3GPP Rel 6	DC-HSDPA Subtest-1	20.11	20.12	20.03	21.10	19.55	19.64	19.64	20.60	22.72	22.73	22.63	23.80
3GPP Rel 6	DC-HSDPA Subtest-2	20.04	20.12	19.98	21.10	19.54	19.62	19.64	20.60	22.69	22.67	22.70	23.80
3GPP Rel 6	DC-HSDPA Subtest-3	19.61	19.63	19.58	20.10	19.12	19.13	19.18	19.60	22.41	22.28	22.05	23.30
3GPP Rel 6	DC-HSDPA Subtest-4	19.58	19.58	19.58	20.10	19.08	19.11	19.05	19.60	22.29	22.27	22.03	23.30
3GPP Rel 6	HSUPA Subtest-1	18.70	18.66	18.68	19.10	18.11	18.22	18.19	18.60	21.36	21.31	21.20	21.80
3GPP Rel 6	HSUPA Subtest-2	17.25	17.15	17.23	18.10	16.58	16.61	16.67	17.60	19.71	19.66	19.65	20.80
3GPP Rel 6	HSUPA Subtest-3	18.29	18.24	18.24	19.10	17.66	17.72	17.72	18.60	20.84	20.82	20.88	21.80
3GPP Rel 6	HSUPA Subtest-4	17.75	17.71	17.73	18.60	17.16	17.18	17.15	18.10	20.34	20.32	20.17	21.30
3GPP Rel 6	HSUPA Subtest-5	20.30	20.14	20.20	21.10	19.62	19.72	19.72	20.60	22.90	22.80	22.70	23.80
3GPP Rel 7	HSPA+ (HSPA-M) Subtest-4	20.06	20.04	20.00	21.10	19.81	19.88	19.58	20.60	22.65	22.71	22.58	23.80

Band 2 Ant 0_DS118																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MFR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	20.78	20.80	20.64	21.8	0								
20	QPSK	1	49	20.83	21.02	20.71										
20	QPSK	1	99	20.66	20.73	20.67										
20	QPSK	50	0	20.91	20.95	20.74	21.8	0								
20	QPSK	24	20	20.90	20.98	20.78										
20	QPSK	50	50	20.85	20.81	20.75										
20	QPSK	100	0	20.80	20.84	20.74	21.8	0								
20	16QAM	1	0	20.95	21.00	20.95										
20	16QAM	1	49	20.92	21.01	20.92										
20	16QAM	1	99	20.95	20.98	20.95	21.8	0								
20	16QAM	50	0	20.88	20.87	20.76										
20	16QAM	50	24	20.89	20.93	20.81										
20	16QAM	50	50	20.83	20.83	20.76	21.8	0								
20	16QAM	100	0	20.82	20.83	20.74										
20	84QAM	1	0	20.94	21.01	20.82										
20	84QAM	1	49	20.96	20.91	20.95	21.8	0								
20	84QAM	1	99	20.86	20.86	20.86										
20	84QAM	50	0	20.34	20.30	20.25										
20	84QAM	50	24	20.37	20.41	20.29	21.3	0.5								
20	84QAM	50	50	20.29	20.29	20.23										
20	84QAM	100	0	20.30	20.32	20.13										
Channel																
Frequency (MHz)																
15	QPSK	1	0	20.77	20.77	20.63	21.8	0								
15	QPSK	1	37	20.75	20.83	20.67										
15	QPSK	1	74	20.67	20.66	20.58										
15	QPSK	36	0	20.86	20.81	20.64	21.8	0								
15	QPSK	36	20	20.84	20.88	20.72										
15	QPSK	36	39	20.77	20.71	20.72										
15	QPSK	75	0	20.75	20.74	20.66	21.8	0								
15	16QAM	1	0	20.91	20.97	20.88										
15	16QAM	1	37	20.87	20.94	20.83										
15	16QAM	1	74	20.86	20.84	20.76	21.8	0								
15	16QAM	36	0	20.83	20.78	20.68										
15	16QAM	36	20	20.79	20.85	20.73										
15	16QAM	36	39	20.76	20.73	20.66	21.8	0								
15	16QAM	75	0	20.75	20.76	20.71										
15	84QAM	1	0	20.91	20.91	20.75										
15	84QAM	1	37	20.98	20.83	20.86	21.8	0								
15	84QAM	1	74	20.83	20.77	20.82										
15	84QAM	36	0	20.25	20.24	20.17										
15	84QAM	36	20	20.31	20.35	20.21	21.3	0.5								
15	84QAM	36	39	20.25	20.23	20.16										
15	84QAM	75	0	20.21	20.25	20.13										
Channel																
Frequency (MHz)																
10	QPSK	1	0	20.75	20.76	20.61	21.8	0								
10	QPSK	1	25	20.75	20.88	20.64										
10	QPSK	1	49	20.62	20.66	20.63										
10	QPSK	25	0	20.88	20.82	20.64	21.8	0								
10	QPSK	25	12	20.87	20.86	20.72										
10	QPSK	25	25	20.78	20.73	20.66										
10	QPSK	50	0	20.71	20.79	20.69	21.8	0								
10	16QAM	1	0	20.92	20.96	20.89										
10	16QAM	1	25	20.89	20.96	20.83										
10	16QAM	1	49	20.86	20.86	20.86	21.8	0								
10	16QAM	25	0	20.84	20.83	20.68										
10	16QAM	25	12	20.86	20.83	20.75										
10	16QAM	25	25	20.76	20.77	20.66	21.8	0								
10	16QAM	50	0	20.75	20.78	20.66										
10	84QAM	1	0	20.90	20.83	20.76										
10	84QAM	1	25	20.87	20.82	20.92	21.8	0								
10	84QAM	1	49	20.77	20.81	20.79										
10	84QAM	25	0	20.25	20.24	20.21										
10	84QAM	25	12	20.34	20.38	20.23	21.3	0.5								
10	84QAM	25	25	20.24	20.23	20.14										
10	84QAM	75	0	20.21	20.25	20.13										
Channel																
Frequency (MHz)																
5	QPSK	1	0	20.77	20.76	20.60	21.8	0								
5	QPSK	1	12	20.76	20.85	20.68										
5	QPSK	1	24	20.63	20.64	20.58										
5	QPSK	12	0	20.85	20.85	20.67	21.8	0								
5	QPSK	12	7	20.82	20.87	20.72										
5	QPSK	12	13	20.82	20.77	20.65										
5	QPSK	25	0	20.77	20.80	20.69	21.8	0								
5	16QAM	1	0	20.92	20.92	20.92										
5	16QAM	1	12	20.87	20.92	20.88										
5	16QAM	1	24	20.90	20.81	20.76	21.8	0								
5	16QAM	12	0	20.83	20.78	20.71										
5	16QAM	12	7	20.82	20.87	20.76										
5	16QAM	12	13	20.76	20.76	20.68	21.8	0								
5	16QAM	25	0	20.72	20.79	20.66										
5	84QAM	1	0	20.89	20.83	20.76										
5	84QAM	1	12	20.93	20.81	20.92	21.8	0								
5	84QAM	1	24	20.80	20.80	20.78										
5	84QAM	12	0	20.27	20.20	20.18										
5	84QAM	12	7	20.27	20.35	20.24	21.3	0.5								
5	84QAM	12	13	20.25	20.22	20.20										
5	84QAM	25	0	20.23	20.22	20.17										
Channel																
Frequency (MHz)																
3	QPSK	1	0	20.73	20.76	20.63	21.8	0								
3	QPSK	1	8	20.77	20.94	20.68										
3	QPSK	1	14	20.61	20.67	20.62										
3	QPSK	8	0	20.84	20.90	20.71	21.8	0								
3	QPSK	8	4	20.90	20.87	20.68										
3	QPSK	8	7	20.77	20.71	20.70										
3	QPSK	15	0	20.76	20.77	20.70	21.8	0								
3	16QAM	1	0	20.87	20.91	20.86										
3	16QAM	1	8	20.85	20.98	20.86										
3	16QAM	1	14	20.92	20.92	20.91	21.8	0								
3	16QAM	8	0	20.85	20.78	20.67										
3	16QAM	8	4	20.80	20.88	20.77										
3	16QAM	8	7	20.75	20.73	20.72	21.8	0								
3	16QAM	15	0	20.79	20.80	20.64										
3	84QAM	1	0	20.84	20.83	20.72										
3	84QAM															

Band 7 Ant 0_DSI18													
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				20850	21000	21350							
Frequency (MHz)				2510	2535	2560							
20	QPSK	1	0	22.86	23.02	22.95	23.6	0					
20	QPSK	1	49	23.20	23.25	23.24							
20	QPSK	1	99	23.13	23.02	23.21							
20	QPSK	50	0	22.25	22.28	22.27	22.6	1					
20	QPSK	50	24	22.15	22.21	22.19							
20	QPSK	50	50	22.14	22.20	22.18							
20	QPSK	100	0	22.16	22.21	22.18	22.6	1					
20	16QAM	1	0	21.90	22.13	22.03							
20	16QAM	1	49	22.04	22.15	22.16							
20	16QAM	1	99	22.21	22.24	22.22	22.6	1					
20	16QAM	50	0	20.99	21.20	21.17							
20	16QAM	50	24	21.10	21.19	21.20							
20	16QAM	50	50	21.17	21.17	21.28	21.6	2					
20	16QAM	100	0	21.08	21.16	21.22							
20	64QAM	1	0	21.10	21.29	21.20							
20	64QAM	1	49	21.18	21.19	21.38	21.6	2					
20	64QAM	1	99	21.11	21.12	21.28							
20	64QAM	50	0	19.96	20.10	20.21							
20	64QAM	50	24	20.16	20.16	20.18	20.6	3					
20	64QAM	50	50	20.11	20.14	20.19							
20	64QAM	100	0	20.00	20.03	20.22							
Channel				20825	21100	21375							
Frequency (MHz)				2507.5	2535	2562.5							
15	QPSK	1	0	22.82	23.07	23.16	23.6	0					
15	QPSK	1	37	22.98	23.01	23.04							
15	QPSK	1	74	22.99	23.24	23.23							
15	QPSK	36	0	22.00	22.12	22.23	22.6	1					
15	QPSK	36	20	22.00	22.26	22.32							
15	QPSK	36	39	22.23	22.19	22.35							
15	QPSK	75	0	22.07	22.20	22.32	22.6	1					
15	16QAM	1	0	22.16	22.34	22.16							
15	16QAM	1	37	22.16	22.31	22.25							
15	16QAM	1	74	22.26	22.39	22.43	21.6	2					
15	16QAM	36	0	21.05	21.18	21.19							
15	16QAM	36	20	21.09	21.20	21.25							
15	16QAM	36	39	21.21	21.23	21.40	21.6	2					
15	16QAM	75	0	21.11	21.15	21.30							
15	64QAM	1	0	21.03	21.27	21.36	21.6	2					
15	64QAM	1	37	21.37	21.55	21.35							
15	64QAM	1	74	21.47	21.43	21.31							
15	64QAM	36	0	20.08	20.17	20.29	20.6	3					
15	64QAM	36	20	20.17	20.24	20.35							
15	64QAM	36	39	20.26	20.20	20.37							
15	64QAM	75	0	20.12	20.06	20.21	20.6	3					
Channel				20800	21100	21400							
Frequency (MHz)				2505	2535	2565							
10	QPSK	1	0	23.04	23.08	23.16	23.6	0					
10	QPSK	1	25	23.07	23.07	23.24							
10	QPSK	1	49	23.09	23.21	23.23							
10	QPSK	25	0	22.11	22.19	22.38	22.6	1					
10	QPSK	25	12	22.13	22.26	22.33							
10	QPSK	25	25	22.26	22.31	22.44							
10	QPSK	50	0	22.18	22.28	22.41	22.6	1					
10	16QAM	1	0	22.27	22.30	22.52							
10	16QAM	1	25	22.14	22.52	22.47							
10	16QAM	1	49	22.21	22.33	22.55	21.6	2					
10	16QAM	25	0	21.14	21.23	21.36							
10	16QAM	25	12	21.23	21.27	21.46							
10	16QAM	25	25	21.27	21.24	21.46	21.6	2					
10	16QAM	50	0	21.25	21.18	21.39							
10	64QAM	1	0	21.39	21.42	21.44							
10	64QAM	1	25	21.19	21.47	21.31	21.6	2					
10	64QAM	1	49	21.48	21.04	21.45							
10	64QAM	25	0	20.13	20.18	20.27							
10	64QAM	25	12	20.18	20.18	20.27	20.6	3					
10	64QAM	25	25	20.22	20.17	20.39							
10	64QAM	50	0	20.15	20.16	20.40							
Channel				20775	21100	21425							
Frequency (MHz)				2502.5 <th>2535<th>2567.5</th><th colspan="5"></th></th>	2535 <th>2567.5</th> <th colspan="5"></th>	2567.5							
5	QPSK	1	0	23.08	23.19	23.12	23.6	0					
5	QPSK	1	12	23.15	23.14	23.14							
5	QPSK	1	24	23.09	23.14	23.19							
5	QPSK	12	0	22.19	22.20	22.45	22.6	1					
5	QPSK	12	7	22.20	22.24	22.43							
5	QPSK	12	13	22.19	22.21	22.46							
5	QPSK	25	0	22.24	22.22	22.39	22.6	1					
5	16QAM	1	0	22.46	22.33	22.29							
5	16QAM	1	12	22.55	22.41	22.55							
5	16QAM	1	24	22.51	22.47	22.45	21.6	2					
5	16QAM	12	0	21.15	21.20	21.44							
5	16QAM	12	7	21.17	21.14	21.38							
5	16QAM	12	13	21.14	21.21	21.44	21.6	2					
5	16QAM	25	0	21.11	21.22	21.35							
5	64QAM	1	0	21.37	21.48	21.49							
5	64QAM	1	12	21.21	21.44	21.55	21.6	2					
5	64QAM	1	24	21.51	21.58	21.18							
5	64QAM	12	0	20.13	20.23	20.38							
5	64QAM	12	7	20.27	20.18	20.36	20.6	3					
5	64QAM	12	13	20.17	20.20	20.43							
5	64QAM	25	0	20.13	20.17	20.44							

Band 12 Ant 0 DSI18									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				23600	23695	23790			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.85	23.88	23.80	24.8	0	
10	QPSK	1	25	23.88	23.91	23.85			
10	QPSK	1	49	23.83	23.85	23.81			
10	QPSK	25	0	22.90	22.92	22.79	23.8	1	
10	QPSK	25	12	22.88	22.89	22.78			
10	QPSK	25	25	22.85	22.88	22.71			
10	QPSK	50	0	22.85	22.89	22.81	23.8	1	
10	16QAM	1	0	23.06	22.87	23.16			
10	16QAM	1	25	22.85	23.24	23.03	23.8	1	
10	16QAM	1	49	23.05	22.81	23.02			
10	16QAM	25	0	21.97	21.76	21.75	22.8	2	
10	16QAM	25	12	22.02	21.70	21.69			
10	16QAM	25	25	21.89	21.67	21.78	22.8	2	
10	16QAM	50	0	21.85	21.70	21.79			
10	64QAM	1	0	22.16	21.75	21.69	22.8	2	
10	64QAM	1	25	22.16	21.78	21.65			
10	64QAM	1	49	22.07	21.63	21.67	22.8	2	
10	64QAM	25	0	21.01	20.86	20.81			
10	64QAM	25	12	20.97	20.67	20.73	21.8	3	
10	64QAM	25	25	20.97	20.72	20.75			
10	64QAM	50	0	20.94	20.74	20.72			
Channel				23605	23696	23795			
Frequency (MHz)				704.5	707.5	711.5			
5	QPSK	1	0	23.78	23.79	23.60	24.8	0	
5	QPSK	1	12	23.89	23.84	23.75			
5	QPSK	1	24	23.77	23.84	23.84			
5	QPSK	12	0	22.96	22.96	22.94	23.8	1	
5	QPSK	12	7	22.93	22.88	22.92			
5	QPSK	12	13	22.97	22.90	22.81			
5	16QAM	1	0	22.93	22.90	22.87	22.8	2	
5	16QAM	1	0	23.55	23.49	23.01			
5	16QAM	1	12	23.09	23.19	22.87	23.8	1	
5	16QAM	1	24	23.53	23.49	23.27			
5	16QAM	12	0	21.99	21.84	21.95	22.8	2	
5	16QAM	12	13	21.94	21.83	21.85			
5	16QAM	12	13	21.94	21.99	21.85	21.8	3	
5	16QAM	25	0	22.00	21.86	21.98			
5	64QAM	1	0	22.19	22.03	22.10	22.8	2	
5	64QAM	1	12	22.25	22.02	21.94			
5	64QAM	1	24	22.16	22.16	22.06	21.8	3	
5	64QAM	12	0	20.96	20.84	20.94			
5	64QAM	12	7	20.96	21.02	20.82	21.8	3	
5	64QAM	12	13	20.98	20.99	20.82			
5	64QAM	25	0	20.95	20.79	20.82			
Channel				236025	236956	237655			
Frequency (MHz)				703.5	707.5	714.5			
3	QPSK	1	0	23.79	23.78	23.75	24.8	0	
3	QPSK	1	8	23.63	23.72	23.70			
3	QPSK	1	14	23.90	23.62	23.77			
3	QPSK	8	0	22.97	22.94	22.91	23.8	1	
3	QPSK	8	7	22.94	22.73	22.94			
3	QPSK	8	0	22.96	22.85	22.87			
3	16QAM	1	0	23.50	23.93	23.48	23.8	1	
3	16QAM	1	8	23.24	23.48	22.90			
3	16QAM	1	14	23.32	23.19	23.06	22.8	2	
3	16QAM	8	0	21.89	21.94	21.80			
3	16QAM	8	0	22.10	21.88	21.87	22.8	2	
3	16QAM	7	22.05	21.91	21.91	21.95			
3	16QAM	15	0	21.96	21.87	21.84	22.8	2	
3	64QAM	1	0	22.45	21.77	22.04			
3	64QAM	1	8	21.77	22.21	21.77	22.8	2	
3	64QAM	1	16	22.09	22.01	22.11			
3	64QAM	8	0	20.91	20.88	20.89	21.8	3	
3	64QAM	8	4	20.91	21.01	20.99			
3	64QAM	15	0	20.91	20.88	20.89			
Channel				236017	236958	237373			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.78	23.69	23.65	24.8	0	
1.4	QPSK	1	0	23.76	23.68	23.65			
1.4	QPSK	1	5	23.90	23.56	23.86			
1.4	QPSK	3	0	23.74	23.77	23.58	23.8	1	
1.4	QPSK	3	1	23.75	23.76	23.81			
1.4	QPSK	3	3	22.87	23.72	23.85			
1.4	QPSK	6	0	22.96	22.96	22.96	23.8	1	
1.4	16QAM	0	0	22.94	23.15	22.90			
1.4	16QAM	1	4	23.16	22.76	23.08	23.8	1	
1.4	16QAM	1	5	23.26	23.47	23.22			
1.4	16QAM	3	0	22.93	22.93	22.95	22.8	2	
1.4	16QAM	3	1	22.89	23.00	22.78			
1.4	16QAM	3	2	22.88	22.98	22.88	22.8	2	
1.4	16QAM	6	0	21.89	21.93	21.96			
1.4	64QAM	1	0	21.83	22.21	22.21	22.8	2	
1.4	64QAM	1	3	22.25	22.14	22.34			
1.4	64QAM	1	5	22.51	22.10	21.73	22.8	2	
1.4	64QAM	3	0	22.14	22.02	21.87			
1.4	64QAM	3	1	22.16	22.03	21.82	21.8	3	
1.4	64QAM	3	3	22.10	22.06	22.15			
1.4	64QAM	6	0	20.91	20.84	20.78			

Band 17 Ant 0_DSI18											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.		Power High Ch./Freq.		Tune-up limit (dBm)	MPR (dB)		
				23760	23760	23800	23800				
Channel				709	710	711					
Frequency (MHz)				23760	23760	23760					
10	QPSK	1	0	23.67	23.77	23.71	24.8	0			
10	QPSK	1	25	23.78	23.87	23.80					
10	QPSK	1	49	23.76	23.81	23.79					
10	QPSK	25	0	22.74	22.80	22.76	23.8	1			
10	QPSK	25	12	22.71	22.74	22.72					
10	QPSK	25	25	22.69	22.71	22.70					
10	QPSK	50	0	22.70	22.77	22.75	23.8	1			
10	16QAM	1	0	23.36	22.85	22.75					
10	16QAM	1	25	23.39	23.28	22.77					
10	16QAM	1	49	23.16	23.26	22.78	22.8	2			
10	16QAM	25	0	21.86	21.74	21.76					
10	16QAM	25	12	21.88	21.69	21.71					
10	16QAM	25	25	21.80	21.68	21.73	22.8	2			
10	16QAM	50	0	21.87	21.68	21.71					
10	64QAM	1	0	21.51	21.89	21.54					
10	64QAM	1	25	22.13	22.06	21.71	22.8	2			
10	64QAM	1	49	22.05	21.98	21.77					
10	64QAM	25	0	20.74	20.67	20.70					
10	64QAM	25	12	20.82	20.71	20.70	21.8	3			
10	64QAM	25	25	20.79	20.68	20.70					
10	64QAM	50	0	20.78	20.73	20.75					
Channel				23765	23790	23825	Tune-up limit (dBm)				
Frequency (MHz)				706.5	710	713.5					
5	QPSK	1	0	23.66	23.74	23.81	24.8	0			
5	QPSK	1	12	23.65	23.75	23.86					
5	QPSK	1	24	23.79	23.78	23.81					
5	QPSK	12	0	22.86	22.87	22.81	23.8	1			
5	QPSK	12	7	22.86	22.80	22.85					
5	QPSK	12	13	22.86	22.81	22.80					
5	QPSK	25	0	22.81	22.81	22.77	23.8	1			
5	16QAM	1	0	22.83	22.85	23.53					
5	16QAM	1	12	22.99	23.59	23.64					
5	16QAM	1	24	23.48	23.41	22.92	22.8	2			
5	16QAM	12	0	21.79	21.88	21.85					
5	16QAM	12	7	21.83	21.81	21.91					
5	16QAM	12	13	21.90	21.85	21.86	22.8	2			
5	16QAM	25	0	21.92	21.77	21.81					
5	64QAM	1	0	21.62	22.09	22.04					
5	64QAM	1	12	22.37	22.19	22.36	21.8	3			
5	64QAM	1	24	22.21	21.94	21.80					
5	64QAM	12	0	20.90	20.84	20.78					
5	64QAM	12	7	20.91	20.81	20.89	21.8	3			
5	64QAM	12	13	20.75	20.88	20.85					
5	64QAM	25	0	20.78	20.81	20.98					

Band 25 Ant 0_DSI18																		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.			Tune-up limit (dBm)	MPR (dB)										
				26160	26160	26260												
Channel				1860	1860	1905												
Frequency (MHz)																		
20	QPSK	1	0	20.84	20.89	20.74	21.8	0										
20	QPSK	1	49	20.92	21.10	20.88												
20	QPSK	1	99	20.73	20.79	20.76												
20	QPSK	50	0	21.01	21.05	20.86	21.8	0										
20	QPSK	50	24	21.03	20.94	20.85												
20	QPSK	50	50	20.93	20.88	20.91												
20	QPSK	100	0	20.94	20.85	20.89	21.8	0										
20	16QAM	1	0	21.09	21.01	21.07												
20	16QAM	1	49	21.08	21.00	21.03												
20	16QAM	1	99	20.99	21.04	21.02	21.8	0										
20	16QAM	50	0	20.99	20.96	20.90												
20	16QAM	50	24	20.98	20.96	20.95												
20	16QAM	50	50	20.90	20.90	20.89	21.8	0										
20	16QAM	100	0	20.94	20.90	20.89												
20	64QAM	1	0	20.99	21.00	20.90	21.8	0										
20	64QAM	1	49	21.06	21.06	21.05												
20	64QAM	1	99	20.86	20.88	20.88												
20	64QAM	50	0	20.45	20.46	20.37	21.3	0.5										
20	64QAM	50	24	20.46	20.44	20.41												
20	64QAM	50	50	20.37	20.37	20.43												
Channel				26115	26340	26915												
Frequency (MHz)				1857.5	1860	1907.5												
15	QPSK	1	0	20.65	20.80	20.54	21.8	0										
15	QPSK	1	37	20.67	21.09	20.84												
15	QPSK	1	74	20.45	20.78	20.67												
15	QPSK	36	0	20.82	20.99	20.86	21.8	0										
15	QPSK	36	20	20.85	20.88	20.85												
15	QPSK	36	39	20.83	20.85	20.79												
15	QPSK	75	0	20.84	20.76	20.87	21.8	0										
15	16QAM	1	0	20.91	20.94	21.05												
15	16QAM	1	37	20.81	20.94	20.98												
15	16QAM	1	74	20.73	20.91	20.79	21.8	0										
15	16QAM	36	0	20.94	20.79	20.63												
15	16QAM	36	20	20.89	20.76	20.71												
15	16QAM	36	39	20.64	20.86	20.76	21.8	0										
15	16QAM	75	0	20.76	20.63	20.63												
15	64QAM	1	0	20.80	20.74	20.67	21.8	0										
15	64QAM	1	37	21.04	20.94	20.85												
15	64QAM	1	74	20.58	20.71	20.84												
15	64QAM	36	0	20.23	20.19	20.27	21.3	0.5										
15	64QAM	36	20	20.40	20.15	20.31												
15	64QAM	36	39	20.11	20.08	20.24												
Channel				26090	26340	26960												
Frequency (MHz)				1855	1860	1910												
10	QPSK	1	0	20.71	20.77	20.54	21.8	0										
10	QPSK	1	25	20.78	21.05	20.64												
10	QPSK	1	49	20.56	20.66	20.51												
10	QPSK	25	0	20.82	20.99	20.62	21.8	0										
10	QPSK	25	12	20.82	20.71	20.77												
10	QPSK	25	25	20.92	20.64	20.87												
10	QPSK	50	0	20.69	20.88	20.70	21.8	0										
10	16QAM	1	0	2														

Band 66 Ant 0_DS118										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				132072	133232	133272				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	19.89	19.92	19.90	20.8	0		
20	QPSK	1	49	19.97	20.10	19.96				
20	QPSK	1	99	19.62	19.73	19.80				
20	QPSK	50	0	19.86	20.05	20.00	20.8	0		
20	QPSK	50	24	19.95	19.97	20.01				
20	QPSK	50	50	19.95	19.95	20.04				
20	QPSK	100	0	19.90	19.93	19.91	20.8	0		
20	16QAM	1	0	19.96	20.05	19.98				
20	16QAM	1	49	19.99	20.04	20.08				
20	16QAM	1	99	19.88	19.83	19.87	20.8	0		
20	16QAM	50	0	19.84	19.98	20.01				
20	16QAM	50	24	19.95	19.97	19.99				
20	16QAM	50	50	19.92	19.94	20.00	20.8	0		
20	16QAM	100	0	19.91	19.94	19.90				
20	64QAM	1	0	20.08	20.02	20.04				
20	64QAM	1	49	20.09	20.04	20.02	20.8	0		
20	64QAM	1	99	19.95	19.92	19.94				
20	64QAM	50	0	19.85	19.98	20.00				
20	64QAM	50	24	19.93	19.97	20.00	20.8	0		
20	64QAM	50	50	19.91	19.97	20.02				
20	64QAM	100	0	19.85	19.92	19.94				
Channel				132047	132322	132697	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	19.88	19.68	19.64	20.8	0		
15	QPSK	1	37	19.71	19.81	19.96				
15	QPSK	1	74	19.79	19.45	19.52				
15	QPSK	36	0	19.82	19.79	19.88	20.8	0		
15	QPSK	36	20	19.66	19.89	19.89				
15	QPSK	36	39	19.71	19.77	20.03				
15	QPSK	75	0	19.89	19.76	19.90	20.8	0		
15	16QAM	1	0	19.69	19.95	19.74				
15	16QAM	1	37	19.77	20.04	19.81				
15	16QAM	1	74	19.72	19.62	19.86	20.8	0		
15	16QAM	36	0	19.67	19.83	19.94				
15	16QAM	36	20	19.85	19.77	19.82				
15	16QAM	36	39	19.63	19.85	19.94	20.8	0		
15	16QAM	75	0	19.62	19.73	19.84				
15	64QAM	1	0	20.03	19.73	19.88				
15	64QAM	1	37	19.99	20.02	19.92	20.8	0		
15	64QAM	1	74	19.92	19.71	19.90				
15	64QAM	36	0	19.80	19.80	19.73				
15	64QAM	36	20	19.80	19.81	19.96	20.8	0		
15	64QAM	36	39	19.74	19.82	19.96				
15	64QAM	75	0	19.81	19.72	19.87				
Channel				132022	132322	132692	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	19.64	19.63	19.73	20.8	0		
10	QPSK	1	25	19.64	19.99	19.74				
10	QPSK	1	49	19.76	19.70	19.57				
10	QPSK	25	0	19.81	19.79	19.96	20.8	0		
10	QPSK	25	12	19.83	19.87	19.83				
10	QPSK	25	25	19.83	19.83	19.83				
10	QPSK	50	0	19.69	19.71	19.70	20.8	0		
10	16QAM	1	0	19.90	19.96	19.87				
10	16QAM	1	25	19.77	19.87	19.81				
10	16QAM	1	49	19.86	19.77	19.76	20.8	0		
10	16QAM	25	0	19.68	19.73	19.87				
10	16QAM	25	12	19.82	19.76	19.76				
10	16QAM	25	25	19.90	19.90	19.90	20.8	0		
10	16QAM	50	0	19.74	19.73	19.64				
10	64QAM	1	0	19.88	20.01	19.90				
10	64QAM	1	25	20.04	19.77	19.90	20.8	0		
10	64QAM	1	49	19.70	19.68	19.65				
10	64QAM	25	0	19.77	19.98	19.99				
10	64QAM	25	12	19.72	19.76	19.95	20.8	0		
10	64QAM	25	25	19.68	19.92	19.94				
10	64QAM	50	0	19.72	19.69	19.65				
Channel				131597	132322	132647	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1772.5				
5	QPSK	1	0	19.72	19.78	19.65	20.8	0		
5	QPSK	1	12	19.75	20.05	19.94				
5	QPSK	1	24	19.77	19.67	19.78				
5	QPSK	12	0	19.65	20.03	19.98	20.8	0		
5	QPSK	12	7	19.82	19.93	19.84				
5	QPSK	12	13	19.77	19.91	19.81				
5	QPSK	25	0	19.88	19.82	19.91	20.8	0		
5	16QAM	1	0	19.90	19.88	19.72				
5	16QAM	1	12	19.96	19.77	19.97				
5	16QAM	1	24	19.69	19.67	19.82	20.8	0		
5	16QAM	12	0	19.58	19.75	19.79				
5	16QAM	12	7	19.73	19.80	19.85				
5	16QAM	12	13	19.63	19.93	19.91	20.8	0		
5	16QAM	25	0	19.71	19.76	19.82				
5	64QAM	1	0	19.90	20.05	19.96				
5	64QAM	1	12	19.89	19.95	20.01	20.8	0		
5	64QAM	1	24	19.86	19.69	19.78				
5	64QAM	12	0	19.70	19.93	19.91				
5	64QAM	12	7	19.77	19.73	19.90	20.8	0		
5	64QAM	12	13	19.67	19.93	19.73				
5	64QAM	25	0	19.76	19.68	19.98				
Channel				131597	132322	132697	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1778.5				
3	QPSK	1	0	19.76	19.65	19.70	20.8	0		
3	QPSK	1	8	19.96	20.07	19.80				
3	QPSK	1	14	19.64	19.72	19.59				
3	QPSK	8	0	19.69	19.95	19.92	20.8	0		
3	QPSK	8	4	19.81	19.80	19.78				
3	QPSK	8	7	19.76	19.75	19.98				
3	QPSK	15	0	19.72	19.81	19.65	20.8	0		
3	16QAM	1	0	19.95	19.78	19.96				
3	16QAM	1	8	19.91	19.85	19.97				
3	16QAM	1	14	19.68	19.76	19.86	20.8	0		
3	16QAM	8	0	19.66	19.80	19.77				
3	16QAM	8	4	19.64	19.74	19.76				
3	16QAM	8	7	19.91	19.79	19.80	20.8	0		
3	16QAM	15	0	19.67	19.70	19.88				
3	64QAM	1	0	20.05	20.00	19.98				
3	64QAM	1	8	19.91	19.86	19.75	20.8	0		
3	64QAM	1	14	19.83	19.80	19.82				
3	64QAM	8	0	19.74	19.90	19.93				
3	64QAM	8	4	19.72	19.79	19.90	20.8	0		
3	64QAM	8	7	19.82	19.97	19.80				
3	64QAM	15	0	19.62	19.76	19.92				
Channel				131979	132322	132695	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1745	1779.3				
1.4	QPSK	1	0	19.65	19.65	19.70	20.8	0		
1.4	QPSK	1	8	19.96	20.07	19.80				
1.4	QPSK	1	5	19.58	19.69	19.71				
1.4	QPSK	3	0	19.80	19.90	19.78	20.8	0		
1.4	QPSK	3	3	19.68	19.83	19.99				
1.4	QPSK	6	0	19.83	19.79	19.88				
1.4	16QAM	1	0	19.86	19.78	19.89	20.8	0		
1.4	16QAM	3	3	19.91	19.94	19.91				
1.4	16QAM	1	5	19.78	19.75	19.84				
1.4	16QAM	3	0	19.74	19.83	19.96	20.8	0		
1.4	16QAM	3	1	19.78	19.94	19.76				
1.4	16QAM	3	5	19.86	19.88	19.78				
1.4	16QAM	1	0	19.66	19.79	19.96	20.8	0		
1.4	64QAM	1	0	19.81	19.76	19.81				
1.4	64QAM	1	3	19.84	19.83	19.74				
1.4	64QAM	1	5	19.89	19.78	19.79	20.8	0		
1.4	64QAM	3	0	19.67	19.92	19.80				
1.4	64QAM	1	1	19.79	19.76	19.83				
1.4	64QAM	3	3	19.91	19.76	19.93	20.8	0		
1.4	64QAM	6	0	19.80	19.70	19.92				

Band 38 Ant 0_DSI18

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Int (ms)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.18	23.21	23.19	23.8	0		
20	QPSK	1	49	23.22	23.35	23.34				
20	QPSK	1	99	23.30	23.30	23.30				
20	QPSK	50	0	22.23	22.27	22.25	22.8	1		
20	QPSK	50	24	22.21	22.25	22.23				
20	QPSK	50	50	22.18	22.23	22.21				
20	QPSK	100	0	22.19	22.21	22.21	22.8	1		
20	16QAM	1	0	22.22	22.25	22.23				
20	16QAM	1	49	22.36	22.42	22.40				
20	16QAM	1	99	22.42	22.40	22.34	21.8	2		
20	16QAM	50	0	21.12	21.18	21.15				
20	16QAM	50	24	21.19	21.19	21.26				
20	16QAM	50	50	21.25	21.30	21.26	21.8	2		
20	16QAM	100	0	21.23	21.32	21.28				
20	64QAM	1	0	20.84	20.86	20.90				
20	64QAM	1	49	21.00	21.02	21.07	20.8	3		
20	64QAM	1	99	21.07	21.03	21.05				
20	64QAM	50	0	20.13	20.19	20.22				
20	64QAM	50	24	20.22	20.20	20.29	100-up Int (ms)	MFR (dB)		
20	64QAM	50	50	20.19	20.31	20.28				
20	64QAM	100	0	20.16	20.21	20.26				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.17	23.24	23.23	23.8	0		
15	QPSK	1	37	23.27	23.31	23.32				
15	QPSK	1	74	23.30	23.31	23.34				
15	QPSK	36	0	22.28	22.35	22.30	22.8	1		
15	QPSK	36	20	22.32	22.37	22.36				
15	QPSK	36	39	22.37	22.37	22.38				
15	QPSK	75	0	22.33	22.35	22.36	22.8	1		
15	16QAM	1	0	22.34	22.42	22.39				
15	16QAM	1	37	22.46	22.50	22.45				
15	16QAM	1	74	22.49	22.47	22.48	21.8	2		
15	16QAM	36	0	21.27	21.36	21.37				
15	16QAM	36	20	21.32	21.36	21.37				
15	16QAM	36	39	21.33	21.38	21.37	21.8	2		
15	16QAM	75	0	21.36	21.41	21.38				
15	64QAM	1	0	21.03	21.09	21.06				
15	64QAM	1	37	21.12	21.19	21.20	20.8	3		
15	64QAM	1	74	21.13	21.14	21.15				
15	64QAM	36	0	20.35	20.39	20.39				
15	64QAM	36	20	20.35	20.39	20.39	100-up Int (ms)	MFR (dB)		
15	64QAM	36	39	20.33	20.39	20.40				
15	64QAM	75	0	20.34	20.39	20.36				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.19	23.27	23.26	23.8	0		
10	QPSK	1	25	23.24	23.29	23.33				
10	QPSK	1	49	23.26	23.27	23.35				
10	QPSK	25	0	22.35	22.43	22.42	22.8	1		
10	QPSK	25	12	22.34	22.41	22.42				
10	QPSK	25	25	22.35	22.42	22.48				
10	16QAM	1	0	22.42	22.46	22.44	22.8	1		
10	16QAM	1	25	22.43	22.51	22.53				
10	16QAM	1	49	22.44	22.47	22.50				
10	16QAM	25	0	21.36	21.44	21.46	21.8	2		
10	16QAM	25	12	21.35	21.40	21.47				
10	16QAM	25	25	21.39	21.41	21.45				
10	16QAM	50	0	21.37	21.45	21.44	21.8	2		
10	16QAM	50	1	21.08	21.13	21.16				
10	64QAM	1	25	21.10	21.18	21.22				
10	64QAM	1	49	21.10	21.13	21.16	20.8	3		
10	64QAM	25	0	20.37	20.45	20.48				
10	64QAM	25	12	20.38	20.43	20.48				
10	64QAM	25	25	20.40	20.46	20.48	100-up Int (ms)	MFR (dB)		
10	64QAM	50	0	20.39	20.43	20.40				
10	64QAM	50	0	20.39	20.44	20.48				

Band 41 Ant 0_DSI18

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up Int (ms)	MFR (dB)		
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.41	22.39	22.48	22.58	22.34	23.8	0		
20	QPSK	1	49	22.49	22.45	22.59	22.54	22.40				
20	QPSK	1	99	22.43	22.40	22.58	22.50	22.47				
20	QPSK	50	0	21.54	21.53	21.70	21.69	21.50	22.8	1		
20	QPSK	50	24	21.59	21.49	21.60	21.57	21.49				
20	QPSK	50	50	21.51	21.41	21.53	21.53	21.40				
20	QPSK	100	0	21.57	21.49	21.71	21.63	21.42	21.8	2		
20	16QAM	1	0	21.54	21.46	21.48	21.53	21.44				
20	16QAM	1	49	21.69	21.63	21.76	21.70	21.69				
20	16QAM	1	99	21.69	21.67	21.62	21.69	21.68	21.8	2		
20	16QAM	50	0	20.49	20.37	20.56	20.41	20.36				
20	16QAM	50	24	20.45	20.53	20.49	20.52	20.51				
20	16QAM	50	50	20.54	20.57	20.60	20.48	20.54	21.8	2		
20	16QAM	100	0	20.55	20.47	20.71	20.55	20.54				
20	64QAM	1	0	20.22	20.14	20.21	20.13	20.12				
20	64QAM	1	49	20.33	20.33	20.44	20.25	20.37	21.8	2		
20	64QAM	1	99	20.31	20.29	20.45	20.31	20.30				
20	64QAM	50	0	19.47	19.37	19.42	19.37	19.36				
20	64QAM	50	24	19.54	19.45	19.56	19.53	19.40	20.8	3		
20	64QAM	50	50	19.55	19.56	19.57	19.56	19.46				
20	64QAM	100	0	19.52	19.42	19.61	19.53	19.42				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.46	22.47	22.46	22.42	22.39	24	0		
15	QPSK	1	37	22.54	22.44	22.53	22.51	22.58				
15	QPSK	1	74	22.45	22.55	22.54	22.57	22.33				
15	QPSK	36	0	21.56	21.66	21.61	21.52	21.60	22.8	1		
15	QPSK	36	20	21.68	21.59	21.63	21.63	21.52				
15	QPSK	36	39	21.59	21.62	21.62	21.59	21.47				
15	QPSK	75	0	21.68	21.57	21.60	21.60	21.57	22.8	1		
15	16QAM	1	0	21.64	21.60	21.68	21.66	21.63				
15	16QAM	1	37	21.68	21.62	21.87	21.71	21.62				
15	16QAM	1	74	21.73	21.65	21.79	21.76	21.49	21.8	2		
15	16QAM	36	0	20.88	20.81	20.98	20.49	20.55				
15	16QAM	36	20	20.67	20.60	20.67	20.53	20.51				
15	16QAM	36	39	20.50	20.65	20.66	20.53	20.65	21.8	2		
15	16QAM	75	0	20.55	20.70	20.77	20.77	20.69				
15	64QAM	1	0	20.63	20.35	20.39	20.34	20.33				
15	64QAM	1	37	20.59	20.46	20.53	20.24	20.42	21.8	2		
15	64QAM	1	74	20.38	20.39	20.48	20.37	20.29				
15	64QAM	36	0	19.47	19.64	19.70	19.66	19.55				
15	64QAM	36	20	19.35	19.63	19.74	19.57	19.55	20.8	3		
15	64QAM	36	39	19.54	19.54	19.73	19.66	19.51				
15	64QAM	75	0	19.54	19.64	19.76	19.67	19.57				
Channel												
Frequency (MHz)												
10	QPSK	0	0	22.43	22.38	22.56	22.56	22.57	23.80	0		
10	QPSK	1	25	22.55	22.57	22.51	22.51	22.57				
10	QPSK	1	49	22.48	22.55	22.53	22.51	22.40				
10	QPSK	25	0	21.73	21.65	21.79	21.62	21.75	22.8	1		
10	QPSK	25	12	21.59	21.59	21.70	21.69	21.75				
10	QPSK	25	25	21.72	21.62	21.81	21.69	21.84				
10	QPSK	50	0	21.67	21.72	21.83	21.68	21.66	22.8	1		
10	16QAM	1	0	21.81	21.64	21.83	21.63	21.71				
10	16QAM	1	25	21.76	21.76	21.88	21.74	21.74				
10	16QAM	1	49	21.67	21.77	21.81	21.66	21.77	21.8	2		
10	16QAM	25	0	20.64	20.64	20.62	20.73	20.69				
10	16QAM	25	12	20.64	20.67	20.67	20.71	20.71				
10	16QAM	25	25	20.65	20.63	20.81	20.70	20.67	21.8	2		
10	16QAM	50	0	20.77	20.70	20.75	20.68	20.74				
10	16QAM	50	12	20.74	20.73	20.81	20.73	20.73				
10	16QAM	1	25	20.38	20.47	20.53	20.40	20.42	21.8	2		
10	64QAM	1	49	20.39	20.42	20.52	20.29	20.35				
10	64QAM	25	0	19.65	19.70	19.72	19.63	19.71				
10	64QAM	25	12	19.68	19.67	19.75	19.67	19.64	20.8	3		
10	64QAM	25	25	19.74	19.65	19.80	19.64	19.70				
10	64QAM	50	0	19.55	19.58	19.67	19.67	19.69				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.38	22.53	22.56	22.45	22.54	23.80	0		
5	QPSK	1	12	22.50	22.48	22.52	22.56	22.47				
5	QPSK	1	24	22.42	22.53	22.53	22.51	22.47				
5	QPSK	12	0	21.66	21.59	21.74	21.70	21.73	22.8	1		
5	QPSK	12	7	21.70	21.71	21.81	21.66	21.67				
5	QPSK	12	14	21.72	21.73	21.83	21.67	21.67				
5	QPSK	25	0	21.66	21.69	21.83	21.72	21.69	22.8	1		
5	16QAM	1	0	21.85	21.77	21.89	21.70	21.74				
5	16QAM	1	12	21.86	21.86	21.93	21.70	21.74				
5	16QAM	1	24	21.79	21.73	21.81	21.78	21.76	21.8	2		
5	16QAM	12	0	20.65	20.60	20.70	20.57	20.62				
5	16QAM	12	7	20.65	20.55	20.58	20.62	20.56				
5	16QAM	12	14	20.72	20.72	20.72	20.61	20.61	21.8	2		
5	16QAM	25	0	20.78	20.62	20.69	20.29	20.35				
5	64QAM	1	12	20.43	20.50	20.47	20.26	20.35				
5	64QAM	1	24	20.47	20.52	20.43	20.28	20.38	21.8	2		
5	64QAM	1	24	20.39	20.39	20.51	20.38	20.39				
5	64QAM	12	0	19.66	19.62	19.74	19.56	19.58				
5	64QAM	12	7	19.67	19.66	19.71	19.60	19.56				
5	64QAM	12	14	19.67	19.75	19.75	19.63	19.63				
5	64QAM	25	0	19.73	19.65	19.85	19.62	19.71				

GSM850 Ant 1, DSII8		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	169	251		128	169	251	
Frequency (MHz)		824.2	835.4	849.3		824.2	835.4	849.3	
GSM 1 Tx slot		32.22	32.43	32.23	33.30	23.22	23.43	23.23	24.30
GPRS 1 Tx slot		32.21	32.41	32.21	33.30	23.21	23.41	23.21	24.30
GPRS 2 Tx slots		30.03	30.12	30.01	31.30	24.03	24.12	24.01	25.30
GPRS 3 Tx slots		27.73	27.86	27.72	28.80	23.47	23.60	23.46	24.54
GPRS 4 Tx slots		27.05	27.14	27.05	28.30	24.05	24.14	24.05	25.30
EDGE(GMSK 1 Tx slot)		32.20	32.38	32.20	33.30	23.20	23.38	23.20	24.30
EDGE(GMSK 2 Tx slots)		30.02	30.11	29.98	31.30	24.02	24.11	23.98	25.30
EDGE(GMSK 3 Tx slots)		27.70	27.85	27.69	28.80	23.44	23.59	23.43	24.54
EDGE(GMSK 4 Tx slots)		27.03	27.10	27.00	28.30	24.03	24.10	24.00	25.30
EDGE 1 Tx slot		26.81	26.72	26.74	27.80	17.81	17.72	17.74	18.80
EDGE 2 Tx slots		23.43	23.36	23.46	24.80	17.43	17.36	17.46	18.80
EDGE 3 Tx slots		20.99	20.95	20.98	22.30	16.73	16.68	16.72	18.04
EDGE 4 Tx slots		20.68	20.58	20.75	21.80	17.68	17.58	17.75	18.80

GSM1900 Ant 1, DSII8		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		27.02	27.01	26.90	27.60	18.02	18.01	17.90	18.60
GPRS 1 Tx slot		27.03	27.05	26.90	27.60	18.03	18.05	17.90	18.60
GPRS 2 Tx slots		24.30	24.30	24.22	25.10	18.30	18.30	18.22	19.10
GPRS 3 Tx slots		22.21	22.25	22.15	22.80	17.95	17.99	17.89	18.54
GPRS 4 Tx slots		21.48	21.59	21.49	22.30	18.48	18.59	18.49	19.30
EDGE(GMSK 1 Tx slot)		27.02	27.03	26.88	27.60	18.02	18.03	17.88	18.60
EDGE(GMSK 2 Tx slots)		24.28	24.37	24.21	25.10	18.28	18.37	18.21	19.10
EDGE(GMSK 3 Tx slots)		22.20	22.21	22.10	22.80	17.94	17.95	17.84	18.54
EDGE(GMSK 4 Tx slots)		21.45	21.56	21.48	22.30	18.45	18.56	18.48	19.30
EDGE 1 Tx slot		21.90	21.96	21.92	23.10	12.90	12.96	12.92	14.10
EDGE 2 Tx slots		19.88	19.94	19.90	20.80	13.88	13.94	13.90	14.80
EDGE 3 Tx slots		18.69	18.76	18.71	19.10	14.43	14.50	14.45	14.84
EDGE 4 Tx slots		16.80	16.87	16.83	17.30	13.80	13.87	13.83	14.30

Band		WCDMA II Ant 1, DSII8			Tune-up Limit (dBm)	WCDMA IV Ant 1, DSII8			Tune-up Limit (dBm)	WCDMA V Ant 1, DSII8			Tune-up Limit (dBm)
Rx Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Frequency (MHz)		9662	9800	9938		1537	1638	1738		4357	4407	4458	
3GPP Rel 99	AMR 12.2Kbps	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	19.57	19.60	19.55	20.60	19.46	19.48	19.42	20.60	23.73	23.79	23.68	24.80
3GPP Rel 99	RMC 12.2Kbps	19.58	19.61	19.56	20.60	19.47	19.50	19.43	20.60	23.79	23.81	23.68	24.80
3GPP Rel 6	HSDPA Subtest-1	18.58	18.56	18.53	19.60	18.36	18.33	18.29	19.60	22.76	22.71	22.63	23.80
3GPP Rel 6	HSDPA Subtest-2	18.56	18.52	18.50	19.60	18.36	18.32	18.28	19.60	22.75	22.69	22.58	23.80
3GPP Rel 6	HSDPA Subtest-3	18.10	18.06	18.05	18.60	17.88	17.84	17.77	18.60	22.26	22.24	22.12	23.30
3GPP Rel 6	HSDPA Subtest-4	18.05	18.04	17.99	18.60	17.83	17.79	17.73	18.60	22.21	22.20	22.06	23.30
3GPP Rel 6	DC-HSDPA Subtest-1	18.56	18.52	18.49	19.60	18.31	18.30	18.26	19.60	22.75	22.53	22.59	23.80
3GPP Rel 6	DC-HSDPA Subtest-2	18.52	18.50	18.49	19.60	18.32	18.29	18.21	19.60	22.66	22.53	22.48	23.80
3GPP Rel 6	DC-HSDPA Subtest-3	18.08	18.01	18.00	18.60	17.87	17.79	17.72	18.60	22.19	22.15	22.05	23.30
3GPP Rel 6	DC-HSDPA Subtest-4	18.04	18.00	17.97	18.60	17.81	17.75	17.72	18.60	22.15	22.01	21.86	23.30
3GPP Rel 6	HSUPA Subtest-1	16.84	16.95	16.98	17.60	16.85	16.88	16.88	17.60	21.19	21.15	21.05	21.80
3GPP Rel 6	HSUPA Subtest-2	15.44	15.45	15.42	16.60	15.42	15.32	15.37	16.60	19.65	19.65	19.51	20.80
3GPP Rel 6	HSUPA Subtest-3	16.45	16.43	16.47	17.60	16.39	16.31	16.40	17.60	20.73	20.67	20.54	21.80
3GPP Rel 6	HSUPA Subtest-4	15.97	15.91	15.94	17.10	15.87	15.89	15.87	17.10	20.18	20.12	20.03	21.30
3GPP Rel 6	HSUPA Subtest-5	18.37	18.37	18.44	19.60	18.37	18.36	18.34	19.60	22.70	22.70	22.50	23.80
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.24	18.38	18.36	19.60	18.35	18.28	18.25	19.60	22.31	22.37	22.28	23.80

Band 2 Ant 1_DS118												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Edge	Power Middle Ch. / Edge	Power High Ch. / Edge	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				1860	1880	1900						
20	QPSK	1	0	19.25	19.33	19.27	20.3	0				
20	QPSK	1	49	19.35	19.37	19.28						
20	QPSK	1	99	19.11	19.31	19.26						
20	QPSK	50	0	19.35	19.45	19.35						
20	QPSK	50	24	19.33	19.39	19.41	20.3	0				
20	QPSK	50	50	19.30	19.36	19.24						
20	QPSK	100	0	19.39	19.42	19.38						
20	16QAM	1	0	19.33	19.43	19.19						
20	16QAM	1	49	19.28	19.34	19.11	20.3	0				
20	16QAM	1	99	19.41	19.43	19.13						
20	16QAM	50	0	19.41	19.29	19.43						
20	16QAM	50	24	19.42	19.46	19.37						
20	16QAM	50	50	19.31	19.36	19.32	20.3	0				
20	16QAM	100	0	19.35	19.38	19.35						
20	64QAM	1	0	19.38	19.40	19.22						
20	64QAM	1	49	19.38	19.44	19.40						
20	64QAM	1	99	19.32	19.48	19.25	20.3	0				
20	64QAM	50	0	19.33	19.39	19.22						
20	64QAM	50	24	19.38	19.39	19.38						
20	64QAM	50	50	19.33	19.39	19.34						
20	64QAM	100	0	19.30	19.26	19.30	20.3	0				
Channel				1867.5	1890.0	1912.5						
Frequency (MHz)				1857.5	1880.0	1902.5	Tune-up limit (dBm)	MPR (dB)				
15	QPSK	1	0	19.20	19.25	19.18	20.3	0				
15	QPSK	1	37	19.34	19.47	19.27						
15	QPSK	1	74	19.01	19.23	19.21						
15	QPSK	36	0	19.32	19.41	19.29						
15	QPSK	36	20	19.29	19.30	19.34	20.3	0				
15	QPSK	36	39	19.22	19.28	19.17						
15	QPSK	75	0	19.29	19.36	19.35						
15	16QAM	1	0	19.26	19.34	19.16						
15	16QAM	1	37	19.35	19.31	19.01	20.3	0				
15	16QAM	1	74	19.35	19.35	19.10						
15	16QAM	36	0	19.37	19.25	19.36						
15	16QAM	36	20	19.37	19.37	19.33						
15	16QAM	36	39	19.24	19.28	19.27	20.3	0				
15	16QAM	75	0	19.26	19.30	19.31						
15	64QAM	1	0	19.29	19.31	19.19						
15	64QAM	1	37	19.30	19.36	19.37						
15	64QAM	1	74	19.26	19.40	19.19	20.3	0				
15	64QAM	36	0	19.28	19.31	19.15						
15	64QAM	36	20	19.33	19.29	19.28						
15	64QAM	36	39	19.27	19.30	19.29						
15	64QAM	75	0	19.25	19.23	19.26	20.3	0				
Channel				1865.0	1890.0	1915.0						
Frequency (MHz)				1855 <th>1880<th>1905<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th data-cs="2" data-kind="parent"></th><th data-kind="ghost"></th></th></th>	1880 <th>1905<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th data-cs="2" data-kind="parent"></th><th data-kind="ghost"></th></th>	1905 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	Tune-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	19.15	19.25	19.20	20.3	0				
10	QPSK	1	25	19.31	19.45	19.27						
10	QPSK	1	49	19.01	19.26	19.17						
10	QPSK	25	0	19.30	19.39	19.30						
10	QPSK	25	12	19.28	19.29	19.36	20.3	0				
10	QPSK	25	25	19.22	19.27	19.17						
10	QPSK	50	0	19.35	19.32	19.28						
10	16QAM	1	0	19.27	19.38	19.16						
10	16QAM	1	25	19.28	19.25	19.05	20.3	0				
10	16QAM	1	49	19.33	19.40	19.04						
10	16QAM	25	0	19.38	19.26	19.38						
10	16QAM	25	12	19.33	19.37	19.30						
10	16QAM	25	25	19.21	19.26	19.26	20.3	0				
10	16QAM	50	0	19.27	19.35	19.26						
10	64QAM	1	0	19.33	19.31	19.19						
10	64QAM	1	25	19.32	19.35	19.36						
10	64QAM	1	49	19.27	19.39	19.15	20.3	0				
10	64QAM	25	0	19.29	19.32	19.13						
10	64QAM	25	12	19.33	19.31	19.35						
10	64QAM	25	25	19.25	19.32	19.26						
10	64QAM	50	0	19.25	19.24	19.20	20.3	0				
Channel				1865.5	1890.0	1917.5						
Frequency (MHz)				1852.5	1880.0	1907.5	Tune-up limit (dBm)	MPR (dB)				
5	QPSK	1	0	19.15	19.29	19.24	20.3	0				
5	QPSK	1	12	19.31	19.46	19.26						
5	QPSK	1	24	19.07	19.28	19.19						
5	QPSK	12	0	19.27	19.42	19.29						
5	QPSK	12	6	19.27	19.34	19.35	20.3	0				
5	QPSK	12	13	19.26	19.29	19.16						
5	QPSK	25	0	19.33	19.33	19.29						
5	16QAM	1	0	19.30	19.33	19.13						
5	16QAM	1	12	19.33	19.29	19.04	20.3	0				
5	16QAM	1	24	19.31	19.35	19.04						
5	16QAM	12	0	19.32	19.22	19.39						
5	16QAM	12	6	19.39	19.42	19.31						
5	16QAM	12	13	19.22	19.30	19.25	20.3	0				
5	16QAM	25	0	19.26	19.34	19.31						
5	64QAM	1	0	19.34	19.31	19.13						
5	64QAM	1	12	19.35	19.36	19.34						
5	64QAM	1	24	19.25	19.33	19.17	20.3	0				
5	64QAM	12	0	19.23	19.36	19.16						
5	64QAM	12	7	19.31	19.30	19.28						
5	64QAM	12	13	19.26	19.36	19.26						
5	64QAM	25	0	19.22	19.18	19.26	20.3	0				
Channel				1861.5	1890.0	1918.5						
Frequency (MHz)				1851.5	1880.0	1908.5	Tune-up limit (dBm)	MPR (dB)				
3	QPSK	1	0	19.21	19.27	19.21	20.3	0				
3	QPSK	1	7	19.33	19.47	19.27						
3	QPSK	1	14	19.04	19.28	19.16						
3	QPSK	8	0	19.28	19.42	19.29						
3	QPSK	8	4	19.29	19.29	19.38	20.3	0				
3	QPSK	8	7	19.26	19.27	19.21						
3	QPSK	15	0	19.36	19.38	19.29						
3	16QAM	1	0	19.28	19.30	19.12						
3	16QAM	1	8	19.33	19.24	19.05	20.3	0				
3	16QAM	1	14	19.31	19.37	19.10						
3	16QAM	8	0	19.35	19.24	19.40						
3	16QAM	8	4	19.34	19.43	19.33						
3	16QAM	8	7	19.27	19.32	19.24	20.3	0				
3	16QAM	15	0	19.30	19.20	19.26						
3	64QAM	1	0	19.31	19.35	19.15						
3	64QAM	1	8	19.30	19.35	19.32						
3	64QAM	1	14	19.29	19.39	19.20	20.3	0				
3	64QAM	8	0	19.29	19.31	19.18						
3	64QAM	8	4	19.30	19.32	19.30						
3	64QAM	15	0	19.23	19.35	19.17						



Band 5 Ant 1_DS18												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Edge	Power Middle Ch. / Edge	Power High Ch. / Edge	Tune-up limit (dBm)	MPR (dB)				
Channel				20450	20525	20600						
Frequency (MHz)				829	836.5	844						
10	QPSK	1	0	23.51	23.58	23.38	24.8	0				
10	QPSK	1	25	23.67	23.81	23.46						
10	QPSK	1	49	23.54	23.63	23.38						
10	QPSK	25	0	22.53	22.56	22.42						
10	QPSK	25	12	22.46	22.54	22.40	23.8	1				
10	QPSK	25	25	22.45	22.48	22.38						
10	QPSK	50	0	22.50	22.53	22.43						
10	16QAM	1	0	22.51	22.59	22.63						
10	16QAM	1	25	22.51	22.81	22.56	23.8	1				
10	16QAM	1	49	22.47	22.96	22.86						
10	16QAM	25	0	21.55	21.50	21.30						
10	16QAM	25	12	21.60	21.46	21.39						
10	16QAM	25	25	21.47	21.59	21.44	22.8	2				
10	16QAM	50	0	21.51	21.46	21.46						
10	64QAM	1	0	21.72	21.53	21.56						
10	64QAM	1	25	21.73	21.73	21.25						
10	64QAM	1	49	21.58	21.67	21.29	22.8	2				
10	64QAM	25	0	20.49	20.54	20.42						
10	64QAM	25	12	20.55	20.58	20.38						
10	64QAM	25	25	20.50	20.63	20.34						
10	64QAM	50	0	20.52	20.43	20.33	21.8	3				
Channel				20425	20525	20625						
Frequency (MHz)				828.5	836.5	846.5						
5	QPSK	1	0	23.54	23.77	23.45	24.8	0				
5	QPSK	1	12	23.75	23.67	23.76						
5	QPSK	1	24	23.54	23.63	23.60						
5	QPSK	12	0	22.77	22.85	22.56						
5	QPSK	12	7	22.70	22.82	22.54	23.8	1				
5	QPSK	12	13	22.63	22.69	22.52						
5	QPSK	25	0	22.60	22.67	22.59						
5	16QAM	1	0	23.24	23.15	23.02						
5	16QAM	1	12	22.64	22.68	23.04	23.8	1				
5	16QAM	1	24	22.43	22.90	23.16						
5	16QAM	12	0	21.69	21.65	21.51						
5	16QAM	12	7	21.56	21.63	21.51						
5	16QAM	12	13	21.57	21.66	21.42	22.8	2				
5	16QAM	25	0	21.65	21.68	21.50						
5	64QAM	1	0	21.72	21.97	21.44						
5	64QAM	1	12	22.06	21.53	21.57						
5	64QAM	1	24	21.54	21.40	21.31	22.8	2				
5	64QAM	12	0	20.73	20.57	20.46						
5	64QAM	12	7	20.65	20.70	20.47						
5	64QAM	12	13	20.52	20.67	20.52						
5	64QAM	25	0	20.60	20.68	20.56	204.15	20525	20635	Tune-up limit (dBm)	MPR (dB)	
Channel				825.5	836.5	847.5						
Frequency (MHz)				23.69	23.59	23.63						
3	QPSK	1	0	23.69	23.59	23.63	24.8	0				
3	QPSK	1	8	23.77	23.77	23.68						
3	QPSK	8	0	22.69	22.66	22.81						
3	QPSK	8	4	22.59	22.62	22.72						
3	QPSK	8	7	22.61	22.64	22.68	23.8	1				
3	QPSK	15	0	22.65	22.69	22.72						
3	16QAM	1	0	23.12	23.17	23.17						
3	16QAM	1	8	23.21	22.97	22.74						
3	16QAM	1	14	23.04	22.78	22.99	23.8	1				
3	16QAM	8	0	21.74	21.63	21.71						
3	16QAM	8	4	21.67	21.66	21.62						
3	16QAM	8	7	21.62	21.65	21.71						
3	16QAM	15	0	21.73	21.74	21.77	22.8	2				
3	64QAM	1	0	21.71	21.95	21.63						
3	64QAM	1	8	21.77	21.74	21.84						
3	64QAM	1	14	21.95	21.89	21.47						
3	64QAM	8	0	20.72	20.66	20.76	21.8	3				
3	64QAM	8	4	20.58	20.62	20.67						
3	64QAM	8	7	20.62	20.56	20.68						
3	64QAM	15	0	20.56	20.56	20.71						
Channel				20407	20525	20643	204.15	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3						
1.4	QPSK	1	0	23.75	23.39	23.71						
1.4	QPSK	1	3	23.80	23.58	23.71						
1.4	QPSK	1	5	23.70	23.76	23.80	24.8	0				
1.4	QPSK	3	0	23.60	23.67	23.66						
1.4	QPSK	3	1	23.66	23.55	23.76						
1.4	QPSK	3	3	23.64	23.55	23.73						
1.4	QPSK	6	0	22.62	22.65	22.77	23.8	1				
1.4	16QAM	1	0	23.15	22.74	22.68						
1.4	16QAM	1	3	22.89	22.89	23.28						
1.4	16QAM	1	5	23.11	23.15	23.16						
1.4	16QAM	3	0	22.85	22.87	22.85	23.8	1				
1.4	16QAM	3	1	22.63	22.69	22.84						
1.4	16QAM	3	3	22.70	22.72	22.72						
1.4	16QAM	6	0	21.65	21.83	21.81						
1.4	64QAM	1	0	21.89	21.78	21.96	22.8	2				
1.4	64QAM	1	3	22.01	21.92	22.12						
1.4	64QAM	1	5	21.42	21.65	21.65						
1.4	64QAM	3	0	21.62	21.86	21.85						
1.4	64QAM	3	1	21.72	21.78	21.83	22.8	2				
1.4	64QAM	3	3	21.44	21.74	21.87						
1.4	64QAM	6	0	20.60	20.60	20.70						
1.4	64QAM	6	0	20.60	20.60	20.70						

Band 7 Ant 1_DS18										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Edge	Power Middle Ch. / Edge	Power High Ch. / Edge	Tune-up limit (dbm)	MPR (db)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	20.25	20.25	20.16	20.6	0		
20	QPSK	1	49	20.40	20.43	20.36				
20	QPSK	1	99	20.37	20.32	20.35				
20	QPSK	50	0	20.16	20.32	20.25				
20	QPSK	50	24	20.25	20.30	20.22	20.6	0		
20	QPSK	50	50	20.29	20.25	20.20				
20	QPSK	100	0	20.21	20.35	20.17				
20	16QAM	1	0	20.25	20.28	20.22				
20	16QAM	1	49	20.15	20.21	20.38	20.6	0		
20	16QAM	1	99	20.00	20.04	20.03				
20	16QAM	50	0	20.18	20.31	20.26				
20	16QAM	50	24	20.27	20.31	20.18				
20	16QAM	50	50	20.31	20.31	20.19	20.6	0		
20	16QAM	100	0	20.21	20.21	20.18				
20	64QAM	1	0	20.15	20.16	20.08	20.6	0		
20	64QAM	1	49	20.32	20.37	20.38				
20	64QAM	1	99	20.23	20.22	20.31				
20	64QAM	50	0	20.12	20.29	20.30				
20	64QAM	50	24	20.24	20.29	20.20	20.6	0		
20	64QAM	50	50	20.28	20.32	20.21				
20	64QAM	100	0	20.21	20.21	20.15				
20	64QAM	100	0	20.23	21.03	20.75				
Channel				2507.5	2535	2567.5	Tune-up limit (dbm)	MPR (db)		
15	QPSK	1	0	19.98	20.01	20.02	20.6	0		
15	QPSK	1	37	20.34	20.38	20.31				
15	QPSK	1	74	20.14	20.05	20.07				
15	QPSK	36	0	20.16	20.18	20.25				
15	QPSK	36	20	20.09	20.27	20.14	20.6	0		
15	QPSK	36	39	20.17	20.19	20.14				
15	QPSK	75	0	20.02	20.21	19.92				
15	16QAM	1	0	19.97	20.00	20.03				
15	16QAM	1	37	20.12	20.15	19.97	20.6	0		
15	16QAM	1	74	19.91	20.02	19.77				
15	16QAM	36	0	20.09	20.30	20.02				
15	16QAM	36	20	20.26	20.26	20.15				
15	16QAM	36	39	20.25	20.25	20.18	20.6	0		
15	16QAM	75	0	19.96	19.98	20.16				
15	64QAM	1	0	19.91	20.07	19.96				
15	64QAM	1	37	20.10	20.15	20.00				
15	64QAM	1	74	20.04	20.19	20.17	20.6	0		
15	64QAM	36	0	19.96	20.14	20.13				
15	64QAM	36	20	20.16	20.24	20.07				
15	64QAM	36	39	20.20	20.29	20.04				
15	64QAM	75	0	20.07	20.20	20.00	20.6	0		
Channel				20800	21100	21400				
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	19.99	20.12	20.04			20.6	0
10	QPSK	1	25	20.16	20.40	20.27				
10	QPSK	1	49	20.11	20.05	20.23				
10	QPSK	25	0	20.08	20.17	19.96				
10	QPSK	25	12	20.22	20.15	20.22	20.6	0		
10	QPSK	25	25	20.26	19.97	19.96				
10	QPSK	50	0	20.08	20.15	20.17				
10	16QAM	1	0	20.20	20.17	20.00				
10	16QAM	1	25	20.01	20.12	19.96	20.6	0		
10	16QAM	1	49	19.93	19.83	19.94				
10	16QAM	25	0	19.97	20.21	20.22				
10	16QAM	25	12	20.17	20.03	20.05				
10	16QAM	25	25	20.04	20.02	20.01	20.6	0		
10	16QAM	50	0	20.16	19.98	20.03				
10	64QAM	1	0	20.13	20.06	19.92				
10	64QAM	1	25	20.11	20.08	20.20				
10	64QAM	1	49	20.07	20.06	20.16	20.6	0		
10	64QAM	25	0	19.90	20.17	20.05				
10	64QAM	25	12	20.07	20.02	20.17				
10	64QAM	25	25	20.18	20.18	20.07				
10	64QAM	50	0	20.18	19.92	20.10	20.6	0		
Channel				20875	21100	21400				
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	20.24	20.05	20.08			20.6	0
5	QPSK	1	12	20.27	20.30	20.30				
5	QPSK	1	24	20.21	20.19	20.06				
5	QPSK	12	0	20.16	20.22	20.04				
5	QPSK	12	7	20.14	20.25	20.11	20.6	0		
5	QPSK	12	13	20.16	20.23	20.33				
5	16QAM	1	0	19.95	20.11	19.94				
5	16QAM	1	0	20.13	20.06	20.18				
5	16QAM	1	12	20.14	20.21	20.03	20.6	0		
5	16QAM	1	24	19.72	19.77	19.94				
5	16QAM	12	0	19.94	20.15	20.08				
5	16QAM	12	7	20.04	20.26	20.16				
5	16QAM	12	13	20.30	20.20	20.14	20.6	0		
5	16QAM	25	0	20.08	20.00	20.01				
5	64QAM	1	0	19.88	20.05	19.86				
5	64QAM	1	12	20.11	20.08	20.19				
5	64QAM	1	24	20.01	19.96	20.31	20.6	0		
5	64QAM	12	0	19.95	20.20	20.08				
5	64QAM	12	7	20.04	20.23	20.14				
5	64QAM	12	13	20.14	20.03	19.98				
5	64QAM	25	0	20.18	20.07	20.13	20.6	0		



Band 13 Ant 1_DSI18												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Error	Power Middle Ch. / Error	Power High Ch. / Error	Tune-up limit (dbm)	MPR (db)				
Channel				23230			24.3	0				
Frequency (MHz)				782								
10	QPSK	1	0	23.40						23.3 <th rowspan="4">1</th> <th rowspan="4"></th>	1	
10	QPSK	1	25	23.41								
10	QPSK	1	49	23.36								
10	QPSK	25	0	22.35								
10	QPSK	25	12	22.33			23.3 <th rowspan="4">1</th> <th rowspan="4"></th>	1				
10	QPSK	25	25	22.32								
10	QPSK	50	0	22.39								
10	16QAM	1	0	22.68								
10	16QAM	1	25	22.73			23.3 <th rowspan="4">1</th> <th rowspan="4"></th>	1				
10	16QAM	1	49	22.75								
10	16QAM	25	0	21.20								
10	16QAM	25	12	21.36								
10	16QAM	25	25	21.46			22.3 <th rowspan="4">2</th> <th rowspan="4"></th>	2				
10	16QAM	50	0	21.36								
10	64QAM	1	0	21.48								
10	64QAM	1	25	21.55								
10	64QAM	1	49	21.54			22.3 <th rowspan="4">2</th> <th rowspan="4"></th>	2				
10	64QAM	25	0	20.21								
10	64QAM	25	12	20.36								
10	64QAM	25	25	20.43								
10	64QAM	50	0	20.32			21.3 <th rowspan="3">3</th> <th rowspan="3"></th>	3				
Channel				23205	23230	23255				Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				779.5	782	784.5						
5	QPSK	1	0	23.35	23.37	23.36	24.3 <th rowspan="4">0</th> <th rowspan="4"></th>	0				
5	QPSK	1	12	23.31	23.37	23.38						
5	QPSK	1	24	23.32	23.36	23.39						
5	QPSK	12	0	22.31	22.32	22.43						
5	QPSK	12	7	22.38	22.37	22.35	23.3 <th rowspan="4">1</th> <th rowspan="4"></th>	1				
5	QPSK	12	13	22.39	22.33	22.49						
5	QPSK	25	0	22.35	22.35	22.40						
5	16QAM	1	0	22.75	22.71	22.62						
5	16QAM	1	12	22.75	22.72	22.77	23.3 <th rowspan="4">1</th> <th rowspan="4"></th>	1				
5	16QAM	1	24	22.73	22.76	22.63						
5	16QAM	12	0	21.29	21.32	21.38						
5	16QAM	12	7	21.38	21.35	21.38						
5	16QAM	12	13	21.39	21.32	21.43	22.3 <th rowspan="4">2</th> <th rowspan="4"></th>	2				
5	16QAM	25	0	21.37	21.35	21.38						
5	64QAM	1	0	21.60	21.58	21.55						
5	64QAM	1	12	21.65	21.57	21.62						
5	64QAM	1	24	21.51	21.53	21.55	22.3 <th rowspan="4">2</th> <th rowspan="4"></th>	2				
5	64QAM	12	0	20.31	20.33	20.44						
5	64QAM	12	7	20.40	20.38	20.37						
5	64QAM	12	13	20.42	20.34	20.47						
5	64QAM	25	0	20.35	20.36	20.35	21.3 <th rowspan="1">3</th> <th rowspan="1"></th>	3				

Band 17 Ant 1 DSI18									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Error	Power Middle Ch. / Error	Power High Ch. / Error	Tune-up limit (dBm)	MPR (dB)	
Channel				23760	23790	23800	24.8	0	
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.70	23.74	23.69			
10	QPSK	1	25	23.80	23.89	23.75			
10	QPSK	1	49	23.79	23.83	23.75	23.8	1	
10	QPSK	25	0	22.77	22.89	22.74			
10	QPSK	25	12	22.74	22.84	22.77			
10	QPSK	25	25	22.78	22.82	22.75			
10	QPSK	50	0	22.79	22.86	22.77	23.8	1	
10	16QAM	1	0	22.97	23.13	22.91			
10	16QAM	1	25	23.03	23.25	23.04			
10	16QAM	1	49	23.03	23.27	23.08			
10	16QAM	25	0	21.77	21.88	21.77	22.8	2	
10	16QAM	25	12	21.75	21.87	21.73			
10	16QAM	25	25	21.76	21.83	21.74			
10	16QAM	50	0	21.76	21.82	21.73			
10	64QAM	1	0	21.75	21.89	21.79	22.8	2	
10	64QAM	1	25	21.88	22.09	21.82			
10	64QAM	1	49	21.89	22.00	21.82			
10	64QAM	25	0	20.72	20.83	20.74			
10	64QAM	25	12	20.72	20.82	20.70	21.8	3	
10	64QAM	25	25	20.70	20.81	20.73			
10	64QAM	50	0	20.75	20.82	20.74			
Channel				23755	23790	23825	24.8	0	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.69	23.76	23.68			
5	QPSK	1	12	23.77	23.77	23.75			
5	QPSK	1	24	23.80	23.75	23.77	23.8	1	
5	QPSK	12	0	22.75	22.76	22.73			
5	QPSK	12	7	22.75	22.72	22.75			
5	QPSK	12	13	22.77	22.69	22.69			
5	QPSK	25	0	22.74	22.73	22.73	23.8	1	
5	16QAM	1	0	23.10	23.10	23.06			
5	16QAM	1	12	23.11	23.12	23.03			
5	16QAM	1	24	23.16	23.09	23.11			
5	16QAM	12	0	21.74	21.74	21.72	22.8	2	
5	16QAM	12	7	21.73	21.73	21.70			
5	16QAM	12	13	21.76	21.68	21.66			
5	16QAM	25	0	21.74	21.75	21.77			
5	64QAM	1	0	21.87	21.93	21.91	22.8	2	
5	64QAM	1	12	21.94	21.95	21.82			
5	64QAM	1	24	21.97	21.88	21.98			
5	64QAM	12	0	20.77	20.77	20.72			
5	64QAM	12	7	20.78	20.70	20.73	21.8	3	
5	64QAM	12	13	20.74	20.68	20.69			
5	64QAM	25	0	20.74	20.72	20.70			

Band 25 Ant 1_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Error	Power Middle Ch. / Error	Power High Ch. / Error	Tune-up limit (dBm)	MPR (dB)	
Channel				26140	26340	26590			
Frequency (MHz)				1860	1880	1905			
20	QPSK	1	0	19.46	19.45	19.26	20.3	0	
20	QPSK	1	49	19.47	19.51	19.36			
20	QPSK	1	99	19.30	19.37	19.21			
20	QPSK	50	0	19.43	19.50	19.42			
20	QPSK	50	24	19.48	19.39	19.38	20.3	0	
20	QPSK	50	50	19.45	19.47	19.43			
20	QPSK	100	0	19.46	19.47	19.40			
20	16QAM	1	0	19.34	19.44	19.28			
20	16QAM	1	49	19.40	19.45	19.38	20.3	0	
20	16QAM	1	99	19.45	19.48	19.40			
20	16QAM	50	0	19.34	19.33	19.32			
20	16QAM	50	24	19.35	19.37	19.23			
20	16QAM	50	50	19.30	19.34	19.24	20.3	0	
20	16QAM	100	0	19.31	19.34	19.30			
20	64QAM	1	0	19.46	19.42	19.25			
20	64QAM	1	49	19.45	19.44	19.44			
20	64QAM	1	99	19.33	19.30	19.29	20.3	0	
20	64QAM	50	0	19.36	19.34	19.30			
20	64QAM	50	24	19.33	19.38	19.23			
20	64QAM	50	50	19.27	19.37	19.23			
20	64QAM	100	0	19.33	19.33	19.30			
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	19.38	19.42	19.16	20.3	0	
15	QPSK	1	37	19.44	19.46	19.32			
15	QPSK	1	74	19.25	19.33	19.11			
15	QPSK	36	0	19.34	19.45	19.32			
15	QPSK	36	20	19.44	19.34	19.32	20.3	0	
15	QPSK	36	39	19.42	19.42	19.33			
15	QPSK	75	0	19.43	19.39	19.33			
15	16QAM	1	0	19.24	19.39	19.20			
15	16QAM	1	37	19.30	19.36	19.35	20.3	0	
15	16QAM	1	74	19.35	19.42	19.36			
15	16QAM	36	0	19.36	19.25	19.35			
15	16QAM	36	20	19.25	19.34	19.14			
15	16QAM	36	39	19.27	19.25	19.15	20.3	0	
15	16QAM	75	0	19.26	19.27	19.25			
15	64QAM	1	0	19.45	19.39	19.22			
15	64QAM	1	37	19.37	19.38	19.41			
15	64QAM	1	74	19.27	19.22	19.24	20.3	0	
15	64QAM	36	0	19.32	19.31	19.24			
15	64QAM	36	20	19.25	19.31	19.14			
15	64QAM	36	39	19.21	19.29	19.19			
15	64QAM	75	0	19.28	19.23	19.21			
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1830	1860	1910			
10	QPSK	1	0	19.40	19.42	19.29	20.3	0	
10	QPSK	1	25	19.44	19.44	19.34			
10	QPSK	1	49	19.27	19.30	19.14			
10	QPSK	25	0	19.39	19.47	19.35			
10	QPSK	25	12	19.38	19.32	19.31	20.3	0	
10	QPSK	25	25	19.38	19.44	19.37			
10	QPSK	50	0	19.39	19.42	19.36			
10	16QAM	1	0	19.27	19.41	19.22			
10	16QAM	1	25	19.36	19.34	19.35	20.3	0	
10	16QAM	1	49	19.40	19.44	19.30			
10	16QAM	25	0	19.25	19.28	19.22			
10	16QAM	25	12	19.30	19.30	19.20			
10	16QAM	25	25	19.26	19.25	19.25	20.3	0	
10	16QAM	50	0	19.23	19.30	19.20			
10	64QAM	1	0	19.41	19.35	19.16			
10	64QAM	1	25	19.42	19.35	19.34			
10	64QAM	1	49	19.28	19.27	19.26	20.3	0	
10	64QAM	25	0	19.32	19.26	19.27			
10	64QAM	25	12	19.25	19.33	19.13			
10	64QAM	25	25	19.17	19.28	19.15			
10	64QAM	50	0	19.25	19.30	19.27			
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1912.5			
5	QPSK	1	0	19.42	19.40	19.18	20.3	0	
5	QPSK	1	12	19.45	19.48	19.33			
5	QPSK	1	24	19.23	19.31	19.13			
5	QPSK	12	0	19.40	19.40	19.30			
5	QPSK	12	7	19.39	19.29	19.30	20.3	0	
5	QPSK	12	13	19.42	19.37	19.37			
5	QPSK	25	0	19.42	19.37	19.37			
5	16QAM	1	0	19.26	19.41	19.23			
5	16QAM	1	10	19.33	19.41	19.30	20.3	0	
5	16QAM	1	24	19.36	19.34	19.20			
5	16QAM	12	0	19.29	19.24	19.25			
5	16QAM	12	7	19.30	19.28	19.14			
5	16QAM	12	13	19.25	19.24	19.17	20.3	0	
5	16QAM	25	0	19.27	19.29	19.26			
5	64QAM	1	0	19.43	19.36	19.22			
5	64QAM	1	12	19.38	19.39	19.40			
5	64QAM	1	24	19.25	19.26	19.20	20.3	0	
5	64QAM	12	0	19.32	19.25	19.24			
5	64QAM	12	7	19.28	19.35	19.14			
5	64QAM	12	13	19.20	19.30	19.13			
5	64QAM	25	0	19.27	19.27	19.25			
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	19.37	19.36	19.15	20.3	0	
3	QPSK	1	8	19.45	19.48	19.34			
3	QPSK	1	14	19.27	19.29	19.13			
3	QPSK	8	0	19.34	19.47	19.38			
3	QPSK	8	4	19.45	19.35	19.31	20.3	0	
3	QPSK	8	7	19.40	19.40	19.37			
3	QPSK	15	0	19.41	19.38	19.31			
3	16QAM	1	0	19.24	19.37	19.25			
3	16QAM	1	8	19.37	19.34	19.28	20.3	0	
3	16QAM	1	14	19.41	19.45	19.34			
3	16QAM	8	0	19.24	19.25	19.23			
3	16QAM	8	4	19.27	19.32	19.14			
3	16QAM	8	7	19.26	19.26	19.15	20.3	0	
3	16QAM	15	0	19.25	19.27	19.27			
3	64QAM	1	0	19.41	19.32	19.17			
3	64QAM	1	8	19.42	19.34	19.36			
3	64QAM	1	14	19.23	19.26	19.26	20.3	0	
3	64QAM	8	0	19.29	19.29	19.24			
3	64QAM	8	4	19.26	19.34	19.18			
3	64QAM	8	7	19.20	19.28	19.20			
3	64QAM	15	0	19.26	19.30	19.21			
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1830.7	1860	1914.3			
1.4	QPSK	1	0	19.40	19.40	19.23	20.3	0	
1.4	QPSK	1	3	19.43	19.40	19.33			
1.4	QPSK	1	5	19.24	19.27	19.18			
1.4	QPSK	3	0	19.36	19.40	19.35			
1.4	QPSK	3	1	19.44	19.31	19.30	20.3	0	
1.4	QPSK	3	3	19.38	19.37	19.40			
1.4	QPSK	6	0	19.43	19.39	19.32			
1.4	QPSK	6	1	19.33	19.35	19.35			
1.4	16QAM	1	3	19.31	19.36	19.30	20.3	0	
1.4	16QAM	1	5	19.36	19.38	19.36			
1.4	16QAM	3	0	19.28	19.26	19.26			
1.4	16QAM	3	1	19.27	19.33	19.20			
1.4	16QAM	3	3	19.20	19.28	19.15	20.3	0	
1.4	16QAM	6	0	19.26	19.24	19.24			
1.4	64QAM	1	0	19.38	19.36	19.19			
1.4	64QAM	1	3	19.36	19.35	19.35			
1.4	64QAM	3	0	19.28	19.27	19.21	20.3	0	
1.4	64QAM	3	1	19.26	19.24	19.23			
1.4	64QAM	3	1	19.29	19.33	19.14			
1.4	64QAM	3	3	19.24	19.33	19.16			
1.4	64QAM	6	0	19.30	19.28	19.25	20.3	0	



Band 25 Ant 4_DS118											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Emission	Power Middle Ch. / Emission	Power High Ch. / Emission	Tune-up limit (dbm)	MPR (db)			
Channel				26140	26340	26590					
Frequency (MHz)				1860	1880	1905					
20	QPSK	1	0	22.31	22.30	22.14	23.3	0			
20	QPSK	1	49	22.36	22.37	22.25					
20	QPSK	1	99	22.15	22.23	22.11					
20	QPSK	50	0	21.35	21.36	21.27					
20	QPSK	50	24	21.32	21.31	21.25	22.3	1			
20	QPSK	50	50	21.32	21.33	21.21					
20	QPSK	100	0	21.34	21.35	21.23					
20	16QAM	1	0	21.56	21.62	21.43					
20	16QAM	1	49	21.54	21.65	21.48	22.3	1			
20	16QAM	1	99	21.48	21.48	21.30					
20	16QAM	50	0	20.40	20.38	20.24					
20	16QAM	50	24	20.41	20.38	20.22					
20	16QAM	50	50	20.35	20.27	20.20	21.3	2			
20	16QAM	100	0	20.30	20.33	20.19					
20	64QAM	1	0	20.41	20.50	20.30					
20	64QAM	1	49	20.44	20.48	20.45					
20	64QAM	1	99	20.31	20.34	20.15	21.3	2			
20	64QAM	50	0	19.37	19.34	19.22					
20	64QAM	50	24	19.36	19.33	19.17					
20	64QAM	50	50	19.28	19.30	19.14					
20	64QAM	100	0	19.30	19.32	19.21	20.3	3			
Channel				26115	26340	26515					
Frequency (MHz)				1857.5	1880	1907.5	Tune-up limit (dbm)	MPR (db)			
15	QPSK	1	0	22.36	22.28	22.18	23.3	0			
15	QPSK	1	37	22.33	22.36	22.21					
15	QPSK	1	74	22.24	22.25	22.16					
15	QPSK	36	0	21.37	21.28	21.14					
15	QPSK	36	20	21.31	21.32	21.17	22.3	1			
15	QPSK	36	39	21.28	21.27	21.16					
15	QPSK	75	0	21.32	21.33	21.19					
15	16QAM	1	0	21.61	21.56	21.41					
15	16QAM	1	37	21.69	21.61	21.41	22.3	1			
15	16QAM	1	74	21.52	21.51	21.34					
15	16QAM	36	0	20.36	20.30	20.17					
15	16QAM	36	20	20.32	20.31	20.22					
15	16QAM	36	39	20.31	20.28	20.13	21.3	2			
15	16QAM	75	0	20.33	20.33	20.20					
15	64QAM	1	0	20.45	20.47	20.33					
15	64QAM	1	37	20.52	20.46	20.34					
15	64QAM	1	74	20.42	20.34	20.28	21.3	2			
15	64QAM	36	0	19.41	19.33	19.17					
15	64QAM	36	20	19.38	19.30	19.17					
15	64QAM	36	39	19.30	19.38	19.16					
15	64QAM	75	0	19.30	19.29	19.15	20.3	3			
Channel				26090	26340	26640	Tune-up limit (dbm)				
Frequency (MHz)				1855	1880	1910	Tune-up limit (dbm)	MPR (db)			
10	QPSK	1	0	22.31	22.34	22.17	23.3	0			
10	QPSK	1	25	22.36	22.33	22.22					
10	QPSK	1	49	22.29	22.36	22.18					
10	QPSK	25	0	21.33	21.36	21.19					
10	QPSK	25	12	21.32	21.42	21.23	22.3	1			
10	QPSK	25	25	21.40	21.37	21.25					
10	QPSK	50	0	22.36	22.29	22.21					
10	16QAM	1	0	21.63	21.64	21.47					
10	16QAM	1	25	21.62	21.69	21.41	22.3	1			
10	16QAM	1	49	21.65	21.68	21.45					
10	16QAM	25	0	20.36	20.38	20.22					
10	16QAM	25	12	20.36	20.40	20.21					
10	16QAM	25	25	20.39	20.39	20.20	21.3	2			
10	16QAM	50	0	20.38	21.36	21.21					
10	64QAM	1	0	20.55	20.61	20.37					
10	64QAM	1	25	20.50	20.50	20.34					
10	64QAM	1	49	20.54	20.54	20.39	21.3	2			
10	64QAM	25	0	19.35	19.39	19.19					
10	64QAM	25	12	19.40	19.41	19.21					
10	64QAM	25	25	19.38	19.41	19.21					
10	64QAM	50	0	20.41	20.43	20.19	20.3	3			
Channel				26065	26340	26565	Tune-up limit (dbm)				
Frequency (MHz)				1852.5	1880	1912.5	Tune-up limit (dbm) <th data-cs="2" data-kind="parent">MPR (db)</th> <th data-kind="ghost"></th>	MPR (db)			
5	QPSK	1	0	22.34	22.31	22.35	23.3	0			
5	QPSK	1	12	22.33	22.31	22.33					
5	QPSK	1	24	22.32	22.35	22.34					
5	QPSK	12	0	21.42	21.41	21.41					
5	QPSK	12	7	21.36	21.38	21.36	22.3	1			
5	QPSK	12	13	21.33	21.35	21.27					
5	QPSK	25	0	21.36	21.41	21.37					
5	16QAM	1	0	21.60	21.67	21.56					
5	16QAM	1	12	21.63	21.63	21.55	22.3	1			
5	16QAM	1	24	21.60	21.66	21.52					
5	16QAM	12	0	20.41	20.42	20.39					
5	16QAM	12	7	20.35	20.36	20.34					
5	16QAM	12	13	20.30	20.29	20.23	21.3	2			
5	16QAM	25	0	20.35	20.39	20.38					
5	64QAM	1	0	20.53	20.55	20.44					
5	64QAM	1	12	20.59	20.55	20.49					
5	64QAM	1	24	20.47	20.51	20.45	21.3	2			
5	64QAM	12	0	19.42	19.39	19.38					
5	64QAM	12	7	19.38	19.36	19.40					
5	64QAM	12	13	19.33	19.35	19.28					
5	64QAM	25	0	19.36	19.40	19.36	20.3	3			
Channel				26055	26340	26675	Tune-up limit (dbm)				
Frequency (MHz)				1851.5	1880	1913.5	Tune-up limit (dbm) <th data-cs="2" data-kind="parent">MPR (db)</th> <th data-kind="ghost"></th>	MPR (db)			
3	QPSK	1	0	22.35	22.36	22.31	23.3	0			
3	QPSK	1	8	22.33	22.33	22.30					
3	QPSK	1	14	22.31	22.30	22.33					
3	QPSK	8	0	21.34	21.38	21.33					
3	QPSK	8	4	21.31	21.36	21.32	22.3	1			
3	QPSK	8	7	21.32	21.37	21.28					
3	QPSK	15	0	21.35	21.38	21.33					
3	16QAM	1	0	21.59	21.65	21.53					
3	16QAM	1	8	21.56	21.64	21.48	22.3	1			
3	16QAM	1	14	21.52	21.66	21.46					
3	16QAM	8	0	20.43	20.43	20.41					
3	16QAM	8	4	20.40	20.43	20.41					
3	16QAM	8	7	20.41	20.42	20.40	21.3	2			
3	16QAM	15	0	20.36	20.42	20.34					
3	64QAM	1	0	20.57	20.57	20.42					
3	64QAM	1	8	20.55	20.55	20.47					
3	64QAM	1	14	20.53	20.53	20.44	21.3	2			
3	64QAM	8	0	19.41	19.40	19.38					
3	64QAM	8	4	19.40	19.40	19.35					
3	64QAM	8	7	19.35	19.41	19.32					
3	64QAM	15	0	19.33	19.32	19.31	20.3	3			
Channel				26047	26340	26683	Tune-up limit (dbm)				
Frequency (MHz)				1850.7	1880	1914.3	Tune-up limit (dbm) <th data-cs="2" data-kind="parent">MPR (db)</th> <th data-kind="ghost"></th>	MPR (db)			
1.4	QPSK	1	0	22.32	22.36	22.34	23.3	0			
1.4	QPSK	1	3	22.32	22.36	22.36					
1.4	QPSK	1	5	22.33	22.36	22.35					
1.4	QPSK	3	0	22.35	22.32	22.32					
1.4	QPSK	3	1	22.35	22.36	22.31	23.3	0			
1.4	QPSK	3	3	22.34	22.35	22.33					
1.4	QPSK	6	0	21.37	21.36	21.33					
1.4	16QAM	1	0	21.61	21.62	21.45					
1.4	16QAM	1	3	21.61	21.62	21.46	23.3	0			
1.4	16QAM	1	5	21.56	21.63	21.47					
1.4	16QAM	3	0	21.40	21.31	21.33					



Band 66 Ant 1_DS118									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Edge	Power Middle Ch. / Edge	Power High Ch. / Edge	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	19.63	19.77	19.51	20.8	0	
20	QPSK	1	49	19.72	19.82	19.73			
20	QPSK	1	99	19.59	19.59	19.68			
20	QPSK	50	0	19.67	19.80	19.65			
20	QPSK	50	24	19.66	19.74	19.81	20.8	0	
20	QPSK	50	50	19.48	19.66	19.56			
20	QPSK	100	0	19.60	19.74	19.56			
20	16QAM	1	0	19.85	19.77	19.75			
20	16QAM	1	49	19.87	19.79	19.87	20.8	0	
20	16QAM	1	99	19.71	19.84	19.70			
20	16QAM	50	0	19.56	19.65	19.49			
20	16QAM	50	24	19.59	19.73	19.53			
20	16QAM	50	50	19.44	19.60	19.47	20.8	0	
20	16QAM	100	0	19.54	19.61	19.44			
20	64QAM	1	0	19.67	19.82	19.56			
20	64QAM	1	49	19.71	19.83	19.74			
20	64QAM	1	99	19.52	19.63	19.46	20.8	0	
20	64QAM	50	0	19.55	19.67	19.46			
20	64QAM	50	24	19.59	19.72	19.53			
20	64QAM	50	50	19.45	19.56	19.48			
20	64QAM	100	0	19.52	19.59	19.47	20.8	0	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	19.53	19.68	19.42	20.8	0	
15	QPSK	1	37	19.69	19.91	19.69			
15	QPSK	1	74	19.54	19.52	19.65			
15	QPSK	36	0	19.61	19.67	19.52			
15	QPSK	36	20	19.56	19.71	19.53	20.8	0	
15	QPSK	36	39	19.38	19.63	19.51			
15	QPSK	75	0	19.53	19.69	19.53			
15	16QAM	1	0	19.76	19.74	19.72			
15	16QAM	1	37	19.81	19.73	19.83	20.8	0	
15	16QAM	1	74	19.62	19.75	19.67			
15	16QAM	36	0	19.49	19.61	19.44			
15	16QAM	36	20	19.53	19.69	19.44			
15	16QAM	36	39	19.38	19.55	19.41	20.8	0	
15	16QAM	75	0	19.44	19.55	19.40			
15	64QAM	1	0	19.64	19.76	19.51			
15	64QAM	1	37	19.68	19.77	19.65			
15	64QAM	1	74	19.47	19.58	19.40	20.8	0	
15	64QAM	36	0	19.50	19.61	19.38			
15	64QAM	36	20	19.49	19.62	19.47			
15	64QAM	36	39	19.42	19.50	19.43			
15	64QAM	75	0	19.48	19.49	19.39	20.8	0	
Channel				132022	132322	132647			
Frequency (MHz)				1715	1745	1777.5			
10	QPSK	1	0	19.60	19.68	19.47	20.8	0	
10	QPSK	1	25	19.68	19.89	19.72			
10	QPSK	1	49	19.55	19.51	19.61			
10	QPSK	25	0	19.62	19.67	19.45			
10	QPSK	25	12	19.58	19.72	19.54	20.8	0	
10	QPSK	25	25	19.40	19.59	19.47			
10	QPSK	50	0	19.50	19.66	19.52			
10	16QAM	1	0	19.81	19.66	19.66			
10	16QAM	1	25	19.81	19.73	19.79	20.8	0	
10	16QAM	1	49	19.64	19.78	19.65			
10	16QAM	25	0	19.48	19.57	19.42			
10	16QAM	25	12	19.54	19.69	19.48			
10	16QAM	25	25	19.41	19.56	19.44	20.8	0	
10	16QAM	50	0	19.46	19.52	19.40			
10	64QAM	1	0	19.60	19.73	19.52			
10	64QAM	1	25	19.66	19.75	19.66			
10	64QAM	1	49	19.49	19.56	19.38	20.8	0	
10	64QAM	25	0	19.48	19.59	19.43			
10	64QAM	25	12	19.52	19.64	19.46			
10	64QAM	25	25	19.36	19.46	19.38			
10	64QAM	50	0	19.47	19.52	19.41	20.8	0	
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	19.60	19.72	19.44	20.8	0	
5	QPSK	1	12	19.69	19.90	19.70			
5	QPSK	1	24	19.50	19.50	19.62			
5	QPSK	12	0	19.61	19.67	19.47			
5	QPSK	12	7	19.57	19.74	19.51	20.8	0	
5	QPSK	12	13	19.43	19.57	19.47			
5	QPSK	25	0	19.52	19.70	19.46			
5	16QAM	1	0	19.77	19.70	19.68			
5	16QAM	1	12	19.80	19.73	19.84	20.8	0	
5	16QAM	1	24	19.63	19.79	19.60			
5	16QAM	12	0	19.46	19.56	19.44			
5	16QAM	12	7	19.54	19.68	19.45			
5	16QAM	12	13	19.37	19.52	19.38	20.8	0	
5	16QAM	25	0	19.50	19.54	19.38			
5	64QAM	1	0	19.59	19.76	19.49			
5	64QAM	1	12	19.62	19.77	19.66			
5	64QAM	1	24	19.45	19.60	19.42	20.8	0	
5	64QAM	12	0	19.49	19.62	19.36			
5	64QAM	12	7	19.56	19.62	19.50			
5	64QAM	12	13	19.39	19.47	19.38			
5	64QAM	25	0	19.44	19.55	19.43	20.8	0	
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	19.57	19.71	19.48	20.8	0	
3	QPSK	1	8	19.68	19.90	19.71			
3	QPSK	1	14	19.53	19.51	19.64			
3	QPSK	8	0	19.56	19.70	19.51			
3	QPSK	8	4	19.62	19.73	19.55	20.8	0	
3	QPSK	8	7	19.45	19.62	19.46			
3	QPSK	15	0	19.57	19.70	19.47			
3	16QAM	1	0	19.79	19.74	19.65			
3	16QAM	1	8	19.82	19.72	19.77	20.8	0	
3	16QAM	1	14	19.64	19.78	19.66			
3	16QAM	8	0	19.50	19.59	19.46			
3	16QAM	8	4	19.52	19.68	19.45			
3	16QAM	8	7	19.41	19.51	19.44	20.8	0	
3	16QAM	15	0	19.48	19.52	19.35			
3	64QAM	1	0	19.64	19.75	19.50			
3	64QAM	1	8	19.67	19.77	19.68			
3	64QAM	1	14	19.48	19.59	19.41	20.8	0	
3	64QAM	8	0	19.47	19.63	19.40			
3	64QAM	8	4	19.56	19.69	19.49			
3	64QAM	8	7	19.38	19.47	19.42			
3	64QAM	15	0	19.42	19.54	19.37	20.8	0	
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	19.58	19.67	19.47	20.8	0	
1.4	QPSK	1	3	19.68	19.91	19.68			
1.4	QPSK	1	5	19.53	19.53	19.58			
1.4	QPSK	3	0	19.50	19.71	19.49			
1.4	QPSK	3	1	19.62	19.76	19.52	20.8	0	
1.4	QPSK	3	3	19.45	19.61	19.53			
1.4	QPSK	6	0	19.53	19.65	19.48			
1.4	16QAM	1	0	19.77	19.73	19.66			
1.4	16QAM	1	3	19.84	19.75	19.78	20.8	0	
1.4	16QAM	1	5	19.66	19.75	19.66			
1.4	16QAM	3	0	19.53	19.62	19.44			
1.4	16QAM	3	1	19.53	19.68	19.48			
1.4	16QAM	6	0	19.50	19.55	19.38	20.8	0	
1.4	16QAM	6	3	19.40	19.53	19.40			
1.4	64QAM	1	0	19.60	19.75	19.49			
1.4	64QAM	1	3	19.64	19.79	19.67			
1.4	64QAM	1	5	19.45	19.60	19.49	20.8	0	
1.4	64QAM	1	8	19.45	19.61	19.42			
1.4	64QAM	3	1	19.50	19.59	19.50			
1.4	64QAM	3	3	19.40	19.48	19.44			
1.4	64QAM	6	0	19.42	19.52	19.41	20.8	0	

Band 38 ANT 1_DS18

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.80	23.90	23.80	23.8	0		
20	QPSK	1	49	23.48	23.50	23.44				
20	QPSK	1	99	23.37	23.41	23.31				
20	QPSK	50	0	22.49	22.50	22.41	22.8	1		
20	QPSK	50	24	22.42	22.45	22.35				
20	QPSK	50	50	22.46	22.48	22.40				
20	QPSK	100	0	22.41	22.43	22.37	22.8	1		
20	16QAM	1	0	22.43	22.50	22.40				
20	16QAM	1	49	22.63	22.64	22.62				
20	16QAM	50	0	21.48	21.47	21.52	21.8	2		
20	16QAM	50	24	21.56	21.57	21.49				
20	16QAM	50	50	21.55	21.54	21.44				
20	16QAM	100	0	21.52	21.46	21.52	21.8	2		
20	64QAM	1	0	21.09	21.07	21.07				
20	64QAM	1	49	21.26	21.27	21.26				
20	64QAM	1	99	21.26	21.15	21.13	20.8	3		
20	64QAM	50	0	20.38	20.49	20.39				
20	64QAM	50	24	20.51	20.52	20.45				
20	64QAM	100	0	20.48	20.50	20.45				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.38	23.44	23.44	23.8	0		
15	QPSK	1	37	23.47	23.46	23.48				
15	QPSK	1	74	23.41	23.44	23.38				
15	QPSK	36	0	22.44	22.50	22.50	22.8	1		
15	QPSK	36	20	22.50	22.42	22.47				
15	QPSK	36	39	22.39	22.45	22.47				
15	QPSK	75	0	22.48	22.49	22.42	22.8	1		
15	16QAM	1	0	22.47	22.43	22.42				
15	16QAM	1	37	22.47	22.44	22.42				
15	16QAM	1	74	22.52	22.59	22.46	21.8	2		
15	16QAM	36	0	21.58	21.53	21.58				
15	16QAM	36	20	21.57	21.67	21.52				
15	16QAM	36	39	21.58	21.62	21.45	21.8	2		
15	16QAM	75	0	21.40	21.43	21.43				
15	64QAM	1	0	21.43	21.47	21.37				
15	64QAM	1	37	21.51	21.45	21.44	20.8	3		
15	64QAM	1	74	21.13	21.21	21.12				
15	64QAM	36	0	20.21	20.22	20.22				
15	64QAM	36	20	20.27	20.22	20.19	20.8	3		
15	64QAM	36	39	20.41	20.40	20.40				
15	64QAM	75	0	20.47	20.48	20.44				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.46	23.46	23.43	23.8	0		
10	QPSK	1	25	23.43	23.46	23.43				
10	QPSK	1	49	23.41	23.44	23.47				
10	QPSK	25	0	22.43	22.48	22.43	22.8	1		
10	QPSK	25	12	22.48	22.44	22.43				
10	QPSK	25	25	22.48	22.45	22.49				
10	QPSK	50	0	22.50	22.46	22.44	22.8	1		
10	16QAM	1	0	22.49	22.58	22.50				
10	16QAM	1	25	22.51	22.59	22.62				
10	16QAM	1	49	22.55	22.59	22.54	21.8	2		
10	16QAM	25	0	21.51	21.48	21.48				
10	16QAM	25	12	21.52	21.50	21.49				
10	16QAM	25	25	21.57	21.48	21.48	21.8	2		
10	16QAM	50	0	21.48	21.54	21.45				
10	64QAM	1	0	21.19	21.20	21.18				
10	64QAM	1	25	21.20	21.24	21.24	20.8	3		
10	64QAM	1	49	21.23	21.22	21.21				
10	64QAM	25	0	20.50	20.52	20.51				
10	64QAM	25	12	20.48	20.47	20.50	20.8	3		
10	64QAM	25	25	20.55	20.54	20.49				
10	64QAM	50	0	20.43	20.53	20.46				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.47	23.46	23.43	23.8	0		
5	QPSK	1	12	23.46	23.49	23.42				
5	QPSK	1	24	23.44	23.47	23.47				
5	QPSK	12	0	22.51	22.50	22.47	22.8	1		
5	QPSK	12	7	22.43	22.45	22.50				
5	QPSK	12	13	22.43	22.48	22.47				
5	QPSK	25	0	22.43	22.56	22.47	22.8	1		
5	16QAM	1	0	22.50	22.59	22.61				
5	16QAM	1	12	22.53	22.58	22.57				
5	16QAM	1	24	22.51	22.63	22.55	21.8	2		
5	16QAM	12	0	21.46	21.48	21.44				
5	16QAM	12	7	21.41	21.39	21.40				
5	16QAM	12	13	21.38	21.40	21.43	21.8	2		
5	16QAM	25	0	21.43	21.51	21.53				
5	64QAM	1	0	21.29	21.26	21.27				
5	64QAM	1	12	21.27	21.27	21.28	20.8	3		
5	64QAM	1	24	21.24	21.19	21.22				
5	64QAM	12	0	20.45	20.50	20.42				
5	64QAM	12	7	20.41	20.42	20.42	20.8	3		
5	64QAM	12	13	20.48	20.41	20.37				
5	64QAM	25	0	20.51	20.54	20.52				

Band 41 ANT 1_DS18

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.29	22.39	22.41	23.8	0		
20	QPSK	1	49	22.44	22.49	22.58				
20	QPSK	1	99	22.46	22.50	22.52				
20	QPSK	50	0	21.64	21.66	21.72	22.8	1		
20	QPSK	50	24	21.60	21.63	21.70				
20	QPSK	50	50	21.48	21.50	21.60				
20	QPSK	100	0	21.49	21.52	21.64	22.8	1		
20	16QAM	1	0	21.48	21.51	21.64				
20	16QAM	1	49	21.64	21.70	21.81				
20	16QAM	1	99	21.59	21.67	21.69	21.8	2		
20	16QAM	50	0	20.65	20.50	20.57				
20	16QAM	50	24	20.57	20.57	20.70				
20	16QAM	50	50	20.61	20.55	20.68	21.8	2		
20	16QAM	100	0	20.56	20.57	20.64				
20	64QAM	1	0	20.16	20.21	20.27				
20	64QAM	1	49	20.32	20.32	20.51	21.8	2		
20	64QAM	1	99	20.27	20.27	20.31				
20	64QAM	50	0	19.47	19.45	19.56				
20	64QAM	50	24	19.55	19.55	19.66	20.8	3		
20	64QAM	50	50	19.55	19.60	19.63				
20	64QAM	100	0	19.46	19.48	19.68				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.31	22.45	22.33	23.8	0		
15	QPSK	1	37	22.50	22.54	22.56				
15	QPSK	1	74	22.41	22.53	22.41				
15	QPSK	36	0	21.45	21.57	21.52	22.8	1		
15	QPSK	36	20	21.65	21.67	21.63				
15	QPSK	36	39	21.50	21.67	21.65				
15	QPSK	75	0	21.55	21.70	21.69	22.8	1		
15	16QAM	1	0	21.59	21.64	21.62				
15	16QAM	1	37	21.64	21.62	21.63				
15	16QAM	1	74	21.68	21.66	21.62	21.8	2		
15	16QAM	36	0	20.48	20.56	20.47				
15	16QAM	36	20	20.46	20.59	20.58				
15	16QAM	36	39	20.56	20.58	20.48	21.8	2		
15	16QAM	75	0	20.61	20.61	20.66				
15	64QAM	1	0	20.23	20.32	20.29				
15	64QAM	1	37	20.37	20.46	20.33	21.8	2		
15	64QAM	1	74	20.29	20.37	20.32				
15	64QAM	36	0	19.43	19.59	19.58				
15	64QAM	36	20	19.47	19.69	19.52	20.8	3		
15	64QAM	36	39	19.57	19.61	19.53				
15	64QAM	75	0	19.53	19.55	19.50				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.21	22.42	22.33	23.8	0		
10	QPSK	1	25	22.46						

Band 41 ANT 4 DSI18																			
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mode Ch / Freq	Power High Mode Ch / Freq	Power High Ch / Freq	Turn-up Int. (dBm)	MPE (dB)										
Channel																			
Frequency (MHz)																			
				39750	40185	40620	41055	41490											
				2548.5	2548.5	2593	2637.5	2682.5											
20	QPSK	1	0	19.67	19.77	19.78	19.48	19.23	20.3	0									
20	QPSK	1	49	19.75	19.78	19.70	19.60	19.39											
20	QPSK	1	99	19.66	19.68	19.71	19.68	19.29											
20	QPSK	50	0	19.91	19.93	19.90	19.80	19.65											
20	QPSK	50	24	19.90	19.87	19.96	19.73	19.57	19.3	1									
20	QPSK	50	50	19.90	19.86	19.94	19.70	19.56											
20	QPSK	100	0	19.80	19.84	19.92	19.72	19.56											
20	16QAM	1	0	19.82	19.95	19.80	19.70	19.43											
20	16QAM	1	49	19.98	19.07	19.94	19.82	19.56	19.3	1									
20	16QAM	1	99	19.86	19.88	19.88	19.75	19.54											
20	16QAM	50	0	17.76	17.95	17.70	17.70	17.43											
20	16QAM	50	24	17.87	18.02	17.90	17.73	17.57											
20	16QAM	50	50	17.90	18.00	17.86	17.69	17.53	18.3	2									
20	16QAM	100	0	17.84	17.93	17.85	17.70	17.42											
20	16QAM	1	0	17.47	17.65	17.45	17.34	17.14											
20	64QAM	1	49	17.64	17.77	17.63	17.46	17.31											
20	64QAM	1	99	17.53	17.56	17.47	17.36	17.15	17.3	3									
20	64QAM	50	0	16.76	16.89	16.78	16.73	16.44											
20	64QAM	50	24	16.85	16.96	16.81	16.70	16.48											
20	64QAM	50	50	16.89	16.95	16.82	16.71	16.47											
Channel																			
Frequency (MHz)																			
				39750	40185	40620	41055	41490											
				2548.5	2548.5	2593	2637.5	2682.5											
15	QPSK	1	0	19.48	19.64	19.47	19.39	19.12	20.30	0									
15	QPSK	1	37	19.61	19.60	19.55	19.44	19.26											
15	QPSK	1	74	19.54	19.57	19.53	19.39	19.13											
15	QPSK	36	0	19.59	19.74	19.68	19.51	19.27											
15	QPSK	36	20	19.54	19.60	19.70	19.55	19.40	19.3	1									
15	QPSK	36	39	19.74	19.80	19.67	19.53	19.28											
15	QPSK	75	0	19.76	19.86	19.74	19.63	19.32											
15	16QAM	1	0	19.63	19.79	19.65	19.51	19.29											
15	16QAM	1	37	19.84	19.84	19.85	19.70	19.44	19.3	1									
15	16QAM	1	74	19.79	19.87	19.72	19.56	19.39											
15	16QAM	36	0	17.52	17.72	17.64	17.50	17.23											
15	16QAM	36	20	17.59	17.76	17.65	17.52	17.30											
15	16QAM	36	39	17.62	17.73	17.68	17.53	17.24	18.3	2									
15	16QAM	75	0	17.66	17.76	17.65	17.62	17.37											
15	64QAM	1	0	17.33	17.49	17.41	17.21	17.00											
15	64QAM	1	37	17.46	17.58	17.46	17.34	17.12											
15	64QAM	1	74	17.41	17.49	17.41	17.24	17.02	17.3	3									
15	64QAM	36	0	16.56	16.80	16.65	16.51	16.23											
15	64QAM	36	20	16.54	16.76	16.65	16.52	16.32											
15	64QAM	36	39	16.62	16.77	16.66	16.48	16.26											
15	64QAM	75	0	16.62	16.74	16.62	16.57	16.35											
Channel																			
Frequency (MHz)																			
				39750	40185	40620	41080	41540											
				2648.5	2648.5	2693	2640.30	2687.5											
10	QPSK	1	0	19.58	19.73	19.57	19.44	19.31	20.30	0									
10	QPSK	1	25	19.59	19.69	19.65	19.41	19.23											
10	QPSK	1	49	19.54	19.73	19.60	19.48	19.18											
10	QPSK	25	0	19.66	19.87	19.75	19.54	19.45											
10	QPSK	25	12	19.74	19.89	19.73	19.61	19.40	19.3	1									
10	QPSK	25	25	19.78	19.84	19.72	19.62	19.39											
10	QPSK	50	0	19.76	19.83	19.72	19.66	19.46											
10	16QAM	1	0	19.71	19.91	19.74	19.63	19.44											
10	16QAM	1	25	19.82	19.97	19.85	19.61	19.46	19.3	1									
10	16QAM	1	49	19.80	19.92	19.83	19.61	19.45											
10	16QAM	25	0	17.69	17.80	17.70	17.62	17.40											
10	16QAM	25	12	17.70	17.87	17.74	17.56	17.35											
10	16QAM	25	25	17.74	17.89	17.77	17.56	17.39	18.3	2									
10	16QAM	50	0	17.71	17.85	17.70	17.60	17.39											
10	16QAM	1	0	17.40	17.65	17.45	17.30	17.12											
10	64QAM	1	25	17.49	17.60	17.53	17.33	17.08											
10	64QAM	1	49	17.46	17.54	17.45	17.27	17.09	17.3	3									
10	64QAM	25	0	16.70	16.88	16.71	16.59	16.40											
10	64QAM	25	12	16.74	16.87	16.68	16.64	16.39											
10	64QAM	25	25	16.82	16.86	16.81	16.64	16.37											
10	64QAM	50	0	16.72	16.78	16.65	16.62	16.39											
Channel																			
Frequency (MHz)																			
				39750	40185	40620	41080	41540											
				2648.5	2548.5	2593	2640.30	2687.5											
5	QPSK	1	0	19.53	19.61	19.54	19.40	19.19	20.30	0									
5	QPSK	1	12	19.50	19.54	19.44	19.26	19.12											
5	QPSK	1	24	19.59	19.55	19.53	19.44	19.23											
5	QPSK	12	0	19.64	19.70	19.64	19.53	19.27											
5	QPSK	12	7	19.57	19.77	19.62	19.52	19.26	19.3	1									
5	QPSK	12	13	19.60	19.74	19.64	19.45	19.29											
5	QPSK	25	0	19.65	19.73	19.70	19.51	19.31											
5	16QAM	1	0	19.71	19.74	19.74	19.55	19.39											
5	16QAM	1	12	19.74	19.80	19.81	19.58	19.36	19.3	1									
5	16QAM	1	24	19.70	19.80	19.75	19.60	19.44											
5	16QAM	12	0	17.53	17.65	17.61	17.52	17.21											
5	16QAM	12	7	17.54	17.64	17.58	17.41	17.26											
5	16QAM	12	13	17.56	17.62	17.58	17.40	17.18	18.3	2									
5	16QAM	25	0	17.62	17.73	17.64	17.40	17.26											
5	64QAM	1	0	17.33	17.54	17.45	17.12	17.08											
5	64QAM	1	12	17.38	17.46	17.40	17.19	17.00											
5	64QAM	1	24	17.35	17.47	17.43	17.20	17.01	17.3	3									
5	64QAM	12	0	16.57	16.71	16.67	16.47	16.24											
5	64QAM	12																	

Conducted Power for DS12

GSM850 ANT 0_DS12	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.44	32.66	32.51	33.30	23.44	23.66	23.51	24.30
GPRS 1 Tx slot	32.39	32.63	32.44	33.30	23.39	23.63	23.44	24.30
GPRS 2 Tx slots	30.24	30.44	30.27	31.30	24.24	24.44	24.27	25.30
GPRS 3 Tx slots	27.07	28.14	28.02	28.80	23.71	23.88	23.76	24.54
GPRS 4 Tx slots	27.25	27.56	27.31	28.30	24.25	24.56	24.31	25.30
EDGE(GMSK 1 Tx slot)	32.38	32.62	32.42	33.30	23.38	23.62	23.42	24.30
EDGE(GMSK 2 Tx slots)	30.22	30.40	30.24	31.30	24.22	24.40	24.24	25.30
EDGE(GMSK 3 Tx slots)	27.96	28.11	27.99	28.80	23.70	23.85	23.73	24.54
EDGE(GMSK 4 Tx slots)	27.21	27.55	27.28	28.30	24.21	24.55	24.28	25.30
EDGE 1 Tx slot	27.04	27.11	27.06	27.80	18.04	18.11	18.06	18.80
EDGE 2 Tx slots	23.70	23.57	23.80	24.80	17.70	17.57	17.80	18.80
EDGE 3 Tx slots	21.13	21.25	21.31	22.30	16.87	16.99	17.05	18.04
EDGE 4 Tx slots	20.84	21.02	21.25	21.80	17.94	18.02	18.25	18.80

GSM1900 ANT 0_DS12	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.28	30.36	30.39	30.60	21.28	21.36	21.39	21.60
GPRS 1 Tx slot	30.25	30.34	30.36	30.60	21.25	21.34	21.36	21.60
GPRS 2 Tx slots	27.53	27.60	27.59	28.10	21.53	21.60	21.59	22.10
GPRS 3 Tx slots	25.34	25.37	25.41	25.80	21.08	21.11	21.15	21.54
GPRS 4 Tx slots	24.62	24.68	24.67	25.30	21.62	21.68	21.67	22.30
EDGE(GMSK 1 Tx slot)	30.22	30.32	30.33	30.60	21.22	21.32	21.33	21.60
EDGE(GMSK 2 Tx slots)	27.51	27.58	27.58	28.10	21.51	21.58	21.58	22.10
EDGE(GMSK 3 Tx slots)	25.33	25.33	25.38	25.80	21.07	21.07	21.12	21.54
EDGE(GMSK 4 Tx slots)	24.60	24.66	24.68	25.30	21.60	21.66	21.68	22.30
EDGE 1 Tx slot	25.50	25.69	25.42	26.10	16.50	16.69	16.42	17.10
EDGE 2 Tx slots	23.31	23.28	23.16	23.80	17.31	17.28	17.16	17.80
EDGE 3 Tx slots	21.82	21.86	21.88	22.10	17.56	17.60	17.62	17.84
EDGE 4 Tx slots	19.41	19.59	19.60	20.30	16.41	16.59	16.60	17.30

Band	WCDMA II ANT 0_DS12			Tune-up Limit (dBm)	WCDMA IV ANT 0_DS12			Tune-up Limit (dBm)	WCDMA V ANT 0_DS12			Tune-up Limit (dBm)
	9282	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9682	9800	9938	(dBm)	1637	1638	1738	(dBm)	4367	4407	4458	(dBm)
Rx Channel	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	22.28	22.30	22.27	23.10	21.61	21.65	21.64	22.60	23.90	23.91	23.78	24.80
3GPP Rel 99 RMC 12.2Kbps	22.31	22.32	22.29	23.10	21.63	21.67	21.66	22.60	23.91	23.93	23.79	24.80
3GPP Rel 6 HSDPA Subtest-1	21.00	20.99	20.94	22.10	20.60	20.72	20.70	21.60	22.89	22.84	22.76	23.80
3GPP Rel 6 HSDPA Subtest-2	20.90	20.96	20.93	22.10	20.63	20.66	20.69	21.60	22.87	22.85	22.72	23.80
3GPP Rel 6 HSDPA Subtest-3	20.52	20.49	20.45	21.10	20.17	20.21	20.21	20.60	22.41	22.40	22.25	23.30
3GPP Rel 6 HSDPA Subtest-4	20.41	20.44	20.55	21.10	20.11	20.15	20.23	20.60	22.39	22.32	22.23	23.30
3GPP Rel 6 DC-HSDPA Subtest-1	20.95	20.95	20.92	22.10	20.55	20.67	20.68	21.60	22.72	22.73	22.63	23.80
3GPP Rel 6 DC-HSDPA Subtest-2	20.88	20.94	20.88	22.10	20.58	20.65	20.67	21.60	22.89	22.87	22.70	23.80
3GPP Rel 6 DC-HSDPA Subtest-3	20.49	20.45	20.43	21.10	20.12	20.19	20.19	20.60	22.41	22.26	22.06	23.30
3GPP Rel 6 DC-HSDPA Subtest-4	20.37	20.42	20.53	21.10	20.06	20.11	20.21	20.60	22.29	22.27	22.03	23.30
3GPP Rel 6 HSUPA Subtest-1	19.71	19.66	19.71	20.10	19.07	19.20	19.18	19.60	21.36	21.31	21.20	21.80
3GPP Rel 6 HSUPA Subtest-2	18.28	18.17	18.21	19.10	17.59	17.62	17.64	18.60	19.71	19.66	19.65	20.80
3GPP Rel 6 HSUPA Subtest-3	19.27	19.19	19.19	20.10	18.65	18.71	18.67	19.60	20.84	20.82	20.68	21.80
3GPP Rel 6 HSUPA Subtest-4	18.74	18.75	18.71	19.60	18.13	18.15	18.17	19.10	20.34	20.32	20.17	21.30
3GPP Rel 6 HSUPA Subtest-5	21.26	21.14	21.15	22.10	20.67	20.64	20.65	21.60	22.90	22.80	22.70	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest	21.21	21.05	21.14	22.10	20.67	20.69	20.67	21.60	22.65	22.71	22.58	23.80



Band 2 ANT 0_DSI2														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / 16700	Power Middle Ch. / 16900	Power High Ch. / 17100	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.33	21.40	21.24	22.3	0						
20	QPSK	1	49	21.39	21.50	21.28								
20	QPSK	1	99	21.26	21.26	21.18								
20	QPSK	50	0	21.46	21.49	21.36								
20	QPSK	50	24	21.42	21.44	21.34	22.3	0						
20	QPSK	50	50	21.42	21.42	21.30								
20	QPSK	100	0	21.39	21.41	21.28								
20	16QAM	1	0	21.34	21.37	21.20								
20	16QAM	1	49	21.31	21.42	21.21	22.3	0						
20	16QAM	1	99	21.21	21.26	21.18								
20	16QAM	50	0	21.46	21.46	21.34								
20	16QAM	50	24	21.45	21.44	21.36								
20	16QAM	50	50	21.43	21.40	21.28	22.3	0						
20	16QAM	100	0	21.38	21.42	21.29								
20	64QAM	1	0	21.27	21.39	21.19								
20	64QAM	1	49	21.35	21.38	21.18	22.3	0						
20	64QAM	1	99	21.16	21.26	21.15								
20	64QAM	50	0	20.40	20.45	20.30								
20	64QAM	50	24	20.44	20.40	20.31								
20	64QAM	50	50	20.43	20.38	20.24	21.3	1						
20	64QAM	100	0	20.38	20.41	20.24								
Channel														
Frequency (MHz)														
15	QPSK	1	0	21.32	21.37	21.19	22.3	0						
15	QPSK	1	37	21.31	21.44	21.19								
15	QPSK	1	74	21.21	21.22	21.14								
15	QPSK	36	0	21.41	21.37	21.28								
15	QPSK	36	20	21.34	21.44	21.25	22.3	0						
15	QPSK	36	39	21.38	21.39	21.23								
15	QPSK	75	0	21.30	21.33	21.24								
15	16QAM	1	0	21.26	21.27	21.11								
15	16QAM	1	74	21.23	21.32	21.16	22.3	0						
15	16QAM	1	74	21.13	21.16	21.13								
15	16QAM	36	0	21.42	21.39	21.25								
15	16QAM	36	20	21.35	21.37	21.29								
15	16QAM	36	39	21.37	21.31	21.18	22.3	0						
15	16QAM	75	0	21.30	21.32	21.20								
15	64QAM	1	0	21.27	21.35	21.13								
15	64QAM	1	37	21.26	21.33	21.10								
15	64QAM	1	74	21.12	21.20	21.09	21.3	1						
15	64QAM	36	0	20.37	20.39	20.29								
15	64QAM	36	20	20.37	20.39	20.23								
15	64QAM	36	39	20.37	20.35	20.18								
15	64QAM	75	0	20.30	20.33	20.18	21.3	0						
Channel														
Frequency (MHz)														
10	QPSK	1	0	21.30	21.35	21.20	22.3	0						
10	QPSK	1	25	21.36	21.41	21.23								
10	QPSK	1	49	21.20	21.24	21.10								
10	QPSK	25	0	21.36	21.36	21.27								
10	QPSK	25	12	21.37	21.43	21.31	22.3	0						
10	QPSK	25	25	21.39	21.34	21.21								
10	QPSK	50	0	21.32	21.35	21.19								
10	16QAM	1	0	21.26	21.27	21.10								
10	16QAM	1	25	21.21	21.39	21.16	22.3	0						
10	16QAM	1	49	21.13	21.21	21.13								
10	16QAM	25	0	21.37	21.36	21.31								
10	16QAM	25	12	21.36	21.35	21.26								
10	16QAM	25	12	21.40	21.33	21.20	22.3	0						
10	16QAM	50	0	21.31	21.37	21.23								
10	64QAM	1	0	21.17	21.29	21.15								
10	64QAM	1	25	21.31	21.31	21.13								
10	64QAM	1	49	21.08	21.16	21.09	21.3	1						
10	64QAM	25	0	20.32	20.38	20.31								
10	64QAM	25	12	20.41	20.46	20.27								
10	64QAM	25	25	20.37	20.33	20.16								
10	64QAM	50	0	20.33	20.38	20.15	21.3	0						
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.28	21.36	21.22	22.3	0						
5	QPSK	1	12	21.32	21.42	21.18								
5	QPSK	1	24	21.21	21.24	21.09								
5	QPSK	12	0	21.40	21.34	21.32								
5	QPSK	12	7	21.33	21.43	21.31	22.3	0						
5	QPSK	12	13	21.35	21.32	21.24								
5	QPSK	25	0	21.33	21.36	21.18								
5	16QAM	1	0	21.31	21.34	21.17								
5	16QAM	1	12	21.24	21.32	21.14	22.3	0						
5	16QAM	1	24	21.17	21.22	21.14								
5	16QAM	12	0	21.37	21.42	21.27								
5	16QAM	12	7	21.40	21.41	21.32								
5	16QAM	12	13	21.34	21.30	21.25	22.3	0						
5	16QAM	25	0	21.29	21.33	21.26								
5	64QAM	1	0	21.22	21.35	21.11								
5	64QAM	1	12	21.31	21.33	21.08								
5	64QAM	1	24	21.11	21.16	21.10	21.3	1						
5	64QAM	12	0	20.30	20.36	20.34								
5	64QAM	12	7	20.39	20.42	20.28								
5	64QAM	12	13	20.36	20.31	20.14								
5	64QAM	25	0	20.29	20.39	20.16	21.3	0						
Channel														
Frequency (MHz)														
3	QPSK	1	0	21.31	21.39	21.21	22.3	0						
3	QPSK	1	8	21.30	21.40	21.25								
3	QPSK	1	14	21.19	21.21	21.11								
3	QPSK	8	0	21.41	21.40	21.32								
3	QPSK	8	4	21.33	21.39	21.30	22.3	0						
3	QPSK	8	7	21.38	21.38	21.20								
3	QPSK	15	0	21.32	21.37	21.21								
3	16QAM	1	0	21.30	21.31	21.11								
3	16QAM	1	8	21.27	21.38	21.11	22.3	0						
3	16QAM	1	14	21.13	21.22	21.08								
3	16QAM	8	0	21.39	21.43	21.30								
3	16QAM	8	4	21.41	21.35	21.30								
3	16QAM	8	7	21.33	21.34	21.19	22.3	0						
3	16QAM	15	0	21.35	21.37	21.24								
3	64QAM	1	0	21.23	21.31	21.12								
3	64QAM	1	8	21.30	21.30	21.15								
3	64QAM	1	14	21.07	21.16	21.09	21.3	1						
3	64QAM	8	0	20.36	20.40	20.27								
3	64QAM	8	4	20.36	20.46	20.26								
3	64QAM	8	7	20.38	20.28	20.21								
3	64QAM	15	0	20.32	20.36	20.14	21.3	0						
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	21.30	21									



Band 7 ANT 0_DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dbm)	MPR (db)	
Channel				20850	21100	21350			
Frequency (MHz)				25015	2535	2560			
20	QPSK	1	0	22.37	22.40	22.45	23.1	0	
10	QPSK	1	49	22.53	22.64	22.62			
20	QPSK	1	99	22.38	22.56	22.58			
20	QPSK	50	0	21.99	22.29	22.26			
20	QPSK	50	24	22.09	22.21	22.19			
20	QPSK	50	50	22.11	22.28	22.28	22.6	0.5	
20	QPSK	100	0	22.08	22.21	22.16			
20	16QAM	1	0	22.15	22.24	22.26			
20	16QAM	1	49	22.35	22.41	22.42			
20	16QAM	1	99	22.16	22.36	22.42			
20	16QAM	50	0	20.97	21.10	21.26	21.6	1.5	
20	16QAM	50	24	21.06	21.19	21.18			
20	16QAM	50	50	21.08	21.27	21.20			
20	16QAM	100	0	21.05	21.10	21.14			
20	64QAM	1	0	21.01	21.09	21.06			
20	64QAM	1	49	21.19	21.30	21.21	21.6	1.5	
20	64QAM	1	99	21.05	21.26	21.26			
20	64QAM	50	0	19.93	20.15	20.25			
20	64QAM	50	24	20.07	20.18	20.16			
20	64QAM	50	50	20.07	20.21	20.24			
20	64QAM	100	0	20.05	20.13	20.13	20.6	2.5	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.36	22.36	22.41	23.1	0	
15	QPSK	1	37	22.45	22.60	22.57			
15	QPSK	1	74	22.35	22.53	22.48			
15	QPSK	36	0	21.91	22.20	22.21			
15	QPSK	36	20	22.06	22.16	22.15			
15	QPSK	36	39	22.01	22.19	22.20	22.6	0.5	
15	QPSK	75	0	22.04	22.13	22.13			
15	16QAM	1	0	22.12	22.17	22.22			
15	16QAM	1	37	22.32	22.31	22.39			
15	16QAM	1	74	22.11	22.27	22.37			
15	16QAM	36	0	20.91	21.07	21.21	21.6	1.5	
15	16QAM	36	20	21.01	21.09	21.09			
15	16QAM	36	39	21.04	21.24	21.15			
15	16QAM	75	0	20.99	21.04	21.07			
15	64QAM	1	0	20.96	21.06	21.06			
15	64QAM	1	37	21.15	21.20	21.18	21.6	1.5	
15	64QAM	1	74	20.97	21.20	21.19			
15	64QAM	36	0	19.89	20.10	20.18			
15	64QAM	36	20	20.01	20.08	20.12			
15	64QAM	36	39	19.98	20.11	20.17			
15	64QAM	75	0	20.00	20.05	20.04	20.6	2.5	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.36	22.38	22.43	23.1	0	
10	QPSK	1	25	22.49	22.56	22.52			
10	QPSK	1	49	22.30	22.50	22.50			
10	QPSK	25	0	21.91	22.19	22.16			
10	QPSK	25	12	22.02	22.16	22.09			
10	QPSK	25	25	22.07	22.18	22.23	22.6	0.5	
10	QPSK	50	0	22.01	22.12	22.09			
10	16QAM	1	0	22.05	22.20	22.23			
10	16QAM	1	25	22.25	22.37	22.33			
10	16QAM	1	49	22.11	22.27	22.37			
10	16QAM	25	0	20.88	21.00	21.22	21.6	1.5	
10	16QAM	25	12	20.96	21.12	21.08			
10	16QAM	25	25	20.98	21.19	21.10			
10	16QAM	50	0	21.02	21.05	21.07			
10	64QAM	1	0	20.94	21.04	21.03			
10	64QAM	1	25	21.15	21.21	21.16	21.6	1.5	
10	64QAM	1	49	20.99	21.18	21.18			
10	64QAM	25	0	19.90	20.05	20.16			
10	64QAM	25	12	19.98	20.11	20.13			
10	64QAM	25	25	19.99	20.12	20.21			
10	64QAM	50	0	19.96	20.07	20.08	20.6	2.5	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.34	22.38	22.44	23.1	0	
5	QPSK	1	12	22.44	22.60	22.52			
5	QPSK	1	24	22.33	22.46	22.50			
5	QPSK	12	0	21.89	22.23	22.18			
5	QPSK	12	7	22.03	22.14	22.16			
5	QPSK	12	13	22.01	22.19	22.24	22.6	0.5	
5	QPSK	25	0	22.04	22.13	22.08			
5	16QAM	1	0	22.11	22.16	22.19			
5	16QAM	1	12	22.32	22.32	22.38			
5	16QAM	1	24	22.06	22.30	22.34			
5	16QAM	12	0	20.94	21.06	21.22	21.6	1.5	
5	16QAM	12	7	21.02	21.11	21.12			
5	16QAM	12	13	21.04	21.18	21.15			
5	16QAM	25	0	21.00	21.02	21.04			
5	64QAM	1	0	20.96	21.06	21.02			
5	64QAM	1	12	21.15	21.22	21.16	21.6	1.5	
5	64QAM	1	24	21.00	21.17	21.23			
5	64QAM	12	0	19.87	20.05	20.17			
5	64QAM	12	7	20.04	20.15	20.13			
5	64QAM	12	13	20.03	20.11	20.14			
5	64QAM	25	0	19.97	20.06	20.08	20.6	2.5	

Band 12 ANT 0_DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.85	23.88	23.80	24.8	0	
10	QPSK	1	25	23.88	23.91	23.85			
10	QPSK	1	49	23.83	23.85	23.81			
10	QPSK	25	0	22.90	22.92	22.79			
10	QPSK	25	12	22.86	22.89	22.78			
10	QPSK	25	25	22.85	22.88	22.71	23.8	1	
10	QPSK	50	0	22.85	22.89	22.81			
10	16QAM	1	0	23.06	22.87	23.16			
10	16QAM	1	25	22.85	23.24	23.03			
10	16QAM	1	49	23.05	22.81	23.02			
10	16QAM	25	0	21.87	21.76	21.83	22.8	2	
10	16QAM	25	12	22.02	21.70	21.89			
10	16QAM	25	25	21.89	21.67	21.78			
10	16QAM	50	0	21.85	21.70	21.79			
10	64QAM	1	0	22.16	21.75	21.89			
10	64QAM	1	25	22.16	21.78	21.65	22.8	2	
10	64QAM	1	49	22.05	22.07	21.80			
10	64QAM	25	0	21.01	20.66	20.81			
10	64QAM	25	12	20.97	20.67	20.73			
10	64QAM	25	25	20.97	20.72	20.75			
10	64QAM	50	0	20.94	20.74	20.72	21.8	3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.78	23.79	23.66	24.8	0	
5	QPSK	1	12	23.89	23.84	23.75			
5	QPSK	1	24	23.77	23.84	23.84			
5	QPSK	12	0	22.96	22.96	22.94			
5	QPSK	12	7	22.93	22.88	22.92			
5	QPSK	12	13	22.97	22.90	22.81	23.8	1	
5	QPSK	25	0	22.93	22.88	22.92			
5	16QAM	1	0	23.55	23.49	23.01			
5	16QAM	1	12	23.09	23.19	22.87			
5	16QAM	1	24	23.53	23.49	23.27			
5	16QAM	12	0	21.94	21.93	21.87	22.8	2	
5	16QAM	12	7	21.94	21.93	21.87			
5	16QAM	12	13	21.99	21.97	21.95			
5	16QAM	25	0	22.00	21.86	21.96			
5	64QAM	1	0	22.19	22.03	22.10			
5	64QAM	1	12	22.25	22.02	21.94	22.8	2	
5	64QAM	1	24	22.16	22.16	22.08			
5	64QAM	12	0	20.96	20.94	20.94			
5	64QAM	12	7	20.96	21.02	20.82			
5	64QAM	12	13	20.96	20.99	20.82			
5	64QAM	25	0	20.95	20.79	20.92	21.8	3	
Channel				23025	23095	23165			
Frequency (MHz)				700.5 <th>707.5</th> <th>714.5</th>	707.5	714.5			
3	QPSK	1	0	23.70	23.76	23.73	24.8	0	
3	QPSK	1	8	23.83	23.72	23.82			
3	QPSK	8	14	23.90	23.82	23.91			
3	QPSK	8	4	22.97	22.92	22.97			
3	QPSK	8	4	23.00	22.89	22.82			
3	QPSK	8	7	22.94	22.73	22.94	23.8	1	
3	QPSK	16	0	22.96	22.85	22.87			
3	QPSK	16	0	23.50	22.83	23.48			
3	16QAM	1	0	23.24	23.48	22.90			
3	16QAM	1	14	23.32	23.19	23.08			
3	16QAM	8	0	21.89	21.94	21.80	22.8	2	
3	16QAM	8	4	22.10	21.88	22.01			
3	16QAM	8	7	22.05	21.81	21.95			
3	16QAM	15	0	21.96	21.87	21.94			
3	64QAM	1	0	22.19	22.03	22.10			
3	64QAM	1	8	21.77	22.19	21.77	22.8	2	
3	64QAM	1	14	22.09	22.01	22.11			
3	64QAM	8	0	20.91	20.93	20.91			
3	64QAM	8	4	20.91	21.01	20.99			
3	64QAM	8	7	20.83	20.87	20.95			
3	64QAM	15	0	20.91	20.88	20.95	21.8	3	
Channel				23025	23135	23175			
Frequency (MHz)				699.7 <th>707.5</th> <th>715.3</th>	707.5	715.3			
1.4	QPSK	1	0	23.78	23.69	23.58	24.8	0	
1.4	QPSK	1	3	23.75	23.61	23.72			
1.4	QPSK	1	5	23.90	23.56	23.86			
1.4	QPSK	3	0	23.74	23.77	23.58			
1.4	QPSK	3	1	23.85	23.76	23.81			
1.4	QPSK	3	2	23.87	23.72	23.79	23.8	1	
1.4	QPSK	6	0	22.96	22.94	22.94			
1.4	16QAM	1	0	22.94	23.15	22.90			
1.4	16QAM	1	3	23.16	22.76	23.08			
1.4	16QAM	1	5	23.26	23.47	23.22			
1.4	16QAM	3	0	22.93	22.93	22.95	23.8	1	
1.4	16QAM	3	1	22.93	23.00	22.93			
1.4	16QAM	3	2	22.92	22.96	23.01			
1.4	16QAM	6	0	21.89	21.93	21.96			
1.4	64QAM	1	0	21.83	22.21	22.21			
1.4	64QAM	1	3	22.35	22.14	22.34	22.8	2	
1.4	64QAM	1	5	22.51	22.02	21.87			
1.4	64QAM	3	0	22.14	22.02	21.73			
1.4	64QAM	3	1	22.13	22.03	22.18			
1.4	64QAM	3	2	22.10	22.06	22.15			
1.4	64QAM	6	0	20.91	20.84	20.78	21.8	3	



Band 17 ANT 0_DS12										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)		
Channel				2370	2379	2380				
Frequency (MHz)				710	711	711				
10	QPSK	1	0	23.67	23.77	23.71	24.8	0		
10	QPSK	1	25	23.78	23.87	23.80				
10	QPSK	1	49	23.76	23.81	23.79				
10	QPSK	25	0	22.74	22.80	22.78				
10	QPSK	25	12	22.71	22.74	22.72	23.8	1		
10	QPSK	25	25	22.69	22.71	22.70				
10	QPSK	50	0	22.70	22.77	22.75				
10	16QAM	1	0	23.36	22.85	22.75				
10	16QAM	1	25	23.39	23.28	22.77	23.8	1		
10	16QAM	1	49	23.16	23.26	22.78				
10	16QAM	25	0	21.86	21.74	21.76				
10	16QAM	25	12	21.88	21.89	21.71				
10	16QAM	25	25	21.80	21.88	21.73	22.8	2		
10	16QAM	50	0	21.87	21.88	21.71				
10	64QAM	1	0	21.51	21.89	21.54				
10	64QAM	1	25	22.13	22.06	21.71				
10	64QAM	1	49	22.05	21.98	21.77	22.8	2		
10	64QAM	25	0	20.74	20.67	20.70				
10	64QAM	25	12	20.82	20.71	20.70				
10	64QAM	25	25	20.79	20.68	20.70				
10	64QAM	50	0	20.78	20.73	20.75				
Channel				2375	2379	2385	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	23.66	23.74	23.81	24.8	0		
5	QPSK	1	12	23.65	23.75	23.86				
5	QPSK	1	24	23.79	23.78	23.81				
5	QPSK	12	0	22.86	22.87	22.81				
5	QPSK	12	7	22.86	22.80	22.85	23.8	1		
5	QPSK	12	13	22.86	22.81	22.80				
5	QPSK	25	0	22.81	22.81	22.77				
5	16QAM	1	0	22.83	22.85	23.53				
5	16QAM	1	12	22.99	23.59	23.04	23.8	1		
5	16QAM	1	24	23.48	23.41	22.92				
5	16QAM	12	0	21.79	21.88	21.85				
5	16QAM	12	7	21.83	21.81	21.91				
5	16QAM	12	13	21.90	21.85	21.86	22.8	2		
5	16QAM	25	0	21.92	21.77	21.81				
5	64QAM	1	0	21.62	22.39	22.04				
5	64QAM	1	12	22.37	22.19	22.36				
5	64QAM	1	24	22.21	21.94	21.80	21.8	3		
5	64QAM	12	0	20.80	20.84	20.78				
5	64QAM	12	7	20.91	20.81	20.89				
5	64QAM	12	13	20.75	20.88	20.85				
5	64QAM	25	0	20.78	20.81	20.98				

Band 25 ANT 0_DS12										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)		
Channel				26140	26340	26560				
Frequency (MHz)				1880	1890	1905				
20	QPSK	1	0	21.43	21.50	21.33	22.3	0		
20	QPSK	1	49	21.50	21.59	21.44				
20	QPSK	1	99	21.34	21.36	21.33				
20	QPSK	50	0	21.57	21.58	21.48				
20	QPSK	50	24	21.56	21.55	21.46	22.3	0		
20	QPSK	50	50	21.50	21.52	21.42				
20	QPSK	100	0	21.50	21.52	21.41				
20	16QAM	1	0	21.38	21.45	21.22				
20	16QAM	1	49	21.39	21.46	21.40	22.3	0		
20	16QAM	1	99	21.32	21.42	21.30				
20	16QAM	50	0	21.48	21.56	21.35				
20	16QAM	50	24	21.49	21.48	21.37				
20	16QAM	50	50	21.53	21.49	21.47	22.3	0		
20	16QAM	100	0	21.50	21.52	21.40				
20	64QAM	1	0	21.28	21.34	21.20				
20	64QAM	1	49	21.34	21.40	21.36				
20	64QAM	1	99	21.13	21.30	21.22	21.3	1		
20	64QAM	50	0	20.55	20.63	20.42				
20	64QAM	50	24	20.53	20.57	20.44				
20	64QAM	50	50	20.43	20.54	20.43				
20	64QAM	100	0	20.49	20.53	20.41				
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1907.5				
15	QPSK	1	0	21.42	21.48	21.31	22.3	0		
15	QPSK	1	37	21.41	21.51	21.35				
15	QPSK	1	74	21.28	21.29	21.34				
15	QPSK	36	0	21.51	21.48	21.41				
15	QPSK	36	20	21.49	21.52	21.41	22.3	0		
15	QPSK	36	39	21.46	21.48	21.35				
15	QPSK	75	0	21.42	21.48	21.31				
15	16QAM	1	0	21.29	21.36	21.16				
15	16QAM	1	37	21.28	21.42	21.37	22.3	0		
15	16QAM	1	74	21.23	21.33	21.24				
15	16QAM	36	0	21.40	21.46	21.31				
15	16QAM	36	20	21.42	21.44	21.29				
15	16QAM	36	39	21.43	21.45	21.41	22.3	0		
15	16QAM	75	0	21.43	21.48	21.37				
15	64QAM	1	0	21.28	21.24	21.12				
15	64QAM	1	37	21.31	21.37	21.28				
15	64QAM	1	74	21.09	21.27	21.13	21.3	1		
15	64QAM	36	0	20.52	20.54	20.39				
15	64QAM	36	20	20.46	20.49	20.34				
15	64QAM	36	39	20.40	20.47	20.37				
15	64QAM	75	0	20.44	20.44	20.36				
Channel				26050	26340	26600	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1910				
10	QPSK	1	0	21.38	21.46	21.30	22.3	0		
10	QPSK	1	25	21.40	21.53	21.41				
10	QPSK	1	49	21.29	21.31	21.28				
10	QPSK	25	0	21.54	21.48	21.45				
10	QPSK	25	12	21.47	21.51	21.38	22.3	0		
10	QPSK	25	25	21.41	21.44	21.33				
10	QPSK	50	0	21.44	21.48	21.38				
10	16QAM	1	0	21.34	21.35	21.14				
10	16QAM	1	25	21.36	21.40	21.34	22.3	0		
10	16QAM	1	49	21.29	21.38	21.23				
10	16QAM	25	0	21.42	21.52	21.32				
10	16QAM	25	12	21.44	21.43	21.34				
10	16QAM	25	25	21.47	21.42	21.39	22.3	0		
10	16QAM	50	0	21.46	21.45	21.31				
10	64QAM	1	0	21.20	21.31	21.14				
10	64QAM	1	25	21.25	21.35	21.27				
10	64QAM	1	49	21.05	21.21	21.13	21.3	1		
10	64QAM	50	0	20.52	20.58	20.39				
10	64QAM	50	0	20.41	20.44	20.37				
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1856.5	1880	1912.5				
5	QPSK	1	0	21.38	21.49	21.31	22.3	0		
5	QPSK	1	12	21.43	21.51	21.37				
5	QPSK	1	24	21.27	21.43	21.31				
5	QPSK	12	0	21.52	21.52	21.45				
5	QPSK	12	7	21.49	21.48	21.40	22.3	0		
5	QPSK	12	13	21.44	21.44	21.33				
5	QPSK	25	0	21.46	21.44	21.38				
5	16QAM	1	0	21.26	21.42	21.18				
5	16QAM	1	12	21.33	21.37	21.33	22.3	0		
5	16QAM	1	24	21.25	21.39	21.22				
5	16QAM	12	0	21.43	21.48	21.32				
5	16QAM	12	7	21.43	21.39	21.32				
5	16QAM	12	13	21.44	21.44	21.43	21.3	1		
5	16QAM	25	0	21.47	21.42	21.36				
5	64QAM	1	0	21.21	21.24	21.13				
5	64QAM	1	12	21.30	21.36	21.31				
5	64QAM	1	24	21.08	21.20	21.17	21.3	1		
5	64QAM	12	0	20.47	20.53	20.32				
5	64QAM	12	7	20.45	20.54	20.35				
5	64QAM	12	13	20.43	20.48	20.34				
5	64QAM	25	0	20.44	20.46	20.32				
Channel				26055	26340	26575	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1913.5				
3	QPSK	1	0	21.41	21.46	21.31	22.3	0		
3	QPSK	1	8	21.45	21.54	21.39				
3	QPSK	1	14	21.26	21.31	21.26				
3	QPSK	8	0	21.51	21.53	21.42				
3	QPSK	8	4	21.49	21.47	21.36	22.3	0		
3	QPSK	15	0	21.41	21.45	21.34				
3	16QAM	1	0	21.30	21.42	21.14				
3	16QAM	1	8	21.35	21.43	21.33				
3	16QAM	1	14	21.29	21.32	21.23	22.3	0		
3	16QAM	8	0	21.51	21.47	21.29				
3	16QAM	8	4	21.39	21.40	21.27				
3	16QAM	8	7	21.47	21.46	21.44				
3	16QAM	15	0	21.47	21.46	21.33	21.3	1		
3	64QAM	1	0	21.19	21.29	21.14				
3	64QAM	1	8	21.26	21.32	21.26				
3	64QAM	1	14	21.09	21.14	21.14				
3	64QAM	8	0	20.48	20.58	20.35	21.3	1		
3	64QAM	8	4	20.48	20.53	20.35				
3	64QAM	8	7	20.34	20.50	20.37				
3	64QAM	15	0	20.42	20.45	20.34				
Channel				26047	26340	26583	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850	1880	1914.3				
1.4	QPSK	1	0	21.40	21.46	21.31	22.3	0		
1.4	QPSK	1	3	21.45	21.49	21.37				
1.4	QPSK	1	5	21.27	21.33	21.26				
1.4	QPSK	3	0	21.48	21.49	21.45				
1.4	QPSK	3	1	21.49	21.45	21.36	22.3	0		
1.4	QPSK	3	3	21.47	21.49	21.36				
1.4	QPSK	6	0	21.46	21.46	21.45				
1.4	16QAM	1	0	21.28	21.42	21.15				
1.4	16QAM	1	3	21.31	21.40	21.36	22.3	0		
1.4	16QAM	1	5	21.22	21.38	21.27				
1.4	16QAM	3	0	21.45	21.51	21.28				
1.4	16QAM	3	1	21.42	21.42	21.27				
1.4	16QAM	3	3	21.46	21.43	21.39	22.3	0		
1.4	16QAM	6	0	21.40	21.44	21.36				
1.4	64QAM	1	0	21.25	21.24	21.13				
1.4	64QAM	1	3	21.30	21.33	21.33				
1.4	64QAM	1	5	21.07	21.23	21.15	22.3	0		
1.4	64QAM	3	0	21.26	21.24	21.17				
1.4	64QAM	3	1	21.31	21.36	21.35				
1.4	64QAM	3	3	21.09	21.28	21.18				
1.4	64QAM	6	0	20.39	20.47	20.33	21.3	1		



Band 66 ANT 0_DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572	1714.5	1720	
Frequency (MHz)									
20	QPSK	1	0	20.51	20.57	20.49	21.3	0	
20	QPSK	1	49	20.62	20.63	20.55			
20	QPSK	1	99	20.38	20.59	20.38			
20	QPSK	50	0	20.46	20.59	20.58			
20	QPSK	50	24	20.53	20.55	20.54	21.3	0	
20	QPSK	50	50	20.52	20.54	20.53			
20	QPSK	100	0	20.48	20.50	20.48			
20	16QAM	1	0	20.27	20.33	20.27			
20	16QAM	1	49	20.38	20.39	20.28	21.3	0	
20	16QAM	1	99	20.19	20.03	20.14			
20	16QAM	50	0	20.48	20.58	20.62			
20	16QAM	50	24	20.56	20.53	20.53			
20	16QAM	50	50	20.50	20.53	20.59	21.3	0	
20	16QAM	100	0	20.51	20.50	20.48			
20	64QAM	1	0	20.34	20.37	20.28			
20	64QAM	1	49	20.45	20.33	20.44			
20	64QAM	1	99	20.24	20.10	20.12	21.3	0	
20	64QAM	50	0	20.49	20.59	20.58			
20	64QAM	50	24	20.58	20.55	20.56			
20	64QAM	50	50	20.51	20.55	20.60			
20	64QAM	100	0	20.49	20.50	20.46	1717.5	1745	1772.5
Channel				132047	132322	132597			
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.47	20.56	20.44	21.3	0	
15	QPSK	1	37	20.55	20.55	20.51			
15	QPSK	1	74	20.31	20.28	20.35			
15	QPSK	36	0	20.36	20.58	20.50			
15	QPSK	36	20	20.48	20.47	20.49	21.3	0	
15	QPSK	36	39	20.44	20.45	20.47			
15	QPSK	75	0	20.42	20.40	20.41			
15	16QAM	1	0	20.22	20.28	20.18			
15	16QAM	1	37	20.29	20.32	20.19	21.3	0	
15	16QAM	1	74	20.16	19.96	20.08			
15	16QAM	36	0	20.38	20.51	20.52			
15	16QAM	36	20	20.48	20.47	20.46			
15	16QAM	36	39	20.47	20.47	20.51	21.3	0	
15	16QAM	75	0	20.41	20.46	20.43			
15	64QAM	1	0	20.24	20.31	20.21			
15	64QAM	1	37	20.37	20.29	20.36			
15	64QAM	1	74	20.21	20.00	20.02	21.3	0	
15	64QAM	36	0	20.42	20.50	20.48			
15	64QAM	36	20	20.53	20.49	20.52			
15	64QAM	36	39	20.43	20.47	20.42			
15	64QAM	75	0	20.46	20.46	20.47	132022	132322	132522
Channel				1715 <th>1745<th>1775<th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></th></th>	1745 <th>1775<th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></th>	1775 <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>			
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.49	20.54	20.44	21.3	0	
10	QPSK	1	25	20.59	20.54	20.51			
10	QPSK	1	49	20.28	20.28	20.33			
10	QPSK	25	0	20.38	20.56	20.49			
10	QPSK	25	12	20.47	20.51	20.47	21.3	0	
10	QPSK	25	25	20.44	20.50	20.48			
10	QPSK	50	0	20.41	20.47	20.38			
10	16QAM	1	0	20.22	20.30	20.19			
10	16QAM	1	25	20.33	20.35	20.24	21.3	0	
10	16QAM	1	49	20.15	19.99	20.04			
10	16QAM	25	0	20.45	20.53	20.55			
10	16QAM	25	12	20.51	20.48	20.43			
10	16QAM	25	25	20.47	20.48	20.49	21.3	0	
10	16QAM	50	0	20.48	20.45	20.44			
10	64QAM	1	0	20.31	20.33	20.23			
10	64QAM	1	25	20.40	20.23	20.41			
10	64QAM	1	49	20.14	20.04	20.04	21.3	0	
10	64QAM	25	0	20.44	20.55	20.50			
10	64QAM	25	12	20.49	20.47	20.46			
10	64QAM	25	25	20.42	20.52	20.55			
10	64QAM	50	0	20.40	20.45	20.41	131997	132322	132847
Channel				1712.5 <th>1745<th>1777.5<th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></th></th>	1745 <th>1777.5<th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></th>	1777.5 <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>			
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.47	20.52	20.45	21.3	0	
5	QPSK	1	12	20.53	20.58	20.45			
5	QPSK	1	24	20.29	20.25	20.30			
5	QPSK	12	0	20.42	20.49	20.49			
5	QPSK	12	7	20.44	20.45	20.45	21.3	0	
5	QPSK	12	13	20.42	20.45	20.47			
5	QPSK	25	0	20.44	20.45	20.39			
5	16QAM	1	0	20.18	20.23	20.23			
5	16QAM	1	12	20.32	20.30	20.21	21.3	0	
5	16QAM	1	24	20.10	19.94	20.07			
5	16QAM	12	0	20.43	20.52	20.55			
5	16QAM	12	7	20.51	20.45	20.46			
5	16QAM	12	13	20.44	20.43	20.50	21.3	0	
5	16QAM	25	0	20.47	20.47	20.40			
5	64QAM	1	0	20.24	20.32	20.21			
5	64QAM	1	12	20.40	20.25	20.39			
5	64QAM	1	24	20.18	20.03	20.05	21.3	0	
5	64QAM	12	0	20.42	20.51	20.48			
5	64QAM	12	7	20.51	20.46	20.48			
5	64QAM	12	13	20.46	20.47	20.52			
5	64QAM	25	0	20.41	20.44	20.38	131987	132322	132537
Channel				1711.5 <th>1745<th>1778.5<th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></th></th>	1745 <th>1778.5<th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></th>	1778.5 <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>			
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	20.50	20.52	20.47	21.3	0	
3	QPSK	1	8	20.58	20.54	20.49			
3	QPSK	1	14	20.32	20.27	20.28			
3	QPSK	8	0	20.39	20.54	20.50			
3	QPSK	8	4	20.44	20.51	20.46	21.3	0	
3	QPSK	8	7	20.48	20.48	20.44			
3	QPSK	15	0	20.39	20.46	20.44			
3	16QAM	1	0	20.24	20.28	20.17			
3	16QAM	1	8	20.33	20.36	20.20	21.3	0	
3	16QAM	1	14	20.12	19.93	20.09			
3	16QAM	8	0	20.43	20.49	20.54			
3	16QAM	8	4	20.53	20.47	20.50			
3	16QAM	8	7	20.46	20.44	20.50	21.3	0	
3	16QAM	15	0	20.47	20.41	20.44			
3	64QAM	1	0	20.30	20.29	20.24			
3	64QAM	1	8	20.37	20.27	20.37			
3	64QAM	1	14	20.18	20.05	20.05	21.3	0	
3	64QAM	8	0	20.40	20.50	20.50			
3	64QAM	8	4	20.50	20.49	20.53			
3	64QAM	8	7	20.47	20.48	20.51			
3	64QAM	15	0	20.42	20.46	20.41	131979	132322	132665
Channel				1710.7 <th>1745<th>1779.3<th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></th></th>	1745 <th>1779.3<th data-kind="ghost"></th><th data-kind="ghost"></th><th data-kind="ghost"></th></th>	1779.3 <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>			
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	20.49	20.56	20.46	21.3	0	
1.4	QPSK	1	3	20.53	20.53	20.47			
1.4	QPSK	1	5	20.29	20.28	20.29			
1.4	QPSK	3	0	20.39	20.49	20.51			
1.4	QPSK	3	1	20.44	20.47	20.46	21.3	0	
1.4	QPSK	3	3	20.42	20.48	20.43			
1.4	QPSK	6	0	20.42	20.42	20.41			
1.4	16QAM	1	0	20.17	20.24	20.23			
1.4	16QAM	1	3	20.28	20.29	20.24	21.3	0	
1.4	16QAM	1	5	20.10	19.96	20.09			
1.4	16QAM	3	0	20.43	20.52	20.58			
1.4									

Band 38 ANT 0_DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	37.650	38.000	38.150	23.8	0
				20.90	20.95	20.10		
20	QPSK	1	49	23.18	23.21	23.19		
20	QPSK	1	99	23.30	23.35	23.34	22.8	1
20	QPSK	50	0	22.23	22.27	22.25		
20	QPSK	50	24	22.21	22.25	22.23		
20	QPSK	50	50	22.18	22.23	22.21	22.8	1
20	QPSK	100	0	22.19	22.25	22.21		
20	16QAM	1	0	22.22	22.21	22.23		
20	16QAM	1	49	22.36	22.42	22.40	21.8	2
20	16QAM	1	99	22.42	22.40	22.34		
20	16QAM	50	0	21.12	21.18	21.15		
20	16QAM	50	24	21.19	21.19	21.26	21.8	2
20	16QAM	50	50	21.25	21.30	21.26		
20	16QAM	100	0	21.23	21.32	21.28		
20	64QAM	1	0	20.84	20.86	20.90	20.8	3
20	64QAM	1	49	21.00	21.02	21.07		
20	64QAM	1	99	21.07	21.03	21.05		
20	64QAM	50	0	20.13	20.19	20.22	20.8	3
20	64QAM	50	24	20.22	20.20	20.25		
20	64QAM	50	50	20.19	20.31	20.28		
20	64QAM	100	0	20.16	20.21	20.26		
	Channel			37.645	38.000	38.175		
Frequency (MHz)								
15	QPSK	1	0	23.17	23.24	23.23	23.8	0
15	QPSK	1	37	23.27	23.31	23.32		
15	QPSK	1	74	23.30	23.31	23.34		
15	QPSK	36	0	22.28	22.35	22.30	22.8	1
15	QPSK	36	20	22.32	22.37	22.36		
15	QPSK	36	39	22.37	22.37	22.38		
15	QPSK	75	0	22.33	22.35	22.39	22.8	1
15	16QAM	1	0	22.34	22.42	22.39		
15	16QAM	1	37	22.46	22.50	22.45		
15	16QAM	1	74	21.73	21.69	21.72	21.8	2
15	16QAM	36	0	21.27	21.36	21.37		
15	16QAM	36	20	21.32	21.36	21.37		
15	16QAM	36	39	21.33	21.38	21.37	21.8	2
15	16QAM	75	0	21.36	21.41	21.38		
15	64QAM	1	0	21.03	21.09	21.06		
15	64QAM	1	37	21.12	21.19	21.20	21.8	2
15	64QAM	1	74	21.13	21.14	21.15		
15	64QAM	36	0	20.35	20.37	20.36		
15	64QAM	36	20	20.36	20.39	20.39	20.8	3
15	64QAM	36	39	20.33	20.39	20.40		
15	64QAM	75	0	20.34	20.39	20.36		
	Channel			37.650	38.000	38.200		
Frequency (MHz)								
10	QPSK	1	0	23.19	23.27	23.26	23.8	0
10	QPSK	1	25	23.24	23.29	23.33		
10	QPSK	1	49	23.26	23.27	23.35		
10	QPSK	25	0	22.35	22.43	22.42	22.8	1
10	QPSK	25	12	22.34	22.41	22.42		
10	QPSK	25	25	22.35	22.42	22.48		
10	16QAM	1	0	22.39	22.48	22.45	22.8	1
10	16QAM	1	25	22.43	22.51	22.63		
10	16QAM	1	49	22.44	22.47	22.50		
10	16QAM	25	0	21.36	21.44	21.46	21.8	2
10	16QAM	25	12	21.35	21.40	21.47		
10	16QAM	25	25	21.39	21.41	21.45		
10	16QAM	50	0	21.37	21.45	21.44	21.8	2
10	16QAM	50	0	21.08	21.13	21.16		
10	64QAM	1	25	21.10	21.18	21.22		
10	64QAM	1	49	21.10	21.13	21.16	20.8	3
10	64QAM	25	0	20.37	20.45	20.48		
10	64QAM	25	12	20.38	20.43	20.48		
10	64QAM	25	25	20.40	20.46	20.48	20.8	3
10	64QAM	50	0	20.39	20.43	20.40		
10	64QAM	50	0	20.39	20.44	20.48		

Band 41 ANT 0_DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Mid Ch / Freq	Power High Ch / Freq	Power High Mid Ch / Freq	Power High Ch / Freq	Turn-up Int (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
				39750	40185	40620	41055	41490		
				2500	2549.5	2593	2638.5	2680		
20	QPSK	1	0	22.41	22.39	22.46	22.58	22.34		
20	QPSK	1	49	22.42	22.45	22.48	22.44	22.40	23.8	0
20	QPSK	1	99	22.43	22.40	22.58	22.50	22.47		
20	QPSK	50	0	21.54	21.53	21.70	21.68	21.50		
20	QPSK	50	24	21.58	21.49	21.68	21.63	21.40		
20	QPSK	50	50	21.51	21.41	21.53	21.53	21.40	22.8	1
20	QPSK	100	0	21.57	21.49	21.71	21.63	21.42		
20	16QAM	1	0	21.54	21.46	21.48	21.53	21.44		
20	16QAM	1	49	21.68	21.63	21.75	21.73	21.68	22.8	1
20	16QAM	1	99	21.69	21.67	21.82	21.69	21.68		
20	16QAM	50	0	20.49	20.37	20.56	20.41	20.36		
20	16QAM	50	24	20.49	20.57	20.46	20.48	20.51	21.8	2
20	16QAM	50	50	20.54	20.57	20.48	20.48	20.54		
20	16QAM	100	0	20.55	20.47	20.71	20.53	20.54		
20	64QAM	1	0	20.22	20.14	20.21	20.15	20.12		
20	64QAM	1	49	20.33	20.33	20.44	20.37		21.8	2
20	64QAM	1	99	20.31	20.29	20.45	20.31	20.30		
20	64QAM	50	0	19.47	19.37	19.42	19.37	19.36		
20	64QAM	50	24	19.54	19.45	19.56	19.53	19.46	20.8	3
20	64QAM	50	50	19.55	19.56	19.57	19.56	19.57		
20	64QAM	100	0	19.52	19.42	19.61	19.53	19.44	turn-up Int (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.46	22.47	22.46	22.42	22.38		
15	QPSK	1	37	22.54	22.44	22.53	22.51	22.58	24	0
15	QPSK	1	74	22.45	22.55	22.55	22.51	22.53		
15	QPSK	36	0	21.56	21.66	21.61	21.52	21.60		
15	QPSK	36	20	21.58	21.59	21.63	21.63	21.62	22.8	1
15	QPSK	36	39	21.55	21.58	21.62	21.59	21.47		
15	QPSK	75	0	21.68	21.57	21.60	21.57	21.57		
15	16QAM	1	0	21.64	21.60	21.68	21.66	21.63		
15	16QAM	1	37	21.68	21.62	21.87	21.71	21.62	22.8	1
15	16QAM	1	74	21.73	21.65	21.79	21.73	21.68		
15	16QAM	36	0	20.88	20.81	20.98	20.49	20.55		
15	16QAM	36	20	20.67	20.60	20.67	20.53	20.51	21.8	2
15	16QAM	36	39	20.55	20.65	20.66	20.61	20.47		
15	16QAM	75	0	20.55	20.70	20.77	20.77	20.68		
15	64QAM	1	0	20.63	20.35	20.39	20.34	20.33		
15	64QAM	1	37	20.59	20.46	20.53	20.24	20.43	21.8	2
15	64QAM	1	74	20.38	20.39	20.48	20.34	20.38		
15	64QAM	36	0	19.47	19.64	19.70	19.66	19.55		
15	64QAM	36	20	19.35	19.63	19.74	19.57	19.55	20.8	3
15	64QAM	36	39	19.54	19.54	19.65	19.61	19.57		
15	64QAM	75	0	19.54	19.64	19.76	19.67	19.70	turn-up Int (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.43	22.38	22.56	22.38	22.51		
10	QPSK	1	25	22.55	22.57	22.51	22.51	22.57	23.80	0
10	QPSK	1	49	22.48	22.55	22.53	22.51	22.49		
10	QPSK	25	0	21.73	21.65	21.79	21.62	21.75		
10	QPSK	25	12	21.59	21.59	21.70	21.68	21.76		
10	QPSK	25	25	21.72	21.62	21.81	21.65	21.64	22.8	1
10	QPSK	50	0	21.67	21.72	21.83	21.68	21.66		
10	16QAM	1	0	21.81	21.64	21.83	21.64	21.71		
10	16QAM	1	25	21.76	21.78	21.88	21.74	21.74		
10	16QAM	1	49	21.67	21.77	21.81	21.66	21.77		
10	16QAM	25	0	20.64	20.64	20.62	20.73	20.68		
10	16QAM	25	12	20.64	20.67	20.66	20.70	20.67	21.8	2
10	16QAM	25	25	20.65	20.63	20.81	20.70	20.67		
10	16QAM	50	0	20.77	20.70	20.75	20.68	20.74		
10	16QAM	50	0	20.34	20.33	20.43	20.43	20.43		
10	64QAM	1	25	20.38	20.47	20.53	20.40	20.42	21.8	2
10	64QAM	1	49	20.39	20.42	20.52	20.39	20.41		
10	64QAM	25	0	19.65	19.70	19.72	19.63	19.75		
10	64QAM	25	12	19.68	19.67	19.75	19.64	19.84		
10	64QAM	25	25	19.74	19.65	19.80	19.64	19.70	20.8	3
10	64QAM	50	0	19.55	19.58	19.67	19.67	19.69		
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.38	22.53	22.56	22.45	22.54		
5	QPSK	1	12	22.50	22.48	22.52	22.59	22.47	23.80	0
5	QPSK	1	25	22.42	22.53	22.53	22.54	22.43		
5	QPSK	12	0	21.66	21.59	21.74	21.70	21.73		
5	QPSK	12	12	21.70	21.71	21.81	21.66	21.67	22.8	1
5	QPSK	12	25	21.72	21.73	21.84	21.67	21.71		
5	QPSK	25	0	21.66	21.69	21.83	21.72	21.69		
5	16QAM	1	0	21.85	21.77	21.89	21.70	21.74		
5	16QAM	1	12	21.85	21.84	21.94	21.75	21.77	22.8	1
5	16QAM	1	24	21.79	21.73	21.81	21.79	21.76		
5	16QAM	12	0	20.65	20.60	20.70	20.57	20.62		
5	16QAM	12	12	20.65	20.59	20.68	20.62	20.56	21.8	2
5	16QAM	12	25	20.70	20.62	20.69	20.65	20.69		
5	64QAM	1	0	20.43	20.50	20.47	20.29	20.35	21.8	2
5	64QAM	1	12	20.47	20.42	20.45	20.38	20.38		
5	64QAM	1	24	20.43	20.39	20.51	20.38	20.39		
5	64QAM	12	0	19.68	19.62	19.74	19.58	19.58		
5	64QAM	12	12	19.67	19.68	19.71	19.60	19.56	20.8	3
5	64QAM	12	25	19.67	19.75	19.75	19.73	19.63		
5	64QAM	25	0	19.73	19.65	19.85	19.62	19.71		

Conducted Power for DSI7

GSM850 ANT 0_DSI7	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.44	32.66	32.51	33.30	23.44	23.66	23.51	24.30
GPRS 1 Tx slot	32.39	32.63	32.44	33.30	23.39	23.63	23.44	24.30
GPRS 2 Tx slots	30.24	30.44	30.27	31.30	24.24	24.44	24.27	25.30
GPRS 3 Tx slots	27.07	28.14	28.02	28.80	23.71	23.88	23.76	24.54
GPRS 4 Tx slots	27.25	27.56	27.31	28.30	24.25	24.56	24.31	25.30
EDGE(GMSK 1 Tx slot)	32.38	32.62	32.42	33.30	23.38	23.62	23.42	24.30
EDGE(GMSK 2 Tx slots)	30.22	30.40	30.24	31.30	24.22	24.40	24.24	25.30
EDGE(GMSK 3 Tx slots)	27.96	28.11	27.99	28.80	23.70	23.85	23.73	24.54
EDGE(GMSK 4 Tx slots)	27.21	27.55	27.28	28.30	24.21	24.55	24.28	25.30
EDGE 1 Tx slot	27.04	27.11	27.06	27.80	18.04	18.11	18.06	18.80
EDGE 2 Tx slots	23.70	23.57	23.80	24.80	17.70	17.57	17.80	18.80
EDGE 3 Tx slots	21.13	21.25	21.31	22.30	16.87	16.99	17.05	18.04
EDGE 4 Tx slots	20.84	21.02	21.25	21.80	17.94	18.02	18.25	18.80

GSM1900 ANT 0_DSI7	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.28	30.36	30.39	30.60	21.28	21.36	21.39	21.60
GPRS 1 Tx slot	30.25	30.34	30.36	30.60	21.25	21.34	21.36	21.60
GPRS 2 Tx slots	27.53	27.60	27.59	28.10	21.53	21.60	21.59	22.10
GPRS 3 Tx slots	25.34	25.37	25.41	25.80	21.08	21.11	21.15	21.54
GPRS 4 Tx slots	24.62	24.68	24.67	25.30	21.62	21.68	21.67	22.30
EDGE(GMSK 1 Tx slot)	30.22	30.32	30.33	30.60	21.22	21.32	21.33	21.60
EDGE(GMSK 2 Tx slots)	27.51	27.58	27.58	28.10	21.51	21.58	21.58	22.10
EDGE(GMSK 3 Tx slots)	25.33	25.33	25.38	25.80	21.07	21.07	21.12	21.54
EDGE(GMSK 4 Tx slots)	24.60	24.66	24.68	25.30	21.60	21.66	21.68	22.30
EDGE 1 Tx slot	25.50	25.69	25.42	26.10	16.50	16.69	16.42	17.10
EDGE 2 Tx slots	23.31	23.28	23.16	23.80	17.31	17.28	17.16	17.80
EDGE 3 Tx slots	21.82	21.86	21.88	22.10	17.56	17.60	17.62	17.84
EDGE 4 Tx slots	19.41	19.59	19.60	20.30	16.41	16.59	16.60	17.30

Band	WCDMA II ANT 0_DSI7			Tune-up Limit (dBm)	WCDMA IV ANT 0_DSI7			Tune-up Limit (dBm)	WCDMA V ANT 0_DSI7			Tune-up Limit (dBm)
	9282	9400	9538		1512	1543	1513		4132	4182	4233	
TX Channel	9682	9800	9938		1537	1638	1738		4357	4407	4458	
Rx Channel	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	21.13	21.15	21.14	22.10	19.70	19.72	19.64	20.60	23.90	23.91	23.78	24.80
3GPP Rel 99 RMC 12.2Kbps	21.11	21.20	21.16	22.10	19.72	19.74	19.67	20.60	23.91	23.93	23.79	24.80
3GPP Rel 6 HSDPA Subtest-1	20.14	20.15	20.05	21.10	18.57	18.68	18.70	19.60	22.89	22.84	22.76	23.80
3GPP Rel 6 HSDPA Subtest-2	20.09	20.13	20.03	21.10	18.55	18.64	18.65	19.60	22.87	22.85	22.72	23.80
3GPP Rel 6 HSDPA Subtest-3	19.63	19.65	19.63	20.10	18.07	18.17	18.20	18.60	22.41	22.40	22.25	23.30
3GPP Rel 6 HSDPA Subtest-4	19.61	19.62	19.59	20.10	18.11	18.13	18.08	18.60	22.39	22.32	22.23	23.30
3GPP Rel 6 DC-HSDPA Subtest-1	20.11	20.12	20.03	21.10	18.49	18.64	18.61	19.60	22.72	22.73	22.63	23.80
3GPP Rel 6 DC-HSDPA Subtest-2	20.04	20.12	19.96	21.10	18.51	18.62	18.65	19.60	22.89	22.87	22.70	23.80
3GPP Rel 6 DC-HSDPA Subtest-3	19.61	19.63	19.58	20.10	18.13	18.15	18.14	18.60	22.41	22.26	22.06	23.30
3GPP Rel 6 DC-HSDPA Subtest-4	19.58	19.58	19.58	20.10	18.02	18.13	18.02	18.60	22.29	22.27	22.03	23.30
3GPP Rel 6 HSUPA Subtest-1	18.70	18.66	18.68	19.10	17.10	17.17	17.14	17.60	21.36	21.31	21.20	21.80
3GPP Rel 6 HSUPA Subtest-2	17.25	17.15	17.23	18.10	15.57	15.58	15.67	16.60	19.71	19.66	19.65	20.80
3GPP Rel 6 HSUPA Subtest-3	18.29	18.24	18.24	19.10	16.64	16.72	16.71	17.60	20.84	20.82	20.68	21.80
3GPP Rel 6 HSUPA Subtest-4	17.75	17.71	17.73	18.60	16.18	16.18	16.13	17.10	20.34	20.32	20.17	21.30
3GPP Rel 6 HSUPA Subtest-5	20.30	20.14	20.20	21.10	18.56	18.68	18.73	19.60	22.90	22.80	22.70	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest	20.06	20.04	20.00	21.10	18.57	18.65	18.54	19.60	22.65	22.71	22.58	23.80

Band 2 ANT 0_DSI7																
BW (MHz)	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	20.33	20.40	20.24	21.3	0								
20	QPSK	1	49	20.39	20.50	20.28										
20	QPSK	1	99	20.26	20.28	20.18										
20	QPSK	50	0	20.46	20.49	20.36	21.3	0								
20	QPSK	50	24	20.42	20.44	20.34										
20	QPSK	50	50	20.42	20.42	20.30										
20	QPSK	100	0	20.39	20.41	20.28	21.3	0								
20	16QAM	1	0	20.34	20.37	20.20										
20	16QAM	1	49	20.31	20.42	20.21										
20	16QAM	1	99	20.21	20.26	20.18	21.3	0								
20	16QAM	50	0	20.46	20.46	20.34										
20	16QAM	50	24	20.45	20.44	20.36										
20	16QAM	50	50	20.43	20.40	20.28	21.3	0								
20	16QAM	100	0	20.38	20.42	20.29										
20	84QAM	1	0	20.27	20.39	20.15										
20	84QAM	1	49	20.35	20.38	20.18	21.3	0								
20	84QAM	1	99	20.16	20.26	20.15										
20	84QAM	50	0	20.40	20.43	20.37										
20	84QAM	50	24	20.44	20.49	20.31	21.3	0								
20	84QAM	50	50	20.43	20.38	20.24										
20	84QAM	100	0	20.38	20.41	20.28										
Channel																
Frequency (MHz)																
15	QPSK	1	0	20.25	20.35	20.19	21.3	0								
15	QPSK	1	37	20.35	20.45	20.24										
15	QPSK	1	74	20.22	20.19	20.14										
15	QPSK	36	0	20.40	20.39	20.29	21.3	0								
15	QPSK	36	20	20.37	20.35	20.31										
15	QPSK	36	39	20.36	20.36	20.21										
15	QPSK	75	0	20.35	20.33	20.20	21.3	0								
15	16QAM	1	0	20.31	20.32	20.13										
15	16QAM	1	37	20.23	20.32	20.18										
15	16QAM	1	74	20.17	20.16	20.08	21.3	0								
15	16QAM	36	0	20.41	20.40	20.31										
15	16QAM	36	20	20.42	20.41	20.27										
15	16QAM	36	39	20.36	20.32	20.19	21.3	0								
15	16QAM	75	0	20.33	20.33	20.19										
15	84QAM	1	0	20.17	20.35	20.14										
15	84QAM	1	37	20.29	20.29	20.19	21.3	0								
15	84QAM	1	74	20.07	20.22	20.05										
15	84QAM	36	0	20.34	20.33	20.31										
15	84QAM	36	20	20.39	20.39	20.24	21.3	0								
15	84QAM	36	39	20.35	20.29	20.18										
15	84QAM	75	0	20.31	20.33	20.18										
Channel																
Frequency (MHz)																
10	QPSK	1	0	20.29	20.33	20.17	21.3	0								
10	QPSK	1	25	20.36	20.46	20.27										
10	QPSK	1	49	20.18	20.22	20.15										
10	QPSK	25	0	20.41	20.43	20.32	21.3	0								
10	QPSK	25	12	20.36	20.35	20.31										
10	QPSK	25	25	20.39	20.38	20.23										
10	QPSK	50	0	20.29	20.36	20.18	21.3	0								
10	16QAM	1	0	20.24	20.29	20.17										
10	16QAM	1	25	20.24	20.36	20.18										
10	16QAM	1	49	20.17	20.16	20.08	21.3	0								
10	16QAM	25	0	20.36	20.38	20.28										
10	16QAM	25	12	20.41	20.38	20.30										
10	16QAM	25	25	20.35	20.37	20.18	21.3	0								
10	16QAM	50	0	20.35	20.34	20.24										
10	84QAM	1	0	20.20	20.34	20.09										
10	84QAM	1	25	20.27	20.35	20.08	21.3	0								
10	84QAM	1	49	20.11	20.17	20.08										
10	84QAM	25	0	20.34	20.39	20.32										
10	84QAM	25	12	20.36	20.43	20.23	21.3	0								
10	84QAM	25	25	20.38	20.31	20.21										
10	84QAM	50	0	20.31	20.37	20.18										
Channel																
Frequency (MHz)																
5	QPSK	1	0	20.23	20.30	20.21	21.3	0								
5	QPSK	1	12	20.36	20.49	20.24										
5	QPSK	1	24	20.23	20.22	20.10										
5	QPSK	12	0	20.36	20.44	20.30	21.3	0								
5	QPSK	12	7	20.32	20.34	20.25										
5	QPSK	12	13	20.38	20.34	20.22										
5	QPSK	25	0	20.30	20.35	20.21	21.3	0								
5	16QAM	1	0	20.28	20.29	20.13										
5	16QAM	1	12	20.22	20.33	20.13										
5	16QAM	1	24	20.14	20.21	20.05	21.3	0								
5	16QAM	12	0	20.43	20.43	20.26										
5	16QAM	12	7	20.37	20.37	20.31										
5	16QAM	12	13	20.39	20.35	20.21	21.3	0								
5	16QAM	25	0	20.31	20.32	20.21										
5	84QAM	1	0	20.20	20.33	20.15										
5	84QAM	1	12	20.26	20.35	20.11	21.3	0								
5	84QAM	1	24	20.11	20.23	20.09										
5	84QAM	12	0	20.36	20.39	20.28										
5	84QAM	12	7	20.38	20.46	20.23	21.3	0								
5	84QAM	12	13	20.34	20.33	20.21										
5	84QAM	25	0	20.25	20.31	20.16										
Channel																
Frequency (MHz)																
3	QPSK	1	0	20.24	20.33	20.14	21.3	0								
3	QPSK	1	8	20.34	20.48	20.23										
3	QPSK	1	14	20.22	20.19	20.15										
3	QPSK	8	0	20.38	20.43	20.31	21.3	0								
3	QPSK	8	7	20.38	20.39	20.31										
3	QPSK	8	7	20.33	20.35	20.25										
3	QPSK	15	0	20.35	20.36	20.21	21.3	0								
3	16QAM	1	0	20.30	20.29	20.17										
3	16QAM	1	8	20.27	20.34	20.14										
3	16QAM	1	14	20.16	20.18	20.10	21.3	0								
3	16QAM	8	0	20.37	20.43	20.29										
3	16QAM	8	4	20.41	20.40	20.33										

Band 7 ANT 0_DS17											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20650	21050	21350					
Frequency (MHz)				20650	20655	20660					
20	QPSK	1	0	22.02	22.05	22.08	22.6	0			
20	QPSK	1	49	22.21	22.32	22.24					
20	QPSK	1	99	22.02	22.21	22.21					
20	QPSK	50	0	22.14	22.23	22.20	22.6	0			
20	QPSK	50	24	22.14	22.18	22.17					
20	QPSK	50	50	22.19	22.20	22.16					
20	QPSK	100	0	22.19	22.21	22.20	22.6	0			
20	16QAM	1	0	22.14	22.23	22.19					
20	16QAM	1	49	22.18	22.21	22.22					
20	16QAM	1	99	22.14	22.21	22.23	22.6	0			
20	16QAM	50	0	20.90	21.25	21.16					
20	16QAM	50	24	21.12	21.20	21.19					
20	16QAM	50	50	21.20	21.15	21.22	21.6	1			
20	16QAM	100	0	21.10	21.21	21.25					
20	64QAM	1	0	21.05	21.24	21.14					
20	64QAM	1	49	21.18	21.18	21.32	21.6	1			
20	64QAM	1	99	21.14	21.06	21.30					
20	64QAM	50	0	19.99	20.09	20.15					
20	64QAM	50	24	20.17	20.11	20.24	20.6	2			
20	64QAM	50	50	20.13	20.09	20.14					
20	64QAM	100	0	20.05	19.90	20.14					
Channel				20625	21050	21375					
Frequency (MHz)				20625	20635	20645	Tune-up limit (dBm)		MPR (dB)		
15	QPSK	1	0	22.01	22.04	22.04	22.6	0			
15	QPSK	1	37	22.11	22.23	22.16					
15	QPSK	1	74	21.99	22.13	22.11					
15	QPSK	36	0	22.08	22.20	22.14	22.6	0			
15	QPSK	36	20	22.06	22.14	22.14					
15	QPSK	36	39	22.15	22.15	22.11					
15	QPSK	75	0	22.16	22.13	22.16	22.6	0			
15	16QAM	1	0	22.11	22.14	22.11					
15	16QAM	1	37	22.12	22.18	22.19					
15	16QAM	1	74	22.08	22.18	22.16	21.6	1			
15	16QAM	36	0	20.92	21.21	21.08					
15	16QAM	36	20	21.08	21.16	21.15					
15	16QAM	36	39	21.16	21.10	21.19	21.6	1			
15	16QAM	75	0	21.06	21.15	21.17					
15	64QAM	1	0	21.02	21.17	21.05					
15	64QAM	1	37	21.12	21.11	21.25	21.6	1			
15	64QAM	1	74	21.05	21.02	21.25					
15	64QAM	36	0	19.94	20.05	20.05					
15	64QAM	36	20	20.09	20.06	20.19	20.6	2			
15	64QAM	36	39	20.08	20.05	20.04					
15	64QAM	75	0	19.97	19.93	20.14					
Channel				20800	21050	21400					
Frequency (MHz)				20800	20805	20810	Tune-up limit (dBm)		MPR (dB)		
10	QPSK	1	0	22.01	22.02	22.04	22.6	0			
10	QPSK	1	25	22.15	22.28	22.14					
10	QPSK	1	49	21.93	22.18	22.13					
10	QPSK	25	0	22.07	22.17	22.14	22.6	0			
10	QPSK	25	12	22.04	22.10	22.09					
10	QPSK	25	25	22.16	22.13	22.12					
10	QPSK	50	0	22.09	22.13	22.13	22.6	0			
10	16QAM	1	0	22.07	22.18	22.12					
10	16QAM	1	25	22.10	22.13	22.14					
10	16QAM	1	49	22.09	22.15	22.15	21.6	1			
10	16QAM	25	0	20.91	21.18	21.06					
10	16QAM	25	12	21.06	21.15	21.12					
10	16QAM	25	25	21.13	21.06	21.14	21.6	1			
10	16QAM	50	0	21.01	21.18	21.22					
10	64QAM	1	0	20.98	21.14	21.11					
10	64QAM	1	25	21.15	21.14	21.28	21.6	1			
10	64QAM	1	49	21.08	20.99	21.28					
10	64QAM	25	0	19.92	20.04	20.08					
10	64QAM	25	12	20.13	20.05	20.20	20.6	2			
10	64QAM	25	25	20.05	20.01	20.04					
10	64QAM	50	0	20.00	19.90	20.14					
Channel				20775	21050	21425					
Frequency (MHz)				20775	20785	20795	Tune-up limit (dBm)		MPR (dB)		
5	QPSK	1	0	21.97	22.00	22.07	22.6	0			
5	QPSK	1	12	22.18	22.23	22.20					
5	QPSK	1	24	21.94	22.12	22.14					
5	QPSK	12	0	22.05	22.16	22.17	22.6	0			
5	QPSK	12	7	22.09	22.11	22.09					
5	QPSK	12	13	22.10	22.12	22.11					
5	QPSK	25	0	22.12	22.12	22.10	22.6	0			
5	16QAM	1	0	22.05	22.18	22.11					
5	16QAM	1	12	22.09	22.13	22.15					
5	16QAM	1	24	22.06	22.17	22.20	21.6	1			
5	16QAM	12	0	20.90	21.20	21.10					
5	16QAM	12	7	21.08	21.17	21.09					
5	16QAM	12	13	21.16	21.12	21.17	21.6	1			
5	16QAM	25	0	21.06	21.18	21.16					
5	64QAM	1	0	21.02	21.14	21.05					
5	64QAM	1	12	21.10	21.11	21.29	21.6	1			
5	64QAM	1	24	21.09	20.98	21.23					
5	64QAM	12	0	19.89	20.04	20.10					
5	64QAM	12	7	20.07	20.05	20.17	20.6	2			
5	64QAM	12	13	20.04	20.04	20.05					
5	64QAM	25	0	19.95	19.90	20.12					

Band 12 ANT 0_DS17										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				2900	2905	2910				
Frequency (MHz)				707.5	707.5	711.5				
10	QPSK	1	0	23.85	23.88	23.80	24.8	0		
10	QPSK	1	25	23.88	23.91	23.85				
10	QPSK	1	49	23.83	23.85	23.81				
10	QPSK	25	0	22.90	22.92	22.79	23.8	1		
10	QPSK	25	12	22.88	22.89	22.78				
10	QPSK	25	25	22.85	22.88	22.71				
10	QPSK	50	0	22.85	22.89	22.81	23.8	1		
10	16QAM	1	0	23.06	22.87	23.16				
10	16QAM	1	25	22.85	23.24	23.03				
10	16QAM	1	49	23.05	22.81	23.02	22.8	2		
10	16QAM	25	0	21.87	21.76	21.83				
10	16QAM	25	12	22.02	21.70	21.89				
10	16QAM	25	25	21.89	21.67	21.78	22.8	2		
10	16QAM	50	0	21.85	21.70	21.79				
10	64QAM	1	0	22.16	21.75	21.69				
10	64QAM	1	25	22.16	21.76	21.65	22.8	2		
10	64QAM	1	49	22.16	21.76	21.66				
10	64QAM	25	0	21.01	20.98	20.81				
10	64QAM	25	12	20.97	20.87	20.73	21.8	3		
10	64QAM	25	25	20.97	20.72	20.75				
10	64QAM	50	0	20.94	20.74	20.72				
Channel				2905	2906	2915				
Frequency (MHz)				707.5	707.5	715.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.78	23.79	23.66	24.8	0		
5	QPSK	1	12	23.88	23.84	23.75				
5	QPSK	1	24	23.77	23.84	23.84				
5	QPSK	12	0	22.96	22.96	22.94	23.8	1		
5	QPSK	12	7	22.93	22.92	22.92				
5	QPSK	12	13	22.97	22.90	22.91				
5	QPSK	25	0	22.93	22.88	22.92	22.8	2		
5	16QAM	1	0	23.55	23.49	23.01				
5	16QAM	1	12	23.09	23.19	22.87				
5	16QAM	1	24	23.53	23.48	23.27	22.8	2		
5	16QAM	12	0	21.99	21.94	21.95				
5	16QAM	12	7	21.91	21.83	21.87				
5	16QAM	12	13	21.94	21.89	21.85	22.8	2		
5	16QAM	25	0	22.00	21.86	21.91				
5	64QAM	1	0	22.19	22.03	22.10				
5	64QAM	1	12	22.25	22.02	21.94	22.8	2		
5	64QAM	1	24	22.16	22.18	22.08				
5	64QAM	12	0	20.99	20.98	20.94				
5	64QAM	12	7	20.96	21.02	20.92	21.8	3		
5	64QAM	12	13	20.96	20.99	20.92				
5	64QAM	25	0	20.95	20.79	20.82				
Channel				2905	2906	2916				
Frequency (MHz)				707.5	707.5	714.5	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	23.79	23.78	23.73	24.8	0		
3	QPSK	1	8	23.83	23.72	23.70				
3	QPSK	1	14	23.90	23.62	23.77				
3	QPSK	8	0	22.97	22.94	22.91	23.8	1		
3	QPSK	8	4	23.00	22.89	22.82				
3	QPSK	8	7	22.94	22.73	22.94				
3	QPSK	16	0	22.95	22.85	22.87	23.8	1		
3	16QAM	1	0	23.50	23.93	23.48				
3	16QAM	1	8	23.24	23.48	22.99				
3	16QAM	1	14	23.32	23.19	23.06	22.8	2		
3	16QAM	8	0	21.89	21.94	21.84				
3	16QAM	8	7	22.05	21.88	22.01				
3	16QAM	8	7	22.05	21.91	21.95	22.8	2		
3	16QAM	16	0	21.96	21.87	21.84				
3	64QAM	1	0	22.45	21.77	22.04				
3	64QAM	1	8	21.77	22.19	21.77	22.8	2		
3	64QAM	1	14	22.09	22.01	22.11				
3	64QAM	8	0	20.97	20.99	20.99				
3	64QAM	8	4	20.91	20.91	20.99	21.8	3		
3	64QAM	8	7	20.83	20.87	20.95				
3	64QAM	16	0	20.91	20.88	20.89				
Channel				2907	2906	2917.3				
Frequency (MHz)				699.7 <th>707.5</th> <th>715.3</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th colspan="2"></th>	707.5	715.3	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	23.78	23.69	23.58	24.8	0		
1.4	QPSK	1	3	23.79	23.72	23.67				
1.4	QPSK	1	5	23.90	23.56	23.86				
1.4	QPSK	3	0	23.74	23.77	23.75	23.8	0		
1.4	QPSK	3	1	23.75	23.76	23.81				
1.4	QPSK	3	3	23.87	23.72	23.85				
1.4	QPSK	6	0	22.96	22.94	22.94	23.8	1		
1.4	16QAM	1	0	22.94	23.15	22.90				
1.4	16QAM	1	3	23.16	22.76	23.08				
1.4	16QAM	1	5	23.26	23.47	23.22	23.8	1		
1.4	16QAM	3	0	22.93	22.93	22.95				
1.4	16QAM	3	1	22.89	23.00	22.78				
1.4	16QAM	3	3	22.92	22.93	23.01	22.8	2		
1.4	16QAM	6	0	21.89	21.93	21.96				
1.4	64QAM	1	0	21.83	22.21	22.24				
1.4	64QAM	1	3	22.35	22.14	22.34	22.8	2		
1.4	64QAM	1	5	22.51	22.10	21.73				
1.4	64QAM	3	0	22.14	22.02	21.87				
1.4	64QAM	3	1	21.98	22.03	22.18	22.8	2		
1.4	64QAM	3	3	22.10	22.06	22.15				
1.4	64QAM	6	0	20.91	20.84	20.78				

Band 17 ANT 0_DS17											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				709	710	711					
10	QPSK	1	0	23.67	23.77	23.71	24.8	0			
10	QPSK	1	25	23.78	23.87	23.80					
10	QPSK	1	49	23.76	23.81	23.79					
10	QPSK	25	0	22.74	22.80	22.76	23.8	1			
10	QPSK	25	12	22.71	22.74	22.72					
10	QPSK	25	25	22.69	22.71	22.70					
10	QPSK	50	0	22.70	22.77	22.75	23.8	1			
10	16QAM	1	0	23.36	22.85	22.75					
10	16QAM	1	25	23.39	23.28	22.77					
10	16QAM	1	49	23.16	23.26	22.78	22.8	2			
10	16QAM	25	0	21.80	21.74	21.76					
10	16QAM	25	12	21.88	21.69	21.71					
10	16QAM	25	25	21.80	21.68	21.73	22.8	2			
10	16QAM	50	0	21.87	21.68	21.71					
10	64QAM	1	0	21.51	21.89	21.54					
10	64QAM	1	25	22.13	22.06	21.71	22.8	2			
10	64QAM	1	49	22.05	21.98	21.77					
10	64QAM	25	0	20.74	20.67	20.70					
10	64QAM	25	12	20.82	20.71	20.70	21.8	3			
10	64QAM	25	25	20.79	20.68	20.70					
10	64QAM	50	0	20.78	20.73	20.75					
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				706.5	710	713.5					
5	QPSK	1	0	23.66	23.74	23.81	24.8	0			
5	QPSK	1	12	23.65	23.75	23.86					
5	QPSK	1	24	23.79	23.78	23.81					
5	QPSK	12	0	22.86	22.87	22.81	23.8	1			
5	QPSK	12	7	22.86	22.80	22.85					
5	QPSK	12	13	22.86	22.81	22.80					
5	QPSK	25	0	22.81	22.81	22.77	23.8	1			
5	16QAM	1	0	22.83	22.85	23.53					
5	16QAM	1	12	22.99	23.59	23.04					
5	16QAM	1	24	23.48	23.41	22.92	22.8	2			
5	16QAM	12	0	21.79	21.88	21.85					
5	16QAM	12	7	21.83	21.81	21.91					
5	16QAM	12	13	21.90	21.85	21.86	22.8	2			
5	16QAM	25	0	21.92	21.77	21.81					
5	64QAM	1	0	21.82	22.09	22.04					
5	64QAM	1	12	22.37	22.19	22.36	22.8	2			
5	64QAM	1	24	22.21	21.94	21.80					
5	64QAM	12	0	20.90	20.84	20.78					
5	64QAM	12	7	20.91	20.81	20.89	21.8	3			
5	64QAM	12	13	20.75	20.88	20.85					
5	64QAM	25	0	20.78	20.81	20.98					

Band 25 ANT 0_DS17																		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.			Tune-up limit (dBm)	MPR (dB)										
				1860	1880	1905												
Channel																		
Frequency (MHz)				1860	1880	1905												
20	QPSK	1	0	20.41	20.51	20.35	21.3	0										
20	QPSK	1	49	20.53	20.60	20.41												
20	QPSK	1	99	20.30	20.32	20.31												
20	QPSK	50	0	20.57	20.59	20.48	21.3	0										
20	QPSK	50	24	20.49	20.48	20.47												
20	QPSK	50	50	20.45	20.49	20.43												
20	QPSK	100	0	20.45	20.46	20.43	21.3	0										
20	16QAM	1	0	20.33	20.40	20.18												
20	16QAM	1	49	20.35	20.46	20.38												
20	16QAM	1	99	20.33	20.40	20.28	21.3	0										
20	16QAM	50	0	20.45	20.55	20.32												
20	16QAM	50	24	20.45	20.47	20.33												
20	16QAM	50	50	20.48	20.45	20.45	21.3	0										
20	16QAM	100	0	20.46	20.50	20.43												
20	64QAM	1	0	20.25	20.33	20.21	21.3	0										
20	64QAM	1	49	20.35	20.36	20.35												
20	64QAM	1	99	20.07	20.32	20.18												
20	64QAM	50	0	20.23	20.33	20.14	21.3	0										
20	64QAM	50	24	20.32	20.39	20.39												
20	64QAM	50	50	20.13	20.33	20.25												
20	64QAM	100	0	20.20	20.37	20.27												
Channel																		
Frequency (MHz)				1871.5	18740	18815												
15	QPSK	1	0	20.39	20.47	19.07	21.3	0										
15	QPSK	1	37	20.48	20.50	20.34												
15	QPSK	1	74	20.26	20.26	20.28												
15	QPSK	36	0	20.48	20.51	20.43	21.3	0										
15	QPSK	36	20	20.40	20.51	20.39												
15	QPSK	36	39	20.36	20.40	20.40												
15	QPSK	75	0	20.37	20.36	20.34	21.3	0										
15	16QAM	1	0	20.30	20.31	20.09												
15	16QAM	1	37	20.31	20.36	20.33												
15	16QAM	1	74	20.30	20.37	20.25	21.3	0										
15	16QAM	36	0	20.37	20.46	20.22												
15	16QAM	36	20	20.40	20.40	20.29												
15	16QAM	36	39	20.45	20.37	20.38	21.3	0										
15	16QAM	75	0	20.40	20.42	20.31												
15	64QAM	1	0	20.18	20.27	20.18	21.3	0										
15	64QAM	1	37	20.36	20.36	20.37												
15	64QAM	1	74	20.01	20.23	20.15												
15	64QAM	36	0	20.14	20.28	20.05	21.3	0										
15	64QAM	36	20	20.23	20.31	20.36												
15	64QAM	36	39	20.10	20.25	20.21												
15	64QAM	75	0	20.20	20.37	20.27												
Channel																		
Frequency (MHz)				18790	18740	18860												
10	QPSK	1	0	20.40	20.46	20.33	21.3	0										
10	QPSK	1	25	20.50	20.53	20.33												
10	QPSK	1	49	20.26	20.22	20.27												
10	QPSK	25	0	20.48	20.55	20.43	21.3	0										
10	QPSK	25	12	20.43	20.51	20.42												
10	QPSK	25	25	20.41	20.44	20.39												

Band 66 ANT 0_DSI7										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				132072	132322	132572				
Frequency (MHz)				17270	1745	1770				
20	QPSK	1	0	19.52	19.55	19.47	20.3	0		
20	QPSK	1	49	19.62	19.64	19.53				
20	QPSK	1	99	19.37	19.32	19.39				
20	QPSK	50	0	19.47	19.55	19.53				
20	QPSK	50	24	19.51	19.51	19.49	20.3	0		
20	QPSK	50	50	19.48	19.49	19.54				
20	QPSK	100	0	19.42	19.50	19.46				
20	16QAM	1	0	19.22	19.31	19.28				
20	16QAM	1	49	19.33	19.38	19.23	20.3	0		
20	16QAM	1	99	19.19	18.97	19.11				
20	16QAM	50	0	19.50	19.57	19.80				
20	16QAM	50	24	19.52	19.49	19.53				
20	16QAM	50	50	19.50	19.50	19.56	20.3	0		
20	16QAM	100	0	19.53	19.45	19.42				
20	64QAM	1	0	19.36	19.31	19.29				
20	64QAM	1	49	19.41	19.28	19.44				
20	64QAM	1	99	19.25	19.05	19.09	20.3	0		
20	64QAM	50	0	19.44	19.58	19.58				
20	64QAM	50	24	19.60	19.58	19.54				
20	64QAM	50	50	19.54	19.53	19.56				
20	64QAM	100	0	19.47	19.50	19.41				
Channel				132047	132322	132997	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	19.50	19.54	19.46	20.3	0		
15	QPSK	1	37	19.60	19.57	19.48				
15	QPSK	1	74	19.30	19.27	19.34				
15	QPSK	36	0	19.39	19.47	19.50				
15	QPSK	36	20	19.46	19.41	19.43	20.3	0		
15	QPSK	36	39	19.43	19.42	19.47				
15	QPSK	75	0	19.38	19.47	19.41				
15	16QAM	1	0	19.17	19.28	19.21				
15	16QAM	1	37	19.24	19.33	19.16	20.3	0		
15	16QAM	1	74	19.12	18.94	19.06				
15	16QAM	36	0	19.43	19.54	19.53				
15	16QAM	36	20	19.47	19.46	19.44				
15	16QAM	36	39	19.42	19.49	19.48	20.3	0		
15	16QAM	75	0	19.49	19.36	19.38				
15	64QAM	1	0	19.33	19.23	19.24				
15	64QAM	1	37	19.33	19.20	19.38				
15	64QAM	1	74	19.20	19.02	19.03	20.3	0		
15	64QAM	36	0	19.35	19.53	19.54				
15	64QAM	36	20	19.51	19.51	19.48				
15	64QAM	36	39	19.45	19.45	19.48				
15	64QAM	75	0	19.38	19.43	19.36				
Channel				132022	132322	132997	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1775				
10	QPSK	1	0	19.51	19.51	19.42	20.3	0		
10	QPSK	1	25	19.54	19.56	19.46				
10	QPSK	1	49	19.29	19.24	19.35				
10	QPSK	25	0	19.37	19.50	19.48				
10	QPSK	25	12	19.42	19.44	19.46	20.3	0		
10	QPSK	25	25	19.44	19.44	19.46				
10	QPSK	50	0	19.34	19.43	19.43				
10	16QAM	1	0	19.19	19.26	19.18				
10	16QAM	1	25	19.24	19.30	19.20	20.3	0		
10	16QAM	1	49	19.12	18.91	19.06				
10	16QAM	25	0	19.43	19.50	19.55				
10	16QAM	25	12	19.43	19.40	19.43				
10	16QAM	25	25	19.40	19.50	19.51	20.3	0		
10	16QAM	50	0	19.43	19.36	19.38				
10	64QAM	1	0	19.26	19.26	19.26				
10	64QAM	1	25	19.35	19.20	19.39				
10	64QAM	1	49	19.20	18.96	19.00	20.3	0		
10	64QAM	25	0	19.41	19.51	19.55				
10	64QAM	25	12	19.50	19.51	19.46				
10	64QAM	25	25	19.44	19.47	19.51				
10	64QAM	50	0	19.40	19.41	19.33				
Channel				131597	132322	132947	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	19.51	19.54	19.44	20.3	0		
5	QPSK	1	12	19.60	19.57	19.50				
5	QPSK	1	24	19.33	19.26	19.29				
5	QPSK	12	0	19.42	19.52	19.49				
5	QPSK	12	7	19.47	19.47	19.39	20.3	0		
5	QPSK	12	13	19.43	19.45	19.49				
5	QPSK	25	0	19.37	19.41	19.38				
5	16QAM	1	0	19.15	19.28	19.21				
5	16QAM	1	12	19.27	19.28	19.15	20.3	0		
5	16QAM	1	24	19.14	18.93	19.05				
5	16QAM	12	0	19.41	19.51	19.53				
5	16QAM	12	7	19.44	19.44	19.46				
5	16QAM	12	13	19.41	19.46	19.51	20.3	0		
5	16QAM	25	0	19.46	19.41	19.35				
5	64QAM	1	0	19.26	19.28	19.23				
5	64QAM	1	12	19.37	19.23	19.35				
5	64QAM	1	24	19.17	19.01	19.03	20.3	0		
5	64QAM	12	0	19.39	19.49	19.53				
5	64QAM	12	7	19.51	19.50	19.44				
5	64QAM	12	13	19.48	19.49	19.46				
5	64QAM	25	0	19.40	19.40	19.35				
Channel				131597	132322	132997	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1745	1779.5				
3	QPSK	1	0	19.47	19.53	19.42	20.3	0		
3	QPSK	1	8	19.56	19.57	19.49				
3	QPSK	1	14	19.30	19.27	19.29				
3	QPSK	8	0	19.38	19.51	19.47				
3	QPSK	8	4	19.48	19.42	19.45	20.3	0		
3	QPSK	8	7	19.41	19.43	19.47				
3	QPSK	15	0	19.39	19.41	19.40				
3	16QAM	1	0	19.13	19.24	19.25				
3	16QAM	1	8	19.30	19.32	19.19	20.3	0		
3	16QAM	1	14	19.14	18.99	19.08				
3	16QAM	8	0	19.47	19.49	19.52				
3	16QAM	8	4	19.42	19.40	19.48				
3	16QAM	8	7	19.43	19.47	19.49	20.3	0		
3	16QAM	15	0	19.49	19.42	19.37				
3	64QAM	1	0	19.32	19.27	19.26				
3	64QAM	1	8	19.35	19.23	19.39				
3	64QAM	1	14	19.18	18.98	19.02	20.3	0		
3	64QAM	8	0	19.41	19.53	19.51				
3	64QAM	8	4	19.52	19.48	19.44				
3	64QAM	8	7	19.48	19.48	19.49				

Band 38 ANT 0_DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Int (ms)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	23.18	23.21	23.19	23.8	0		
20	QPSK	1	49	23.22	23.35	23.34				
20	QPSK	1	99	23.30	23.30	23.30				
20	QPSK	50	0	22.23	22.27	22.25	22.8	1		
20	QPSK	50	24	22.21	22.25	22.23				
20	QPSK	50	50	22.18	22.23	22.21				
20	QPSK	100	0	22.19	22.25	22.21	21.8	2		
20	16QAM	1	0	22.22	22.21	22.23				
20	16QAM	1	49	22.36	22.42	22.40				
20	16QAM	1	99	22.42	22.40	22.34	22.8	1		
20	16QAM	50	0	21.12	21.18	21.15				
20	16QAM	50	24	21.19	21.19	21.26				
20	16QAM	50	50	21.25	21.30	21.26	21.8	2		
20	16QAM	100	0	21.23	21.32	21.28				
20	64QAM	1	0	20.84	20.86	20.90				
20	64QAM	1	49	21.00	21.02	21.07	21.8	2		
20	64QAM	1	99	21.07	21.03	21.05				
20	64QAM	50	0	20.13	20.19	20.22				
20	64QAM	50	24	20.22	20.20	20.25	20.8	3		
20	64QAM	50	50	20.19	20.31	20.28				
20	64QAM	100	0	20.16	20.21	20.28				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.17	23.24	23.23	23.8	0		
15	QPSK	1	37	23.27	23.31	23.32				
15	QPSK	1	74	23.30	23.31	23.34				
15	QPSK	36	0	22.28	22.35	22.39	22.8	1		
15	QPSK	36	20	22.32	22.37	22.36				
15	QPSK	36	39	22.37	22.37	22.38				
15	QPSK	75	0	22.33	22.35	22.36	22.8	1		
15	16QAM	1	0	22.34	22.42	22.39				
15	16QAM	1	37	22.46	22.50	22.53				
15	16QAM	1	74	22.49	22.47	22.46	22.8	1		
15	16QAM	36	0	21.27	21.36	21.37				
15	16QAM	36	20	21.32	21.36	21.37				
15	16QAM	36	39	21.33	21.38	21.37	21.8	2		
15	16QAM	75	0	21.36	21.41	21.38				
15	64QAM	1	0	21.03	21.09	21.06				
15	64QAM	1	37	21.12	21.19	21.20	21.8	2		
15	64QAM	1	74	21.13	21.14	21.15				
15	64QAM	36	0	20.35	20.37	20.39				
15	64QAM	36	20	20.36	20.39	20.39	20.8	3		
15	64QAM	36	39	20.33	20.39	20.40				
Channel										
Frequency (MHz)										
10	QPSK	1	0	23.19	23.27	23.26			23.8	0
10	QPSK	1	25	23.24	23.29	23.33				
10	QPSK	1	49	23.26	23.27	23.35				
10	QPSK	25	0	22.35	22.43	22.45	22.8	1		
10	QPSK	25	12	22.34	22.41	22.42				
10	QPSK	25	25	22.35	22.42	22.48				
10	16QAM	1	0	22.39	22.48	22.45	22.8	1		
10	16QAM	1	25	22.43	22.51	22.63				
10	16QAM	1	49	22.44	22.47	22.50				
10	16QAM	25	0	21.36	21.44	21.46	21.8	2		
10	16QAM	25	12	21.35	21.40	21.47				
10	16QAM	25	25	21.39	21.41	21.45				
10	16QAM	50	0	21.37	21.45	21.44	21.8	2		
10	16QAM	50	0	21.08	21.13	21.16				
10	64QAM	1	25	21.10	21.18	21.22				
10	64QAM	1	49	21.10	21.13	21.16	21.8	2		
10	64QAM	25	0	20.37	20.45	20.49				
10	64QAM	25	12	20.38	20.43	20.48				
10	64QAM	25	25	20.40	20.46	20.48	20.8	3		
10	64QAM	50	0	20.39	20.43	20.40				
10	64QAM	50	0	20.39	20.44	20.48				

Band 41 ANT 0_DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up Int (ms)	MFR (dB)		
Channel												
Frequency (MHz)												
20	QPSK	0	0	22.41	22.39	22.48	22.58	22.40	23.8	0		
20	QPSK	1	49	22.49	22.45	22.59	22.54	22.34				
20	QPSK	1	99	22.43	22.40	22.58	22.52	22.47				
20	QPSK	50	0	21.54	21.63	21.70	21.68	21.50	22.8	1		
20	QPSK	50	24	21.59	21.49	21.60	21.57	21.49				
20	QPSK	50	50	21.51	21.41	21.53	21.47	21.47				
20	QPSK	100	0	21.67	21.49	21.67	21.63	21.42	21.8	2		
20	16QAM	1	0	21.54	21.46	21.48	21.53	21.44				
20	16QAM	1	49	21.69	21.63	21.76	21.70	21.68				
20	16QAM	1	99	21.69	21.67	21.62	21.62	21.47	22.8	1		
20	16QAM	50	0	20.49	20.37	20.56	20.41	20.36				
20	16QAM	50	24	20.45	20.53	20.49	20.52	20.51				
20	16QAM	50	50	20.54	20.57	20.60	20.59	20.54	21.8	2		
20	16QAM	100	0	20.55	20.47	20.71	20.63	20.54				
20	64QAM	1	0	20.22	20.14	20.21	20.13	20.20				
20	64QAM	1	49	20.33	20.33	20.44	20.35	20.37	21.8	2		
20	64QAM	1	99	20.31	20.29	20.45	20.30	20.30				
20	64QAM	50	0	19.47	19.37	19.42	19.37	19.36				
20	64QAM	50	24	19.54	19.45	19.56	19.53	19.48	20.8	3		
20	64QAM	50	50	19.55	19.56	19.57	19.54	19.48				
20	64QAM	100	0	19.52	19.42	19.61	19.53	19.42				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.46	22.47	22.46	22.57	22.39	23.8	0		
15	QPSK	1	37	22.54	22.44	22.53	22.51	22.58				
15	QPSK	1	74	22.45	22.55	22.54	22.57	22.53				
15	QPSK	36	0	21.56	21.59	21.63	21.63	21.52	22.8	1		
15	QPSK	36	20	21.68	21.59	21.63	21.63	21.61				
15	QPSK	36	39	21.55	21.58	21.62	21.59	21.47				
15	QPSK	75	0	21.68	21.57	21.60	21.60	21.57	22.8	1		
15	16QAM	1	0	21.64	21.60	21.68	21.66	21.63				
15	16QAM	1	37	21.68	21.62	21.67	21.71	21.62				
15	16QAM	1	74	21.73	21.65	21.79	21.76	21.69	21.8	2		
15	16QAM	36	0	20.88	20.81	20.88	20.81	20.81				
15	16QAM	36	20	20.67	20.60	20.67	20.63	20.51				
15	16QAM	36	39	20.50	20.65	20.66	20.61	20.47	21.8	2		
15	16QAM	75	0	20.55	20.70	20.77	20.77	20.69				
15	64QAM	1	0	20.63	20.35	20.39	20.34	20.33				
15	64QAM	1	37	20.59	20.46	20.53	20.24	20.42	21.8	2		
15	64QAM	1	74	20.38	20.39	20.48	20.17	20.25				
15	64QAM	36	0	19.47	19.64	19.70	19.56	19.55				
15	64QAM	36	20	19.35	19.63	19.74	19.57	19.52	20.8	3		
15	64QAM	36	39	19.54	19.54	19.73	19.66	19.61				
15	64QAM	75	0	19.54	19.64	19.76	19.66	19.64				
Channel												
Frequency (MHz)												
10	QPSK	0	0	22.43	22.38	22.56	22.56	22.65	23.8	0		
10	QPSK	1	25	22.55	22.57	22.51	22.57	22.57				
10	QPSK	1	49	22.48	22.55	22.53	22.51	22.40				
10	QPSK	25	0	21.73	21.65	21.79	21.62	21.75	22.8	1		
10	QPSK	25	12	21.59	21.59	21.70	21.62	21.75				
10	QPSK	25	25	21.72	21.62	21.81	21.65	21.84				
10	QPSK	50	0	21.67	21.72	21.83	21.68	21.66	22.8	1		
10	16QAM	1	0	21.81	21.64	21.83	21.63	21.71				
10	16QAM	1	25	21.76	21.76	21.88	21.78	21.86				
10	16QAM	1	49	21.67	21.77	21.81	21.66	21.77	21.8	2		
10	16QAM	25	0	20.64	20.64	20.82	20.73	20.69				
10	16QAM	25	12	20.64	20.67	20.69	20.69	20.70				
10	16QAM	25	25	20.65	20.63	20.81	20.70	20.67	21.8	2		
10	16QAM	50	0	20.77	20.70	20.75	20.68	20.74				
10	16QAM	50	0	20.34	20.33	20.43	20.30	20.43				
10	64QAM	1	25	20.38	20.47	20.53	20.40	20.42	21.8	2		
10	64QAM	1	49	20.39	20.42	20.52	20.38	20.41				
10	64QAM	25	0	19.65	19.70	19.72	19.63	19.75				
10	64QAM	25	12	19.68	19.67	19.75	19.64	19.74	20.8	3		
10	64QAM	25	25	19.74	19.65	19.80	19.64	19.70				
10	64QAM	50	0	19.65	19.58	19.67	19.67	19.63				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.38	22.53	22.56	22.45	22.54	23.8	0		
5	QPSK	1	12	22.50	22.48	22.52	22.56	22.47				
5	QPSK	1	25	22.43	22.53	22.53	22.53	22.43				
5	QPSK	12	0	21.65	21.59	21.74	21.70	21.73	22.8	1		
5	QPSK	12	7	21.70	21.71	21.81	21.66	21.67				
5	QPSK	12	19	21.75	21.73	21.78	21.59	21.57				
5	16QAM	1	0	21.66	21.69	21.83	21.70	21.67	22.8	1		
5	16QAM	1	12	21.60	21.69	21.83	21.70	21.77				
5	16QAM	1	24	21.70	21.73	21.81	21.70	21.76				
5	16QAM	12	0	20.65	20.60	20.70	20.57	20.62	21.8	2		
5	16QAM	12	7	20.65	20.65	20.68	20.62	20.56				
5	16QAM	12	19	20.67	20.67	20.72	20.72	20.51				
5	16QAM	25	0	20.78	20.62	20.69	20.65	20.69	21.8	2		
5	64QAM	1	0	20.43	20.50	20.47	20.28	20.39				
5	64QAM	1	12	20.47	20.52	20.47	20.32	20.38				
5	64QAM	1	24	20.43	20.39	20.47	20.30	20.38	20.8	3		
5	64QAM	12	0	19.68	19.62	19.74	19.58	19.58				
5	64QAM	12	7	19.68	19.68	19.71	19.60	19.61				
5	64QAM	12	19	19.67	19.61	19.68	19.61	19.61	20.8	3		
5	64QAM	25	0	19.73	19.65	19.85	19.62	19.71				
5	64QAM	25	0	19.73	19.65	19.85	19.62	19.71				

Conducted Power for DSI4&DSI9

GSM850 ANT 0_DSI4&9	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.44	32.66	32.51	33.30	23.44	23.66	23.51	24.30
GPRS 1 Tx slot	32.39	32.63	32.44	33.30	23.39	23.63	23.44	24.30
GPRS 2 Tx slots	30.24	30.44	30.27	31.30	24.24	24.44	24.27	25.30
GPRS 3 Tx slots	27.07	28.14	28.02	28.80	23.71	23.88	23.76	24.54
GPRS 4 Tx slots	27.25	27.56	27.31	28.30	24.25	24.58	24.31	25.30
EDGE(GMSK 1 Tx slot)	32.38	32.62	32.42	33.30	23.38	23.62	23.42	24.30
EDGE(GMSK 2 Tx slots)	30.22	30.40	30.24	31.30	24.22	24.40	24.24	25.30
EDGE(GMSK 3 Tx slots)	27.96	28.11	27.99	28.80	23.70	23.85	23.73	24.54
EDGE(GMSK 4 Tx slots)	27.21	27.55	27.28	28.30	24.21	24.55	24.28	25.30
EDGE 1 Tx slot	27.04	27.11	27.06	27.80	18.04	18.11	18.06	18.80
EDGE 2 Tx slots	23.70	23.57	23.80	24.80	17.70	17.57	17.80	18.80
EDGE 3 Tx slots	21.13	21.25	21.31	22.30	16.87	16.99	17.05	18.04
EDGE 4 Tx slots	20.84	21.02	21.25	21.80	17.94	18.02	18.25	18.80

GSM1900 ANT 0_DSH&9	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.28	30.36	30.39	30.60	21.28	21.36	21.39	21.60
GPRS 1 Tx slot	30.25	30.34	30.36	30.60	21.25	21.34	21.36	21.60
GPRS 2 Tx slots	27.53	27.60	27.59	28.10	21.53	21.60	21.59	22.10
GPRS 3 Tx slots	25.34	25.37	25.41	25.80	21.08	21.11	21.15	21.54
GPRS 4 Tx slots	24.62	24.68	24.67	25.30	21.62	21.68	21.67	22.30
EDGE(GMSK 1 Tx slot)	30.22	30.32	30.33	30.60	21.22	21.32	21.33	21.60
EDGE(GMSK 2 Tx slots)	27.51	27.58	27.58	28.10	21.51	21.58	21.58	22.10
EDGE(GMSK 3 Tx slots)	25.33	25.33	25.38	25.80	21.07	21.07	21.12	21.54
EDGE(GMSK 4 Tx slots)	24.60	24.66	24.68	25.30	21.60	21.66	21.68	22.30
EDGE 1 Tx slot	25.50	25.69	25.42	26.10	16.50	16.69	16.42	17.10
EDGE 2 Tx slots	23.31	23.28	23.16	23.80	17.31	17.28	17.16	17.80
EDGE 3 Tx slots	21.82	21.86	21.88	22.10	17.56	17.60	17.62	17.84
EDGE 4 Tx slots	19.41	19.59	19.60	20.30	16.41	16.59	16.60	17.30

Band	WCDMA II ANT 0_DSH&9			Tune-up Limit (dBm)	WCDMA IV ANT 0_DSH&9			Tune-up Limit (dBm)	WCDMA V ANT 0_DSH&9			Tune-up Limit (dBm)
	9282	9406	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9682	9800	9938		1637	1638	1738		4367	4407	4458	
Rx Channel	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	23.80	23.82	23.81	24.60	23.81	23.85	23.83	24.60	23.90	23.91	23.78	24.80
3GPP Rel 99 RMC 12.2Kbps	23.83	23.85	23.83	24.60	23.82	23.86	23.84	24.60	23.91	23.93	23.79	24.80
3GPP Rel 6 HSDPA Subtest-1	22.78	22.75	22.76	23.60	22.66	22.72	22.75	23.60	22.89	22.84	22.76	23.80
3GPP Rel 6 HSDPA Subtest-2	22.78	22.73	22.74	23.60	22.66	22.70	22.75	23.60	22.87	22.85	22.72	23.80
3GPP Rel 6 HSDPA Subtest-3	22.31	22.30	22.28	22.60	22.23	22.25	22.27	22.60	22.41	22.40	22.25	23.30
3GPP Rel 6 HSDPA Subtest-4	22.28	22.26	22.25	22.60	22.17	22.21	22.22	22.60	22.39	22.32	22.23	23.30
3GPP Rel 6 DC-HSDPA Subtest-1	22.78	22.66	22.56	23.60	22.48	22.67	22.67	23.60	22.72	22.73	22.63	23.80
3GPP Rel 6 DC-HSDPA Subtest-2	22.58	22.72	22.55	23.60	22.50	22.59	22.72	23.60	22.89	22.67	22.70	23.80
3GPP Rel 6 DC-HSDPA Subtest-3	22.29	22.13	22.26	22.60	22.07	22.16	22.25	22.60	22.41	22.26	22.06	23.30
3GPP Rel 6 DC-HSDPA Subtest-4	22.28	22.24	22.19	22.60	22.06	22.16	22.07	22.60	22.29	22.27	22.03	23.30
3GPP Rel 6 HSUPA Subtest-1	21.25	21.22	21.24	21.60	21.13	21.22	21.22	21.60	21.36	21.31	21.20	21.80
3GPP Rel 6 HSUPA Subtest-2	19.76	19.71	19.73	20.60	19.64	19.67	19.70	20.60	19.71	19.66	19.65	20.80
3GPP Rel 6 HSUPA Subtest-3	20.77	20.74	20.74	21.60	20.67	20.70	20.70	21.60	20.84	20.82	20.68	21.80
3GPP Rel 6 HSUPA Subtest-4	20.26	20.26	20.23	21.10	20.15	20.19	20.18	21.10	20.34	20.32	20.17	21.30
3GPP Rel 6 HSUPA Subtest-5	22.80	22.70	22.70	23.60	22.68	22.70	22.71	23.60	22.90	22.80	22.70	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest	22.61	22.69	22.57	23.60	22.48	22.69	22.58	23.60	22.65	22.71	22.58	23.80



Band 2 ANT 0_DSI4&9												
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / 16700	Power Middle Ch. / 16900	Power High Ch. / 19100	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.42	23.46	23.33			24.3	0		
20	QPSK	1	49	23.50	23.54	23.39						
20	QPSK	1	99	23.31	23.34	23.30						
20	QPSK	50	0	22.55	22.56	22.49						
20	QPSK	50	24	22.49	22.50	22.43						
20	QPSK	50	50	22.45	22.46	22.40			23.3	1		
20	QPSK	100	0	22.52	22.53	22.39						
20	16QAM	1	0	22.58	22.65	22.29						
20	16QAM	1	49	22.71	22.70	22.41						
20	16QAM	1	99	22.76	22.53	22.40						
20	16QAM	50	0	21.52	21.51	21.40			22.3	2		
20	16QAM	50	24	21.54	21.59	21.39						
20	16QAM	50	50	21.54	21.44	21.35						
20	16QAM	100	0	21.46	21.38	21.29						
20	64QAM	1	0	21.52	21.75	21.48						
20	64QAM	1	49	21.55	21.77	21.69			22.3	2		
20	64QAM	1	99	21.33	21.68	21.43						
20	64QAM	50	0	20.53	20.53	20.38						
20	64QAM	50	24	20.49	20.54	20.42						
20	64QAM	50	50	20.41	20.45	20.32						
20	64QAM	100	0	20.47	20.48	20.32			21.3	3		
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.36	23.40	23.43			24.3	0		
15	QPSK	1	37	23.51	23.46	23.35						
15	QPSK	1	74	23.29	23.36	23.29						
15	QPSK	36	0	22.52	22.55	22.36						
15	QPSK	36	20	22.57	22.59	22.40						
15	QPSK	36	39	22.46	22.49	22.45			23.3	1		
15	QPSK	75	0	22.50	22.53	22.44						
15	16QAM	1	0	22.58	23.02	22.83						
15	16QAM	1	74	23.06	23.02	22.96						
15	16QAM	1	74	22.95	22.92	22.93						
15	16QAM	36	0	21.53	21.55	21.37			22.3	2		
15	16QAM	36	20	21.56	21.60	21.43						
15	16QAM	36	39	21.50	21.49	21.46						
15	16QAM	75	0	21.58	21.48	21.37						
15	64QAM	1	0	21.53	21.61	21.58						
15	64QAM	1	37	21.60	21.65	21.67			22.3	2		
15	64QAM	1	74	21.51	21.31	21.77						
15	64QAM	36	0	20.57	20.59	20.30						
15	64QAM	36	20	20.54	20.50	20.50						
15	64QAM	36	39	20.48	20.50	20.44						
15	64QAM	75	0	20.42	20.42	20.36			21.3	3		
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.31	23.49	23.41			24.3	0		
10	QPSK	1	25	23.50	23.50	23.41						
10	QPSK	1	49	23.37	23.42	23.31						
10	QPSK	25	0	22.55	22.56	22.54						
10	QPSK	25	12	22.54	22.52	22.47						
10	QPSK	25	25	22.56	22.51	22.47			23.3	1		
10	QPSK	50	0	22.59	22.58	22.53						
10	16QAM	1	0	22.75	23.06	22.88						
10	16QAM	1	25	22.60	22.66	22.91						
10	16QAM	1	49	22.56	22.78	22.50						
10	16QAM	25	0	21.50	21.60	21.44			22.3	2		
10	16QAM	25	12	21.64	21.56	21.45						
10	16QAM	25	25	21.59	21.42	21.39						
10	16QAM	50	0	21.60	21.53	21.45						
10	64QAM	1	0	21.46	21.81	21.24						
10	64QAM	1	25	21.61	21.81	21.60			22.3	2		
10	64QAM	1	49	21.70	21.86	21.71						
10	64QAM	25	0	20.55	20.66	20.46						
10	64QAM	25	12	20.52	20.56	20.40						
10	64QAM	25	25	20.53	20.52	20.43						
10	64QAM	50	0	20.59	20.62	20.41			21.3	3		
Channel												
Frequency (MHz)												
1807	QPSK	1	0	23.31	23.49	23.41			24.3	0		
1807	QPSK	1	25	23.50	23.50	23.41						
1807	QPSK	1	49	23.37	23.42	23.31						
1807	QPSK	25	0	22.55	22.56	22.54						
1807	QPSK	25	12	22.54	22.52	22.47						
1807	QPSK	25	25	22.56	22.51	22.47			23.3	1		
1807	QPSK	50	0	22.59	22.58	22.53						
1807	16QAM	1	0	22.75	23.06	22.88						
1807	16QAM	1	25	22.60	22.66	22.91						
1807	16QAM	1	49	22.56	22.78	22.50						
1807	16QAM	25	0	21.50	21.60	21.44			22.3	2		
1807	16QAM	25	12	21.64	21.56	21.45						
1807	16QAM	25	25	21.59	21.42	21.39						
1807	16QAM	50	0	21.60	21.53	21.45						
1807	64QAM	1	0	21.46	21.81	21.24						
1807	64QAM	1	25	21.61	21.81	21.60			22.3	2		
1807	64QAM	1	49	21.70	21.86	21.71						
1807	64QAM	25	0	20.55	20.66	20.46						
1807	64QAM	25	12	20.52	20.56	20.40						
1807	64QAM	25	25	20.53	20.52	20.43						
1807	64QAM	50	0	20.59	20.62	20.41			21.3	3		
Channel												
Frequency (MHz)												
1807	QPSK	1	0	23.31	23.49	23.41			24.3	0		
1807	QPSK	1	8	23.40	23.45	23.47						
1807	QPSK	1	14	23.40	23.45	23.44						
1807	QPSK	8	0	22.52	22.52	22.57						
1807	QPSK	8	4	22.56	22.50	22.57						
1807	QPSK	8	4	22.45	22.50	22.66			23.3	1		
1807	QPSK	15	0	22.46	22.55	22.60						
1807	16QAM	1	0	23.04	22.74	22.64						
1807	16QAM	1	8	22.38	22.75	23.07						
1807	16QAM	1	14	22.68	22.58	22.90						
1807	16QAM	8	0	21.53	21.69	21.57			22.3	2		
1807	16QAM	8	4	21.46	21.64	21.62						
1807	16QAM	8	7	21.51	21.49	21.74						
1807	16QAM	15	0	21.53	21.44	21.70						
1807	64QAM	1	0	21.52	21.59	21.78						
1807	64QAM	1	8	21.80	21.83	21.87			22.3	2		
1807	64QAM	1	14	21.54	21.78	21.88						
1807	64QAM	8	0	20.54	20.61	20.60						
1807	64QAM	8	4	20.57	20.49	20.64						
1807	64QAM	8	7	20.62	20.53	20.63						
1807	64QAM	15	0	20.46	20.53	20.56			21.3	3		
Channel												
Frequency (MHz)												
1807	QPSK	1	0	23.47	23.49	23.48			24.3	0		
1807	QPSK	1	3	23.46	23.42	23.40						
1807	QPSK	1	5	23.27	23.37	23.39						
1807	QPSK	3	0	23.29	23.45	23.51						
1807	QPSK	3	1	23.46	23.45	23.51						
1807	QPSK	3	3	23.44	23.44	23.48			23.3	1		
1807	QPSK	6	0	22.53	22.61	22.64						
1807	16QAM	1	0	22.58	23.09	22.80						
1807	16QAM	1	3	22.45	22.61	22.98						
1807	16QAM	1	5	23.01	23.02	22.73						
1807	16QAM	3	0	22.54	22.59	22.67			23.3	1		
1807	16QAM	3	1	22.58	22.61	22.66						
1807	16QAM	3	3	22.37	22.44	22.69						
1807												



Band 7 ANT 0_DSI4&9										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dbm)	MPR (db)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	22.86	23.02	22.95	23.6	0		
20	QPSK	1	49	23.20	23.25	23.24				
20	QPSK	1	99	23.13	23.02	23.21				
20	QPSK	50	0	22.25	22.28	22.27				
20	QPSK	50	24	22.15	22.21	22.19	22.6	1		
20	QPSK	50	50	22.14	22.20	22.18				
20	QPSK	100	0	22.16	22.21	22.18				
20	16QAM	1	0	21.90	22.13	22.03				
20	16QAM	1	49	22.04	22.15	22.16	22.6	1		
20	16QAM	1	99	22.21	22.24	22.22				
20	16QAM	50	0	20.99	21.20	21.17				
20	16QAM	50	24	21.10	21.19	21.20				
20	16QAM	50	50	21.17	21.17	21.28	21.6	2		
20	16QAM	100	0	21.08	21.16	21.22				
20	64QAM	1	0	21.10	21.29	21.20				
20	64QAM	1	49	21.18	21.19	21.38				
20	64QAM	1	99	21.11	21.12	21.28	20.6	3		
20	64QAM	50	0	19.96	20.10	20.21				
20	64QAM	50	24	20.16	20.16	20.18				
20	64QAM	50	50	20.11	20.14	20.19				
20	64QAM	100	0	20.00	20.03	20.22				
Channel				20825	21100	21375	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	22.82	23.07	23.16	23.6	0		
15	QPSK	1	37	22.98	23.01	23.04				
15	QPSK	1	74	22.99	23.24	23.23				
15	QPSK	36	0	22.00	22.12	22.23				
15	QPSK	36	20	22.10	22.20	22.22	22.6	1		
15	QPSK	36	39	22.23	22.19	22.35				
15	QPSK	75	0	22.07	22.20	22.32				
15	16QAM	1	0	22.16	22.34	22.16				
15	16QAM	1	37	22.16	22.31	22.25	22.6	1		
15	16QAM	1	74	22.26	22.39	22.43				
15	16QAM	36	0	21.05	21.18	21.19				
15	16QAM	36	20	21.09	21.20	21.25				
15	16QAM	36	39	21.21	21.23	21.40	21.6	2		
15	16QAM	75	0	21.11	21.15	21.30				
15	64QAM	1	0	21.03	21.27	21.35				
15	64QAM	1	37	21.37	21.55	21.35				
15	64QAM	1	74	21.47	21.43	21.31	20.6	3		
15	64QAM	36	0	20.08	20.17	20.29				
15	64QAM	36	20	20.17	20.24	20.35				
15	64QAM	36	39	20.26	20.20	20.37				
15	64QAM	75	0	20.12	20.06	20.21				
Channel				20800	21100	21400	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	23.04	23.08	23.16	23.6	0		
10	QPSK	1	25	23.07	23.08	23.24				
10	QPSK	1	49	23.09	23.21	23.23				
10	QPSK	25	0	22.11	22.19	22.38				
10	QPSK	25	12	22.13	22.26	22.33	22.6	1		
10	QPSK	25	25	22.26	22.31	22.44				
10	QPSK	50	0	22.18	22.28	22.41				
10	16QAM	1	0	22.27	22.30	22.52				
10	16QAM	1	25	22.14	22.52	22.47	22.6	1		
10	16QAM	1	49	22.21	22.33	22.55				
10	16QAM	25	0	21.14	21.23	21.36				
10	16QAM	25	12	21.23	21.27	21.46				
10	16QAM	25	25	21.27	21.24	21.46	21.6	2		
10	16QAM	50	0	21.25	21.18	21.39				
10	64QAM	1	0	21.39	21.42	21.44				
10	64QAM	1	25	21.19	21.47	21.31				
10	64QAM	1	49	21.49	21.04	21.45	20.6	3		
10	64QAM	25	0	20.13	20.27	20.28				
10	64QAM	25	12	20.18	20.27	20.32				
10	64QAM	25	25	20.22	20.17	20.39				
10	64QAM	50	0	20.15	20.18	20.40				
Channel				20775	21100	21425	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	23.08	23.19	23.12	23.6	0		
5	QPSK	1	12	23.15	23.14	23.24				
5	QPSK	1	24	23.09	23.14	23.19				
5	QPSK	12	0	22.19	22.20	22.45				
5	QPSK	12	7	22.20	22.24	22.43	22.6	1		
5	QPSK	12	13	22.19	22.21	22.46				
5	QPSK	25	0	22.24	22.22	22.39				
5	16QAM	1	0	22.46	22.33	22.29				
5	16QAM	1	12	22.55	22.41	22.55	22.6	1		
5	16QAM	1	24	22.51	22.47	22.45				
5	16QAM	12	0	21.15	21.20	21.44				
5	16QAM	12	7	21.17	21.14	21.38				
5	16QAM	12	13	21.14	21.21	21.44	21.6	2		
5	16QAM	25	0	21.11	21.22	21.35				
5	64QAM	1	0	21.37	21.48	21.49				
5	64QAM	1	12	21.21	21.44	21.55				
5	64QAM	1	24	21.51	21.58	21.18	20.6	3		
5	64QAM	12	0	20.13	20.23	20.38				
5	64QAM	12	7	20.27	20.18	20.36				
5	64QAM	12	13	20.17	20.20	20.43				
5	64QAM	25	0	20.13	20.17	20.44				

Band 12 ANT 0_DSI4&9												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)				
Channel				23060	23095	23130						
Frequency (MHz)				704	707.5	711						
10	QPSK	1	0	23.85	23.88	23.80	24.8	0				
10	QPSK	1	25	23.88	23.91	23.85						
10	QPSK	1	49	23.83	23.85	23.81						
10	QPSK	25	0	22.90	22.92	22.79						
10	QPSK	25	12	22.86	22.89	22.78	23.8	1				
10	QPSK	25	25	22.85	22.88	22.71						
10	QPSK	50	0	22.85	22.89	22.81						
10	16QAM	1	0	23.06	22.87	23.16						
10	16QAM	1	25	22.85	23.24	23.03	23.8	1				
10	16QAM	1	49	23.05	22.81	23.02						
10	16QAM	25	0	21.87	21.76	21.83						
10	16QAM	25	12	22.02	21.70	21.89						
10	16QAM	25	25	21.89	21.67	21.78	22.8	2				
10	16QAM	50	0	21.85	21.70	21.79						
10	64QAM	1	0	22.16	21.75	21.89						
10	64QAM	1	25	22.16	21.78	21.65						
10	64QAM	1	49	22.05	22.07	21.60	21.8	3				
10	64QAM	25	0	23.77	23.84	23.84						
Channel				23035 <th>23070<th>23155<th colspan="4"></th></th></th>	23070 <th>23155<th colspan="4"></th></th>	23155 <th colspan="4"></th>						
Frequency (MHz)				701.5 <th>707.5<th>713.5<th colspan="4"></th></th></th>	707.5 <th>713.5<th colspan="4"></th></th>	713.5 <th colspan="4"></th>						
5	QPSK	1	0	23.78	23.79	23.66	24.8	0				
5	QPSK	1	12	23.89	23.84	23.75						
5	QPSK	1	24	23.77	23.84	23.84						
5	QPSK	12	0	22.96	22.96	22.94						
5	QPSK	12	12	22.93	22.93	22.93	23.8	1				
5	QPSK	12	13	22.97	22.92	22.81						
5	QPSK	25	0	22.93	22.88	22.92						
5	16QAM	1	0	23.55	23.49	23.01						
5	16QAM	1	12	23.09	23.19	22.87	23.8	1				
5	16QAM	1	24	23.53	23.49	23.27						
5	16QAM	12	7	21.94	21.93	21.87						
5	16QAM	12	13	21.94	21.93	21.87						
5	16QAM	12	7	21.94	21.93	21.87	22.8	2				
5	16QAM	12	13	21.94	21.93	21.87						
5	16QAM	25	0	22.06	21.86	21.96						
5	64QAM	1	0	22.19	22.03	22.10						
5	64QAM	1	12	22.25	22.02	21.94	22.8	2				
5	64QAM	1	24	22.16	22.16	22.08						
5	64QAM	12	0	20.96	20.96	20.94						
5	64QAM	12	7	20.96	21.02	20.82						
5	64QAM	12	13	20.96	20.99	20.82	21.8	3				
5	64QAM	25	0	20.95	20.79	20.92						
Channel				23025 <th>23055<th>23165<th colspan="4"></th></th></th>	23055 <th>23165<th colspan="4"></th></th>	23165 <th colspan="4"></th>						
Frequency (MHz)				700.5 <th>707.5<th>714.5<th colspan="4"></th></th></th>	707.5 <th>714.5<th colspan="4"></th></th>	714.5 <th colspan="4"></th>						
3	QPSK	1	0	23.70	23.76	23.73	24.8	0				
3	QPSK	1	8	23.83	23.72	23.62						
3	QPSK	8	14	23.90	23.92	23.77						
3	QPSK	8	4	22.97	22.92	22.91						
3	QPSK	8	4	23.00	22.89	22.82	23.8	1				
3	QPSK	8	7	22.94	22.73	22.94						
3	QPSK	16	0	22.96	22.85	22.87						
3	16QAM	1	0	23.50	23.23	23.48						
3	16QAM	1	8	23.24	23.48	22.96	23.8	1				
3	16QAM	1	14	23.32	23.19	23.08						
3	16QAM	8	0	21.89	21.94	21.80						
3	16QAM	8	4	22.10	21.88	22.01						
3	16QAM	8	7	22.05	21.81	21.95	22.8	2				
3	16QAM	15	0	21.96	21.87	21.84						
3	64QAM	1	0	22.19	22.03	22.10						
3	64QAM	1	8	21.77	22.19	21.77						
3	64QAM	1	14	22.09	22.01	22.11	22.8	2				
3	64QAM	8	0	20.91	20.93	20.91						
3	64QAM	8	4	20.91	21.01	20.99						
3	64QAM	8	7	20.83	20.87	20.95						
3	64QAM	15	0	20.91	20.88	20.91	21.8	3				
Channel				23035 <th>23070<th>23165<th colspan="4"></th></th></th>	23070 <th>23165<th colspan="4"></th></th>	23165 <th colspan="4"></th>						
Frequency (MHz)				699.7 <th>707.5<th>715.3<th colspan="4"></th></th></th>	707.5 <th>715.3<th colspan="4"></th></th>	715.3 <th colspan="4"></th>						
1.4	QPSK	1	0	23.78	23.69	23.58			24.8	0		
1.4	QPSK	1	3	23.75	23.61	23.72						
1.4	QPSK	1	5	23.90	23.56	23.86						
1.4	QPSK	3	0	23.74	23.77	23.58						
1.4	QPSK	3	1	23.87	23.76	23.81	23.8	1				
1.4	QPSK	3	3	23.77	23.72	23.72						
1.4	QPSK	6	0	22.96	22.94	22.94						
1.4	16QAM	1	0	22.94	23.15	22.90						
1.4	16QAM	1	3	23.16	22.76	23.08	23.8	1				
1.4	16QAM	1	5	23.26	23.47	23.22						
1.4	16QAM	3	0	22.93	22.93	22.95						
1.4	16QAM	3	1	22.93	23.00	22.93						
1.4	16QAM	3	3	22.82	22.96	23.01	22.8	2				
1.4	16QAM	6	0	21.89	21.93	21.96						
1.4	64QAM	1	0	21.83	22.21	22.21						
1.4	64QAM	1	3	22.35	22.14	22.34						
1.4	64QAM	1	5	22.51	22.02	21.87	22.8	2				
1.4	64QAM	3	0	22.14	22.02	21.73						
1.4	64QAM	3	1	22.12	22.03	22.18						
1.4	64QAM	3	3	22.10	22.06	22.15						
1.4	64QAM	6	0	20.91	20.84	20.78	21.8	3				



Band 17 ANT 0_DSI4&9									
BW (MHz)	Modulatio n	RB Size	RB Offset	Power Low Ch. / 2370	Power Middle Ch. / 2370	Power High Ch. / 2380	Tune-up limit (dBm)	MPR (dB)	
Channel				2370	2370	2380			
Frequency (MHz)				708	710	711			
10	QPSK	1	0	23.67	23.77	23.71	24.8	0	
10	QPSK	1	25	23.78	23.87	23.80			
10	QPSK	1	49	23.76	23.81	23.79			
10	QPSK	25	0	22.74	22.80	22.78	23.8	1	
10	QPSK	25	12	22.71	22.74	22.72			
10	QPSK	25	25	22.69	22.71	22.70			
10	QPSK	50	0	22.70	22.77	22.75	23.8	1	
10	16QAM	1	0	23.36	22.85	22.75			
10	16QAM	1	25	23.39	23.28	22.77			
10	16QAM	1	49	23.16	23.26	22.78	22.8	2	
10	16QAM	25	0	21.86	21.74	21.76			
10	16QAM	25	12	21.88	21.89	21.71			
10	16QAM	25	25	21.80	21.88	21.73	21.8	3	
10	16QAM	50	0	21.87	21.88	21.71			
10	64QAM	1	0	21.51	21.89	21.54			
10	64QAM	1	25	22.13	22.06	21.71	22.8	2	
10	64QAM	1	49	22.05	21.88	21.77			
10	64QAM	25	0	20.74	20.67	20.70			
10	64QAM	25	12	20.82	20.71	20.70	21.8	3	
10	64QAM	25	25	20.79	20.88	20.70			
10	64QAM	50	0	20.78	20.73	20.75			
Channel				2375	2370	2385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.66	23.74	23.81	24.8	0	
5	QPSK	1	12	23.65	23.75	23.86			
5	QPSK	1	24	23.79	23.78	23.81			
5	QPSK	12	0	22.86	22.87	22.81	23.8	1	
5	QPSK	12	7	22.86	22.80	22.85			
5	QPSK	12	13	22.86	22.81	22.80			
5	QPSK	25	0	22.81	22.81	22.77	23.8	1	
5	16QAM	1	0	22.83	22.85	23.53			
5	16QAM	1	12	22.99	23.59	23.04			
5	16QAM	1	24	23.48	23.41	22.92	22.8	2	
5	16QAM	12	0	21.79	21.88	21.85			
5	16QAM	12	7	21.83	21.81	21.91			
5	16QAM	12	13	21.90	21.85	21.86	22.8	2	
5	16QAM	25	0	21.92	21.77	21.81			
5	64QAM	1	0	21.62	22.36	22.04			
5	64QAM	1	12	22.37	22.19	22.36	21.8	3	
5	64QAM	1	24	22.21	21.94	21.80			
5	64QAM	12	0	20.80	20.84	20.78			
5	64QAM	12	7	20.91	20.81	20.89	20.8		
5	64QAM	12	13	20.75	20.88	20.85			
5	64QAM	25	0	20.78	20.81	20.98			

Band 25 ANT 0_DSI4&9									
BW (MHz)	Modulatio n	RB Size	RB Offset	Power Low Ch. / 26140	Power Middle Ch. / 26340	Power High Ch. / 26500	Tune-up limit (dBm)	MPR (dB)	
Channel				26140	26340	26500			
Frequency (MHz)				1868	1880	1900			
20	QPSK	1	0	23.52	23.53	23.38	24.3	0	
20	QPSK	1	49	23.55	23.56	23.50			
20	QPSK	1	99	23.33	23.34	23.30			
20	QPSK	50	0	22.56	22.60	22.54	23.3	1	
20	QPSK	50	24	22.53	22.57	22.48			
20	QPSK	50	50	22.52	22.54	22.51			
20	QPSK	100	0	22.56	22.58	22.52	23.3	1	
20	16QAM	1	0	22.97	22.98	22.43			
20	16QAM	1	49	22.81	22.72	22.70			
20	16QAM	1	99	22.40	22.92	22.58	22.3	2	
20	16QAM	50	0	21.57	21.52	21.47			
20	16QAM	50	24	21.54	21.63	21.49			
20	16QAM	50	50	20.53	20.50	20.53	21.3	3	
20	16QAM	100	0	21.59	21.50	21.48			
20	64QAM	1	0	21.52	21.59	21.55			
20	64QAM	1	49	21.75	21.61	21.68	22.3	2	
20	64QAM	1	99	21.62	21.52	21.36			
20	64QAM	50	0	20.53	20.53	20.38			
20	64QAM	50	24	20.63	20.50	20.53	21.3	3	
20	64QAM	50	50	20.49	20.45	20.44			
20	64QAM	100	0	20.53	20.45	20.48			
Channel				26115	26340	26515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	23.38	23.47	23.27	24.3	0	
15	QPSK	1	37	23.50	23.54	23.49			
15	QPSK	1	74	23.27	23.33	23.21			
15	QPSK	36	0	22.58	22.62	22.49	23.3	1	
15	QPSK	36	20	22.58	22.62	22.57			
15	QPSK	36	36	22.51	22.54	22.57			
15	QPSK	75	0	22.56	22.54	22.49	23.3	1	
15	16QAM	1	0	22.76	22.67	22.59			
15	16QAM	1	37	22.71	22.71	22.78			
15	16QAM	1	74	22.49	22.45	22.34	22.3	2	
15	16QAM	36	0	21.60	21.63	21.50			
15	16QAM	36	20	21.57	21.67	21.49			
15	16QAM	36	39	21.53	21.59	21.58	22.3	2	
15	16QAM	75	0	21.55	21.61	21.52			
15	64QAM	1	0	21.55	21.71	21.78			
15	64QAM	1	37	21.93	21.58	21.45	22.3	2	
15	64QAM	1	74	21.45	21.51	21.65			
15	64QAM	36	0	20.66	20.61	20.47			
15	64QAM	36	20	20.60	20.64	20.48	21.3	3	
15	64QAM	36	39	20.54	20.53	20.54			
15	64QAM	75	0	20.52	20.46	20.51			
Channel				26060	26340	26600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1910			
10	QPSK	1	0	23.55	23.55	23.48	24.3	0	
10	QPSK	1	25	23.52	23.55	23.49			
10	QPSK	1	49	23.54	23.44	23.44			
10	QPSK	25	0	22.61	22.71	22.60	23.3	1	
10	QPSK	25	12	22.68	22.62	22.56			
10	QPSK	25	25	22.64	22.64	22.60			
10	QPSK	50	0	22.70	22.64	22.64	23.3	1	
10	16QAM	1	0	22.72	23.14	22.63			
10	16QAM	1	25	23.03	23.11	23.01			
10	16QAM	1	49	22.72	23.09	22.91	22.3	2	
10	16QAM	25	0	21.63	21.62	21.53			
10	16QAM	25	12	21.67	21.68	21.54			
10	16QAM	25	25	21.62	21.55	21.57	22.3	2	
10	16QAM	50	0	21.64	21.63	21.59			
10	64QAM	1	0	21.81	21.64	21.47			
10	64QAM	1	25	21.93	21.93	21.82	22.3	2	
10	64QAM	1	49	21.64	21.84	21.86			
10	64QAM	50	0	20.59	20.59	20.57			
10	64QAM	25	12	20.59	20.59	20.56	21.3	3	
10	64QAM	25	25	20.67	20.67	20.60			
10	64QAM	50	0	20.65	20.53	20.53			
Channel				26065	26340	26685	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1912.5			
5	QPSK	1	0	23.31	23.49	23.50	24.3	0	
5	QPSK	1	12	23.49	23.48	23.48			
5	QPSK	1	24	23.40	23.47	23.55			
5	QPSK	12	0	22.70	22.71	22.65	23.3	1	
5	QPSK	12	7	22.64	22.56	22.78			
5	QPSK	12	13	22.62	22.62	22.64			
5	QPSK	25	0	22.64	22.59	22.74	23.3	1	
5	16QAM	1	0	23.03	22.91	22.69			



Band 66 ANT 0 DSI4&9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch /	Power Middle Ch /	Power High Ch /	Tune-up limit (dbm)	MPR (db)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.38	23.51	23.42	24.3	0	
20	QPSK	1	49	23.38	23.53	23.51			
20	QPSK	1	99	23.42	23.52	23.44			
20	QPSK	50	0	22.49	22.53	22.50			
20	QPSK	50	24	22.45	22.51	22.47	23.3	1	
20	QPSK	50	50	22.43	22.48	22.47			
20	QPSK	100	0	22.34	22.51	22.43			
20	16QAM	1	0	23.70	23.23	22.75			
20	16QAM	1	49	22.66	22.45	22.80	23.3	1	
20	16QAM	1	99	23.03	22.50	22.99			
20	16QAM	50	0	21.36	21.50	21.44			
20	16QAM	50	24	21.55	21.50	21.48			
20	16QAM	50	50	21.48	21.53	21.49	22.3	2	
20	16QAM	100	0	21.36	21.45	21.47			
20	64QAM	1	0	21.18	21.43	21.89			
20	64QAM	1	49	21.35	21.75	21.77			
20	64QAM	1	99	21.54	21.68	21.58	22.3	2	
20	64QAM	50	0	20.37	20.60	20.47			
20	64QAM	50	24	20.38	20.53	20.62			
20	64QAM	50	50	20.49	20.55	20.61			
20	64QAM	100	0	20.29	20.41	20.49	Tune-up limit (dbm)	MPR (db)	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	23.38	23.53	23.48	24.3	0	
15	QPSK	1	37	23.49	23.51	23.55			
15	QPSK	1	74	23.36	23.50	23.36			
15	QPSK	36	0	22.46	22.64	22.51			
15	QPSK	36	20	22.45	22.63	22.57	23.3	1	
15	QPSK	36	39	22.50	22.47	22.51			
15	QPSK	75	0	22.48	22.57	22.39			
15	16QAM	1	0	23.09	23.10	23.09			
15	16QAM	1	37	23.20	23.21	22.72	23.3	1	
15	16QAM	1	74	23.00	22.63	22.76			
15	16QAM	36	0	21.51	21.56	21.58			
15	16QAM	36	20	21.52	21.53	21.60			
15	16QAM	36	39	21.55	21.47	21.53	22.3	2	
15	16QAM	75	0	21.52	21.65	21.69			
15	64QAM	1	0	21.83	21.89	21.31			
15	64QAM	1	37	21.71	21.69	21.86			
15	64QAM	1	74	21.76	21.69	21.53	22.3	2	
15	64QAM	36	0	20.44	20.60	20.49			
15	64QAM	36	20	20.48	20.58	20.57			
15	64QAM	36	39	20.49	20.53	20.55			
15	64QAM	75	0	20.44	20.56	20.49	Tune-up limit (dbm)	MPR (db)	
Channel				132022	132322	132597			
Frequency (MHz)				1715	1745	1777.5			
10	QPSK	1	0	23.45	23.52	23.57	24.3	0	
10	QPSK	1	25	23.49	23.56	23.57			
10	QPSK	1	49	23.49	23.46	23.48			
10	QPSK	25	0	22.48	22.56	22.51			
10	QPSK	25	12	22.47	22.58	22.58	23.3	1	
10	QPSK	25	25	22.47	22.58	22.55			
10	QPSK	50	0	22.55	22.55	22.59			
10	16QAM	1	0	22.71	22.79	22.63			
10	16QAM	1	25	22.59	22.54	22.83	23.3	1	
10	16QAM	1	49	22.33	22.96	22.68			
10	16QAM	25	0	21.50	21.59	21.61			
10	16QAM	25	12	21.55	21.60	21.71			
10	16QAM	25	25	21.45	21.60	21.42	22.3	2	
10	16QAM	50	0	21.46	21.67	21.54			
10	64QAM	1	0	21.52	21.90	21.70			
10	64QAM	1	25	21.82	22.00	21.89			
10	64QAM	1	49	21.27	21.46	21.53	22.3	2	
10	64QAM	25	0	20.52	20.62	20.47			
10	64QAM	25	12	20.53	20.51	20.54			
10	64QAM	25	25	20.46	20.54	20.45			
10	64QAM	50	0	20.56	20.61	20.59	Tune-up limit (dbm)	MPR (db)	
Channel				131997	132322	132847			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	23.53	23.51	23.53	24.3	0	
5	QPSK	1	12	23.45	23.52	23.48			
5	QPSK	1	24	23.41	23.54	23.48			
5	QPSK	12	0	22.56	22.62	22.60			
5	QPSK	12	7	22.48	22.60	22.60	23.3	1	
5	QPSK	12	13	22.48	22.49	22.51			
5	QPSK	25	0	22.53	22.51	22.56			
5	16QAM	1	0	23.00	22.49	23.10			
5	16QAM	1	12	22.66	22.81	22.54	23.3	1	
5	16QAM	1	24	22.75	23.05	23.18			
5	16QAM	12	0	21.51	21.59	21.48			
5	16QAM	12	7	21.43	21.58	21.52			
5	16QAM	12	13	21.43	21.49	21.50	22.3	2	
5	16QAM	25	0	21.45	21.50	21.54			
5	64QAM	1	0	21.48	21.56	21.74			
5	64QAM	1	12	21.62	21.35	21.53			
5	64QAM	1	24	21.92	21.74	21.34	22.3	2	
5	64QAM	12	0	20.48	20.72	20.61			
5	64QAM	12	7	20.61	20.61	20.56			
5	64QAM	12	13	20.48	20.46	20.56			
5	64QAM	25	0	20.51	20.55	20.54	Tune-up limit (dbm)	MPR (db)	
Channel				131987	132322	132537			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	23.47	23.53	23.40	24.3	0	
3	QPSK	1	8	23.42	23.52	23.55			
3	QPSK	1	14	23.35	23.48	23.44			
3	QPSK	8	0	22.48	22.55	22.54			
3	QPSK	8	4	22.42	22.52	22.54	23.3	1	
3	QPSK	8	7	22.46	22.53	22.47			
3	QPSK	15	0	22.43	22.51	22.60			
3	16QAM	1	0	23.06	22.71	23.13			
3	16QAM	1	8	23.11	22.90	22.57	23.3	1	
3	16QAM	1	14	22.85	23.08	22.16			
3	16QAM	8	0	21.56	21.60	21.54			
3	16QAM	8	4	21.38	21.55	21.55			
3	16QAM	8	7	21.54	21.62	21.50	22.3	2	
3	16QAM	15	0	21.46	21.42	21.70			
3	64QAM	1	0	21.46	21.91	21.85			
3	64QAM	1	8	21.62	21.98	21.86			
3	64QAM	1	14	21.53	21.28	21.59	22.3	2	
3	64QAM	8	0	20.57	20.62	20.57			
3	64QAM	8	4	20.50	20.46	20.60			
3	64QAM	8	7	20.60	20.47	20.63			
3	64QAM	15	0	20.34	20.56	20.53	Tune-up limit (dbm)	MPR (db)	
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	23.22	23.56	23.36	24.3	0	
1.4	QPSK	1	3	23.26	23.42	23.49			
1.4	QPSK	1	5	23.47	23.37	23.57			
1.4	QPSK	3	0	23.35	23.52	23.54			
1.4	QPSK	3	1	23.35	23.52	23.49	23.3	1	
1.4	QPSK	3	3	23.37	23.54	23.46			
1.4	QPSK	6	0	22.48	22.56	22.55			
1.4	16QAM	1	0	22.65	22.73	22.69			
1.4	16QAM	1	3	22.34	22.48	22.53	23.3	1	
1.4	16QAM	1	5	22.66	23.10	23.09			
1.4	16QAM	3	0	22.51	22.59	22.43			
1.4	16QAM	3	1	22.55	22.56	22.61	22.3	2	
1.4	16QAM	3	3	22.46	22.55	22.55			
1.4	16QAM	6	0	21.69	21.69	21.67			
1.4	64QAM	1	0	21.82	21.51	21.67	22.3	2	
1.4	64QAM	1	3	21.61	21.78	21.82			
1.4	64QAM	1	5	21.24	21.66	21.73			
1.4	64QAM	3	0	21.50	21.63	21.69			
1.4	64QAM	3	1	21.56	21.77	21.84	21.3	3	
1.4	64QAM	3	3	21.31	21.70	21.84			
1.4	64QAM	6	0	20.34	20.46	20.65			
1.4	64QAM	6	0	20.34	20.46	20.65			

Band 38 ANT 0_DS14&9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Int (dBm)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	37.650	38.000	38.150	23.8	0		
				20.90	20.95	20.10				
20	QPSK	1	49	23.18	23.21	23.19				
20	QPSK	1	99	23.30	23.35	23.34	22.8	1		
20	QPSK	50	0	22.23	22.27	22.25				
20	QPSK	50	24	22.21	22.25	22.23				
20	QPSK	50	50	22.18	22.23	22.21	22.8	1		
20	QPSK	100	0	22.19	22.25	22.21				
20	16QAM	1	0	22.22	22.21	22.23				
20	16QAM	1	49	22.36	22.42	22.40	21.8	2		
20	16QAM	1	99	22.42	22.40	22.34				
20	16QAM	50	0	21.12	21.18	21.15				
20	16QAM	50	24	21.19	21.19	21.26	21.8	2		
20	16QAM	50	50	21.25	21.30	21.26				
20	16QAM	100	0	21.23	21.32	21.28				
20	64QAM	1	0	20.84	20.86	20.90	20.8	3		
20	64QAM	1	49	21.00	21.02	21.07				
20	64QAM	1	99	21.07	21.03	21.05				
20	64QAM	50	0	20.13	20.19	20.22	100-up	MFR (dB)		
20	64QAM	50	24	20.22	20.20	20.25				
20	64QAM	50	50	20.19	20.31	20.28				
20	64QAM	100	0	20.16	20.21	20.25				
Channel										
Frequency (MHz)										
15	QPSK	1	0	23.17	23.24	23.23	23.8	0		
15	QPSK	1	37	23.27	23.31	23.33				
15	QPSK	1	74	23.30	23.31	23.34				
15	QPSK	36	0	22.28	22.35	22.30	22.8	1		
15	QPSK	36	20	22.32	22.37	22.36				
15	QPSK	36	39	22.37	22.37	22.38				
15	QPSK	75	0	22.33	22.35	22.39	22.8	1		
15	16QAM	1	0	22.34	22.42	22.39				
15	16QAM	1	37	22.46	22.50	22.53				
15	16QAM	1	74	21.73	21.69	21.72	21.8	2		
15	16QAM	36	0	21.27	21.36	21.37				
15	16QAM	36	20	21.32	21.36	21.37				
15	16QAM	36	39	21.33	21.38	21.37	21.8	2		
15	16QAM	75	0	21.36	21.41	21.38				
15	64QAM	1	0	21.03	21.09	21.06				
15	64QAM	1	37	21.12	21.19	21.20	21.8	2		
15	64QAM	1	74	21.13	21.14	21.15				
15	64QAM	36	0	20.35	20.37	20.36				
15	64QAM	36	20	20.36	20.39	20.39	100-up	MFR (dB)		
15	64QAM	36	39	20.33	20.39	20.40				
15	64QAM	75	0	20.34	20.39	20.36				
Channel										
Frequency (MHz)										
10	QPSK	1	0	37.650	38.000	38.200	23.8	0		
				21.15	20.95	20.15				
10	QPSK	1	25	23.24	23.29	23.33				
10	QPSK	1	49	23.26	23.27	23.35	22.8	1		
10	QPSK	25	0	22.35	22.43	22.42				
10	QPSK	25	12	22.34	22.41	22.42				
10	QPSK	25	25	22.35	22.42	22.48	22.8	1		
10	QPSK	50	0	22.37	22.46	22.44				
10	QPSK	50	25	22.38	22.45	22.45				
10	16QAM	1	25	22.43	22.51	22.63	22.8	1		
10	16QAM	1	49	22.44	22.47	22.50				
10	16QAM	25	0	21.36	21.44	21.46				
10	16QAM	25	12	21.35	21.40	21.47	21.8	2		
10	16QAM	25	25	21.39	21.41	21.45				
10	16QAM	50	0	21.37	21.45	21.44				
10	16QAM	1	25	21.08	21.13	21.16	21.8	2		
10	64QAM	1	25	21.10	21.18	21.22				
10	64QAM	1	49	21.10	21.13	21.16				
10	64QAM	25	0	20.37	20.45	20.48	20.8	3		
10	64QAM	25	12	20.38	20.43	20.48				
10	64QAM	25	25	20.40	20.46	20.48				
10	64QAM	50	0	20.39	20.43	20.40	100-up	MFR (dB)		
10	64QAM	50	0	20.39	20.44	20.48				
10	64QAM	50	0	20.39	20.45	20.48				

Band 41 ANT 0_DS14&9

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [F, Freq]	Power Low Mid Ch [F, Freq]	Power High Ch [F, Freq]	Power High Mid Ch [F, Freq]	Power High Top Ch [F, Freq]	Turn-on Int. (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
20	QPSK	1	0	39750	40185	40620	41055	41490		
				2500	2549.5	2593	2638	2685		
20	QPSK	1	0	22.41	22.39	22.46	22.58	22.74		
				22.42	22.45	22.48	22.54	22.60	23.8	0
20	QPSK	1	99	22.43	22.40	22.58	22.50	22.44		
20	QPSK	50	0	21.54	21.53	21.70	21.68	21.50		
20	QPSK	50	24	21.58	21.49	21.63	21.53	21.48		
20	QPSK	50	50	21.51	21.41	21.53	21.33	21.23	21.8	2
20	QPSK	100	0	21.57	21.49	21.71	21.63	21.42		
20	16QAM	1	0	21.54	21.46	21.68	21.53	21.44		
20	16QAM	1	49	21.68	21.63	21.75	21.63	21.68		
20	16QAM	1	99	21.69	21.67	21.82	21.69	21.68		
20	16QAM	50	0	20.49	20.37	20.56	20.41	20.36		
20	16QAM	50	24	20.46	20.57	20.46	20.48	20.51	21.8	2
20	16QAM	50	50	20.54	20.57	20.46	20.48	20.54		
20	16QAM	100	0	20.55	20.47	20.71	20.53	20.54		
20	64QAM	1	0	20.22	20.14	20.21	20.13	20.12		
20	64QAM	1	49	20.33	20.33	20.44	20.37		21.8	2
20	64QAM	1	99	20.31	20.29	20.45	20.31	20.30		
20	64QAM	50	0	19.47	19.37	19.42	19.37	19.36		
20	64QAM	50	24	19.54	19.45	19.56	19.53	19.48	20.8	3
20	64QAM	50	50	19.55	19.56	19.57	19.56	19.57		
20	64QAM	100	0	19.52	19.42	19.61	19.53	19.44	turn-on Int. (dBm)	MPR (dB)
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.46	22.47	22.46	22.42	22.38		
15	QPSK	1	37	22.54	22.44	22.53	22.51	22.58	23.8	0
15	QPSK	1	74	22.45	22.55	22.55	22.53	22.53		
15	QPSK	36	0	21.56	21.66	21.61	21.52	21.60		
15	QPSK	36	20	21.58	21.59	21.63	21.63	21.64	22.8	1
15	QPSK	36	39	21.55	21.58	21.62	21.59	21.47		
15	QPSK	75	0	21.68	21.57	21.60	21.57	21.57		
15	16QAM	1	0	21.64	21.60	21.68	21.66	21.63		
15	16QAM	1	37	21.68	21.62	21.87	21.71	21.62	21.8	1
15	16QAM	1	74	21.73	21.65	21.79	21.71	21.68		
15	16QAM	36	0	20.88	20.81	20.58	20.49	20.55		
15	16QAM	36	20	20.67	20.60	20.67	20.53	20.51	21.8	2
15	16QAM	36	39	20.55	20.65	20.66	20.61	20.47		
15	16QAM	75	0	20.55	20.70	20.77	20.77	20.68		
15	64QAM	1	0	20.63	20.35	20.39	20.34	20.33		
15	64QAM	1	37	20.59	20.46	20.53	20.24	20.42	21.8	2
15	64QAM	1	74	20.38	20.39	20.48	20.34	20.38		
15	64QAM	36	0	19.47	19.34	19.70	19.66	19.55		
15	64QAM	36	20	19.35	19.63	19.74	19.57	19.55	20.8	3
15	64QAM	36	39	19.54	19.54	19.74	19.66	19.61		
15	64QAM	75	0	19.54	19.64	19.76	19.66	19.57		
Channel										
Frequency (MHz)										
10	QPSK	1	0	39750	40160	40620	41086	41540	turn-on Int. (dBm)	MPR (dB)
				2500	2547	2593	2636	2680		
10	QPSK	1	25	22.53	22.57	22.51	22.51	22.57	23.8	0
10	QPSK	1	49	22.48	22.55	22.53	22.51	22.49		
10	QPSK	25	0	21.73	21.65	21.79	21.62	21.75		
10	QPSK	25	12	21.59	21.59	21.70	21.68	21.76	22.8	1
10	QPSK	25	25	21.72	21.62	21.81	21.65	21.64		
10	QPSK	50	0	21.67	21.72	21.83	21.68	21.66		
10	16QAM	1	0	21.81	21.64	21.83	21.64	21.71		
10	16QAM	1	25	21.76	21.78	21.88	21.74	21.74		
10	16QAM	1	49	21.67	21.77	21.81	21.66	21.77		
10	16QAM	25	0	20.64	20.64	20.82	20.73	20.69		
10	16QAM	25	12	20.64	20.67	20.69	20.69	20.70	21.8	2
10	16QAM	25	25	20.65	20.63	20.81	20.70	20.67		
10	16QAM	50	0	20.77	20.70	20.75	20.68	20.74		
10	16QAM	50	0	20.34	20.33	20.43	20.34	20.43		
10	64QAM	1	25	20.38	20.47	20.53	20.40	20.42	21.8	2
10	64QAM	1	49	20.39	20.42	20.52	20.39	20.41		
10	64QAM	25	0	19.65	19.70	19.72	19.63	19.75		
10	64QAM	25	12	19.68	19.67	19.75	19.64	19.84	20.8	3
10	64QAM	25	25	19.74	19.65	19.80	19.64	19.70		
10	64QAM	50	0	19.55	19.58	19.67	19.67	19.69		
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.38	22.53	22.56	22.45	22.54	turn-on Int. (dBm)	MPR (dB)
				2500	2545.8	2593	2640.0	2687.5		
5	QPSK	12	0	22.50	22.48	22.52	22.59	22.47	23.8	0
5	QPSK	12	6	22.50	22.53	22.53	22.54	22.53		
5	QPSK	12	0	21.66	21.59	21.74	21.70	21.73		
5	QPSK	12	7	21.70	21.71	21.81	21.66	21.67	22.8	1
5	QPSK	25	0	21.72	21.73	21.83	21.67	21.71		
5	QPSK	25	0	21.66	21.69	21.83	21.72	21.69		
5	16QAM	1	0	21.85	21.77	21.89	21.70	21.74		
5	16QAM	1	12	21.85	21.84	21.94	21.75	21.77	22.8	1
5	16QAM	1	24	21.79	21.73	21.81	21.79	21.76		
5	16QAM	12	0	20.65	20.60	20.70	20.57	20.52		
5	16QAM	12	7	20.65	20.59	20.58	20.62	20.62	21.8	2
5	16QAM	12	13	20.67	20.62	20.69	20.67	20.68		
5	16QAM	25	0	20.78	20.62	20.69	20.65	20.69		
5	64QAM	1	12	20.47	20.42	20.46	20.38	20.38	21.8	2
5	64QAM	1	24	20.43	20.39	20.51	20.38	20.39		
5	64QAM	12	0	19.68	19.62	19.74	19.58	19.58		
5	64QAM	12	7	19.67	19.68	19.71	19.60	19.56	20.8	3
5	64QAM	12	13	19.67	19.71	19.75	19.70	19.63		
5	64QAM	25	0	19.73	19.65	19.85	19.62	19.71		

GSM850 ANT 1_DS14&9		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	169	251		128	169	251	
Frequency (MHz)		824.2	835.4	849.3		824.2	835.4	849.3	
GSM 1 Tx slot	32.22	32.43	32.23	33.30		23.22	23.43	23.23	24.30
GPRS 1 Tx slot	32.21	32.41	32.21	33.30		23.21	23.41	23.21	24.30
GPRS 2 Tx slots	30.03	30.12	30.01	31.30		24.03	24.12	24.01	25.30
GPRS 3 Tx slots	27.73	27.86	27.72	28.80		23.47	23.60	23.46	24.54
GPRS 4 Tx slots	27.05	27.14	27.05	28.30		24.05	24.14	24.05	25.30
EDGE(GMSK 1 Tx slot)	32.20	32.38	32.20	33.30		23.20	23.38	23.20	24.30
EDGE(GMSK 2 Tx slots)	30.02	30.11	29.98	31.30		24.02	24.11	23.98	25.30
EDGE(GMSK 3 Tx slots)	27.70	27.85	27.69	28.80		23.44	23.59	23.43	24.54
EDGE(GMSK 4 Tx slots)	27.03	27.10	27.00	28.30		24.03	24.10	24.00	25.30
EDGE 1 Tx slot	26.81	26.72	26.74	27.80		17.81	17.72	17.74	18.80
EDGE 2 Tx slots	23.43	23.36	23.46	24.80		17.43	17.36	17.46	18.80
EDGE 3 Tx slots	20.99	20.95	20.98	22.30		16.73	16.68	16.72	18.04
EDGE 4 Tx slots	20.68	20.58	20.75	21.80		17.68	17.58	17.75	18.80

GSM1900 ANT 1_DS14&9		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	29.98	30.06	30.00	30.60		20.98	21.06	21.00	21.60
GPRS 1 Tx slot	29.95	30.05	29.98	30.60		20.95	21.05	20.98	21.60
GPRS 2 Tx slots	27.23	27.31	27.17	28.10		21.23	21.31	21.17	22.10
GPRS 3 Tx slots	25.06	25.16	25.03	25.80		20.80	20.90	20.77	21.54
GPRS 4 Tx slots	24.36	24.37	24.32	25.30		21.36	21.37	21.32	22.30
EDGE(GMSK 1 Tx slot)	29.94	30.00	29.96	30.60		20.94	21.00	20.96	21.60
EDGE(GMSK 2 Tx slots)	27.20	27.28	27.15	28.10		21.20	21.28	21.15	22.10
EDGE(GMSK 3 Tx slots)	25.03	25.12	24.98	25.80		20.77	20.86	20.72	21.54
EDGE(GMSK 4 Tx slots)	24.32	24.33	24.30	25.30		21.32	21.33	21.30	22.30
EDGE 1 Tx slot	25.31	25.37	25.28	26.10		16.31	16.37	16.28	17.10
EDGE 2 Tx slots	22.96	23.04	23.04	23.80		16.96	17.04	17.04	17.80
EDGE 3 Tx slots	21.68	21.62	21.56	22.10		17.42	17.36	17.30	17.84
EDGE 4 Tx slots	19.31	19.32	19.36	20.30		16.31	16.32	16.36	17.30

Band		WCDMA II ANT 1_DS14&9			Tune-up Limit (dBm)	WCDMA IV ANT 1_DS14&9			Tune-up Limit (dBm)	WCDMA V ANT 1_DS14&9			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.58	23.60	23.56	24.60	23.54	23.60	23.53	24.60	23.73	23.79	23.66	24.80
3GPP Rel 99	RMC 12.2Kbps	23.61	23.63	23.59	24.60	23.61	23.62	23.60	24.60	23.79	23.81	23.68	24.80
3GPP Rel 6	HSDPA Subtest-1	22.48	22.52	22.49	23.60	22.46	22.43	22.44	23.60	22.76	22.71	22.63	23.80
3GPP Rel 6	HSDPA Subtest-2	22.47	22.46	22.45	23.60	22.45	22.40	22.38	23.60	22.75	22.69	22.58	23.80
3GPP Rel 6	HSDPA Subtest-3	22.00	22.05	21.99	22.60	22.01	21.98	21.93	22.60	22.26	22.24	22.12	23.30
3GPP Rel 6	HSDPA Subtest-4	21.98	22.02	21.94	22.60	21.92	21.88	21.90	22.60	22.21	22.20	22.06	23.30
3GPP Rel 6	DC-HSDPA Subtest-1	22.41	22.43	22.49	23.60	22.30	22.31	22.41	23.60	22.75	22.53	22.59	23.80
3GPP Rel 6	DC-HSDPA Subtest-2	22.30	22.43	22.27	23.60	22.29	22.36	22.22	23.60	22.66	22.53	22.48	23.80
3GPP Rel 6	DC-HSDPA Subtest-3	21.85	21.85	21.88	22.60	21.87	21.98	21.93	22.60	22.19	22.15	22.05	23.30
3GPP Rel 6	DC-HSDPA Subtest-4	21.81	21.94	21.93	22.60	21.73	21.87	21.79	22.60	22.15	22.01	21.86	23.30
3GPP Rel 6	HSUPA Subtest-1	20.90	20.97	20.97	21.60	20.88	20.88	20.91	21.60	21.19	21.15	21.05	21.80
3GPP Rel 6	HSUPA Subtest-2	19.43	19.45	19.46	20.60	19.40	19.37	19.36	20.60	19.65	19.65	19.51	20.80
3GPP Rel 6	HSUPA Subtest-3	20.50	20.49	20.51	21.60	20.42	20.37	20.43	21.60	20.73	20.67	20.54	21.80
3GPP Rel 6	HSUPA Subtest-4	19.97	19.93	19.98	21.10	19.89	19.91	19.90	21.10	20.18	20.12	20.03	21.30
3GPP Rel 6	HSUPA Subtest-5	22.40	22.40	22.50	23.60	22.40	22.40	22.40	23.60	22.70	22.70	22.50	23.80
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.27	22.31	22.26	23.60	22.20	22.29	22.21	23.60	22.31	22.37	22.28	23.80



Band 2 ANT 1_DSI4&9												
BW [MHz]	Modulatio n	RB Size	RB Offset	Power Low Ch. / 18700	Power Middle Ch. / 18900	Power High Ch. / 19100	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.43	23.46	23.28			24.3	0		
20	QPSK	1	49	23.46	23.52	23.34						
20	QPSK	1	99	23.32	23.36	23.24						
20	QPSK	50	0	22.46	22.57	22.44						
20	QPSK	50	24	22.53	22.54	22.42			23.3	1		
20	QPSK	50	50	22.48	22.56	22.33						
20	QPSK	100	0	22.48	22.51	22.38						
20	16QAM	1	0	22.71	22.77	22.51						
20	16QAM	1	49	22.81	22.83	22.61			23.3	1		
20	16QAM	1	99	22.59	22.67	22.51						
20	16QAM	50	0	21.53	21.54	21.39						
20	16QAM	50	24	21.57	21.58	21.37						
20	16QAM	50	50	21.41	21.49	21.30			22.3	2		
20	16QAM	100	0	21.48	21.44	21.32						
20	64QAM	1	0	21.67	21.75	21.44						
20	64QAM	1	49	21.69	21.68	21.47			22.3	2		
20	64QAM	1	99	21.49	21.59	21.33						
20	64QAM	50	0	20.52	20.50	20.36						
20	64QAM	50	24	20.48	20.55	20.39						
20	64QAM	50	50	20.40	20.47	20.32			21.3	3		
20	64QAM	100	0	20.47	20.44	20.33						
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.45	23.49	23.25			24.3	0		
15	QPSK	1	37	23.46	23.45	23.32						
15	QPSK	1	74	23.40	23.37	23.31						
15	QPSK	36	0	22.45	22.51	22.32						
15	QPSK	36	20	22.54	22.47	22.34			23.3	1		
15	QPSK	36	39	22.46	22.47	22.36						
15	QPSK	75	0	22.49	22.45	22.38						
15	16QAM	1	0	22.78	22.83	22.61						
15	16QAM	1	37	22.75	22.76	22.63			23.3	1		
15	16QAM	1	74	22.73	22.64	22.61						
15	16QAM	36	0	21.47	21.50	21.34						
15	16QAM	36	20	21.48	21.47	21.35			22.3	2		
15	16QAM	36	39	21.44	21.49	21.38						
15	16QAM	75	0	21.46	21.44	21.31						
15	64QAM	1	0	21.62	21.69	21.38			22.3	2		
15	64QAM	1	37	21.61	21.73	21.49						
15	64QAM	1	74	21.50	21.52	21.50						
15	64QAM	36	0	20.48	20.51	20.32						
15	64QAM	36	20	20.46	20.51	20.36			21.3	3		
15	64QAM	36	39	20.45	20.39	20.26						
15	64QAM	75	0	20.47	20.39	20.26						
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.48	23.48	23.32			24.3	0		
10	QPSK	1	25	23.50	23.48	23.39						
10	QPSK	1	49	23.45	23.46	23.35						
10	QPSK	25	0	22.48	22.51	22.43						
10	QPSK	25	12	22.53	22.51	22.38			23.3	1		
10	QPSK	25	25	22.50	22.40	22.41						
10	QPSK	50	0	22.54	22.48	22.43						
10	16QAM	1	0	22.74	22.82	22.63						
10	16QAM	1	25	22.77	22.79	22.67			23.3	1		
10	16QAM	1	49	22.70	22.76	22.58						
10	16QAM	25	0	21.50	21.53	21.44						
10	16QAM	25	12	21.53	21.47	21.38			22.3	2		
10	16QAM	25	25	21.45	21.50	21.39						
10	16QAM	50	0	21.54	21.49	21.40						
10	64QAM	1	0	21.58	21.63	21.53			21.3	3		
10	64QAM	1	25	21.62	21.62	21.44						
10	64QAM	1	49	21.56	21.66	21.47						
10	64QAM	25	0	20.46	20.50	20.46						
10	64QAM	25	12	20.55	20.50	20.33			21.3	3		
10	64QAM	25	25	20.49	20.44	20.39						
10	64QAM	50	0	20.52	20.45	20.37						
Channel												
Frequency (MHz)												
1825	QPSK	1	0	23.48	23.48	23.32			24.3	0		
1825	QPSK	1	25	23.50	23.48	23.39						
1825	QPSK	1	49	23.45	23.46	23.35						
1825	QPSK	25	0	22.48	22.51	22.43						
1825	QPSK	25	12	22.53	22.51	22.38			23.3	1		
1825	QPSK	25	25	22.50	22.40	22.41						
1825	QPSK	50	0	22.54	22.48	22.43						
1825	16QAM	1	0	22.74	22.82	22.63						
1825	16QAM	1	25	22.77	22.79	22.67			23.3	1		
1825	16QAM	1	49	22.70	22.76	22.58						
1825	16QAM	25	0	21.50	21.53	21.44						
1825	16QAM	25	12	21.53	21.47	21.38			22.3	2		
1825	16QAM	25	25	21.45	21.50	21.39						
1825	16QAM	50	0	21.54	21.49	21.40						
1825	64QAM	1	0	21.58	21.63	21.53			21.3	3		
1825	64QAM	1	25	21.62	21.62	21.44						
1825	64QAM	1	49	21.56	21.66	21.47						
1825	64QAM	25	0	20.46	20.50	20.46						
1825	64QAM	25	12	20.55	20.50	20.33			21.3	3		
1825	64QAM	25	25	20.49	20.44	20.39						
1825	64QAM	50	0	20.52	20.45	20.37						
Channel												
Frequency (MHz)												
18625	QPSK	1	0	23.48	23.50	23.48			24.3	0		
18625	QPSK	1	12	23.47	23.44	23.50						
18625	QPSK	1	24	23.50	23.49	23.46						
18625	QPSK	12	0	22.51	22.56	22.56						
18625	QPSK	12	7	22.49	22.51	22.50			23.3	1		
18625	QPSK	12	13	22.43	22.46	22.49						
18625	QPSK	25	0	22.51	22.53	22.51						
18625	16QAM	1	0	22.71	22.78	22.80						
18625	16QAM	1	12	22.72	22.80	22.74			23.3	1		
18625	16QAM	1	24	22.76	22.79	22.75						
18625	16QAM	12	0	21.50	21.56	21.53						
18625	16QAM	12	7	21.48	21.46	21.49			22.3	2		
18625	16QAM	12	13	21.47	21.51	21.49						
18625	16QAM	25	0	21.53	21.54	21.49						
18625	64QAM	1	0	21.65	21.63	21.66			22.3	2		
18625	64QAM	1	12	21.64	21.64	21.63						
18625	64QAM	1	24	21.64	21.65	21.60						
18625	64QAM	12	0	20.54	20.57	20.58						
18625	64QAM	12	7	20.54	20.47	20.48			21.3	3		
18625	64QAM	12	13	20.49	20.50	20.55						
18625	64QAM	25	0	20.51	20.57	20.46						
Channel												
Frequency (MHz)												
1850.7	QPSK	1	0	23.38	23.37	23.38			24.3	0		
1850.7	QPSK	1	8	23.44	23.38	23.40						
1850.7	QPSK	1	14	23.40	23.36	23.35						
1850.7	QPSK	8	0	22.37	22.40	22.43						
1850.7	QPSK	8	4	22.36	22.36	22.41			23.3	1		
1850.7	QPSK	8	7	22.35	22.37	22.39						
1850.7	QPSK	15	0	22.37	22.38	22.39						
1850.7	16QAM	1	0	22.70	22.82	22.65						
1850.7	16QAM	1	8	22.73	22.72	22.74			23.3	1		
1850.7	16QAM	1	14	22.71	22.72	22.70						
1850.7	16QAM	8	0	21.46	21.48	21.50						
1850.7</												

Band 5 ANT 1_DS14&9										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.51	23.58	23.38	24.8	0		
10	QPSK	1	25	23.67	23.81	23.46				
10	QPSK	1	49	23.54	23.83	23.63				
10	QPSK	25	0	22.53	22.56	22.42				
10	QPSK	25	12	22.46	22.54	22.40	23.8	1		
10	QPSK	25	25	22.45	22.48	22.38				
10	QPSK	50	0	22.50	22.53	22.43				
10	16QAM	1	0	22.51	22.59	22.63				
10	16QAM	1	25	22.51	22.61	22.96	23.8	1		
10	16QAM	1	49	22.47	22.96	22.86				
10	16QAM	25	0	21.55	21.50	21.30				
10	16QAM	25	12	21.60	21.46	21.39				
10	16QAM	25	25	21.47	21.59	21.44	22.8	2		
10	16QAM	50	0	21.51	21.46	21.46				
10	64QAM	1	0	21.72	21.53	21.56				
10	64QAM	1	25	21.73	21.73	21.25				
10	64QAM	1	49	21.58	21.67	21.29	21.8	3		
10	64QAM	25	0	20.49	20.54	20.42				
10	64QAM	25	12	20.55	20.58	20.38				
10	64QAM	25	25	20.50	20.63	20.34				
10	64QAM	50	0	20.52	20.43	20.33				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.54	23.77	23.45	24.8	0		
5	QPSK	1	12	23.75	23.67	23.76				
5	QPSK	1	24	23.54	23.63	23.60				
5	QPSK	12	0	22.77	22.65	22.56				
5	QPSK	12	7	22.70	22.62	22.54	23.8	1		
5	QPSK	12	13	22.63	22.69	22.52				
5	QPSK	25	0	22.60	22.67	22.59				
5	16QAM	1	0	23.24	23.15	23.02				
5	16QAM	1	12	22.64	22.68	23.04	23.8	1		
5	16QAM	1	24	22.43	22.90	23.16				
5	16QAM	12	0	21.69	21.65	21.51				
5	16QAM	12	7	21.56	21.63	21.51				
5	16QAM	12	13	21.57	21.66	21.42	22.8	2		
5	16QAM	25	0	21.65	21.68	21.50				
5	64QAM	1	0	21.72	21.97	21.44				
5	64QAM	1	12	22.06	21.53	21.57				
5	64QAM	1	24	21.54	21.40	21.91	21.8	3		
5	64QAM	12	0	20.73	20.57	20.46				
5	64QAM	12	7	20.65	20.70	20.47				
5	64QAM	12	13	20.52	20.67	20.52				
5	64QAM	25	0	20.60	20.68	20.56				
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.69	23.59	23.63	24.8	0		
3	QPSK	1	8	23.75	23.58	23.69				
3	QPSK	1	14	23.77	23.77	23.77				
3	QPSK	8	0	22.69	22.66	22.81				
3	QPSK	8	4	22.59	22.62	22.72	23.8	1		
3	QPSK	8	7	22.61	22.64	22.68				
3	QPSK	15	0	22.65	22.69	22.72				
3	16QAM	1	0	23.12	23.17	23.17				
3	16QAM	1	8	23.21	22.97	22.74	23.8	1		
3	16QAM	1	14	23.04	22.78	22.99				
3	16QAM	8	0	21.74	21.63	21.71				
3	16QAM	8	4	21.67	21.66	21.62				
3	16QAM	8	7	21.62	21.65	21.71	22.8	2		
3	16QAM	15	0	21.73	21.74	21.77				
3	64QAM	1	0	21.71	21.95	21.83				
3	64QAM	1	8	21.77	21.74	21.84				
3	64QAM	1	14	21.95	21.89	21.47	21.8	3		
3	64QAM	8	0	20.72	20.66	20.75				
3	64QAM	8	4	20.58	20.62	20.67				
3	64QAM	8	7	20.62	20.56	20.68				
3	64QAM	15	0	20.58	20.66	20.71				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.75	23.39	23.71	24.8	0		
1.4	QPSK	1	3	23.80	23.58	23.71				
1.4	QPSK	1	5	23.70	23.76	23.80				
1.4	QPSK	3	0	23.60	23.67	23.66				
1.4	QPSK	3	1	23.66	23.55	23.76	23.8	1		
1.4	QPSK	3	3	23.64	23.55	23.73				
1.4	QPSK	6	0	22.62	22.65	22.77				
1.4	16QAM	1	0	23.15	22.74	22.68				
1.4	16QAM	1	3	22.89	22.89	23.28	23.8	1		
1.4	16QAM	1	5	23.11	23.15	23.16				
1.4	16QAM	3	0	22.65	22.67	22.65				
1.4	16QAM	3	1	22.63	22.69	22.54				
1.4	16QAM	3	3	22.70	22.63	22.72	22.8	2		
1.4	16QAM	6	0	21.65	21.83	21.81				
1.4	64QAM	1	0	21.89	21.78	21.96				
1.4	64QAM	1	3	22.01	21.92	22.12				
1.4	64QAM	1	5	21.42	21.65	21.85	22.8	2		
1.4	64QAM	3	0	21.62	21.86	21.85				
1.4	64QAM	3	1	21.72	21.78	21.83				
1.4	64QAM	3	3	21.44	21.74	21.87				
1.4	64QAM	6	0	20.60	20.60	20.70	21.8	3		

Band 7 ANT 1_DS14&9												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)				
Channel				20850	21100	21350						
Frequency (MHz)				2510	2535	2560						
20	QPSK	1	0	23.14	23.31	23.17	23.6	0				
20	QPSK	1	49	23.33	23.47	23.38						
20	QPSK	1	99	23.31	23.36	23.33						
20	QPSK	50	0	22.27	22.48	22.45						
20	QPSK	50	24	22.36	22.44	22.42	22.6	1				
20	QPSK	50	50	22.41	22.46	22.44						
20	QPSK	100	0	22.32	22.41	22.37						
20	16QAM	1	0	22.00	22.07	22.05						
20	16QAM	1	49	22.20	22.30	22.26	22.6	1				
20	16QAM	1	99	22.16	22.23	22.30						
20	16QAM	50	0	21.21	21.44	21.39						
20	16QAM	50	24	21.36	21.38	21.42						
20	16QAM	50	50	21.42	21.40	21.42	21.6	2				
20	16QAM	100	0	21.26	21.34	21.39						
20	64QAM	1	0	21.22	21.48	21.28						
20	64QAM	1	49	21.50	21.54	21.52						
20	64QAM	1	99	21.45	21.46	21.60	20.6	3				
20	64QAM	50	0	20.26	20.42	20.38						
20	64QAM	50	24	20.35	20.39	20.40	20.6	3				
20	64QAM	50	50	20.43	20.41	20.43						
20	64QAM	100	0	20.30	20.34	20.33						
Channel <th>20850</th> <th>21100</th> <th>21350</th> <th colspan="4"></th>				20850	21100	21350						
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)				
15	QPSK	1	0	23.15	23.33	23.20	23.6	0				
15	QPSK	1	37	23.23	23.37	23.44						
15	QPSK	1	74	23.30	23.36	23.42						
15	QPSK	36	0	22.22	22.35	22.39						
15	QPSK	36	20	22.24	22.33	22.44	22.6	1				
15	QPSK	36	39	22.23	22.31	22.31						
15	QPSK	75	0	22.27	22.36	22.44						
15	16QAM	1	0	21.97	22.13	22.03						
15	16QAM	1	37	22.09	22.27	22.20	22.6	1				
15	16QAM	1	74	22.11	22.21	22.29						
15	16QAM	36	0	21.20	21.37	21.40						
15	16QAM	36	20	21.22	21.38	21.48						
15	16QAM	36	39	21.40	21.35	21.48	21.6	2				
15	16QAM	75	0	21.27	21.31	21.43						
15	64QAM	1	0	21.31	21.42	21.46						
15	64QAM	1	37	21.41	21.54	21.53						
15	64QAM	1	74	21.48	21.43	21.59	21.6	2				
15	64QAM	36	20	20.38	20.38	20.43						
15	64QAM	36	20	20.32	20.38	20.43	20.6	3				
15	64QAM	36	39	20.39	20.35	20.53						
15	64QAM	75	0	20.25	20.29	20.39						
Channel <th>20800</th> <th>21100</th> <th>21400</th> <th colspan="4"></th>				20800	21100	21400						
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	23.21	23.26	23.31	23.6	0				
10	QPSK	1	25	23.20	23.37	23.35						
10	QPSK	1	49	23.17	23.34	23.38						
10	QPSK	25	0	22.24	22.37	22.50						
10	QPSK	25	12	22.24	22.33	22.48	22.6	1				
10	QPSK	25	25	22.29	22.29	22.53						
10	QPSK	50	0	22.28	22.37	22.52						
10	16QAM	1	0	22.05	22.16	22.21						
10	16QAM	1	25	22.17	22.22	22.27	22.6	1				
10	16QAM	1	49	22.17	22.27	22.33						
10	16QAM	25	0	21.22	21.37	21.50						
10	16QAM	25	12	21.22	21.37	21.48						
10	16QAM	25	25	21.37	21.41	21.54	21.6	2				
10	16QAM	50	0	21.25	21.39	21.49						
10	64QAM	1	0	21.25	21.46	21.48						
10	64QAM	1	25	20.93	21.14	21.25						
10	64QAM	1	49	20.99	21.11	21.25	21.6	2				
10	64QAM	25	0	20.28	20.38	20.49						
10	64QAM	25	12	20.27	20.36	20.46						
10	64QAM	25	25	20.35	20.38	20.49						
10	64QAM	50	0	20.24	20.37	20.45	20.6	3				
Channel <th>20800</th> <th>21100</th> <th>21400</th> <th colspan="4"></th>				20800	21100	21400						
Frequency (MHz)				2502.5	2535	2567.5			Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.22	23.32	23.44			23.6	0		
5	QPSK	1	12	23.26	23.34	23.41						
5	QPSK	1	24	23.24	23.39	23.31						
5	QPSK	12	0	22.25	22.40	22.52						
5	QPSK	12	7	22.25	22.35	22.52	22.6	1				
5	QPSK	12	13	22.22	22.32	22.48						
5	QPSK	25	0	22.23	22.36	22.52						
5	16QAM	1	0	22.05	22.25	22.30						
5	16QAM	1	12	22.12	22.24	22.37	22.6	1				
5	16QAM	1	24	22.14	22.28	22.34						
5	16QAM	12	0	21.23	21.37	21.53						
5	16QAM	12	7	21.24	21.26	21.48						
5	16QAM	12	13	21.21	21.28	21.48	21.6	2				
5	16QAM	25	0	21.28	21.34	21.52						
5	64QAM	1	0	20.95	21.07	21.21						
5	64QAM	1	12	21.01	21.13	21.24						
5	64QAM	1	24	21.00	21.12	21.24	21.6	2				
5	64QAM	12	0	20.30	20.37	20.53						
5	64QAM	12	7	20.26	20.32	20.50						
5	64QAM	12	13	20.27	20.39	20.55						
5	64QAM	25	0	20.29	20.33	20.52	20.6	3				
Channel <th>20800</th> <th>21100</th> <th>21400</th> <th colspan="4"></th>				20800	21100	21400						



Band 13 ANT 1_DSI4&9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				23230			782		
Frequency (MHz)									
10	QPSK	1	0		23.40		24.3	0	
10	QPSK	1	25		23.41				
10	QPSK	1	49		23.36				
10	QPSK	25	0		22.35		23.3	1	
10	QPSK	25	12		22.33				
10	QPSK	25	25		22.32				
10	QPSK	50	0		22.36		23.3	1	
10	16QAM	1	0		22.68				
10	16QAM	1	25		22.73				
10	16QAM	1	49		22.75		22.3	2	
10	16QAM	25	0		21.20				
10	16QAM	25	12		21.36				
10	16QAM	25	25		21.46		21.3	3	
10	16QAM	50	0		21.36				
10	64QAM	1	0		21.48				
10	64QAM	1	25		21.55		22.3	2	
10	64QAM	1	49		21.54				
10	64QAM	25	0		20.21				
10	64QAM	25	12		20.36		21.3	3	
10	64QAM	25	25		20.43				
10	64QAM	50	0		20.32				
Channel				23205	23230	23255	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.35	23.37	23.36	24.3	0	
5	QPSK	1	12	23.31	23.37	23.38			
5	QPSK	1	24	23.32	23.36	23.39			
5	QPSK	12	0	22.31	22.32	22.43	23.3	1	
5	QPSK	12	7	22.38	22.37	22.35			
5	QPSK	12	13	22.39	22.33	22.49			
5	QPSK	25	0	22.35	22.35	22.40	23.3	1	
5	16QAM	1	0	22.75	22.71	22.62			
5	16QAM	1	12	22.75	22.72	22.77			
5	16QAM	1	24	22.73	22.76	22.83	22.3	2	
5	16QAM	12	0	21.29	21.32	21.38			
5	16QAM	12	7	21.38	21.35	21.36			
5	16QAM	12	13	21.39	21.32	21.43	22.3	2	
5	16QAM	25	0	21.37	21.36	21.38			
5	64QAM	1	0	21.60	21.58	21.55			
5	64QAM	1	12	21.65	21.57	21.62	22.3	2	
5	64QAM	1	24	21.51	21.53	21.55			
5	64QAM	12	0	20.31	20.33	20.44			
5	64QAM	12	7	20.40	20.38	20.37	21.3	3	
5	64QAM	12	13	20.42	20.34	20.47			
5	64QAM	25	0	20.35	20.36	20.35			

Band 17 ANT 1_DSI4&9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				23760	23790	23800			
Frequency (MHz)				710	710	711			
10	QPSK	1	0	23.70	23.74	23.69	24.8	0	
10	QPSK	1	25	23.80	23.69	23.75			
10	QPSK	1	49	23.79	23.83	23.75			
10	QPSK	25	0	22.77	22.89	22.74	23.8	1	
10	QPSK	25	12	22.74	22.84	22.77			
10	QPSK	25	25	22.78	22.82	22.75			
10	QPSK	50	0	22.79	22.85	22.77	23.8	1	
10	16QAM	1	0	22.97	23.13	22.91			
10	16QAM	1	25	23.03	23.25	23.04			
10	16QAM	1	49	23.03	23.27	23.08	22.8	2	
10	16QAM	25	0	21.77	21.88	21.77			
10	16QAM	25	12	21.75	21.87	21.73			
10	16QAM	25	25	21.76	21.83	21.74	22.8	2	
10	16QAM	50	0	21.76	21.82	21.73			
10	64QAM	1	0	21.75	21.89	21.79			
10	64QAM	1	25	21.88	22.09	21.82	22.8	2	
10	64QAM	1	49	21.89	22.00	21.82			
10	64QAM	25	0	20.72	20.83	20.74			
10	64QAM	25	12	20.72	20.82	20.70	21.8	3	
10	64QAM	25	25	20.70	20.81	20.73			
10	64QAM	50	0	20.75	20.82	20.74			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.69	23.76	23.68	24.8	0	
5	QPSK	1	12	23.77	23.77	23.75			
5	QPSK	1	24	23.80	23.75	23.77			
5	QPSK	12	0	22.75	22.76	22.73	23.8	1	
5	QPSK	12	7	22.75	22.72	22.69			
5	QPSK	12	13	22.77	22.69	22.69			
5	QPSK	25	0	22.74	22.73	22.73	23.8	1	
5	16QAM	1	0	23.10	23.10	23.06			
5	16QAM	1	12	23.11	23.12	23.03			
5	16QAM	1	24	23.16	23.09	23.11	22.8	2	
5	16QAM	12	0	21.74	21.74	21.72			
5	16QAM	12	7	21.73	21.73	21.70			
5	16QAM	12	13	21.76	21.68	21.68	22.8	2	
5	16QAM	25	0	21.74	21.75	21.77			
5	64QAM	1	0	21.87	21.93	21.91			
5	64QAM	1	12	21.94	21.95	21.92	22.8	2	
5	64QAM	1	24	21.97	21.88	21.98			
5	64QAM	12	0	20.77	20.77	20.72			
5	64QAM	12	7	20.78	20.70	20.73	21.8	3	
5	64QAM	12	13	20.74	20.68	20.69			
5	64QAM	25	0	20.74	20.72	20.70			

Band 25 ANT 1_DSI4&9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				26340			1850		
Frequency (MHz)									
20	QPSK	1	0	23.41	23.46	23.24	24.3	0	
20	QPSK	1	49	23.47	23.54	23.35			
20	QPSK	1	99	23.27	23.29	23.25			
20	QPSK	50	0	22.52	22.58	22.41	23.3	1	
20	QPSK	50	24	22.47	22.53	22.40			
20	QPSK	50	50	22.43	22.49	22.38			
20	QPSK	100	0	22.44	22.49	22.43	23.3	1	
20	16QAM	1	0	22.72	22.67	22.50			
20	16QAM	1	49	22.72	22.78	22.65			
20	16QAM	1	99	22.58	22.57	22.48	22.3	2	
20	16QAM	50	0	21.48	21.50	21.43			
20	16QAM	50	24	21.48	21.50	21.39			
20	16QAM	50	50	21.45	21.48	21.40	21.3	3	
20	16QAM	100	0	21.43	21.47	21.44			
20	64QAM	1	0	21.61	21.55	21.39			
20	64QAM	1	49	21.66	21.67	21.52	22.3	2	
20	64QAM	1	99	21.41	21.36	21.26			
20	64QAM	50	0	20.46	20.50	20.42			
20	64QAM	50	24	20.46	20.50	20.38	20.45	20.37	20.38
20	64QAM	50	50	20.41	20.37	20.36			
20	64QAM	100	0	20.42	20.45	20.39			
Channel				26115	26340	26615	1857.5		
Frequency (MHz)									
15	QPSK	1	0	23.49	23.44	23.24	24.3	0	
15	QPSK	1	37	23.43	23.42	23.33			
15	QPSK	1	74	23.39	23.36	23.33			
15	QPSK	36	0	22.46	22.52	22.33	23.3	1	
15	QPSK</								



Band 25 ANT 4_DSI4&9																				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / 26140	Power Middle Ch. / 26340	Power High Ch. / 26590	Tune-up limit (dBm)	MPR (dB)												
Channel																				
Frequency (MHz)																				
20	QPSK	1	0	22.31	22.30	22.14	23.3	0												
20	QPSK	1	49	22.35	22.37	22.25														
20	QPSK	1	99	22.15	22.23	22.11														
20	QPSK	50	0	21.35	21.36	21.27														
20	QPSK	50	24	21.32	21.31	21.25	22.3	1												
20	QPSK	50	50	21.32	21.33	21.21														
20	QPSK	100	0	21.34	21.35	21.23														
20	16QAM	1	0	21.56	21.62	21.43														
20	16QAM	1	49	21.64	21.65	21.48	22.3	1												
20	16QAM	1	99	21.48	21.48	21.30														
20	16QAM	50	0	20.40	20.36	20.24														
20	16QAM	50	24	20.41	20.38	20.22														
20	16QAM	50	50	20.35	20.27	20.20	21.3	2												
20	16QAM	100	0	20.30	20.33	20.19														
20	64QAM	1	0	20.41	20.50	20.30														
20	64QAM	1	49	20.44	20.48	20.45														
20	64QAM	1	99	20.31	20.34	20.15	20.3	3												
20	64QAM	50	0	19.37	19.34	19.22														
20	64QAM	50	24	19.36	19.33	19.17														
20	64QAM	50	50	19.28	19.30	19.14														
20	64QAM	100	0	19.30	19.32	19.21														
Channel																				
Frequency (MHz)																				
15	QPSK	1	0	22.36	22.28	22.18	23.3	0												
15	QPSK	1	37	22.33	22.36	22.21														
15	QPSK	1	74	22.24	22.25	22.16														
15	QPSK	36	0	21.37	21.28	21.14														
15	QPSK	36	20	21.31	21.32	21.17	22.3	1												
15	QPSK	36	39	21.28	21.27	21.16														
15	QPSK	75	0	21.32	21.33	21.19														
15	16QAM	1	0	21.61	21.56	21.41														
15	16QAM	1	37	21.69	21.67	21.41	22.3	1												
15	16QAM	1	74	21.52	21.51	21.34														
15	16QAM	36	0	20.36	20.30	20.17														
15	16QAM	36	20	20.32	20.31	20.22														
15	16QAM	36	39	20.31	20.28	20.13	21.3	2												
15	16QAM	75	0	20.33	20.33	20.20														
15	64QAM	1	0	20.45	20.33	20.23														
15	64QAM	1	37	20.52	20.46	20.34														
15	64QAM	1	74	20.42	20.34	20.28	20.3	3												
15	64QAM	36	0	19.41	19.33	19.17														
15	64QAM	36	20	19.38	19.30	19.17														
15	64QAM	36	39	19.30	19.38	19.15														
15	64QAM	75	0	19.30	19.29	19.16														
Channel																				
Frequency (MHz)																				
10	QPSK	1	0	22.31	22.34	22.17	23.3	0												
10	QPSK	1	25	22.36	22.33	22.22														
10	QPSK	1	49	22.29	22.36	22.18														
10	QPSK	25	0	21.33	21.36	21.19														
10	QPSK	25	12	21.32	21.42	21.23	22.3	1												
10	QPSK	25	25	21.40	21.37	21.25														
10	QPSK	50	0	22.36	22.29	22.21														
10	16QAM	1	0	21.63	21.64	21.47														
10	16QAM	1	25	21.62	21.69	21.41	22.3	1												
10	16QAM	1	49	21.65	21.68	21.45														
10	16QAM	25	0	20.36	20.38	20.22														
10	16QAM	25	12	20.36	20.40	20.21														
10	16QAM	25	25	20.38	20.39	20.20	21.3	2												
10	16QAM	50	0	21.38	21.36	21.21														
10	64QAM	1	0	20.55	20.61	20.37														
10	64QAM	1	25	20.50	20.50	20.34														
10	64QAM	1	49	20.54	20.54	20.39	20.3	3												
10	64QAM	25	0	19.35	19.40	19.19														
10	64QAM	25	12	19.40	19.41	19.21														
10	64QAM	25	25	19.38	19.41	19.21														
10	64QAM	50	0	20.41	20.43	20.18														
Channel																				
Frequency (MHz)																				
5	QPSK	1	0	22.34	22.31	22.35	23.3	0												
5	QPSK	1	12	22.33	22.31	22.33														
5	QPSK	1	24	22.32	22.31	22.34														
5	QPSK	12	0	21.42	21.41	21.41														
5	QPSK	12	7	21.36	21.38	21.36	22.3	1												
5	QPSK	12	13	21.33	21.35	21.27														
5	QPSK	25	0	21.36	21.41	21.37														
5	16QAM	1	0	21.60	21.67	21.56														
5	16QAM	1	12	21.63	21.63	21.55	22.3	1												
5	16QAM	1	24	21.60	21.66	21.52														
5	16QAM	12	0	20.41	20.42	20.39														
5	16QAM	12	7	20.35	20.36	20.34														
5	16QAM	25	0	20.35	20.39	20.38	21.3	2												
5	64QAM	1	0	20.53	20.55	20.44														
5	64QAM	1	12	20.59	20.55	20.49														
5	64QAM	1	24	20.47	20.51	20.45														
5	64QAM	12	0	19.42	19.39	19.38	20.3	3												
5	64QAM	12	7	19.38	19.36	19.40														
5	64QAM	12	13	19.33	19.35	19.28														
5	64QAM	25	0	19.36	19.36	19.36														
Channel																				
Frequency (MHz)																				
3	QPSK	1	0	22.35	22.36	22.31	23.3	0												
3	QPSK	1	8	22.33	22.33	22.30														
3	QPSK	1	14	22.31	22.30	22.33														
3	QPSK	8	0	21.34	21.38	21.33														
3	QPSK	8	4	21.31	21.38	21.32	22.3	1												
3	QPSK	8	7	21.32	21.37	21.28														
3	QPSK	15	0	21.35	21.38	21.33														
3	16QAM	1	0	21.59	21.65	21.53														
3	16QAM	1	8	21.56	21.64	21.48	22.3	1												
3	16QAM	1	14	21.52	21.66	21.46														
3	16QAM	8	0	20.43	20.43	20.41														
3	16QAM	8	4	20.40	20.43	20.41														
3	16QAM	8	7	20.41	20.42	20.40	21.3	2												
3	16QAM	15	0	20.36	20.42	20.34														
3																				



Band 66 ANT 4_DSI4&9									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch /	Power Middle Ch /	Power High Ch /	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	21.32	21.38	21.26	22.3	0	
20	QPSK	1	49	21.35	21.45	21.30			
20	QPSK	1	99	21.36	21.39	21.32			
20	QPSK	50	0	20.36	20.43	20.30			
20	QPSK	50	24	20.34	20.40	20.29	21.3	1	
20	QPSK	50	50	20.34	20.42	20.39			
20	QPSK	100	0	20.30	20.38	20.31			
20	16QAM	1	0	20.33	20.36	20.26			
20	16QAM	1	49	20.41	20.42	20.40	21.3	1	
20	16QAM	1	99	20.33	20.40	20.32			
20	16QAM	50	0	19.36	19.54	19.38			
20	16QAM	50	24	19.43	19.57	19.41			
20	16QAM	50	50	19.49	19.62	19.43	20.3	2	
20	16QAM	100	0	19.46	19.57	19.42			
20	64QAM	1	0	19.31	19.43	19.29			
20	64QAM	1	49	19.52	19.62	19.46			
20	64QAM	1	99	19.43	19.39	19.46	20.3	2	
20	64QAM	50	0	18.33	18.45	18.50			
20	64QAM	50	24	18.46	18.52	18.54			
20	64QAM	50	50	18.48	18.59	18.38			
20	64QAM	100	0	18.45	18.57	18.42	19.3	3	
Channel				13047	13232	13297	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	21.15	21.18	21.14	22.3	0	
15	QPSK	1	37	21.15	21.34	21.14			
15	QPSK	1	74	21.25	21.30	21.27			
15	QPSK	36	0	20.23	20.37	20.17			
15	QPSK	36	20	20.20	20.16	20.06	21.3	1	
15	QPSK	36	39	20.27	20.30	20.15			
15	QPSK	75	0	20.11	20.32	20.23			
15	16QAM	1	0	20.18	20.26	20.08			
15	16QAM	1	37	20.34	20.33	20.27	21.3	1	
15	16QAM	1	74	20.12	20.15	20.14			
15	16QAM	36	0	19.18	19.38	19.20			
15	16QAM	36	20	19.36	19.39	19.25			
15	16QAM	36	39	19.30	19.56	19.33	20.3	2	
15	16QAM	75	0	19.26	19.49	19.26			
15	64QAM	1	0	19.10	19.18	19.06			
15	64QAM	1	37	19.31	19.47	19.39			
15	64QAM	1	74	19.26	19.20	19.39	20.3	2	
15	64QAM	36	0	18.15	18.35	18.30			
15	64QAM	36	20	18.32	18.27	18.30			
15	64QAM	36	39	18.23	18.36	18.27			
15	64QAM	75	0	18.21	18.51	18.31	19.3	3	
Channel				13092	13222	13267	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1712.5	1745	1777.5			
10	QPSK	1	0	21.20	21.18	21.20	22.3	0	
10	QPSK	1	25	21.16	21.38	21.25			
10	QPSK	1	49	21.30	21.27	21.19			
10	QPSK	25	0	20.12	20.21	20.16			
10	QPSK	25	12	20.23	20.15	20.22	21.3	1	
10	QPSK	25	25	20.10	20.36	20.31			
10	QPSK	50	0	20.12	20.30	20.12			
10	16QAM	1	0	20.27	20.12	20.14			
10	16QAM	1	25	20.16	20.25	20.16	21.3	1	
10	16QAM	1	49	20.23	20.18	20.16			
10	16QAM	25	0	19.28	19.49	19.20			
10	16QAM	25	12	19.34	19.50	19.17			
10	16QAM	25	25	19.40	19.49	19.36	20.3	2	
10	16QAM	50	0	19.38	19.52	19.31			
10	64QAM	1	0	19.18	19.19	19.07			
10	64QAM	1	25	19.38	19.39	19.26			
10	64QAM	1	49	19.22	19.32	19.41	20.3	2	
10	64QAM	25	0	19.12	18.35	18.37			
10	64QAM	25	12	18.26	18.40	18.42			
10	64QAM	25	25	18.34	18.45	18.27			
10	64QAM	50	0	18.25	18.35	18.18	19.3	3	
Channel				13197	13327	13367	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	21.10	21.32	21.06	22.3	0	
5	QPSK	1	12	21.29	21.28	21.19			
5	QPSK	1	24	21.12	21.22	21.08			
5	QPSK	12	0	20.27	20.18	20.07			
5	QPSK	12	7	20.26	20.24	20.07	21.3	1	
5	QPSK	12	13	20.28	20.26	20.24			
5	QPSK	25	0	20.06	20.29	20.26			
5	16QAM	1	0	20.26	20.26	20.03			
5	16QAM	1	12	20.22	20.25	20.28	21.3	1	
5	16QAM	1	24	20.25	20.20	20.26			
5	16QAM	12	0	19.31	19.39	19.23			
5	16QAM	12	7	19.26	19.48	19.24			
5	16QAM	12	13	19.31	19.50	19.35	20.3	2	
5	16QAM	25	0	19.29	19.48	19.30			
5	64QAM	1	0	19.25	19.27	19.11			
5	64QAM	1	12	19.45	19.47	19.38			
5	64QAM	1	24	19.31	19.21	19.25	20.3	2	
5	64QAM	12	0	18.22	18.24	18.41			
5	64QAM	12	7	18.23	18.28	18.43			
5	64QAM	12	13	18.34	18.47	18.25			
5	64QAM	25	0	19.39	18.41	19.37	19.3	3	
Channel				13197	13327	13367	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1711.5	1745	1772.5			
3	QPSK	1	0	21.16	21.24	21.02	22.3	0	
3	QPSK	1	8	21.12	21.21	21.18			
3	QPSK	1	14	21.15	21.15	21.21			
3	QPSK	8	0	20.12	20.22	20.24			
3	QPSK	8	4	20.10	20.31	20.09	21.3	1	
3	QPSK	8	7	20.21	20.26	20.32			
3	QPSK	15	0	20.19	20.25	20.19			
3	16QAM	1	0	20.10	20.15	20.20			
3	16QAM	1	8	20.16	20.23	20.28	21.3	1	
3	16QAM	1	14	20.27	20.31	20.17			
3	16QAM	8	0	19.17	19.46	19.16			
3	16QAM	8	4	19.18	19.33	19.21			
3	16QAM	8	7	19.36	19.67	19.32	20.3	2	
3	16QAM	15	0	19.40	19.37	19.17			
3	64QAM	1	0	19.13	19.21	19.04			
3	64QAM	1	8	19.30	19.43	19.36			
3	64QAM	1	14	19.27	19.21	19.32	19.3	3	
3	64QAM	8	0	18.19	18.38	18.43			
3	64QAM	8	4	18.31	18.39	18.46			
3	64QAM	8	7	18.40	18.40	18.19			
3	64QAM	15	0	18.22	18.46	18.36	19.3	3	
Channel				13197	13222	13266	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1710.5	1743	1770.5			
1.4	QPSK	1	0	21.08	21.26	21.12	22.3	0	
1.4	QPSK	1	3	21.26	21.38	21.06			
1.4	QPSK	1	5	21.17	21.17	21.25			
1.4	QPSK	3	0	20.21	20.23	20.16			
1.4	QPSK	3	1	20.23	20.24	20.20	21.3	1	
1.4	QPSK	3	3	20.28	20.36	20.19			
1.4	QPSK	6	0	20.17	20.25	20.07			
1.4	16QAM	1	0	20.16	20.27	20.16			
1.4	16QAM	1	3	20.16	20.30	20.28	21.3	1	
1.4	16QAM	1	5	20.10	20.32	20.07			
1.4	16QAM	3	0	19.28	19.33	19.15			
1.4	16QAM	3	1	19.20	19.32	19.21			
1.4	16QAM	3	3	19.28	19.37	19.20	20.3	2	
1.4	16QAM	6	0	19.37	19.45	19.31			
1.4	64QAM	1	0	19.13	19.32	19.11			
1.4	64QAM	1	3	19.45	19.37	19.32			
1.4	64QAM	1	5	19.18	19.24	19.27	20.3	2	
1.4	64QAM	3	0	18.10	18.28	18.25			
1.4	64QAM	3	1	18.30	18.34	18.34			
1.4	64QAM	3	3	18.27	18.44	18.27			
1.4	64QAM	6	0	18.23	18.38	18.31	19.3	3	

Band 38 ANT 1_DSI4&9											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)			
Channel											
				37850	38000	38150					
Frequency (MHz)				23.40	23.44	23.32					
20	QPSK	1	0	23.36	23.41	23.32	23.8	0			
20	QPSK	1	49	23.48	23.50	23.44					
20	QPSK	1	99	23.37	23.41	23.31					
20	QPSK	50	0	22.48	22.50	22.41	22.8	1			
20	QPSK	50	24	22.42	22.45	22.35					
20	QPSK	50	50	22.46	22.48	22.40					
20	QPSK	100	0	22.41	22.43	22.37	22.8	1			
20	16QAM	1	0	22.43	22.58	22.40					
20	16QAM	1	49	22.63	22.62	22.62					
20	16QAM	1	99	22.63	22.64	22.61	21.8	2			
20	16QAM	50	0	21.48	21.47	21.52					
20	16QAM	50	24	21.56	21.57	21.49					
20	16QAM	50	50	21.55	21.54	21.44	21.8	2			
20	16QAM	100	0	21.52	21.46	21.52					
20	64QAM	1	0	21.09	21.07	21.07					
20	64QAM	1	49	21.26	21.27	21.26	20.8	3			
20	64QAM	1	99	21.26	21.15	21.13					
20	64QAM	50	0	20.36	20.49	20.38					
20	64QAM	50	24	20.51	20.52	20.45	20.8	3			
20	64QAM	50	50	20.57	20.48	20.43					
20	64QAM	100	0	20.48	20.50	20.45					
Channel											
Frequency (MHz)				2577.5 <th>2595<th>2612.5<td>1100-100 limit (dBm)</td><td>MFR (dB)</td><td></td></th></th>	2595 <th>2612.5<td>1100-100 limit (dBm)</td><td>MFR (dB)</td><td></td></th>	2612.5 <td>1100-100 limit (dBm)</td> <td>MFR (dB)</td> <td></td>			1100-100 limit (dBm)	MFR (dB)	
15	QPSK	1	0	23.38	23.44	23.44	23.8	0			
15	QPSK	1	37	23.47	23.46	23.48					
15	QPSK	1	74	23.41	23.44	23.38					
15	QPSK	36	0	22.44	22.50	22.50	22.8	1			
15	QPSK	36	20	22.50	22.42	22.47					
15	QPSK	36	39	22.39	22.45	22.47					
15	QPSK	75	0	22.48	22.49	22.42	22.8	1			
15	16QAM	1	0	22.47	22.43	22.42					
15	16QAM	1	37	22.47	22.44	22.42					
15	16QAM	1	74	22.52	22.59	22.46	21.8	2			
15	16QAM	36	0	21.58	21.53	21.58					
15	16QAM	36	20	21.57	21.67	21.52					
15	16QAM	36	39	21.39	21.42	21.42	21.8	2			
15	16QAM	75	0	21.40	21.43	21.43					
15	64QAM	1	0	21.43	21.47	21.37					
15	64QAM	1	37	21.51	21.45	21.44	21.8	2			
15	64QAM	1	74	21.13	21.21	21.12					
15	64QAM	36	0	20.21	20.22	20.22					
15	64QAM	36	20	20.27	20.22	20.19	20.8	3			
15	64QAM	36	39	20.41	20.40	20.41					
15	64QAM	75	0	20.47	20.48	20.44					
Channel											
Frequency (MHz)				37850 <th>38000<th>38050<td>1100-100 limit (dBm)</td><td>MFR (dB)</td><td></td></th></th>	38000 <th>38050<td>1100-100 limit (dBm)</td><td>MFR (dB)</td><td></td></th>	38050 <td>1100-100 limit (dBm)</td> <td>MFR (dB)</td> <td></td>			1100-100 limit (dBm)	MFR (dB)	
10	QPSK	1	0	23.46	23.46	23.44	23.8	0			
10	QPSK	1	25	23.43	23.46	23.43					
10	QPSK	1	49	23.41	23.44	23.47					
10	QPSK	25	0	22.43	22.48	22.43	22.8	1			
10	QPSK	25	12	22.48	22.44	22.43					
10	QPSK	25	25	22.48	22.45	22.49					
10	QPSK	50	0	22.53	22.46	22.44	22.8	1			
10	16QAM	1	0	22.49	22.62	21.62					
10	16QAM	1	25	22.51	22.59	22.62					
10	16QAM	1	49	22.55	22.59	22.54	22.8	1			
10	16QAM	25	0	21.51	21.48	21.48					
10	16QAM	25	12	21.52	21.50	21.49					
10	16QAM	25	25	21.57	21.49	21.48	21.8	2			
10	16QAM	50	0	21.48	21.54	21.45					
10	64QAM	1	0	21.19	21.50	21.18					
10	64QAM	1	25	21.20	21.24	21.24	21.8	2			
10	64QAM	1	49	21.23	21.22	21.21					
10	64QAM	25	0	20.52	20.52	20.51					
10	64QAM	25	12	20.48	20.47	20.50	20.8	3			
10	64QAM	25	25	20.55	20.54	20.49					
10	64QAM	50	0	20.43	20.53	20.46					
Channel											
Frequency (MHz)				2572.5 <th>2595<th>2617.5<td>1100-100 limit (dBm)</td><td>MFR (dB)</td><td></td></th></th>	2595 <th>2617.5<td>1100-100 limit (dBm)</td><td>MFR (dB)</td><td></td></th>	2617.5 <td>1100-100 limit (dBm)</td> <td>MFR (dB)</td> <td></td>			1100-100 limit (dBm)	MFR (dB)	
5	QPSK	1	0	23.47	23.46	23.43	23.8	0			
5	QPSK	1	12	23.46	23.49	23.42					
5	QPSK	1	24	23.44	23.47	23.47					
5	QPSK	12	0	22.51	22.50	22.47	22.8	1			
5	QPSK	12	7	22.43	22.45	22.50					
5	QPSK	12	13	22.43	22.48	22.47					
5	QPSK	25	0	22.43	22.56	22.47	22.8	1			
5	16QAM	1	0	22.50	22.59	22.61					
5	16QAM	1	12	22.53	22.58	22.57					
5	16QAM	1	24	22.51	22.53	22.55	21.8	2			
5	16QAM	12	0	21.46	21.48	21.44					
5	16QAM	12	7	21.41	21.39	21.40					
5	16QAM	12	13	21.38	21.40	21.43	21.8	2			
5	16QAM	25	0	21.43	21.51	21.53					
5	64QAM	1	0	21.29	21.26	21.27					
5	64QAM	1	12	21.27	21.27	21.27	21.8	2			
5	64QAM	1	24	21.24	21.19	21.22					
5	64QAM	12	0	20.45	20.50	20.42					
5	64QAM	12	7	20.41	20.42	20.42	20.8	3			
5	64QAM	12	13	20.48	20.41	20.37					
5	64QAM	25	0	20.51	20.54	20.52					

Band 41 ANT 1 DSI4&9												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)		
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.29	22.39	22.41	22.40	22.39	23.8	0		
20	QPSK	1	49	22.44	22.49	22.58	22.51	22.47				
20	QPSK	1	99	22.46	22.50	22.52	22.50	22.45				
20	QPSK	50	0	21.64	21.66	21.72	21.69	21.54	22.8	1		
20	QPSK	50	24	21.60	21.63	21.70	21.63	21.57				
20	QPSK	50	50	21.48	21.50	21.60	21.57	21.52				
20	QPSK	100	0	21.49	21.52	21.64	21.56	21.54	22.8	1		
20	16QAM	1	0	21.48	21.51	21.64	21.56	21.52				
20	16QAM	1	49	21.64	21.70	21.81	21.81	21.69				
20	16QAM	1	99	21.59	21.57	21.59	21.58	21.54	21.8	2		
20	16QAM	50	0	20.99	20.50	20.50	20.64	20.57				
20	16QAM	50	24	20.97	20.57	20.62	20.62	20.59				
20	16QAM	50	50	20.61	20.55	20.68	20.64	20.57	21.8	2		
20	16QAM	100	0	20.55	20.57	20.64	20.62	20.57				
20	64QAM	1	0	20.55	20.57	20.64	20.62	20.57				
20	64QAM	1	49	20.32	20.32	20.51	20.41	20.31	21.8	2		
20	64QAM	1	99	20.27	20.27	20.31	20.23	20.21				
20	64QAM	50	0	19.47	19.45	19.58	19.56	19.56				
20	64QAM	50	24	19.45	19.45	19.58	19.57	19.54	20.8	3		
20	64QAM	50	50	19.58	19.60	19.63	19.61	19.58				
20	64QAM	100	0	19.46	19.48	19.68	19.54	19.49				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.63	22.63	22.63	22.63	22.63	Turn-up limit (dBm)	MFR (dB)		
5	QPSK	1	0	25.03	25.48	25.93	26.07	26.48				
15	QPSK	1	0	22.31	22.45	22.33	22.36	22.34	24	0		
15	QPSK	1	37	22.50	22.54	22.56	22.52	22.52				
15	QPSK	1	74	22.41	22.43	22.52	22.44	22.37				
15	QPSK	36	0	21.45	21.57	21.52	21.47	21.53	22.8	1		
15	QPSK	36	20	21.58	21.67	21.63	21.61	21.57				
15	QPSK	36	36	21.59	21.67	21.67	21.67	21.66				
15	QPSK	75	0	21.55	21.70	21.59	21.60	21.52	21.8	2		
15	16QAM	1	0	21.59	21.64	21.62	21.51	21.63				
15	16QAM	1	37	21.65	21.62	21.77	21.64	21.63				
15	16QAM	1	74	21.66	21.66	21.61	21.61	21.57	22.8	1		
15	16QAM	36	0	20.48	20.56	20.47	20.45	20.42				
15	16QAM	36	20	20.48	20.59	20.58	20.52	20.51				
15	16QAM	75	0	20.56	20.58	20.58	20.47	20.58	21.8	2		
15	16QAM	75	0	20.61	20.61	20.66	20.61	20.57				
15	64QAM	1	0	20.23	20.32	20.29	20.23	20.29				
15	64QAM	1	37	20.27	20.46	20.33	20.23	20.36	21.8	2		
15	64QAM	1	74	20.35	20.44	20.33	20.23	20.24				
15	64QAM	36	20	19.47	19.59	19.56	19.47	19.41				
15	64QAM	36	20	19.43	19.69	19.52	19.51	19.54	20.8	3		
15	64QAM	75	0	19.57	19.61	19.61	19.57	19.51				
15	64QAM	75	0	19.53	19.55	19.60	19.58	19.50				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.63	22.63	22.63	22.63	22.63	Turn-up limit (dBm)	MFR (dB)		
5	QPSK	1	0	22.21	22.47	22.42	22.23	22.19				
10	QPSK	1	25	22.46	22.48	22.50	22.53	22.44	24	0		
10	QPSK	1	49	22.34	22.39	22.39	22.42	22.35				
10	QPSK	25	0	21.46	21.48	21.46	21.45	21.46				
10	QPSK	25	0	21.54	21.61	21.49	21.45	21.48	22.8	1		
10	QPSK	25	25	21.47	21.60	21.58	21.55	21.41				
10	QPSK	50	0	21.44	21.68	21.48	21.51	21.50				
10	16QAM	1	0	21.58	21.61	21.61	21.54	21.50	22.8	1		
10	16QAM	1	25	21.53	21.73	21.66	21.51	21.60				
10	16QAM	1	49	21.51	21.54	21.48	21.51	21.50				
10	16QAM	25	0	20.40	20.42	20.40	20.39	20.40	21.8	2		
10	16QAM	25	12	20.42	20.44	20.44	20.38	20.45				
10	16QAM	25	25	20.43	20.50	20.44	20.48	20.43				
10	16QAM	50	0	20.52	20.47	20.65	20.59	20.51	21.8	2		
10	64QAM	1	0	20.20	20.21	20.21	20.20	20.20				
10	64QAM	1	25	20.29	20.36	20.23	20.20	20.26				
10	64QAM	1	49	20.17	20.23	20.20	20.24	20.09	20.8	3		
10	64QAM	25	0	19.41	19.50	19.50	19.39	19.34				
10	64QAM	25	12	19.47	19.67	19.42	19.39	19.43				
10	64QAM	25	25	19.55	19.49	19.46	19.37	19.39				
10	64QAM	50	0	19.40	19.54	19.48	19.36	19.38				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.50	22.55	22.54	22.48	22.49	Turn-up limit (dBm)	MFR (dB)		
5	QPSK	1	12	22.44	22.55	22.47	22.40	22.45	24	0		
5	QPSK	1	24	22.30	22.53	22.32	22.35	22.35				
5	QPSK	12	0	21.61	21.68	21.62	21.56	21.67				
5	QPSK	12	7	21.61	21.60	21.63	21.54	21.58	22.8	1		
5	QPSK	12	7	21.56	21.71	21.54	21.55	21.56				
5	QPSK	25	0	21.56	21.63	21.65	21.57	21.57				
5	16QAM	1	0	21.59	21.69	21.69	21.64	21.70	22.8	1		
5	16QAM	1	12	21.70	21.77	21.64	21.67	21.73				
5	16QAM	1	24	21.64	21.62	21.62	21.52	21.72				
5	16QAM	12	0	20.48	20.62	20.58	20.41	20.52	21.8	2		
5	16QAM	12	7	20.53	20.60	20.57	20.45	20.56				
5	16QAM	1	12	20.50	20.50	20.50	20.48	20.50				
5	64QAM	1	0	20.50	20.72	20.66	20.61	20.56	21.8	2		
5	64QAM	1	12	20.35	20.47	20.44	20.29	20.37				
5	64QAM	1	24	20.34	20.44	20.34	20.29	20.36				
5	64QAM	12	0	19.57	19.67	19.61	19.52	19.57	20.8	3		
5	64QAM	12	7	19.58	19.66	19.55	19.54	19.57				
5	64QAM	1	12	19.51	19.60	19.57	19.46	19.52				
5	64QAM	25	0	19.63	19.71	19.59	19.61	19.57				

Band 41 ANT 4_DS14&9														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Mode Ch. / Freq	Power Mode Ch. / Freq	Power High Mode Ch. / Freq	Power High Ch. / Freq	Tune-up Int. (dBm)	MPR (dB)				
Channel														
Frequency (MHz)				39750	40165	40620	41055	41490						
20	QPSK	1	0	19.67	19.77	19.78	19.48	19.23	20.3	0				
20	QPSK	1	49	19.75	19.78	19.79	19.60	19.36						
20	QPSK	1	99	19.86	19.68	19.71	19.68	19.29						
20	QPSK	100	0	19.91	19.83	19.80	19.80	19.65						
20	QPSK	50	24	19.50	19.87	19.86	19.73	19.57	19.3	1				
20	QPSK	50	50	19.90	19.86	19.84	19.70	19.56						
20	QPSK	100	0	19.80	19.89	19.92	19.82	19.55						
20	QPSK	100	49	19.82	19.85	19.80	19.70	19.43						
20	16QAM	1	49	19.68	19.07	19.94	18.72	18.56	19.3	1				
20	16QAM	1	99	19.86	19.88	19.88	19.75	19.54						
20	16QAM	50	0	17.76	17.95	17.75	17.70	17.43						
20	16QAM	50	50	17.87	18.02	17.79	17.73	17.57						
20	16QAM	50	50	17.90	18.00	17.86	17.69	17.45	18.3	2				
20	16QAM	100	0	17.84	17.83	17.85	17.60	17.45						
20	16QAM	100	49	17.47	17.65	17.45	17.24	17.14						
20	16QAM	1	49	17.64	17.77	17.63	17.46	17.31						
20	64QAM	1	99	17.53	17.56	17.47	17.35	17.15	18.3	2				
20	64QAM	50	0	16.76	16.89	16.78	16.73	16.44						
20	64QAM	50	50	16.85	16.96	16.81	16.70	16.48						
20	64QAM	50	50	16.89	16.95	16.82	16.71	16.47						
20	64QAM	100	0	16.82	16.86	16.83	16.73	16.53	17.3	3				
Channel														
Frequency (MHz)				2563.5	2548.3	2593	2637.8	2682.5						
15	QPSK	1	0	19.48	19.64	19.47	19.39	19.12	20.30	0				
15	QPSK	1	37	19.81	19.80	19.83	19.44	19.26						
15	QPSK	1	75	19.54	19.57	19.53	19.30	19.13						
15	QPSK	36	0	19.59	19.74	19.68	19.51	19.27						
15	QPSK	36	20	19.84	19.80	19.70	19.55	19.40	19.3	1				
15	QPSK	36	36	19.74	19.80	19.67	19.53	19.28						
15	QPSK	75	0	19.76	19.86	19.74	19.63	19.32						
15	16QAM	1	0	18.63	19.79	19.65	19.51	19.29						
15	16QAM	1	37	19.84	19.84	19.85	19.70	19.44	19.3	1				
15	16QAM	1	75	19.79	19.87	19.72	19.56	19.38						
15	16QAM	36	0	17.52	17.72	17.64	17.50	17.23						
15	16QAM	36	20	17.65	17.76	17.60	17.52	17.20						
15	16QAM	36	36	17.62	17.73	17.66	17.53	17.24	18.3	2				
15	16QAM	75	0	17.66	17.76	17.65	17.62	17.37						
15	64QAM	1	0	17.33	17.49	17.41	17.21	17.00						
15	64QAM	1	37	17.45	17.58	17.45	17.24	17.02						
15	64QAM	1	75	17.41	17.49	17.41	17.24	17.02	18.3	2				
15	64QAM	36	0	16.56	16.80	16.65	16.51	16.23						
15	64QAM	36	20	16.64	16.76	16.65	16.52	16.32						
15	64QAM	36	36	16.62	16.72	16.65	16.48	16.26						
15	64QAM	75	0	16.62	16.74	16.62	16.57	16.35	17.3	3				
Channel														
Frequency (MHz)				39700	40160	40620	41080	41540						
10	QPSK	1	0	19.58	19.73	19.57	19.44	19.37	20.30	0				
10	QPSK	1	25	19.59	19.69	19.65	19.41	19.23						
10	QPSK	1	49	19.54	19.73	19.60	19.48	19.19						
10	QPSK	25	0	19.86	19.87	19.75	19.64	19.45						
10	QPSK	25	24	19.74	19.89	19.73	19.61	19.40	19.3	1				
10	QPSK	25	25	19.78	19.84	19.72	19.62	19.39						
10	QPSK	50	0	19.76	19.83	19.72	19.66	19.46						
10	QPSK	50	49	19.71	19.91	19.74	19.63	19.44						
10	16QAM	1	25	19.81	19.91	19.83	19.63	19.44	19.3	1				
10	16QAM	1	49	19.80	19.92	19.83	19.61	19.46						
10	16QAM	25	0	17.60	17.80	17.70	17.62	17.40						
10	16QAM	25	12	17.70	17.87	17.74	17.56	17.35						
10	16QAM	25	25	17.74	17.89	17.77	17.56	17.39	18.3	2				
10	16QAM	50	0	17.71	17.85	17.70	17.60	17.39						
10	16QAM	50	49	17.40	17.65	17.45	17.30	17.12						
10	64QAM	1	25	17.49	17.60	17.53	17.33	17.08						
10	64QAM	1	49	17.46	17.54	17.45	17.27	17.09	18.3	2				
10	64QAM	25	0	16.70	16.88	16.71	16.58	16.40						
10	64QAM	25	24	16.74	16.87	16.68	16.64	16.39						
10	64QAM	25	25	16.82	16.86	16.81	16.64	16.37						
10	64QAM	50	0	16.72	16.78	16.65	16.62	16.36	17.3	3				
Channel														
Frequency (MHz)				2498.5	2548.8	2593	2640.30	2687.5						
5	QPSK	1	0	19.53	19.61	19.54	19.40	19.19	20.30	0				
5	QPSK	1	12	19.50	19.54	19.44	19.28	19.12						
5	QPSK	1	24	19.59	19.55	19.53	19.44	19.23						
5	QPSK	12	0	19.64	19.70	19.64	19.53	19.27						
5	QPSK	12	7	19.57	19.77	19.62	19.52	19.28	19.3	1				
5	QPSK	12	12	19.00	19.74	19.64	19.40	19.26						
5	QPSK	25	0	19.65	19.73	19.70	19.51	19.31						
5	QPSK	25	0	19.71	19.74	19.74	19.55	19.39						
5	16QAM	1	12	19.74	19.80	19.81	19.58	19.36	19.3	1				
5	16QAM	1	24	19.70	19.80	19.75	19.80	19.44						
5	16QAM	12	0	17.53	17.65	17.61	17.52	17.21						
5	16QAM	12	7	17.54	17.64	17.58	17.41	17.26						
5	16QAM	1	12	17.56	17.62	17.56	17.40	17.16	18.3	2				
5	16QAM	25	0	17.62	17.73	17.64	17.40	17.26						
5	64QAM	1	12	17.33	17.54	17.45	17.12	17.08						
5	64QAM	1	24	17.25	17.47	17.43	17.20	17.01						
5	64QAM	1	12	16.57	16.71	16.67	16.47	16.24	18.3	2				
5	64QAM	1	24	16.57	16.71	16.62	16.49	16.19						
5	64QAM	25	0	16.58	16.75	16.62	16.42	16.25						
5	64QAM	25	0	16.66	16.78	16.70	16.53	16.21						

Band 41 HPUE ANT 4 DS14&9											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Mode Ch. / Freq	Power Mode Ch. / Freq	Power High Mode Ch. / Freq	Power High Ch. / Freq	Tune-up Int. (dBm)	MPR (dB)	
Channel											
Frequency (MHz)				39750	40165	40620	41055	41490			
20				22.6							

Conducted Power for DSIS

GSM850 ANT 1_DSIS	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.22	32.43	32.23	33.30	23.22	23.43	23.23	24.30
GPRS 1 Tx slot	32.21	32.41	32.21	33.30	23.21	23.41	23.21	24.30
GPRS 2 Tx slots	30.03	30.12	30.01	31.30	24.03	24.12	24.01	25.30
GPRS 3 Tx slots	27.73	27.85	27.72	28.80	23.47	23.60	23.46	24.54
GPRS 4 Tx slots	27.05	27.14	27.05	28.30	24.05	24.14	24.05	25.30
EDGE(GMSK 1 Tx slot)	32.20	32.38	32.20	33.30	23.20	23.38	23.20	24.30
EDGE(GMSK 2 Tx slots)	30.02	30.11	29.98	31.30	24.02	24.11	23.98	25.30
EDGE(GMSK 3 Tx slots)	27.70	27.85	27.69	28.80	23.44	23.59	23.43	24.54
EDGE(GMSK 4 Tx slots)	27.03	27.10	27.00	28.30	24.03	24.10	24.00	25.30
EDGE 1 Tx slot	26.81	26.72	26.74	27.80	17.81	17.72	17.74	18.80
EDGE 2 Tx slots	23.43	23.36	23.46	24.80	17.43	17.36	17.46	18.80
EDGE 3 Tx slots	20.99	20.95	20.98	22.30	16.73	16.69	16.72	18.04
EDGE 4 Tx slots	20.68	20.58	20.75	21.80	17.68	17.58	17.75	18.80

GSM1900 ANT 1_DSIS	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	23.99	24.02	23.94	24.60	14.99	15.02	14.94	15.60
GPRS 1 Tx slot	23.99	24.04	23.93	24.60	14.99	15.04	14.93	15.60
GPRS 2 Tx slots	21.52	21.54	21.42	22.10	15.52	15.54	15.42	16.10
GPRS 3 Tx slots	19.32	19.42	19.29	19.80	15.06	15.16	15.03	15.54
GPRS 4 Tx slots	18.69	18.72	18.71	19.30	15.69	15.72	15.71	16.30
EDGE(GMSK 1 Tx slot)	23.93	24.13	23.92	24.60	14.93	15.13	14.92	15.60
EDGE(GMSK 2 Tx slots)	21.49	21.52	21.41	22.10	15.49	15.52	15.41	16.10
EDGE(GMSK 3 Tx slots)	19.31	19.40	19.28	19.80	15.05	15.14	15.02	15.54
EDGE(GMSK 4 Tx slots)	18.66	18.71	18.70	19.30	15.66	15.71	15.70	16.30
EDGE 1 Tx slot	18.95	18.96	18.70	20.10	9.95	9.96	9.70	11.10
EDGE 2 Tx slots	16.66	16.68	16.46	17.80	10.66	10.68	10.46	11.80
EDGE 3 Tx slots	15.68	15.73	15.55	16.10	11.42	11.47	11.29	11.84
EDGE 4 Tx slots	13.92	13.98	13.86	14.30	10.92	10.98	10.86	11.30

Band	WCDMA II ANT 1_DSIS			Tune-up Limit (dBm)	WCDMA IV ANT 1_DSIS			Tune-up Limit (dBm)	WCDMA V ANT 1_DSIS			Tune-up Limit (dBm)
	9282	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9682	9800	9938		1637	1638	1738		4367	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	15.63	15.64	15.59	16.60	16.01	16.05	15.99	17.10	22.20	22.23	22.10	23.30
3GPP Rel 99 RMC 12.2Kbps	15.64	15.65	15.60	16.60	16.03	16.07	16.00	17.10	22.21	22.24	22.11	23.30
3GPP Rel 6 HSDPA Subtest-1	14.52	14.60	14.52	15.60	14.87	14.91	14.90	16.10	21.20	21.32	21.31	22.30
3GPP Rel 6 HSDPA Subtest-2	14.49	14.56	14.60	15.60	14.83	14.87	14.80	16.10	21.25	21.27	21.24	22.30
3GPP Rel 6 HSDPA Subtest-3	14.20	14.22	14.30	14.60	14.38	14.41	14.45	15.10	20.84	20.87	20.85	21.80
3GPP Rel 6 HSDPA Subtest-4	14.16	14.19	14.25	14.60	14.47	14.40	14.49	15.10	20.75	20.80	20.77	21.80
3GPP Rel 6 DC-HSDPA Subtest-1	14.48	14.56	14.51	15.60	14.86	14.89	14.86	16.10	21.19	21.28	21.29	22.30
3GPP Rel 6 DC-HSDPA Subtest-2	14.47	14.55	14.56	15.60	14.81	14.85	14.78	16.10	21.21	21.24	21.21	22.30
3GPP Rel 6 DC-HSDPA Subtest-3	14.18	14.17	14.25	14.60	14.36	14.40	14.43	15.10	20.80	20.82	20.83	21.80
3GPP Rel 6 DC-HSDPA Subtest-4	14.12	14.16	14.24	14.60	14.45	14.35	14.45	15.10	20.71	20.75	20.75	21.80
3GPP Rel 6 HSUPA Subtest-1	12.86	12.98	12.94	13.60	13.32	13.38	13.40	14.10	19.63	19.63	19.55	20.30
3GPP Rel 6 HSUPA Subtest-2	11.43	11.42	11.47	12.60	11.85	11.83	11.80	13.10	18.11	18.16	18.01	19.30
3GPP Rel 6 HSUPA Subtest-3	12.47	12.46	12.47	13.60	12.90	12.89	12.95	14.10	19.17	19.12	18.99	20.30
3GPP Rel 6 HSUPA Subtest-4	11.97	11.94	11.96	13.10	12.36	12.38	12.36	13.60	18.63	18.56	18.51	19.80
3GPP Rel 6 HSUPA Subtest-5	14.36	14.39	14.47	15.60	14.92	14.87	14.84	16.10	21.20	21.16	20.96	22.30
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	14.50	14.63	14.40	15.60	14.93	14.88	14.67	16.10	21.22	21.04	20.82	22.30



Band 2 ANT 1_DSI5														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / 18700	Power Middle Ch. / 18900	Power High Ch. / 19100	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	15.31	15.29	15.28			16.3	0				
20	QPSK	1	49	15.39	15.51	15.29	16.3	0						
20	QPSK	1	99	15.16	15.27	15.24								
20	QPSK	50	0	15.43	15.44	15.43								
20	QPSK	50	24	15.43	15.42	15.42			16.3	0				
20	QPSK	50	50	15.35	15.40	15.36								
20	QPSK	100	0	15.40	15.41	15.38								
20	16QAM	1	0	15.37	15.45	15.28								
20	16QAM	1	49	15.44	15.43	15.18	16.3	0	16.3	0				
20	16QAM	1	99	15.41	15.43	15.19								
20	16QAM	50	0	15.49	15.38	15.48								
20	16QAM	50	24	15.45	15.48	15.46								
20	16QAM	50	50	15.33	15.38	15.36			16.3	0				
20	16QAM	100	0	15.32	15.37	15.43								
20	64QAM	1	0	15.36	15.44	15.26								
20	64QAM	1	49	15.41	15.45	15.37	16.3	0						
20	64QAM	1	99	15.36	15.49	15.26			16.3	0				
20	64QAM	50	0	15.32	15.47	15.23								
20	64QAM	50	24	15.43	15.42	15.41								
20	64QAM	50	50	15.37	15.35	15.29								
20	64QAM	100	0	15.38	15.36	15.42			16.3	0				
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>														
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>														
15	QPSK	1	0	15.30	15.24	15.24			16.3	0				
15	QPSK	1	37	15.35	15.45	15.24								
15	QPSK	1	74	15.08	15.22	15.14								
15	QPSK	36	0	15.34	15.35	15.37								
15	QPSK	36	20	15.38	15.33	15.36			16.3	0				
15	QPSK	36	39	15.23	15.31	15.25								
15	QPSK	75	0	15.32	15.34	15.30								
15	16QAM	1	0	15.29	15.37	15.22								
15	16QAM	1	37	15.35	15.38	15.14	16.3	0	16.3	0				
15	16QAM	1	74	15.38	15.37	15.13								
15	16QAM	36	0	15.39	15.31	15.45								
15	16QAM	36	20	15.35	15.40	15.37								
15	16QAM	36	39	15.24	15.29	15.28			16.3	0				
15	16QAM	75	0	15.25	15.31	15.38								
15	64QAM	1	0	15.30	15.35	15.23								
15	64QAM	1	37	15.38	15.38	15.20								
15	64QAM	1	74	15.31	15.43	15.29			16.3	0				
15	64QAM	36	0	15.29	15.39	15.15								
15	64QAM	36	20	15.33	15.34	15.34								
15	64QAM	36	39	15.31	15.27	15.22								
15	64QAM	75	0	15.32	15.26	15.36			16.3	0				
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>														
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>														
10	QPSK	1	0	15.29	15.25	15.25			16.3	0				
10	QPSK	1	25	15.35	15.47	15.26								
10	QPSK	1	49	15.12	15.20	15.16								
10	QPSK	25	0	15.38	15.35	15.37								
10	QPSK	25	12	15.35	15.36	15.35			16.3	0				
10	QPSK	25	25	15.27	15.32	15.21								
10	QPSK	50	0	15.33	15.34	15.31								
10	16QAM	1	0	15.30	15.36	15.18								
10	16QAM	1	25	15.40	15.36	15.13	16.3	0	16.3	0				
10	16QAM	1	49	15.34	15.36	15.10								
10	16QAM	25	0	15.42	15.35	15.39								
10	16QAM	25	12	15.35	15.46	15.38								
10	16QAM	25	25	15.24	15.30	15.33			16.3	0				
10	16QAM	50	0	15.26	15.31	15.34								
10	64QAM	1	0	15.33	15.41	15.19								
10	64QAM	1	25	15.31	15.42	15.33								
10	64QAM	1	49	15.33	15.46	15.18			16.3	0				
10	64QAM	25	0	15.29	15.37	15.24								
10	64QAM	25	12	15.36	15.32	15.33								
10	64QAM	25	25	15.30	15.31	15.19								
10	64QAM	50	0	15.32	15.30	15.35			16.3	0				
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>														
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>														
5	QPSK	1	0	15.29	15.24	15.24			16.3	0				
5	QPSK	1	12	15.30	15.45	15.26								
5	QPSK	1	25	15.13	15.22	15.14								
5	QPSK	12	0	15.40	15.36	15.35								
5	QPSK	12	7	15.35	15.32	15.38			16.3	0				
5	QPSK	12	13	15.28	15.33	15.22								
5	QPSK	25	0	15.36	15.36	15.32								
5	16QAM	1	0	15.32	15.37	15.22								
5	16QAM	1	12	15.39	15.36	15.12	16.3	0	16.3	0				
5	16QAM	1	24	15.35	15.35	15.14								
5	16QAM	12	0	15.41	15.28	15.42								
5	16QAM	12	7	15.35	15.41	15.43								
5	16QAM	12	13	15.25	15.29	15.32			16.3	0				
5	16QAM	25	0	15.23	15.30	15.39								
5	64QAM	1	0	15.28	15.35	15.19								
5	64QAM	1	12	15.35	15.40	15.28								
5	64QAM	1	24	15.32	15.39	15.23			16.3	0				
5	64QAM	12	0	15.28	15.42	15.14								
5	64QAM	12	7	15.37	15.32	15.32								
5	64QAM	12	13	15.32	15.27	15.26								
5	64QAM	25	0	15.29	15.35	15.34			16.3	0				
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>														
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>														
3	QPSK	1	0	15.27	15.28	15.25			16.3	0				
3	QPSK	1	8	15.34	15.46	15.25								
3	QPSK	1	14	15.12	15.17	15.17								
3	QPSK	8	0	15.40	15.38	15.36								
3	QPSK	8	4	15.34	15.35	15.38			16.3	0				
3	QPSK	8	7	15.24	15.37	15.24								
3	QPSK	15	0	15.35	15.37	15.35								
3	16QAM	1	0	15.28	15.38	15.18								
3	16QAM	1	8	15.39	15.38	15.14	16.3	0	16.3	0				
3	16QAM	1	14	15.37	15.34	15.12								
3	16QAM	8	0	15.46	15.35	15.42								
3	16QAM	8	4	15.35	15.39	15.43								
3	16QAM	8	7	15.28	15.29	15.32			16.3	0				
3	16QAM	15	0	15.28	15.29	15.37								
3	64QAM	1	0	15.27	15.40	15.18								
3	64QAM	1	8	15.34	15.42	15.34								
3	64QAM	1	14	15.26	15.41	15.18			16.3	0				
3	64QAM	8	0	15.26	15.38	15.19								
3	64QAM	8	4	15.34	15.32	15.32								
3	64QAM	8	7	15.34	15.28	15.22								
3	64QAM	15	0	15.35	15.26	15.39			16.3	0				
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>														
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>														
1.4	QPSK	1	0	15.26	15.25	15.23			16.3	0				
1.4	QPSK	1	3	15.29	15.42	15.22								
1.4	QPSK	1	5	15.07	15.17	15.18								
1.4	QPSK	3	0	15.35	15.41	15.33								
1.4	QPSK	3	1	15.34	15.36	15.32			16.3	0				
1.4	QPSK	3	3	15.26	15.36	15.22								
1.4	QPSK	6	0	15.33	15.33	15.33								



Band 5 ANT 1_DSIS												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / 20450	Power Middle Ch. / 20525	Power High Ch. / 20600	Tune-up limit (dBm)	MPR (dB)				
Channel				20450	20525	20600						
Frequency (MHz)				820	838.5	844						
10	QPSK	1	0	22.21	22.29	21.93	23.3	0				
10	QPSK	1	25	22.28	22.32	22.11						
10	QPSK	1	49	22.27	22.31	22.01						
10	QPSK	25	0	22.30	22.31	22.04						
10	QPSK	25	12	22.27	22.30	22.10	23.3	0				
10	QPSK	25	25	22.21	22.28	22.00						
10	QPSK	50	0	22.22	22.30	22.09						
10	16QAM	1	0	22.25	22.30	22.09						
10	16QAM	1	25	22.26	22.25	22.10	23.3	0				
10	16QAM	1	49	22.24	22.28	22.06						
10	16QAM	25	0	21.54	21.45	21.06						
10	16QAM	25	12	21.59	21.44	21.20						
10	16QAM	25	25	21.42	21.59	21.26	22.8	0.5				
10	16QAM	50	0	21.46	21.42	21.21						
10	64QAM	1	0	21.67	21.53	21.31						
10	64QAM	1	25	21.75	21.75	20.99						
10	64QAM	1	49	21.54	21.63	21.06	22.8	0.5				
10	64QAM	25	0	20.43	20.56	20.20						
10	64QAM	25	12	20.49	20.54	20.20						
10	64QAM	25	25	20.52	20.58	20.08						
10	64QAM	50	0	20.54	20.43	20.08	21.8	1.5				
Channel				20425	20525	20625						
Frequency (MHz)				626.5	636.5	646.5						
5	QPSK	1	0	22.19	22.27	22.08			23.3	0		
5	QPSK	1	12	22.19	22.25	22.23						
5	QPSK	1	24	22.17	22.27	22.17						
5	QPSK	12	0	22.20	22.23	22.17						
5	QPSK	12	7	22.22	22.24	22.26	23.3	0				
5	QPSK	12	13	22.17	22.19	22.15						
5	QPSK	25	0	22.12	22.23	22.22						
5	16QAM	1	0	22.19	22.22	22.24						
5	16QAM	1	12	22.17	22.21	22.27	23.3	0				
5	16QAM	1	24	22.20	22.22	22.17						
5	16QAM	12	0	21.50	21.42	21.16						
5	16QAM	12	7	21.54	21.38	21.36						
5	16QAM	12	13	21.39	21.54	21.43	22.8	0.5				
5	16QAM	25	0	21.38	21.35	21.32						
5	64QAM	1	0	21.63	21.43	21.48						
5	64QAM	1	12	21.68	21.85	21.09						
5	64QAM	1	24	21.44	21.53	21.18	22.8	0.5				
5	64QAM	12	0	20.39	20.47	20.31						
5	64QAM	12	7	20.44	20.47	20.35						
5	64QAM	12	13	20.47	20.53	20.20						
5	64QAM	25	0	20.51	20.38	20.19	21.8	1.5				
Channel				20415	20525	20635						
Frequency (MHz)				825.5	836.5	847.5						
3	QPSK	1	0	22.18	22.26	22.09			23.3	0		
3	QPSK	1	8	22.18	22.27	22.28						
3	QPSK	1	14	22.20	22.24	22.17						
3	QPSK	8	0	22.22	22.24	22.16						
3	QPSK	8	4	22.18	22.22	22.27	23.3	0				
3	QPSK	8	7	22.17	22.21	22.15						
3	QPSK	15	0	22.15	22.25	22.24						
3	16QAM	1	0	22.15	22.22	22.21						
3	16QAM	1	8	22.19	22.19	22.26	23.3	0				
3	16QAM	1	14	22.20	22.21	22.20						
3	16QAM	8	0	21.51	21.36	21.23						
3	16QAM	8	4	21.54	21.39	21.31						
3	16QAM	8	7	21.35	21.53	21.43	22.8	0.5				
3	16QAM	15	0	21.38	21.38	21.37						
3	64QAM	1	0	21.60	21.50	21.48						
3	64QAM	1	8	21.71	21.68	21.09						
3	64QAM	1	14	21.50	21.59	21.17	22.8	0.5				
3	64QAM	8	0	20.36	20.50	20.33						
3	64QAM	8	4	20.39	20.50	20.30						
3	64QAM	8	7	20.45	20.49	20.19						
3	64QAM	15	0	20.47	20.38	20.25	21.8	1.5				
Channel				20407	20525	20643						
Frequency (MHz)				624.7	636.5	648.3						
1.4	QPSK	1	0	22.19	22.28	22.10			23.3	0		
1.4	QPSK	1	3	22.18	22.23	22.26						
1.4	QPSK	1	5	22.21	22.21	22.14						
1.4	QPSK	3	0	22.22	22.21	22.17						
1.4	QPSK	3	1	22.22	22.25	22.25	23.3	0				
1.4	QPSK	3	3	22.18	22.25	22.17						
1.4	QPSK	6	0	22.16	22.27	22.23						
1.4	16QAM	1	0	22.20	22.21	22.20						
1.4	16QAM	1	3	22.18	22.21	22.23	23.3	0				
1.4	16QAM	1	5	22.18	22.24	22.23						
1.4	16QAM	3	0	22.21	22.17	22.16						
1.4	16QAM	3	1	22.21	22.21	22.25						
1.4	16QAM	3	3	22.18	22.20	22.19	22.8	0.5				
1.4	16QAM	6	0	21.42	21.32	21.31						
1.4	64QAM	1	0	21.63	21.43	21.41						
1.4	64QAM	1	3	21.70	21.66	21.14						
1.4	64QAM	1	5	21.48	21.57	21.16	22.8	0.5				
1.4	64QAM	3	0	21.62	21.45	21.41						
1.4	64QAM	3	1	21.66	21.70	21.17						
1.4	64QAM	3	3	21.47	21.51	21.17						
1.4	64QAM	6	0	20.49	20.40	20.19	21.8	1.5				

Band 7 ANT 1 DSI5										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	16.35	16.20	16.21	16.6	0		
20	QPSK	1	49	16.37	16.45	16.41				
20	QPSK	50	0	16.29	16.44	16.39				
20	QPSK	50	24	16.33	16.39	16.33				
20	QPSK	50	50	16.40	16.41	16.26	16.6	0		
20	QPSK	100	0	16.35	16.40	16.26				
20	16QAM	1	0	16.01	16.25	16.39				
20	16QAM	1	49	16.31	16.42	16.36				
20	16QAM	1	99	16.42	16.22	16.32	16.6	0		
20	16QAM	50	0	16.34	16.44	16.42				
20	16QAM	50	24	16.36	16.39	16.34				
20	16QAM	50	50	16.43	16.38	16.31				
20	16QAM	100	0	16.33	16.37	16.30	16.6	0		
20	64QAM	1	0	16.21	16.24	16.36				
20	64QAM	1	49	16.35	16.44	16.38				
20	64QAM	1	99	16.31	16.38	16.40				
20	64QAM	50	0	16.24	16.44	16.39	16.6	0		
20	64QAM	50	24	16.31	16.40	16.30				
20	64QAM	50	50	16.35	16.44	16.32				
20	64QAM	100	0	16.31	16.42	16.28				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	16.32	16.16	16.17	16.6	0		
15	QPSK	1	37	16.28	16.35	16.36				
15	QPSK	1	74	16.27	16.24	16.29				
15	QPSK	36	0	16.25	16.36	16.31				
15	QPSK	36	20	16.25	16.31	16.27	16.6	0		
15	QPSK	36	39	16.31	16.37	16.20				
15	QPSK	36	59	16.36	16.36	16.16				
15	QPSK	75	0	15.96	16.36	16.16				
15	16QAM	1	0	15.96	16.16	16.31	16.6	0		
15	16QAM	1	37	16.24	16.33	16.33				
15	16QAM	1	74	16.36	16.15	16.23				
15	16QAM	36	0	16.24	16.34	16.29				
15	16QAM	36	20	16.26	16.32	16.32	16.6	0		
15	16QAM	36	39	16.35	16.35	16.36				
15	16QAM	36	59	16.28	16.28	16.27				
15	16QAM	75	0	16.13	16.21	16.32				
15	64QAM	1	37	16.26	16.37	16.28	16.6	0		
15	64QAM	1	74	16.21	16.29	16.35				
15	64QAM	36	0	16.16	16.35	16.29				
15	64QAM	36	20	16.24	16.32	16.20				
15	64QAM	36	39	16.29	16.40	16.22	16.6	0		
15	64QAM	36	59	16.24	16.34	16.23				
15	64QAM	75	0	16.24	16.34	16.23				
15	64QAM	100	0	16.28	16.30	16.23				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	16.32	16.16	16.16	16.6	0		
10	QPSK	1	25	16.34	16.38	16.36				
10	QPSK	49	0	16.22	16.22	16.28				
10	QPSK	25	0	16.19	16.41	16.31				
10	QPSK	25	12	16.27	16.31	16.27	16.6	0		
10	QPSK	25	25	16.37	16.33	16.20				
10	QPSK	50	0	16.31	16.33	16.18				
10	QPSK	50	0	15.97	16.16	16.36				
10	16QAM	1	25	16.27	16.35	16.27	16.6	0		
10	16QAM	1	49	16.39	16.12	16.26				
10	16QAM	25	0	16.28	16.41	16.36				
10	16QAM	25	12	16.29	16.29	16.31				
10	16QAM	25	25	16.35	16.35	16.26	16.6	0		
10	16QAM	50	0	16.30	16.27	16.21				
10	64QAM	1	10	16.11	16.17	16.26				
10	64QAM	1	25	16.32	16.36	16.32				
10	64QAM	1	49	16.24	16.31	16.30	16.6	0		
10	64QAM	25	0	16.14	16.41	16.31				
10	64QAM	25	12	16.23	16.35	16.21				
10	64QAM	25	25	16.28	16.39	16.26				
10	64QAM	50	0	16.28	16.32	16.18	16.6	0		
10	64QAM	50	0	16.28	16.32	16.18				
10	64QAM	50	0	16.28	16.32	16.18				
10	64QAM	50	0	16.28	16.32	16.18				
Channel				20925	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	16.30	16.16	16.16	16.6	0		
5	QPSK	1	12	16.33	16.40	16.35				
5	QPSK	1	24	16.24	16.21	16.23				
5	QPSK	12	0	16.26	16.37	16.32				
5	QPSK	12	7	16.25	16.35	16.23	16.6	0		
5	QPSK	12	13	16.31	16.31	16.25				
5	QPSK	25	0	16.27	16.33	16.21				
5	16QAM	1	0	15.96	16.17	16.29				
5	16QAM	1	12	16.26	16.39	16.31	16.6	0		
5	16QAM	1	24	16.39	16.13	16.23				
5	16QAM	12	0	16.28	16.39	16.36				
5	16QAM	12	7	16.32	16.34	16.30				
5	16QAM	12	13	16.36	16.29	16.21	16.6	0		
5	16QAM	25	0	16.28	16.27	16.20				
5	64QAM	1	0	16.16	16.14	16.33				
5	64QAM	1	12	16.30	16.34	16.34				
5	64QAM	1	24	16.21	16.30	16.37	16.6	0		
5	64QAM	12	0	16.15	16.34	16.33				
5	64QAM	12	7	16.31	16.31	16.21				
5	64QAM	12	13	16.32	16.34	16.20				



Band 13 ANT 1_DSI5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				23230			742		
Frequency (MHz)									
10	QPSK	1	0		23.40		24.3		0
10	QPSK	1	25		23.41				
10	QPSK	1	49		23.36				
10	QPSK	25	0		22.35		23.3	1	
10	QPSK	25	12		22.33				
10	QPSK	25	25		22.32				
10	QPSK	50	0		22.36		23.3	1	
10	16QAM	1	0		22.68				
10	16QAM	1	25		22.73				
10	16QAM	1	49		22.75		22.3	2	
10	16QAM	25	0		21.20				
10	16QAM	25	12		21.36				
10	16QAM	25	25		21.46		21.3	3	
10	16QAM	50	0		21.36				
10	64QAM	1	0		21.48				
10	64QAM	1	25		21.55		22.3	2	
10	64QAM	1	49		21.54				
10	64QAM	25	0		20.21				
10	64QAM	25	12		20.36		21.3	3	
10	64QAM	25	25		20.43				
10	64QAM	50	0		20.32				
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.35	23.37	23.36	24.3	0	
5	QPSK	1	12	23.31	23.37	23.38			
5	QPSK	1	24	23.32	23.36	23.39			
5	QPSK	12	0	22.31	22.32	22.43	23.3	1	
5	QPSK	12	7	22.38	22.37	22.35			
5	QPSK	12	13	22.39	22.33	22.49			
5	QPSK	25	0	22.35	22.35	22.40	23.3	1	
5	16QAM	1	0	22.75	22.71	22.62			
5	16QAM	1	12	22.75	22.72	22.77			
5	16QAM	1	24	22.73	22.76	22.83	22.3	2	
5	16QAM	12	0	21.29	21.32	21.38			
5	16QAM	12	7	21.38	21.35	21.36			
5	16QAM	12	13	21.39	21.32	21.43	22.3	2	
5	16QAM	25	0	21.37	21.36	21.38			
5	64QAM	1	0	21.60	21.58	21.55			
5	64QAM	1	12	21.65	21.57	21.62	22.3	2	
5	64QAM	1	24	21.61	21.53	21.55			
5	64QAM	12	0	20.31	20.33	20.44			
5	64QAM	12	7	20.40	20.38	20.37	21.3	3	
5	64QAM	12	13	20.42	20.34	20.47			
5	64QAM	25	0	20.35	20.36	20.35			

Band 17 ANT 1_DSI5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				23760	23790	23800	710		
Frequency (MHz)				209	710	711			
10	QPSK	1	0	22.82	22.80	22.69	23.8	0	
10	QPSK	1	25	22.88	22.85	22.81			
10	QPSK	1	49	22.87	22.84	22.78			
10	QPSK	25	0	22.85	22.87	22.81	23.8	0	
10	QPSK	25	12	22.80	22.81	22.84			
10	QPSK	25	25	22.81	22.83	22.82			
10	QPSK	50	0	22.85	22.86	22.70	23.8	0	
10	16QAM	1	0	22.84	22.87	22.75			
10	16QAM	1	25	22.82	22.88	22.73			
10	16QAM	1	49	22.83	22.85	22.76	22.8	1	
10	16QAM	25	0	21.71	21.86	21.73			
10	16QAM	25	12	21.77	21.86	21.70			
10	16QAM	25	25	21.74	21.85	21.70	22.8	1	
10	16QAM	50	0	21.73	21.77	21.72			
10	64QAM	1	0	21.76	21.83	21.76			
10	64QAM	1	25	21.89	22.05	21.91	21.8	2	
10	64QAM	1	49	21.83	21.94	21.93			
10	64QAM	25	0	20.67	20.77	20.70			
10	64QAM	25	12	20.72	20.80	20.72	20.87		
10	64QAM	25	25	20.71	20.83	20.73			
10	64QAM	50	0	20.76	20.83	20.68			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.78	22.79	22.65	23.8	0	
5	QPSK	1	12	22.79	22.82	22.72			
5	QPSK	1	24	22.78	22.79	22.76			
5	QPSK	12	0	22.76	22.76	22.75	23.8	0	
5	QPSK	12	7	22.71	22.73	22.75			
5	QPSK	12	13	22.75	22.74	22.74			
5	QPSK	25	0	22.77	22.79	22.67	23.8	0	
5	16QAM	1	0	22.81	22.82	22.66			
5	16QAM	1	12	22.76	22.85	22.67			
5	16QAM	1	24	22.78	22.77	22.70	22.8	1	
5	16QAM	12	0	21.67	21.76	21.69			
5	16QAM	12	7	21.70	21.77	21.67			
5	16QAM	12	13	21.70	21.80	21.65	22.8	1	
5	16QAM	25	0	21.67	21.69	21.64			
5	64QAM	1	0	21.66	21.73	21.71			
5	64QAM	1	12	21.79	21.96	21.85	21.8	2	
5	64QAM	1	24	21.74	21.89	21.67			
5	64QAM	12	0	20.58	20.74	20.83			
5	64QAM	12	7	20.64	20.77	20.64	20.87		
5	64QAM	12	13	20.68	20.78	20.88			
5	64QAM	25	0	20.67	20.80	20.64			

Band 25 ANT 1_DSI5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				26140	26340	26500	1850		
Frequency (MHz)				1850	1880	1905			
20	QPSK	1	0	15.48	15.49	15.42	16.3	0	
20	QPSK	1	49	15.50	15.57	15.56			
20	QPSK	1	99	15.29	15.38	15.36			
20	QPSK	50	0	15.52	15.55	15.54	16.3	0	
20	QPSK	50	24	15.51	15.53	15.52			
20	QPSK	50	50	15.50	15.50	15.52			
20	QPSK	100	0	15.47	15.52	15.51	16.3	0	
20	16QAM	1	0	15.43	15.52	15.55			
20	16QAM	1	49	15.45	15.52	15.50			
20	16QAM	1	99	15.47	15.53	15.55	16.3	0	
20	16QAM	50	0	15.46	15.51	15.52			
20	16QAM	50	24	15.54	15.54	15.51			
20	16QAM	50	50	15.48	15.53	15.53	16.3	0	
20	16QAM	100	0	15.48	15.50	15.49			
20	64QAM	1	0	15.44	15.51	15.52			
20	64QAM	1	49	15.43	15.52	15.52	16.3	0	
20	64QAM	1	99	15.43	15.52	15.54			
20	64QAM	50	0	15.47	15.50	15.50			
20	64QAM	50	24	15.45	15.50	15.52	16.3	0	
20	64QAM	50	50	15.47	15.52	15.50			
20	64QAM	100	0	15.45	15.53	15.51			
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	15.43	15.45	15.38	16.3	0	
15	QPSK	1	37	15.40	15.53	15.53			
15	QPSK	1	74	15.22	15.28	15.33			
15	QPSK	36	0	15.47	15.49	15.47	16.3	0	
15	QPSK	36	20	15.45	15.48	15.47			
15	QPSK	36	39	15.47	15.45	15.47			
15	QPSK	75	0	15.40	15.45				

Band 25 ANT 4																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / 26140	Power Middle Ch. / 26340	Power High Ch. / 26590	Tune-up limit (dBm)	MPR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	22.31	22.30	22.14	23.3	0								
20	QPSK	1	49	22.35	22.37	22.25										
20	QPSK	1	99	22.15	22.23	22.11										
20	QPSK	50	0	21.35	21.36	21.27										
20	QPSK	50	24	21.32	21.31	21.25										
20	QPSK	50	50	21.32	21.33	21.21	22.3	1								
20	QPSK	100	0	21.34	21.35	21.23										
20	16QAM	1	0	21.56	21.62	21.43										
20	16QAM	1	49	21.64	21.65	21.48										
20	16QAM	1	99	21.48	21.48	21.30										
20	16QAM	50	0	20.40	20.36	20.24	21.3	2								
20	16QAM	50	24	20.41	20.38	20.22										
20	16QAM	50	50	20.35	20.27	20.20										
20	16QAM	100	0	20.30	20.33	20.19										
20	64QAM	1	0	20.41	20.50	20.30										
20	64QAM	1	49	20.44	20.48	20.45	21.3	2								
20	64QAM	1	99	20.31	20.34	20.15										
20	64QAM	50	0	19.37	19.34	19.22										
20	64QAM	50	24	19.36	19.33	19.17										
20	64QAM	50	50	19.28	19.30	19.14										
20	64QAM	100	0	19.30	19.32	19.21	20.3	3								
Channel																
Frequency (MHz)																
15	QPSK	1	0	22.36	22.28	22.18	23.3	0								
15	QPSK	1	37	22.33	22.36	22.21										
15	QPSK	1	74	22.24	22.25	22.16										
15	QPSK	36	0	21.37	21.28	21.14										
15	QPSK	36	20	21.31	21.32	21.17										
15	QPSK	36	39	21.28	21.27	21.16	22.3	1								
15	QPSK	75	0	21.32	21.33	21.19										
15	16QAM	1	0	21.61	21.56	21.41										
15	16QAM	1	37	21.69	21.71	21.41										
15	16QAM	1	74	21.52	21.51	21.34										
15	16QAM	36	0	20.36	20.30	20.17	21.3	2								
15	16QAM	36	20	20.32	20.31	20.22										
15	16QAM	36	39	20.31	20.28	20.13										
15	16QAM	75	0	20.33	20.33	20.20										
15	64QAM	1	0	20.45	20.39	20.33										
15	64QAM	1	37	20.52	20.46	20.34	21.3	2								
15	64QAM	1	74	20.42	20.34	20.28										
15	64QAM	36	0	19.41	19.33	19.17										
15	64QAM	36	20	19.38	19.30	19.17										
15	64QAM	36	39	19.30	19.38	19.16										
15	64QAM	75	0	19.30	19.29	19.15	20.3	3								
Channel																
Frequency (MHz)																
10	QPSK	1	0	22.31	22.34	22.17	23.3	0								
10	QPSK	1	25	22.36	22.33	22.22										
10	QPSK	1	49	22.29	22.36	22.18										
10	QPSK	25	0	21.33	21.36	21.19										
10	QPSK	25	12	21.32	21.42	21.23										
10	QPSK	25	12	21.40	21.37	21.25	22.3	1								
10	QPSK	50	0	22.36	22.29	22.21										
10	16QAM	1	0	21.63	21.64	21.47										
10	16QAM	1	25	21.62	21.69	21.41										
10	16QAM	1	49	21.65	21.68	21.45										
10	16QAM	25	0	20.36	20.36	20.22	21.3	2								
10	16QAM	25	12	20.36	20.40	20.21										
10	16QAM	25	25	20.35	20.39	20.20										
10	16QAM	50	0	21.38	21.36	21.21										
10	64QAM	1	0	20.55	20.61	20.37										
10	64QAM	1	25	20.50	20.50	20.34	21.3	2								
10	64QAM	1	49	20.54	20.54	20.39										
10	64QAM	25	0	19.35	19.35	19.19										
10	64QAM	25	12	19.40	19.41	19.21										
10	64QAM	25	25	19.38	19.41	19.21										
10	64QAM	50	0	20.41	20.43	20.18	20.3	3								
Channel																
Frequency (MHz)																
5	QPSK	1	0	22.34	22.31	22.35	23.3	0								
5	QPSK	1	12	22.33	22.31	22.33										
5	QPSK	1	24	22.32	22.31	22.34										
5	QPSK	12	0	21.42	21.41	21.41										
5	QPSK	12	7	21.36	21.38	21.36										
5	QPSK	12	13	21.33	21.35	21.27	22.3	1								
5	QPSK	25	0	21.36	21.41	21.37										
5	16QAM	1	0	21.60	21.67	21.56										
5	16QAM	1	12	21.63	21.63	21.65										
5	16QAM	1	24	21.60	21.66	21.52										
5	16QAM	12	0	20.41	20.42	20.39	21.3	2								
5	16QAM	12	7	20.35	20.36	20.34										
5	16QAM	12	13	20.30	20.29	20.23										
5	16QAM	25	0	20.35	20.39	20.38										
5	64QAM	1	0	20.53	20.55	20.44										
5	64QAM	1	12	20.59	20.55	20.49	21.3	2								
5	64QAM	1	24	20.47	20.51	20.45										
5	64QAM	12	0	19.42	19.39	19.38										
5	64QAM	12	7	19.38	19.36	19.40										
5	64QAM	12	13	19.33	19.35	19.28										
5	64QAM	25	0	19.36	19.36	19.36	20.3	3								
Channel																
Frequency (MHz)																
3	QPSK	1	0	22.35	22.36	22.31	23.3	0								
3	QPSK	1	8	22.33	22.33	22.30										
3	QPSK	1	14	22.31	22.30	22.33										
3	QPSK	8	0	21.34	21.38	21.33										
3	QPSK	8	4	21.31	21.38	21.32										
3	QPSK	8	7	21.32	21.37	21.28	22.3	1								
3	QPSK	15	0	21.35	21.38	21.33										
3	16QAM	1	0	21.59	21.65	21.53										
3	16QAM	1	8	21.56	21.64	21.48										
3	16QAM	1	14	21.52	21.66	21.46										
3	16QAM	8	0	20.43	20.43	20.41	21.3	2								
3	16QAM	8	4	20.40	20.43	20.41										
3	16QAM	8	7	20.41	20.42	20.40										
3	16QAM															

Band 71 ANT 1_DS15									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch.	Power Middle Ch.	Power High Ch.	Tune-up limit (dBm)	MPR (dB)	
Channel				133222	133297	133372			
Frequency (MHz)				673	680.5	688			
20	QPSK	1	0	21.95	22.05	22.08	22.8	0	
20	QPSK	1	49	22.12	22.27	22.18			
20	QPSK	1	99	22.02	22.11	22.06			
20	QPSK	50	0	22.07	22.25	22.17			
20	QPSK	50	24	22.04	22.19	22.10	22.8	0	
20	QPSK	50	50	22.00	22.18	22.09			
20	QPSK	100	0	22.17	22.22	22.20			
20	16QAM	1	0	21.92	21.95	22.03			
20	16QAM	1	49	22.08	22.22	22.15	22.8	0	
20	16QAM	1	99	21.93	22.02	22.03			
20	16QAM	50	0	21.88	22.01	22.04			
20	16QAM	50	24	22.11	22.23	22.15			
20	16QAM	50	50	21.99	22.02	22.01	22.8	0	
20	16QAM	100	0	22.08	22.24	22.08			
20	64QAM	1	0	21.87	21.95	22.02			
20	64QAM	1	49	22.07	22.22	22.16			
20	64QAM	1	99	21.93	22.04	21.98	21.8	1	
20	64QAM	50	0	21.11	21.28	21.25			
20	64QAM	50	24	21.22	21.31	21.31			
20	64QAM	50	50	21.25	21.37	21.29			
Channel				133197	133297	133397	Tune-up limit (dBm) MPR (dB)		
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	21.92	21.99	22.05	22.8	0	
15	QPSK	1	37	22.09	22.26	22.14			
15	QPSK	1	74	21.95	22.08	22.02			
15	QPSK	36	0	22.03	22.18	22.11			
15	QPSK	36	20	21.98	22.16	22.02	22.8	0	
15	QPSK	36	39	21.92	22.14	22.02			
15	QPSK	75	0	22.07	22.12	22.16			
15	16QAM	1	0	21.82	21.86	21.96			
15	16QAM	1	37	21.98	22.18	22.07	22.8	0	
15	16QAM	1	74	21.89	21.99	21.99			
15	16QAM	36	0	21.81	21.96	21.98			
15	16QAM	36	20	22.03	22.18	22.09			
15	16QAM	36	39	21.96	21.97	21.92	22.8	0	
15	16QAM	75	0	22.04	22.16	21.98			
15	64QAM	1	0	21.81	21.86	21.97			
15	64QAM	1	37	22.03	22.13	22.09			
15	64QAM	1	74	21.85	21.97	21.88	22.8	0	
15	64QAM	36	0	21.01	21.22	21.21			
15	64QAM	36	20	21.18	21.26	21.26			
15	64QAM	36	39	21.19	21.27	21.25			
15	64QAM	75	0	21.15	21.24	21.07	Tune-up limit (dBm) MPR (dB)		
Channel				133172	133297	133422			
Frequency (MHz)				668	680.5	693			
10	QPSK	1	0	21.91	21.98	22.01			
10	QPSK	1	25	22.08	22.22	22.14	22.8	0	
10	QPSK	1	49	21.92	22.03	21.96			
10	QPSK	25	0	22.00	22.22	22.12			
10	QPSK	25	12	21.96	22.14	22.00			
10	QPSK	25	25	21.90	22.12	21.99	22.8	0	
10	QPSK	50	0	22.14	22.13	22.13			
10	16QAM	1	0	21.87	21.91	21.98			
10	16QAM	1	25	21.98	22.21	22.12			
10	16QAM	1	49	21.90	21.97	21.94	22.8	0	
10	16QAM	25	0	21.78	21.93	21.99			
10	16QAM	25	12	22.01	22.13	22.11			
10	16QAM	25	25	21.93	21.97	21.93			
10	16QAM	50	0	22.05	22.16	22.03	22.8	0	
10	64QAM	1	0	21.78	21.85	21.92			
10	64QAM	1	25	21.97	22.14	22.07			
10	64QAM	1	49	21.83	22.01	21.89			
10	64QAM	25	0	21.01	21.22	21.22	21.8	1	
10	64QAM	25	12	21.13	21.28	21.21			
10	64QAM	25	25	21.17	21.27	21.20			
10	64QAM	50	0	21.15	21.26	21.10			
Channel				133147	133297	133447	Tune-up limit (dBm) MPR (dB)		
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	0	21.89	21.96	21.98	22.8	0	
5	QPSK	1	12	22.08	22.22	22.15			
5	QPSK	1	24	21.97	22.02	21.99			
5	QPSK	12	0	21.99	22.17	22.07			
5	QPSK	12	7	21.94	22.13	22.00	22.8	0	
5	QPSK	12	13	21.95	22.12	22.00			
5	QPSK	25	0	22.13	22.17	22.16			
5	16QAM	1	0	21.86	21.89	21.95			
5	16QAM	1	12	22.03	22.16	22.10	22.8	0	
5	16QAM	1	24	21.83	21.96	21.99			
5	16QAM	12	0	21.80	21.91	21.99			
5	16QAM	12	7	22.08	22.17	22.11			
5	16QAM	12	13	21.96	21.94	21.93	22.8	0	
5	16QAM	25	0	22.00	22.20	22.05			
5	64QAM	1	0	21.84	21.85	21.95			
5	64QAM	1	12	21.97	22.17	22.06			
5	64QAM	1	24	21.90	21.94	21.88	21.8	1	
5	64QAM	12	0	21.01	21.20	21.16			
5	64QAM	12	7	21.17	21.22	21.25			
5	64QAM	12	13	21.19	21.33	21.26			
5	64QAM	25	0	21.14	21.27	21.10			

Band 38 ANT 1_DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	19.30	19.38	19.42		
20	QPSK	1	49	19.30	19.53	19.38		19.8
20	QPSK	50	0	19.33	19.34	19.27		
20	QPSK	50	0	19.45	19.63	19.47		
20	QPSK	50	24	19.36	19.47	19.37		19.8
20	QPSK	50	50	19.33	19.44	19.40		
20	QPSK	100	0	19.46	19.48	19.46		
20	16QAM	1	0	19.39	19.43	19.39		19.8
20	16QAM	1	49	19.38	19.34	19.31		
20	16QAM	1	99	19.39	19.40	19.21		
20	16QAM	50	0	19.43	19.40	19.43		
20	16QAM	50	24	19.40	19.43	19.33		19.8
20	16QAM	50	50	19.33	19.46	19.32		
20	16QAM	100	0	19.38	19.46	19.40		
20	16QAM	1	0	19.42	19.69	19.39		
20	64QAM	1	49	19.38	19.39	19.39		19.8
20	64QAM	1	99	19.18	19.21	19.12		
20	64QAM	50	0	19.15	19.23	19.11		
20	64QAM	50	24	19.02	19.13	19.03		19.8
20	64QAM	50	50	19.40	19.35	19.29		
20	64QAM	100	0	19.37	19.39	19.37	Turn-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	0	18.84	19.25	19.19		
15	QPSK	1	37	19.02	19.29	19.28		19.8
15	QPSK	1	74	19.10	18.96	19.13		
15	QPSK	36	0	19.34	19.16	19.13		
15	QPSK	36	20	19.08	19.25	19.03		19.8
15	QPSK	36	39	19.18	19.23	19.06		
15	QPSK	75	0	19.09	19.37	19.13		
15	16QAM	1	0	19.23	19.38	19.23		19.8
15	16QAM	1	37	19.17	19.11	19.21		
15	16QAM	1	74	19.07	19.03	18.92		
15	16QAM	36	0	19.07	19.21	19.11		
15	16QAM	36	20	19.11	19.06	19.10		19.8
15	16QAM	36	39	19.12	19.06	19.05		
15	16QAM	75	0	19.10	19.09	19.04		
15	64QAM	1	0	19.25	19.10	19.03		19.8
15	64QAM	1	37	19.25	19.14	19.12		
15	64QAM	1	74	19.12	19.11	19.05		
15	64QAM	36	0	19.17	18.92	18.90		
15	64QAM	36	20	18.98	18.81	18.95		19.8
15	64QAM	36	39	19.12	19.06	19.12		
15	64QAM	75	0	19.02	19.23	19.02	Turn-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	19.03	19.05	19.30		
10	QPSK	1	25	19.32	19.16	19.14		19.8
10	QPSK	1	49	18.97	19.18	19.19		
10	QPSK	25	0	19.16	19.43	19.14		
10	QPSK	25	12	19.13	19.14	19.26		19.8
10	QPSK	25	25	18.98	19.33	19.11		
10	QPSK	50	0	19.30	19.24	19.40		
10	16QAM	1	0	19.25	19.39	19.30		
10	16QAM	1	25	19.14	19.10	19.26		19.8
10	16QAM	1	49	19.28	19.01	19.02		
10	16QAM	25	0	19.42	19.11	19.41		
10	16QAM	25	12	19.25	19.05	19.04		19.8
10	16QAM	25	25	19.03	19.10	18.96		
10	16QAM	50	0	19.25	19.44	19.26		
10	64QAM	1	0	19.23	19.44	19.06		
10	64QAM	1	25	19.00	19.10	19.28		19.8
10	64QAM	1	49	18.92	19.16	19.03		
10	64QAM	25	0	18.94	19.19	18.92		
10	64QAM	25	12	18.76	18.95	18.96		19.8
10	64QAM	25	25	19.22	19.27	19.23		
10	64QAM	50	0	19.25	19.16	19.32	Turn-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
5	QPSK	1	0	19.08	19.36	19.23		
5	QPSK	1	12	19.08	19.41	19.22		19.8
5	QPSK	1	24	19.29	19.15	19.03		
5	QPSK	12	0	19.23	19.23	19.30		
5	QPSK	12	7	19.16	19.37	19.17		19.8
5	QPSK	12	13	19.21	19.19	19.14		
5	QPSK	25	0	19.21	19.10	19.14		
5	16QAM	1	0	19.25	19.34	19.10		19.8
5	16QAM	1	12	19.11	19.17	19.16		
5	16QAM	1	24	19.28	19.19	19.03		
5	16QAM	12	0	19.06	19.18	19.26		
5	16QAM	12	7	19.02	19.22	19.04		19.8
5	16QAM	12	13	19.36	19.35	19.09		
5	16QAM	25	0	19.09	19.07	19.06		
5	64QAM	1	0	19.06	19.21	19.34		
5	64QAM	1	12	19.30	19.13	19.23		19.8
5	64QAM	1	24	18.90	18.96	18.96		
5	64QAM	12	0	18.81	19.15	18.93		
5	64QAM	12	7	19.01	18.74	19.02		19.8
5	64QAM	12	13	19.20	19.11	19.05		
5	64QAM	25	0	19.07	19.18	19.17		

Band 41 ANT 1_DSI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [Frac]	Power Low Mid [Frac]	Power High Ch [Frac]	High Freq [MHz]	Power High Ch [dBm]
Channel								
Frequency (MHz)								
				39750	40185	40620	41055	41490
				2500	2549.5	2593	2638.5	2683
20	QPSK	1	0	17.61	17.62	17.62	17.23	17.20
20	QPSK	1	49	17.56	17.53	17.63	17.43	17.32
20	QPSK	1	99	17.55	17.55	17.60	17.30	17.26
20	QPSK	50	0	17.47	17.55	17.63	17.41	17.31
20	QPSK	50	24	17.56	17.51	17.60	17.49	17.41
20	QPSK	50	50	17.53	17.55	17.60	17.39	17.45
20	QPSK	100	0	17.54	17.60	17.61	17.34	17.29
20	16QAM	1	0	17.56	17.52	17.58	17.32	17.31
20	16QAM	1	49	17.55	17.55	17.56	17.44	17.43
20	16QAM	1	99	17.54	17.50	17.55	17.39	17.30
20	16QAM	50	0	17.48	17.53	17.50	17.42	17.34
20	16QAM	50	24	17.51	17.52	17.60	17.43	17.42
20	16QAM	50	50	17.57	17.57	17.50	17.45	17.41
20	16QAM	100	0	17.49	17.48	17.55	17.43	17.31
20	64QAM	1	0	17.42	17.34	17.29	17.19	17.21
20	64QAM	1	49	17.63	17.45	17.34	17.38	17.32
20	64QAM	1	99	17.39	17.38	17.34	17.28	17.28
20	64QAM	50	0	17.47	17.49	17.62	17.39	17.35
20	64QAM	50	24	17.48	17.48	17.53	17.45	17.39
20	64QAM	50	50	17.50	17.53	17.67	17.40	17.42
20	64QAM	100	0	17.47	17.51	17.63	17.35	17.39
Channel								
Frequency (MHz)								
15	QPSK	1	0	17.30	17.61	17.28	17.25	17.16
15	QPSK	1	37	17.47	17.30	17.52	17.35	17.13
15	QPSK	1	74	17.54	17.39	17.29	17.18	17.37
15	QPSK	36	0	17.22	17.26	17.61	17.56	17.19
15	QPSK	36	20	17.62	17.45	17.29	17.62	17.24
15	QPSK	36	39	17.27	17.21	17.49	17.61	17.29
15	QPSK	75	0	17.42	17.28	17.42	17.34	17.46
15	16QAM	1	0	17.55	17.43	17.50	17.46	17.18
15	16QAM	1	37	17.21	17.47	17.47	17.40	17.41
15	16QAM	1	74	17.42	17.36	17.31	17.57	17.28
15	16QAM	36	0	17.22	17.30	17.35	17.35	17.03
15	16QAM	36	20	17.33	17.38	17.23	17.15	17.28
15	16QAM	36	39	17.20	17.25	17.15	17.27	17.38
15	16QAM	75	0	17.44	17.37	17.25	17.29	17.29
15	64QAM	1	0	17.14	17.25	17.04	17.35	17.28
15	64QAM	1	37	17.45	17.22	17.05	17.66	17.15
15	64QAM	1	74	17.28	16.99	16.96	17.33	17.34
15	64QAM	36	0	17.35	17.37	17.25	17.11	17.13
15	64QAM	36	20	17.18	17.32	17.18	17.27	17.07
15	64QAM	36	39	17.20	17.47	17.30	17.23	17.27
15	64QAM	75	0	17.45	17.13	17.45	17.10	17.27
Channel								
Frequency (MHz)								
10	QPSK	1	0	17.48	17.62	17.45	17.10	17.17
10	QPSK	1	25	17.45	17.44	17.45	17.38	17.29
10	QPSK	1	49	17.49	17.47	17.49	17.31	17.26
10	QPSK	25	0	17.24	17.16	17.38	17.55	17.41
10	QPSK	25	12	17.18	17.47	17.39	17.37	17.38
10	QPSK	25	25	17.46	17.54	17.59	17.40	17.27
10	QPSK	50	0	17.40	17.36	17.51	17.47	17.13
10	16QAM	1	0	17.54	17.13	17.30	17.07	17.29
10	16QAM	1	25	17.21	17.32	17.31	17.13	17.42
10	16QAM	1	49	17.45	17.47	17.23	17.28	17.27
10	16QAM	25	0	17.12	17.48	17.16	17.17	17.31
10	16QAM	25	12	17.39	17.00	17.25	17.21	17.26
10	16QAM	25	25	17.36	17.38	17.13	17.24	17.03
10	16QAM	50	0	17.16	17.29	17.60	17.13	17.09
10	64QAM	1	0	17.23	17.14	16.97	16.80	17.02
10	64QAM	1	25	17.31	17.13	17.05	17.08	17.10
10	64QAM	1	49	17.28	17.39	17.16	16.93	16.96
10	64QAM	25	0	17.20	17.29	17.33	17.49	17.51
10	64QAM	25	12	17.38	17.16	17.32	17.39	17.24
10	64QAM	25	25	17.36	17.33	17.48	17.13	17.06
10	64QAM	50	0	17.37	17.40	17.46	17.36	17.16
Channel								
Frequency (MHz)								
5				2498.5	2545.8	2593	2640.3	2687.5
5	QPSK	1	0	17.34	17.28	17.40	17.14	17.23
5	QPSK	1	17	17.51	17.15	17.62	17.25	17.38
5	QPSK	1	34	17.44	17.35	17.35	17.35	17.35
5	QPSK	12	0	17.38	17.51	17.41	17.34	17.20
5	QPSK	12	7	17.42	17.28	17.51	17.40	17.26
5	QPSK	12	14	17.39	17.39	17.32	17.32	17.28
5	QPSK	25	0	17.33	17.26	17.24	17.22	17.11
5	16QAM	1	0	17.22	17.18	17.36	17.06	16.94
5	16QAM	1	17	17.25	17.26	17.26	17.26	17.26
5	16QAM	1	34	17.26	17.36	17.30	17.16	17.20
5	16QAM	12	0	17.45	17.34	17.38	17.28	17.27
5	16QAM	12	7	17.26	17.20	17.41	17.29	17.24
5	16QAM	12	14	17.28	17.28	17.30	17.30	17.28
5	16QAM	25	0	17.29	17.16	17.47	17.27	17.05
5	64QAM	1	0	17.11	17.06	17.27	16.92	17.15
5	64QAM	1	17	17.08	17.11	17.11	17.11	17.07
5	64QAM	1	34	17.19	17.24	17.28	17.22	16.99
5	64QAM	12	0	17.46	17.13	17.34	17.41	17.43
5	64QAM	12	7	17.29	17.23	17.46	17.34	17.31
5	64QAM	12	14	17.31	17.32	17.38	17.38	17.32
5	64QAM	25	0	17.23	17.38	17.44	17.01	17.16

Conducted Power for DSI10

GSM850 ANT 1_DSI10	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	31.41	31.56	31.42	32.30	22.41	22.56	22.42	23.30
GSM 1 Tx slot	31.48	31.49	31.47	32.30	22.48	22.49	22.47	23.30
GPRS 1 Tx slot	29.01	28.99	28.97	30.30	23.01	22.99	22.97	24.30
GPRS 2 Tx slots	26.77	26.76	26.75	27.80	22.51	22.52	22.49	23.54
GPRS 3 Tx slots	26.10	26.12	26.08	27.30	23.10	23.12	23.06	24.30
EDGE(GMSK 1 Tx slot)	31.41	31.47	31.45	32.30	22.41	22.47	22.45	23.30
EDGE(GMSK 2 Tx slots)	28.94	28.90	28.92	30.30	22.94	22.90	22.92	24.30
EDGE(GMSK 3 Tx slots)	26.74	26.69	26.65	27.80	22.48	22.43	22.39	23.54
EDGE(GMSK 4 Tx slots)	26.06	26.04	25.99	27.30	23.06	23.04	22.99	24.30
EDGE 1 Tx slot	25.90	25.87	25.88	26.80	16.90	16.87	16.88	17.80
EDGE 2 Tx slots	22.64	22.65	22.63	23.80	16.64	16.65	16.63	17.80
EDGE 3 Tx slots	20.17	20.10	20.15	21.30	15.91	15.84	15.89	17.04
EDGE 4 Tx slots	19.90	19.84	19.93	20.80	16.90	16.84	16.93	17.80

GSM1900 ANT 1_DSI10	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	22.94	22.93	22.92	23.60	13.94	13.93	13.92	14.60
GSM 1 Tx slot	23.02	23.03	22.93	23.60	14.02	14.03	13.93	14.60
GPRS 1 Tx slot	20.70	20.57	20.47	21.10	14.70	14.57	14.47	15.10
GPRS 2 Tx slots	18.25	18.60	18.23	18.80	13.99	14.34	13.97	14.54
GPRS 3 Tx slots	17.56	17.63	17.62	18.30	14.56	14.63	14.62	15.30
GPRS 4 Tx slots	22.88	23.04	22.81	23.60	13.88	14.04	13.81	14.60
EDGE(GMSK 1 Tx slot)	20.42	20.51	20.23	21.10	14.42	14.51	14.23	15.10
EDGE(GMSK 2 Tx slots)	18.44	18.47	18.23	18.80	14.18	14.21	13.97	14.54
EDGE(GMSK 3 Tx slots)	17.71	17.56	17.89	18.30	14.71	14.56	14.89	15.30
EDGE(GMSK 4 Tx slots)	18.13	17.95	17.76	19.10	9.13	8.95	8.76	10.10
EDGE 1 Tx slot	15.77	15.59	15.46	16.80	9.77	9.59	9.46	10.80
EDGE 2 Tx slots	14.58	14.85	14.66	15.10	10.32	10.59	10.40	10.84
EDGE 3 Tx slots	12.96	12.84	12.96	13.30	9.96	9.84	9.96	10.30
EDGE 4 Tx slots								

Band	WCDMA # ANT 1_DSI10			Tune-up Limit (dBm)	WCDMA # ANT 1_DSI10			Tune-up Limit (dBm)	WCDMA V ANT 1_DSI10			Tune-up Limit (dBm)
	9282	9408	9538		1312	1413	1513		4152	4182	4233	
TX Channel	9682	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	15.13	15.11	15.03	16.10	15.03	15.04	15.04	16.10	21.21	21.21	21.09	22.30
3GPP Rel 99 RMC 12.2Kbps	15.14	15.15	15.04	16.10	15.00	15.05	14.99	16.10	21.20	21.22	21.07	22.30
3GPP Rel 6 HSDPA Subtest-1	14.00	14.07	13.97	15.10	14.30	14.37	14.25	15.10	20.20	20.20	20.08	21.30
3GPP Rel 6 HSDPA Subtest-2	13.98	14.05	13.95	15.10	14.29	14.38	14.19	15.10	20.22	20.18	20.09	21.30
3GPP Rel 6 HSDPA Subtest-3	13.50	13.55	13.51	14.10	13.70	13.75	13.72	14.10	19.73	19.71	19.62	20.80
3GPP Rel 6 HSDPA Subtest-4	13.47	13.53	13.42	14.10	13.73	13.80	13.70	14.10	19.69	19.66	19.58	20.80
3GPP Rel 6 DC-HSDPA Subtest-1	13.97	14.02	13.94	15.10	14.28	14.33	14.24	15.10	20.18	20.18	20.06	21.30
3GPP Rel 6 DC-HSDPA Subtest-2	13.97	14.03	13.94	15.10	14.27	14.35	14.15	15.10	20.19	20.17	20.05	21.30
3GPP Rel 6 DC-HSDPA Subtest-3	13.46	13.54	13.46	14.10	13.66	13.74	13.69	14.10	19.70	19.66	19.57	20.80
3GPP Rel 6 DC-HSDPA Subtest-4	13.45	13.52	13.39	14.10	13.69	13.75	13.65	14.10	19.66	19.65	19.55	20.80
3GPP Rel 6 HSUPA Subtest-1	12.39	12.49	12.41	13.10	12.32	12.40	12.35	13.10	18.63	18.62	18.52	19.30
3GPP Rel 6 HSUPA Subtest-2	10.87	10.96	10.98	12.10	10.87	10.81	10.85	12.10	17.17	17.13	17.02	18.30
3GPP Rel 6 HSUPA Subtest-3	12.01	12.01	11.99	13.10	11.90	11.87	11.92	13.10	18.21	18.17	18.00	19.30
3GPP Rel 6 HSUPA Subtest-4	11.42	11.40	11.43	12.60	11.40	11.35	11.34	12.60	17.69	17.56	17.48	18.80
3GPP Rel 6 HSUPA Subtest-5	13.88	13.85	14.00	15.10	13.92	13.88	13.89	15.10	20.16	20.14	20.00	21.30
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	13.84	13.69	13.92	15.10	13.94	13.86	13.80	15.10	20.13	20.03	19.94	21.30

Conducted Power for DSI 1

GSM850 ANT 1_DSI1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.6	(dBm)	824.2	836.4	848.6	(dBm)
Frequency (MHz)	824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot	32.22	32.43	32.23	33.30	23.22	23.43	23.23	24.30
GPRS 1 Tx slot	32.21	32.41	32.21	33.30	23.21	23.41	23.21	24.30
GPRS 2 Tx slots	30.03	30.12	30.01	31.30	24.03	24.12	24.01	25.30
GPRS 3 Tx slots	27.73	27.85	27.72	28.80	23.47	23.60	23.46	24.54
GPRS 4 Tx slots	27.05	27.14	27.05	28.30	24.05	24.14	24.05	25.30
EDGE(GMSK 1 Tx slot)	32.20	32.38	32.20	33.30	23.20	23.38	23.20	24.30
EDGE(GMSK 2 Tx slots)	30.02	30.11	29.98	31.30	24.02	24.11	23.98	25.30
EDGE(GMSK 3 Tx slots)	27.70	27.85	27.69	28.80	23.44	23.59	23.43	24.54
EDGE(GMSK 4 Tx slots)	27.03	27.10	27.00	28.30	24.03	24.10	24.00	25.30
EDGE 1 Tx slot	26.81	26.72	26.74	27.80	17.81	17.72	17.74	18.80
EDGE 2 Tx slots	23.43	23.36	23.46	24.80	17.43	17.36	17.46	18.80
EDGE 3 Tx slots	20.99	20.95	20.98	22.30	16.73	16.69	16.72	18.04
EDGE 4 Tx slots	20.68	20.58	20.75	21.80	17.68	17.58	17.75	18.80

GSM1900 ANT 1_DSI1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.98	30.06	30.00	30.60	20.98	21.06	21.00	21.60
GPRS 1 Tx slot	29.95	30.05	29.98	30.60	20.95	21.05	20.98	21.60
GPRS 2 Tx slots	27.23	27.31	27.17	28.10	21.23	21.31	21.17	22.10
GPRS 3 Tx slots	25.06	25.16	25.03	25.80	20.80	20.90	20.77	21.54
GPRS 4 Tx slots	24.36	24.37	24.32	25.30	21.36	21.37	21.32	22.30
EDGE(GMSK 1 Tx slot)	29.94	30.00	29.96	30.60	20.94	21.00	20.96	21.60
EDGE(GMSK 2 Tx slots)	27.20	27.28	27.15	28.10	21.20	21.28	21.15	22.10
EDGE(GMSK 3 Tx slots)	25.03	25.12	24.98	25.80	20.77	20.88	20.72	21.54
EDGE(GMSK 4 Tx slots)	24.32	24.33	24.30	25.30	21.32	21.33	21.30	22.30
EDGE 1 Tx slot	25.31	25.37	25.28	26.10	16.31	16.37	16.28	17.10
EDGE 2 Tx slots	22.96	23.04	23.04	23.80	16.96	17.04	17.04	17.80
EDGE 3 Tx slots	21.68	21.62	21.56	22.10	17.42	17.36	17.30	17.84
EDGE 4 Tx slots	19.31	19.32	19.36	20.30	16.31	16.32	16.36	17.30

Band	WCDMA II ANT 1_DSI1			Tune-up Limit (dBm)	WCDMA IV ANT 1_DSI1			Tune-up Limit (dBm)	WCDMA V ANT 1_DSI1			Tune-up Limit (dBm)
	9282	9400	9538		1512	1413	1513		4132	4182	4233	
TX Channel	9682	9800	9938	(dBm)	1537	1638	1738	(dBm)	4357	4407	4458	(dBm)
Rx Channel	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	21.08	21.14	21.04	22.10	20.98	20.99	20.96	22.10	23.73	23.79	23.66	24.80
3GPP Rel 99 RMC 12.2Kbps	21.10	21.15	21.05	22.10	20.99	21.00	20.97	22.10	23.79	23.81	23.68	24.80
3GPP Rel 6 HSDPA Subtest-1	20.13	20.11	20.12	21.10	19.88	19.82	19.79	21.10	22.76	22.71	22.63	23.80
3GPP Rel 6 HSDPA Subtest-2	20.13	20.06	20.07	21.10	19.84	19.81	19.78	21.10	22.75	22.69	22.58	23.80
3GPP Rel 6 HSDPA Subtest-3	19.65	19.61	19.61	20.10	19.38	19.35	19.30	20.10	22.26	22.24	22.12	23.30
3GPP Rel 6 HSDPA Subtest-4	19.60	19.58	19.57	20.10	19.37	19.29	19.28	20.10	22.21	22.20	22.06	23.30
3GPP Rel 6 DC-HSDPA Subtest-1	20.09	20.09	20.11	21.10	19.85	19.79	19.75	21.10	22.75	22.53	22.59	23.80
3GPP Rel 6 DC-HSDPA Subtest-2	20.10	20.01	20.05	21.10	19.79	19.79	19.73	21.10	22.86	22.53	22.48	23.80
3GPP Rel 6 DC-HSDPA Subtest-3	19.62	19.56	19.57	20.10	19.33	19.33	19.29	20.10	22.19	22.15	22.05	23.30
3GPP Rel 6 DC-HSDPA Subtest-4	19.58	19.53	19.56	20.10	19.32	19.25	19.26	20.10	22.15	22.01	21.86	23.30
3GPP Rel 6 HSUPA Subtest-1	18.33	18.45	18.43	19.10	18.29	18.33	18.32	19.10	21.19	21.15	21.05	21.80
3GPP Rel 6 HSUPA Subtest-2	16.96	16.97	16.92	18.10	16.86	16.78	16.83	18.10	19.65	19.65	19.51	20.80
3GPP Rel 6 HSUPA Subtest-3	17.96	17.90	17.94	19.10	17.86	17.78	17.88	19.10	20.73	20.67	20.54	21.80
3GPP Rel 6 HSUPA Subtest-4	17.49	17.40	17.40	18.60	17.31	17.41	17.35	18.60	20.18	20.12	20.03	21.30
3GPP Rel 6 HSUPA Subtest-5	19.82	19.89	19.92	21.10	19.89	19.82	19.82	21.10	22.70	22.70	22.50	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	19.76	19.84	19.83	21.10	19.74	19.78	19.71	21.10	22.31	22.37	22.28	23.80



Band 66 ANT 1_DSI1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	20.34	20.45	20.18	21.3	0	
20	QPSK	1	49	20.43	20.46	20.40			
20	QPSK	1	99	20.26	20.28	20.32			
20	QPSK	50	0	20.35	20.43	20.19			
20	QPSK	50	24	20.37	20.41	20.29	21.3	0	
20	QPSK	50	50	20.16	20.38	20.26			
20	QPSK	100	0	20.27	20.41	20.28			
20	16QAM	1	0	20.36	20.30	20.27			
20	16QAM	1	49	20.38	20.31	20.40	21.3	0	
20	16QAM	1	99	20.21	20.40	20.20			
20	16QAM	50	0	20.34	20.36	20.38			
20	16QAM	50	24	20.34	20.43	20.38			
20	16QAM	50	50	20.25	20.43	20.29	21.3	0	
20	16QAM	100	0	20.36	20.38	20.35			
20	64QAM	1	0	20.29	20.27	20.40			
20	64QAM	1	49	20.30	20.36	20.27			
20	64QAM	1	99	20.10	20.22	20.12	21.3	0	
20	64QAM	50	0	20.32	20.28	20.26			
20	64QAM	50	24	20.31	20.41	20.38			
20	64QAM	50	50	20.29	20.35	20.25			
20	64QAM	100	0	20.30	20.33	20.21	21.3	0	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	20.40	20.35	20.31	21.3	0	
15	QPSK	1	37	20.32	20.45	20.38			
15	QPSK	1	74	20.14	20.19	20.15			
15	QPSK	36	0	20.39	20.23	20.36			
15	QPSK	36	20	20.38	20.34	20.28	21.3	0	
15	QPSK	36	39	20.34	20.27	20.37			
15	QPSK	75	0	20.38	20.38	20.26			
15	16QAM	1	0	20.19	20.20	20.22			
15	16QAM	1	37	20.26	20.15	20.15	21.3	0	
15	16QAM	1	74	20.20	20.31	20.36			
15	16QAM	36	0	20.29	20.35	20.26			
15	16QAM	36	20	20.34	20.30	20.40			
15	16QAM	36	39	20.37	20.38	20.36	21.3	0	
15	16QAM	75	0	20.36	20.34	20.26			
15	64QAM	1	0	20.12	20.10	20.16			
15	64QAM	1	37	20.27	20.33	20.21			
15	64QAM	1	74	20.04	20.15	20.12	21.3	0	
15	64QAM	36	0	20.21	20.27	20.27			
15	64QAM	36	20	20.24	20.27	20.28			
15	64QAM	36	39	20.15	20.21	20.21			
15	64QAM	75	0	20.22	20.13	20.21	21.3	0	
Channel				132022	132322	132597			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	20.35	20.27	20.42	21.3	0	
10	QPSK	1	25	20.44	20.34	20.43			
10	QPSK	1	49	20.16	20.20	20.11			
10	QPSK	25	0	20.37	20.30	20.27			
10	QPSK	25	12	20.29	20.26	20.37	21.3	0	
10	QPSK	25	25	20.27	20.20	20.31			
10	QPSK	50	0	20.24	20.24	20.39			
10	16QAM	1	0	20.25	20.24	20.13			
10	16QAM	1	25	20.26	20.29	20.11	21.3	0	
10	16QAM	1	49	20.35	20.39	20.29			
10	16QAM	25	0	20.28	20.30	20.33			
10	16QAM	25	12	20.26	20.29	20.29			
10	16QAM	25	25	20.40	20.34	20.38	21.3	0	
10	16QAM	50	0	20.31	20.37	20.21			
10	64QAM	1	0	20.11	20.17	20.20			
10	64QAM	1	25	20.27	20.33	20.33			
10	64QAM	1	49	20.07	20.12	20.11	21.3	0	
10	64QAM	25	0	20.11	20.16	20.26			
10	64QAM	25	12	20.32	20.40	20.39			
10	64QAM	25	25	20.18	20.28	20.19			
10	64QAM	50	0	20.23	20.23	20.16	21.3	0	
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	20.27	20.36	20.27	21.3	0	
5	QPSK	1	12	20.39	20.41	20.26			
5	QPSK	1	24	20.22	20.13	20.16			
5	QPSK	12	0	20.31	20.36	20.30			
5	QPSK	12	7	20.35	20.35	20.36	21.3	0	
5	QPSK	12	13	20.34	20.27	20.30			
5	QPSK	25	0	20.30	20.28	20.23			
5	16QAM	1	0	20.19	20.14	20.27			
5	16QAM	1	12	20.14	20.30	20.15	21.3	0	
5	16QAM	1	24	20.37	20.24	20.25			
5	16QAM	12	0	20.29	20.18	20.35			
5	16QAM	12	7	20.23	20.25	20.42			
5	16QAM	12	13	20.30	20.24	20.35	21.3	0	
5	16QAM	25	0	20.32	20.23	20.30			
5	64QAM	1	0	20.15	20.25	20.26			
5	64QAM	1	12	20.35	20.29	20.35			
5	64QAM	1	24	20.17	20.06	20.02	21.3	0	
5	64QAM	12	0	20.15	20.21	20.08			
5	64QAM	12	7	20.40	20.39	20.38			
5	64QAM	12	13	20.17	20.20	20.24			
5	64QAM	25	0	20.19	20.14	20.26	21.3	0	
Channel				131987	132322	132597			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	20.42	20.30	20.33	21.3	0	
3	QPSK	1	8	20.45	20.43	20.29			
3	QPSK	1	14	20.18	20.15	20.27			
3	QPSK	8	0	20.40	20.34	20.42			
3	QPSK	8	4	20.40	20.22	20.38	21.3	0	
3	QPSK	8	7	20.37	20.24	20.37			
3	QPSK	15	0	20.29	20.32	20.30			
3	16QAM	1	0	20.11	20.28	20.13			
3	16QAM	1	8	20.28	20.19	20.30	21.3	0	
3	16QAM	1	14	20.33	20.36	20.38			
3	16QAM	8	0	20.34	20.27	20.38			
3	16QAM	8	7	20.26	20.30	20.25			
3	16QAM	15	0	20.35	20.32	20.32	21.3	0	
3	64QAM	1	0	20.13	20.21	20.16			
3	64QAM	1	8	20.22	20.21	20.33			
3	64QAM	1	14	20.21	20.18	20.21			
3	64QAM	8	4	20.32	20.21	20.37	21.3	0	
3	64QAM	8	7	20.15	20.26	20.26			
3	64QAM	15	0	20.14	20.19	20.21			
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	20.43	20.26	20.44	21.3	0	
1.4	QPSK	1	3	20.30	20.43	20.37			
1.4	QPSK	1	5	20.27	20.14	20.22			
1.4	QPSK	3	0	20.40	20.33	20.25			
1.4	QPSK	3	1	20.40	20.34	20.34	21.3	0	
1.4	QPSK	3	3	20.19	20.30	20.37			
1.4	QPSK	6	0	20.39	20.34	20.37			
1.4	16QAM	1	0	20.27	20.29	20.19			
1.4	16QAM	1	3	20.20	20.19	20.28	21.3	0	
1.4	16QAM	1	5	20.21	20.20	20.30			
1.4	16QAM	3	0	20.35	20.18	20.23			
1.4	16QAM	3	1	20.31	20.37	20.36			
1.4	16QAM	3	3	20.39	20.24	20.24	21.3	0	
1.4	16QAM	6	0	20.28	20.33	20.31			
1.4	64QAM	1	0	20.07	20.22	20.20			
1.4	64QAM	1	3	20.32	20.28	20.23			
1.4	64QAM	1	5	20.19	20.16	20.10	21.3	0	
1.4	64QAM	3	0	20.13	20.26	20.08			
1.4	64QAM	3	1	20.37	20.20	20.33			
1.4	64QAM	3	3	20.33	20.26	20.21			
1.4	64QAM	6	0	20.21	20.19	20.30	21.3	0	

Conducted Power for DS16

GSM850 ANT 1_DS16	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.22	32.43	32.23	33.30	23.22	23.43	23.23	24.30
GPRS 1 Tx slot	32.21	32.41	32.21	33.30	23.21	23.41	23.21	24.30
GPRS 2 Tx slots	30.03	30.12	30.01	31.30	24.03	24.12	24.01	25.30
GPRS 3 Tx slots	27.73	27.85	27.72	28.80	23.47	23.60	23.46	24.54
GPRS 4 Tx slots	27.05	27.14	27.05	28.30	24.05	24.14	24.05	25.30
EDGE(GMSK 1 Tx slot)	32.20	32.38	32.20	33.30	23.20	23.38	23.20	24.30
EDGE(GMSK 2 Tx slots)	30.02	30.11	29.98	31.30	24.02	24.11	23.98	25.30
EDGE(GMSK 3 Tx slots)	27.70	27.85	27.69	28.80	23.44	23.59	23.43	24.54
EDGE(GMSK 4 Tx slots)	27.03	27.10	27.00	28.30	24.03	24.10	24.00	25.30
EDGE 1 Tx slot	26.81	26.72	26.74	27.80	17.81	17.72	17.74	18.80
EDGE 2 Tx slots	23.43	23.36	23.46	24.80	17.43	17.36	17.46	18.80
EDGE 3 Tx slots	20.99	20.95	20.98	22.30	16.73	16.69	16.72	18.04
EDGE 4 Tx slots	20.68	20.58	20.75	21.80	17.68	17.58	17.75	18.80

GSM1900 ANT 1_DS16	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.10	29.10	29.06	29.60	20.10	20.10	20.06	20.60
GPRS 1 Tx slot	29.06	29.12	29.06	29.60	20.06	20.12	20.06	20.60
GPRS 2 Tx slots	26.27	26.46	26.25	27.10	20.27	20.46	20.25	21.10
GPRS 3 Tx slots	24.11	24.24	24.11	24.80	19.85	19.98	19.85	20.54
GPRS 4 Tx slots	23.39	23.51	23.29	24.30	20.39	20.51	20.29	21.30
EDGE(GMSK 1 Tx slot)	28.98	29.12	28.98	29.60	19.98	20.12	20.08	20.60
EDGE(GMSK 2 Tx slots)	26.29	26.34	26.19	27.10	20.29	20.34	20.19	21.10
EDGE(GMSK 3 Tx slots)	24.14	24.16	24.08	24.80	19.88	19.90	19.82	20.54
EDGE(GMSK 4 Tx slots)	23.39	23.44	23.38	24.30	20.39	20.44	20.38	21.30
EDGE 1 Tx slot	24.29	24.33	24.22	25.10	15.29	15.33	15.22	16.10
EDGE 2 Tx slots	21.92	22.01	22.00	22.80	15.92	16.01	16.00	16.80
EDGE 3 Tx slots	20.51	20.57	20.58	21.10	16.25	16.31	16.32	16.84
EDGE 4 Tx slots	18.33	18.26	18.34	19.30	15.33	15.26	15.34	16.30

Band	WCDMA II ANT 1_DS16			Tune-up Limit (dBm)	WCDMA IV ANT 1_DS16			Tune-up Limit (dBm)	WCDMA V ANT 1_DS16			Tune-up Limit (dBm)
	9282	9400	9538		1512	1413	1513		4132	4182	4233	
TX Channel	9682	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps	18.57	18.58	18.50	19.60	19.96	19.98	19.92	21.10	23.73	23.79	23.66	24.80
3GPP Rel 99 RMC 12.2Kbps	18.58	18.61	18.51	19.60	19.97	20.00	19.93	21.10	23.79	23.81	23.68	24.80
3GPP Rel 6 HSDPA Subtest-1	17.59	17.54	17.59	18.60	18.86	18.83	18.79	20.10	22.76	22.71	22.63	23.80
3GPP Rel 6 HSDPA Subtest-2	17.57	17.55	17.55	18.60	18.86	18.82	18.76	20.10	22.75	22.69	22.58	23.80
3GPP Rel 6 HSDPA Subtest-3	17.09	17.07	17.06	17.60	18.38	18.34	18.27	19.10	22.26	22.24	22.12	23.30
3GPP Rel 6 HSDPA Subtest-4	17.07	17.04	17.06	17.60	18.33	18.29	18.23	19.10	22.21	22.20	22.06	23.30
3GPP Rel 6 DC-HSDPA Subtest-1	17.54	17.52	17.54	18.60	18.81	18.80	18.76	20.10	22.75	22.53	22.59	23.80
3GPP Rel 6 DC-HSDPA Subtest-2	17.52	17.53	17.53	18.60	18.82	18.79	18.71	20.10	22.86	22.53	22.48	23.80
3GPP Rel 6 DC-HSDPA Subtest-3	17.04	17.03	17.01	17.60	18.37	18.29	18.22	19.10	22.19	22.15	22.05	23.30
3GPP Rel 6 DC-HSDPA Subtest-4	17.03	17.01	17.02	17.60	18.31	18.25	18.22	19.10	22.15	22.01	21.86	23.30
3GPP Rel 6 HSUPA Subtest-1	15.88	15.91	15.93	16.60	17.35	17.38	17.38	18.10	21.19	21.15	21.05	21.80
3GPP Rel 6 HSUPA Subtest-2	14.40	14.41	14.44	15.60	15.92	15.82	15.87	17.10	19.65	19.65	19.51	20.80
3GPP Rel 6 HSUPA Subtest-3	15.52	15.49	15.50	16.60	16.89	16.81	16.90	18.10	20.73	20.67	20.54	21.80
3GPP Rel 6 HSUPA Subtest-4	14.99	14.93	14.98	16.10	16.37	16.39	16.37	17.60	20.18	20.12	20.03	21.30
3GPP Rel 6 HSUPA Subtest-5	17.35	17.36	17.50	18.60	18.87	18.86	18.84	20.10	22.70	22.70	22.50	23.80
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	17.19	17.32	17.49	18.60	18.85	18.78	18.75	20.10	22.31	22.37	22.28	23.80



Band 13 ANT 1_DSI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dbm)	MPR (db)	
Channel				23230					
Frequency (MHz)				782					
10	QPSK	1	0		23.40		24.3	0	
10	QPSK	1	25		23.41				
10	QPSK	1	49		23.36				
10	QPSK	25	0		22.35		23.3	1	
10	QPSK	25	12		22.33				
10	QPSK	25	25		22.32				
10	QPSK	50	0		22.39		23.3	1	
10	16QAM	1	0		22.68				
10	16QAM	1	25		22.73				
10	16QAM	1	49		22.75		23.3	1	
10	16QAM	25	0		21.20				
10	16QAM	25	12		21.36				
10	16QAM	25	25		21.46		22.3	2	
10	16QAM	50	0		21.36				
10	64QAM	1	0		21.48				
10	64QAM	1	25		21.55		22.3	2	
10	64QAM	1	49		21.54				
10	64QAM	25	0		20.21				
10	64QAM	25	12		20.36		21.3	3	
10	64QAM	25	25		20.43				
10	64QAM	50	0		20.32				
Channel				23205	23230	23255	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.35	23.37	23.36	24.3	0	
5	QPSK	1	12	23.31	23.37	23.38			
5	QPSK	1	24	23.32	23.36	23.39			
5	QPSK	12	0	22.31	22.32	22.43	23.3	1	
5	QPSK	12	7	22.38	22.37	22.35			
5	QPSK	12	13	22.39	22.33	22.49			
5	QPSK	25	0	22.35	22.35	22.40	23.3	1	
5	16QAM	1	0	22.75	22.71	22.62			
5	16QAM	1	12	22.75	22.72	22.77			
5	16QAM	1	24	22.73	22.76	22.63	23.3	1	
5	16QAM	12	0	21.29	21.32	21.38			
5	16QAM	12	7	21.38	21.35	21.36			
5	16QAM	12	13	21.39	21.32	21.43	22.3	2	
5	16QAM	25	0	21.37	21.35	21.38			
5	64QAM	1	0	21.60	21.58	21.55			
5	64QAM	1	12	21.65	21.57	21.62	22.3	2	
5	64QAM	1	24	21.51	21.53	21.55			
5	64QAM	12	0	20.31	20.33	20.44			
5	64QAM	12	7	20.40	20.38	20.37	21.3	3	
5	64QAM	12	13	20.42	20.34	20.47			
5	64QAM	25	0	20.35	20.36	20.35			

Band 17 ANT 1_DSI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				23760	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.70	23.74	23.69	24.8	0	
10	QPSK	1	25	23.80	23.89	23.75			
10	QPSK	1	49	23.79	23.83	23.75			
10	QPSK	25	0	22.77	22.87	22.74	23.8	1	
10	QPSK	25	12	22.74	22.84	22.77			
10	QPSK	25	25	22.78	22.82	22.75			
10	QPSK	50	0	22.78	22.86	22.77	23.8	1	
10	16QAM	1	0	22.97	23.13	22.91			
10	16QAM	1	25	23.03	23.25	23.04			
10	16QAM	1	49	23.03	23.27	23.08	22.8	2	
10	16QAM	25	0	21.77	21.88	21.77			
10	16QAM	25	12	21.75	21.87	21.73			
10	16QAM	25	25	21.76	21.83	21.74	22.8	2	
10	16QAM	50	0	21.76	21.82	21.73			
10	64QAM	1	0	21.75	21.89	21.79			
10	64QAM	1	25	21.88	22.09	21.92	22.8	2	
10	64QAM	1	49	21.89	22.00	21.92			
10	64QAM	25	0	20.72	20.83	20.74			
10	64QAM	25	12	20.72	20.82	20.70	21.8	3	
10	64QAM	25	25	20.70	20.81	20.73			
10	64QAM	50	0	20.75	20.82	20.74			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.69	23.76	23.68	24.8	0	
5	QPSK	1	12	23.77	23.77	23.75			
5	QPSK	1	24	23.80	23.75	23.77			
5	QPSK	12	0	22.75	22.76	22.73	23.8	1	
5	QPSK	12	7	22.75	22.72	22.75			
5	QPSK	12	13	22.77	22.69	22.69			
5	QPSK	25	0	22.74	22.73	22.73	23.8	1	
5	16QAM	1	0	23.10	23.10	23.06			
5	16QAM	1	12	23.11	23.12	23.03			
5	16QAM	1	24	23.16	23.09	23.11	22.8	2	
5	16QAM	12	0	21.74	21.74	21.72			
5	16QAM	12	7	21.73	21.73	21.70			
5	16QAM	12	13	21.76	21.68	21.66	22.8	2	
5	16QAM	25	0	21.74	21.75	21.77			
5	64QAM	1	0	21.87	21.93	21.91			
5	64QAM	1	12	21.94	21.95	21.92	22.8	2	
5	64QAM	1	24	21.97	21.88	21.88			
5	64QAM	12	0	20.77	20.77	20.72			
5	64QAM	12	7	20.78	20.70	20.73	21.8	3	
5	64QAM	12	13	20.74	20.68	20.69			
5	64QAM	25	0	20.74	20.72	20.70			



Band 66 Ant 1_DS16											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. /	Power Middle Ch. /	Power High Ch. /	Tune-up limit (dbm)	MPR (dB)			
Channel				132072	132322	132572					
Frequency (MHz)				1723	1745	1767					
20	QPSK	1	0	15.45	15.52	15.43	16.8	0			
20	QPSK	1	49	15.66	15.80	15.71					
20	QPSK	1	99	15.54	15.58	15.49					
20	QPSK	50	0	15.62	15.71	15.62					
20	QPSK	50	24	15.62	15.66	15.64					
20	QPSK	50	50	15.66	15.70	15.61	16.8	0			
20	QPSK	100	0	15.67	15.73	15.63					
20	16QAM	1	0	15.53	15.55	15.53					
20	16QAM	1	49	15.72	15.74	15.67					
20	16QAM	1	99	15.64	15.64	15.64					
20	16QAM	50	0	15.65	15.65	15.60	16.8	0			
20	16QAM	50	24	15.55	15.63	15.50					
20	16QAM	50	50	15.58	15.65	15.58					
20	16QAM	100	0	15.62	15.68	15.58					
20	64QAM	1	0	15.48	15.51	15.41					
20	64QAM	1	49	15.65	15.69	15.68	16.8	0			
20	64QAM	1	99	15.59	15.61	15.59					
20	64QAM	50	0	15.59	15.66	15.59					
20	64QAM	50	24	15.55	15.65	15.59					
20	64QAM	50	50	15.65	15.66	15.57					
20	64QAM	100	0	15.64	15.67	15.59	16.8	0			
Channel				132047	132322	132597					
Frequency (MHz)				1717.5	1745	1772.5					
15	QPSK	1	0	15.34	15.45	15.32	16.8	0			
15	QPSK	1	37	15.46	15.65	15.61					
15	QPSK	1	74	15.34	15.57	15.33					
15	QPSK	36	0	15.48	15.52	15.57					
15	QPSK	36	20	15.47	15.65	15.47					
15	QPSK	36	39	15.46	15.60	15.51	16.8	0			
15	QPSK	75	0	15.60	15.58	15.48					
15	16QAM	1	0	15.45	15.47	15.47					
15	16QAM	1	37	15.65	15.56	15.64					
15	16QAM	1	74	15.58	15.44	15.54					
15	16QAM	36	0	15.63	15.46	15.53	16.8	0			
15	16QAM	36	20	15.35	15.48	15.59					
15	16QAM	36	39	15.54	15.54	15.40					
15	16QAM	75	0	15.53	15.50	15.43					
15	64QAM	1	0	15.28	15.41	15.36	16.8	0			
15	64QAM	1	37	15.53	15.67	15.56					
15	64QAM	1	74	15.53	15.55	15.51					
15	64QAM	36	0	15.46	15.61	15.42					
15	64QAM	36	20	15.37	15.54	15.55					
15	64QAM	36	39	15.54	15.60	15.45	16.8	0			
15	64QAM	75	0	15.44	15.62	15.40					
Channel				132022	132322	132622					
Frequency (MHz)				1715	1745	1775					
10	QPSK	1	0	15.37	15.42	15.36	16.8	0			
10	QPSK	1	25	15.46	15.56	15.60					
10	QPSK	1	49	15.42	15.47	15.39					
10	QPSK	25	0	15.54	15.60	15.42					
10	QPSK	25	12	15.50	15.54	15.56					
10	QPSK	25	25	15.61	15.62	15.46	16.8	0			
10	QPSK	50	0	15.51	15.71	15.54					
10	16QAM	1	0	15.48	15.41	15.48					
10	16QAM	1	25	15.70	15.68	15.53					
10	16QAM	1	49	15.61	15.49	15.49					
10	16QAM	25	0	15.64	15.53	15.44	16.8	0			
10	16QAM	25	12	15.50	15.51	15.49					
10	16QAM	25	25	15.43	15.50	15.44					
10	16QAM	50	0	15.53	15.67	15.51					
10	64QAM	1	0	15.34	15.33	15.29					
10	64QAM	1	25	15.57	15.59	15.57	16.8	0			
10	64QAM	1	49	15.41	15.48	15.47					
10	64QAM	25	0	15.46	15.63	15.40					
10	64QAM	25	12	15.51	15.48	15.52					
10	64QAM	25	25	15.49	15.64	15.40					
10	64QAM	50	0	15.52	15.54	15.40	16.8	0			
Channel				131997	132322	132647					
Frequency (MHz)				1712.5	1745	1777.5					
5	QPSK	1	0	15.43	15.41	15.35	16.8	0			
5	QPSK	1	12	15.52	15.62	15.61					
5	QPSK	1	24	15.45	15.47	15.47					
5	QPSK	12	0	15.56	15.69	15.61					
5	QPSK	12	7	15.45	15.49	15.51					
5	QPSK	12	13	15.64	15.56	15.48	16.8	0			
5	QPSK	25	0	15.51	15.60	15.51					
5	16QAM	1	0	15.52	15.50	15.33					
5	16QAM	1	12	15.54	15.54	15.56					
5	16QAM	1	24	15.51	15.54	15.59					
5	16QAM	12	0	15.63	15.47	15.45	16.8	0			
5	16QAM	12	7	15.45	15.59	15.58					
5	16QAM	12	13	15.41	15.54	15.46					
5	16QAM	25	0	15.55	15.58	15.39					
5	64QAM	1	0	15.30	15.45	15.22	16.8	0			
5	64QAM	1	12	15.49	15.49	15.53					
5	64QAM	1	24	15.48	15.43	15.57					
5	64QAM	12	0	15.39	15.56	15.40					
5	64QAM	12	7	15.52	15.61	15.49					
5	64QAM	12	13	15.57	15.63	15.38	16.8	0			
5	64QAM	25	0	15.59	15.58	15.42					
Channel				131987	132322	132657					
Frequency (MHz)				1711.5	1745	1779.5					
3	QPSK	1	0	15.38	15.45	15.25	16.8	0			
3	QPSK	1	8	15.51	15.68	15.52					
3	QPSK	1	14	15.35	15.49	15.34					
3	QPSK	8	0	15.55	15.51	15.50					
3	QPSK	8	4	15.54	15.57	15.46					
3	QPSK	8	7	15.47	15.53	15.47	16.8	0			
3	QPSK	15	0	15.66	15.55	15.50					
3	16QAM	1	0	15.52	15.35	15.48					
3	16QAM	1	8	15.70	15.57	15.52					
3	16QAM	1	14	15.45	15.59	15.47					
3	16QAM	8	0	15.60	15.56	15.46	16.8	0			
3	16QAM	8	4	15.42	15.46	15.46					
3	16QAM	8	7	15.46	15.55	15.54					
3	16QAM	15	0	15.46	15.60	15.53					
3	64QAM	1	0	15.34	15.41	15.37					
3	64QAM	1	8	15.59	15.65	15.63	16.8	0			
3	64QAM	1	14	15.51	15.41	15.41					
3	64QAM	8	0	15.46	15.47	15.53					
3	64QAM	8	4	15.43	15.53	15.42					
3	64QAM	8	7	15.45	15.64	15.41					
3	64QAM	15	0	15.63	15.49	15.54	16.8	0			
Channel				131979	132322	132665					
Frequency (MHz)				1710.7	1745	1779.3					
1.4	QPSK	1	0	15.30	15.40	15.32	16.8	0			
1.4	QPSK	1	3	15.57	15.57	15.69					
1.4	QPSK	1	5	15.47	15.56	15.32					
1.4	QPSK	3	0	15.42	15.58	15.53					
1.4	QPSK	3	1	15.49	15.52	15.59					
1.4	QPSK	3	3	15.61	15.57	15.45	16.8	0			
1.4	QPSK	6	0	15.59	15.56	15.60					
1.4	16QAM	1	0	15.34	15.54	15.40					
1.4	16QAM	1	3	15.71	15.66	15.48					
1.4	16QAM	1	5	15.61	15.54	15.46					
1.4	16QAM	3	0	15.62	15.46	15.41	16.8	0			
1.4	16QAM	3	1	15.43	15.53	15.55					
1.4	16QAM	3	3	15.46	15.54	15.57					
1.4	64QAM	1									

n2_Ant 0_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	378000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0	
20	PI/2 BPSK	1	53	23.59	23.66	23.54			
20	PI/2 BPSK	1	104	23.54	23.55	23.42			
20	PI/2 BPSK	50	0	23.61	23.61	23.52	24.2	0.5	
20	PI/2 BPSK	50	28	23.63	23.64	23.60	24.7	0.0	
20	PI/2 BPSK	50	56	23.62	23.62	23.49	24.2	0.5	
20	PI/2 BPSK	100	0	23.60	23.63	23.52			
20	QPSK	1	1	23.48	23.52	23.42			
20	QPSK	1	53	23.57	23.61	23.52	24.7	0.0	
20	QPSK	1	104	23.48	23.52	23.39			
20	QPSK	50	0	23.09	23.06	23.01	23.7	1.0	
20	QPSK	50	28	23.61	23.63	23.61	24.7	0.0	
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.15	22.99			
20	16QAM	1	1	22.74	22.78	22.64			
20	64QAM	1	1	21.28	21.31	21.18	22.2	2.5	
20	256QAM	1	1	19.84	19.86	19.76	20.2	4.5	
Channel									
Frequency (MHz)									
15	PI/2 BPSK	1	1	23.45	23.54	23.39	24.7	0.0	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1	23.48	23.52	23.39	24.7	0.0	
Channel									
Frequency (MHz)									
5	PI/2 BPSK	1	1	23.45	23.52	23.38	24.7	0.0	

n2_Ant 1_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
				372000 1860	378000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	23.27	23.28	23.18	24.7	0.0	
20	PI/2 BPSK	1	53	23.33	23.49	23.32			
20	PI/2 BPSK	1	104	23.35	23.33	23.23			
20	PI/2 BPSK	50	0	23.42	23.36	23.34	24.2	0.5	
20	PI/2 BPSK	50	28	23.44	23.45	23.36	24.7	0.0	
20	PI/2 BPSK	50	56	23.34	23.40	23.35	24.2	0.5	
20	PI/2 BPSK	100	0	23.37	23.42	23.34			
20	QPSK	1	1	23.23	23.32	23.18			
20	QPSK	1	53	23.30	23.36	23.32	24.7	0.0	
20	QPSK	1	104	23.28	23.31	23.17			
20	QPSK	50	0	22.89	22.84	22.84	23.7	1.0	
20	QPSK	50	28	23.33	23.46	23.38	24.7	0.0	
20	QPSK	50	56	22.86	22.89	22.85	23.7	1.0	
20	QPSK	100	0	22.84	22.93	22.86			
20	16QAM	1	1	22.46	22.58	22.40			
20	64QAM	1	1	20.98	21.07	20.97	22.2	2.5	
20	256QAM	1	1	19.56	19.65	19.49	20.2	4.5	
Channel									
Frequency (MHz)									
15	PI/2 BPSK	1	1	23.20	23.22	23.17	24.7	0.0	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1	23.22	23.23	23.16	24.7	0.0	
Channel									
Frequency (MHz)									
5	PI/2 BPSK	1	1	23.24	23.23	23.13	24.7	0.0	

n2_Ant 4_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	376000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	21.66	21.72	21.63	22.7	0.0	
20	PI/2 BPSK	1	53	21.73	21.75	21.69			
20	PI/2 BPSK	1	104	21.63	21.68	21.67			
20	PI/2 BPSK	50	0	21.43	21.52	21.49	22.2	0.5	
20	PI/2 BPSK	50	28	21.60	21.69	21.62	22.7	0.0	
20	PI/2 BPSK	50	56	21.43	21.47	21.44	22.2	0.5	
20	PI/2 BPSK	100	0	21.49	21.50	21.45			
20	QPSK	1	1	21.42	21.51	21.42			
20	QPSK	1	53	21.34	21.44	21.41	22.7	0.0	
20	QPSK	1	104	21.39	21.43	21.42	21.7	1.0	
20	QPSK	50	0	20.99	21.00	20.90			
20	QPSK	50	28	21.57	21.60	21.60			
20	QPSK	50	56	21.00	21.05	21.01	22.7	0.0	
20	QPSK	100	0	21.08	21.10	21.08	21.7	1.0	
20	16QAM	1	1	20.79	20.80	20.73			
20	64QAM	1	1	18.95	18.95	18.86			
20	256QAM	1	1	17.09	17.17	17.16	18.2	4.5	
Channel									
Frequency (MHz)									
15	PI/2 BPSK	1	1	21.62	21.69	21.62	22.7	0.0	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1	21.59	21.70	21.58	22.7	0.0	
Channel									
Frequency (MHz)									
5	PI/2 BPSK	1	1	21.63	21.71	21.57	22.7	0.0	

n25_Ant 0_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Turn-up limit (dbm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				374000	376500	379000			
Frequency (Mhz)				1870	1882.5	1895			
40	PV2 BPSK	1	1	23.16	23.23	23.16	24.7	0.0	
40	PV2 BPSK	1	108	23.68	23.77	23.68			
40	PV2 BPSK	1	214	23.15	23.25	23.25			
40	PV2 BPSK	108	0	23.07	23.16	23.06	24.2	0.5	
40	PV2 BPSK	108	54	23.71	23.74	23.69	24.7	0.0	
40	PV2 BPSK	108	108	23.08	23.12	23.09	24.2	0.5	
40	PV2 BPSK	216	0	23.14	23.15	23.10	24.7	0.0	
40	QPSK	1	1	23.01	23.11	23.04			
40	QPSK	1	108	23.54	23.60	23.55			
40	QPSK	1	214	23.05	23.10	23.10	23.7	1.0	
40	QPSK	108	0	22.85	22.86	22.86			
40	QPSK	108	54	23.68	23.72	23.64			
40	QPSK	108	108	22.56	22.64	22.55	23.7	1.0	
40	QPSK	216	0	22.57	22.60	22.58	23.7	1.0	
40	16QAM	1	1	21.89	21.97	21.96			
40	64QAM	1	1	20.49	20.50	20.42			
40	256QAM	1	1	18.90	19.00	18.92	20.2	4.5	
Channel				373000	376500	380000	turn-up limit (dBm)	MPR	
Frequency (Mhz)				1865	1882.5	1900	limit (dBm)	(dB)	
30	PV2 BPSK	1	1	23.10	23.15	23.06	24.7	0.0	
Channel				372500	376500	380500	turn-up limit (dBm)	MPR	
Frequency (Mhz)				1862.5	1882.5	1902.5	limit (dBm)	(dB)	
25	PV2 BPSK	1	1	23.06	23.16	23.11	24.7	0.0	
Channel				372000	376500	381000	turn-up limit (dBm)	MPR	
Frequency (Mhz)				1860	1882.5	1905	limit (dBm)	(dB)	
20	PV2 BPSK	1	1	23.15	23.15	23.13	24.7	0.0	
Channel				371500	376500	381500	turn-up limit (dBm)	MPR	
Frequency (Mhz)				1857.5	1882.5	1897.5	limit (dBm)	(dB)	
15	PV2 BPSK	1	1	23.07	23.23	23.16	24.7	0.0	
Channel				371000	376500	382000	turn-up limit (dBm)	MPR	
Frequency (Mhz)				1855	1882.5	1910	limit (dBm)	(dB)	
10	PV2 BPSK	1	1	23.09	23.20	23.07	24.7	0.0	
Channel				370500	376500	382500	turn-up limit (dBm)	MPR	
Frequency (Mhz)				1852.5	1882.5	1912.5	limit (dBm)	(dB)	
5	PV2 BPSK	1	1	23.06	23.19	23.11	24.7	0.0	

n25_Ant 1_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PV2 BPSK	1	1	23.18	23.30	23.23	24.7	0.0	
40	PV2 BPSK	1	108	23.74	23.96	23.86			
40	PV2 BPSK	1	214	23.25	23.32	23.25			
40	PV2 BPSK	108	0	23.21	23.19	23.25	24.2	0.5	
40	PV2 BPSK	108	54	23.78	23.83	23.81	24.7	0.0	
40	PV2 BPSK	108	108	23.25	23.15	23.24	24.2	0.5	
40	PV2 BPSK	216	0	23.24	23.26	23.21			
40	QPSK	1	1	23.15	23.25	23.24			
40	QPSK	1	108	23.78	23.78	23.83	24.7	0.0	
40	QPSK	1	214	23.22	23.26	23.32			
40	QPSK	108	0	22.67	22.63	22.73			
40	QPSK	108	54	23.74	23.80	23.78	24.7	0.0	
40	QPSK	108	108	22.71	22.62	22.71	23.7	1.0	
40	QPSK	216	0	22.68	22.58	22.72			
40	16QAM	1	1	21.88	21.96	21.96			
40	64QAM	1	1	20.43	20.55	20.55	22.2	2.5	
40	256QAM	1	1	19.04	19.15	19.12	20.2	4.5	
Channel				373000	376500	380000	turn-up limit (dBm)	MPR	
Frequency (MHz)				1865	1882.5	1900		(dB)	
30	PV2 BPSK	1	1	23.12	23.24	23.19	24.7	0.0	
Channel				372500	376500	380500	turn-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1882.5	1902.5		(dB)	
25	PV2 BPSK	1	1	23.14	23.27	23.21	24.7	0.0	
Channel				372000	376500	381000	turn-up limit (dBm)	MPR	
Frequency (MHz)				1860	1882.5	1905		(dB)	
20	PV2 BPSK	1	1	23.15	23.24	23.22	24.7	0.0	
Channel				371500	376500	381500	turn-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1882.5	1907.5		(dB)	
15	PV2 BPSK	1	1	23.16	23.28	23.16	24.7	0.0	
Channel				371000	376500	382000	turn-up limit (dBm)	MPR	
Frequency (MHz)				1855	1882.5	1910		(dB)	
10	PV2 BPSK	1	1	23.17	23.26	23.22	24.7	0.0	
Channel				370500	376500	382500	turn-up limit (dBm)	MPR	
Frequency (MHz)				1852.5	1882.5	1912.5		(dB)	
5	PV2 BPSK	1	1	23.16	23.23	23.19	24.7	0.0	

n25_Ant 4_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PV2 BPSK	1	1	21.69	21.76	21.71	22.7	0.0	
40	PV2 BPSK	1	108	22.22	22.30	22.29			
40	PV2 BPSK	1	214	21.70	21.70	21.68			
40	PV2 BPSK	108	0	21.33	21.35	21.34	22.2	0.5	
40	PV2 BPSK	108	54	22.02	22.04	22.01	22.7	0.0	
40	PV2 BPSK	108	108	21.29	21.38	21.35	22.2	0.5	
40	PV2 BPSK	216	0	21.32	21.33	21.28			
40	QPSK	1	1	21.43	21.44	21.37			
40	QPSK	1	108	22.00	22.00	22.00	22.7	0.0	
40	QPSK	1	214	21.43	21.48	21.46			
40	QPSK	108	0	20.78	20.80	20.77			
40	QPSK	108	54	21.92	22.00	21.93	22.7	0.0	
40	QPSK	108	108	20.86	20.88	20.86	21.7	1.0	
40	QPSK	216	0	20.88	20.90	20.84			
40	16QAM	1	1	20.14	20.15	20.13			
40	64QAM	1	1	18.88	18.88	18.86	20.2	2.5	
40	256QAM	1	1	17.15	17.23	17.21	18.2	4.5	
Channel				373000	376500	380000	limit		
Frequency (MHz)				1865	1882.5	1900			
30	PV2 BPSK	1	1	21.53	21.55	21.49	22.7	0.0	
Channel				372500	376500	380500	turn-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1882.5	1902.5		(dB)	
25	PV2 BPSK	1	1	21.60	21.74	21.72	22.7	0.0	
Channel				372000	376500	381000	turn-up limit (dBm)	MPR	
Frequency (MHz)				1860	1882.5	1905	(dBm)	(dB)	
20	PV2 BPSK	1	1	21.78	21.85	21.80	22.7	0.0	
Channel				371500	376500	381500	turn-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1882.5	1897.5	(dBm)	(dB)	
15	PV2 BPSK	1	1	21.79	21.86	21.80	22.7	0.0	
Channel				371000	376500	382000	turn-up limit (dBm)	MPR	
Frequency (MHz)				1855	1882.5	1910	(dBm)	(dB)	
10	PV2 BPSK	1	1	21.75	21.81	21.76	22.7	0.0	
Channel				370500	376500	382500	limit (dBm)	MPR	
Frequency (MHz)				1852.5	1882.5	1912.5		(dB)	
5	PV2 BPSK	1	1	21.81	21.86	21.82	22.7	0.0	

n66_Ant 0_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.		
			Channel	346000	346000	352000		
			Frequency (MHz)	1730	1745	1760		
40	PV2 BPSK	1	1	23.01	23.13	23.11	24.7	0.0
40	PV2 BPSK	1	108	23.65	23.77	23.76		
40	PV2 BPSK	1	214	23.07	23.18	23.11		
40	PV2 BPSK	108	0	22.98	23.10	23.09	24.2	0.5
40	PV2 BPSK	108	54	23.67	23.71	23.65	24.7	0.0
40	PV2 BPSK	108	108	23.13	23.17	23.11	24.2	0.5
40	PV2 BPSK	216	0	23.13	23.20	23.11	24.7	0.0
40	QPSK	1	1	23.10	23.15	23.07		
40	QPSK	1	108	23.65	23.70	23.64		
40	QPSK	1	214	23.03	23.10	23.03	23.7	1.0
40	QPSK	108	0	22.57	22.70	22.68		
40	QPSK	108	54	23.67	23.72	23.62		
40	QPSK	108	108	22.53	22.66	22.51	23.7	1.0
40	QPSK	216	0	22.56	22.62	22.60	23.7	1.0
40	16QAM	1	1	21.97	22.00	21.94		
40	64QAM	1	1	20.61	20.70	20.68		
40	256QAM	1	1	19.19	19.22	19.12	20.2	4.5
			Channel	345000	349000	353000		
			Frequency (MHz)	1725	1745	1765		
30	PV2 BPSK	1	1	22.95	23.09	23.08	24.7	0.0
			Channel	344500	349000	353500		
			Frequency (MHz)	1722.5	1745	1767.5		
25	PV2 BPSK	1	1	22.86	23.07	23.10	24.7	0.0
			Channel	343500	349000	354000		
			Frequency (MHz)	1720	1745	1770		
20	PV2 BPSK	1	1	22.96	23.07	23.07	24.7	0.0
			Channel	343500	349000	354000		
			Frequency (MHz)	1717.5	1745	1772.5		
15	PV2 BPSK	1	1	23.00	23.07	23.06	24.7	0.0
			Channel	343000	349000	355000		
			Frequency (MHz)	1715	1745	1775		
10	PV2 BPSK	1	1	22.95	23.10	23.08	24.7	0.0
			Channel	342500	349000	355500		
			Frequency (MHz)	1712.5	1745	1777.5		
5	PV2 BPSK	1	1	22.97	23.08	23.05	24.7	0.0

n66_Ant 1_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.		
Channel				346000	349000	352000		
Frequency (MHz)				1750	1745	1760		
40	PV2 BPSK	1	1	23.28	23.30	23.24	24.7	0.0
40	PV2 BPSK	1	108	23.79	23.82	23.78		
40	PV2 BPSK	1	214	23.20	23.24	23.23		
40	PV2 BPSK	108	0	23.28	23.01	23.33	24.2	0.5
40	PV2 BPSK	108	54	23.78	23.81	23.77	24.7	0.0
40	PV2 BPSK	108	108	23.42	23.00	23.41	24.2	0.5
40	PV2 BPSK	216	0	23.38	23.40	23.37		
40	QPSK	1	1	23.31	23.18	23.21		
40	QPSK	1	108	23.77	23.78	23.77	24.7	0.0
40	QPSK	1	214	23.21	23.21	23.20		
40	QPSK	108	0	22.80	22.48	22.81		
40	QPSK	108	54	23.75	23.77	23.76	24.7	0.0
40	QPSK	108	108	22.52	22.47	22.53	23.7	1.0
40	QPSK	216	0	22.86	22.51	22.83		
40	16QAM	1	1	22.00	21.98	21.95		
40	64QAM	1	1	20.59	20.52	20.52	22.2	2.5
40	256QAM	1	1	19.21	19.15	19.13	20.2	4.5
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PV2 BPSK	1	1	23.26	23.28	23.20	24.7	MPR (dB)
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	PV2 BPSK	1	1	23.22	23.20	23.18	24.7	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1717.5	1745	1772.5		
20	PV2 BPSK	1	1	23.27	23.26	23.17	24.7	0.0
Channel				343500	349000	354000		
Frequency (MHz)				1717.5	1745	1772.5		
15	PV2 BPSK	1	1	23.22	23.23	23.22	24.7	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	PV2 BPSK	1	1	23.26	23.25	23.18	24.7	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	PV2 BPSK	1	1	23.24	23.24	23.19	24.7	0.0

n66_Ant 4_Default								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PV2 BPSK	1	1	23.16	23.17	23.07	24.7	0.0
40	PV2 BPSK	1	108	23.68	23.77	23.66		
40	PV2 BPSK	1	214	23.05	23.12	23.06		
40	PV2 BPSK	108	0	22.77	22.85	22.72	24.2	0.5
40	PV2 BPSK	108	54	23.50	23.54	23.45	24.7	0.0
40	PV2 BPSK	108	108	22.76	22.77	22.66	24.2	0.5
40	PV2 BPSK	216	0	22.71	22.80	22.69		
40	QPSK	1	1	22.57	22.57	22.54		
40	QPSK	1	108	23.45	23.46	23.34	24.7	0.0
40	QPSK	1	214	22.53	22.53	22.55		
40	QPSK	108	0	22.32	22.39	22.29		
40	QPSK	108	54	23.46	23.50	23.47	24.7	0.0
40	QPSK	108	108	22.22	22.27	22.14	23.7	1.0
40	QPSK	216	0	22.14	22.21	22.08		
40	16QAM	1	1	21.72	21.72	21.71		
40	64QAM	1	1	20.23	20.30	20.22	23.2	2.5
40	256QAM	1	1	18.85	18.90	18.80	20.2	4.5
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PV2 BPSK	1	1	23.12	23.09	23.02	24.7	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	PV2 BPSK	1	1	23.07	23.12	22.98	24.7	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1717.5	1745	1772.5		
20	PV2 BPSK	1	1	23.10	23.13	22.99	24.7	0.0
Channel				343500	349000	354000		
Frequency (MHz)				1717.5	1745	1772.5		
15	PV2 BPSK	1	1	23.14	23.16	23.03	24.7	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	PV2 BPSK	1	1	23.03	23.17	23.07	24.7	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	PV2 BPSK	1	1	23.07	23.16	23.05	24.7	0.0

n71_Ant 0_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0	
20	PI/2 BPSK	1	53	24.10	24.21	24.15			
20	PI/2 BPSK	1	104	23.98	24.15	24.02			
20	PI/2 BPSK	50	0	23.51	23.65	23.68			
20	PI/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0	
20	PI/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5	
20	PI/2 BPSK	100	0	23.53	23.76	23.67			
20	QPSK	1	1	23.91	24.08	23.95			
20	QPSK	1	53	24.05	24.18	24.14			
20	QPSK	1	104	23.94	24.11	23.95	25.2	0.0	
20	QPSK	50	0	22.88	23.15	23.16			
20	QPSK	50	28	24.04	24.18	24.12			
20	QPSK	50	56	23.08	23.12	23.21			
20	QPSK	100	0	23.02	23.25	23.18	24.2	1.0	
20	16QAM	1	1	22.89	22.82	22.72	24.2	1.0	
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5	
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	PI/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				668	680.5	693			
10	PI/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	PI/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0	

n71_Ant 1_Default									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0	
20	PI/2 BPSK	1	53	24.14	24.19	24.16			
20	PI/2 BPSK	1	104	23.99	24.08	24.02			
20	PI/2 BPSK	50	0	23.56	23.68	23.67			
20	PI/2 BPSK	50	28	24.13	24.16	24.15	25.2	0.0	
20	PI/2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5	
20	PI/2 BPSK	100	0	23.61	23.77	23.70			
20	QPSK	1	1	23.99	24.07	24.01			
20	QPSK	1	53	24.11	24.17	24.15			
20	QPSK	1	104	23.97	24.02	23.95	25.2	0.0	
20	QPSK	50	0	23.08	23.14	23.16			
20	QPSK	50	28	24.12	24.16	24.14			
20	QPSK	50	56	23.10	23.09	23.21			
20	QPSK	100	0	23.06	23.25	23.18	24.2	1.0	
20	16QAM	1	1	22.74	22.86	22.76	24.2	1.0	
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5	
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5	
Channel				134100	136100	138100	139600	141600	MPR
Frequency (MHz)				670.5	680.5	690.5	700.5	710.5	(dB)
15	PI/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0	
Channel				133600	136100	138600	140100	142600	MPR
Frequency (MHz)				668	680.5	693	705.5	718.5	(dB)
10	PI/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0	
Channel				133100	136100	139100	140600	143600	MPR
Frequency (MHz)				665.5	680.5	695.5	708.5	723.5	(dB)
5	PI/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0	



n2_Ant 0_DS15									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				376000	378000	380000			
Channel				1860	1880	1900			
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0	
20	Pl2 BPSK	1	53	23.59	23.66	23.54			
20	Pl2 BPSK	1	104	23.54	23.55	23.42			
20	Pl2 BPSK	50	0	23.61	23.61	23.52	24.2	0.5	
20	Pl2 BPSK	50	28	23.63	23.64	23.60	24.7	0.0	
20	Pl2 BPSK	50	56	23.62	23.62	23.49	24.2	0.5	
20	Pl2 BPSK	100	0	23.60	23.63	23.52	24.7	0.0	
20	QPSK	1	1	23.48	23.52	23.42			
20	QPSK	1	53	23.57	23.61	23.52			
20	QPSK	1	104	23.48	23.52	23.36	23.7	1.0	
20	QPSK	50	0	23.09	23.06	23.01			
20	QPSK	50	28	23.61	23.63	23.61			
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.15	22.99	23.7	1.0	
20	16QAM	1	1	22.74	22.78	22.64			
20	64QAM	1	1	21.28	21.31	21.18			
20	256QAM	1	1	19.94	19.95	19.76	20.2	4.5	
Channel				371500	376000	380500	1867.5 limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5			
15	Pl2 BPSK	1	1	23.45	23.54	23.39	24.7	0.0	
Channel				371000	376000	381000	1865 limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	Pl2 BPSK	1	1	23.48	23.52	23.39	24.7	0.0	
Channel				370500	376000	381500	1862.5 limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5 <th>1880</th> <th>1907.5</th> <th colspan="3"></th>	1880	1907.5			
5	Pl2 BPSK	1	1	23.45	23.52	23.38	24.7	0.0	

n2_Ant 1_DS15									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	376000	380000			
Channel				1860	1880	1900			
Frequency (MHz)									
20	Pl2 BPSK	1	1	13.02	13.28	13.23	14.7	0.0	
20	Pl2 BPSK	1	53	13.63	13.59	13.54			
20	Pl2 BPSK	1	104	13.22	13.20	13.13			
20	Pl2 BPSK	50	0	13.07	13.44	13.23	14.7	0.0	
20	Pl2 BPSK	50	28	13.39	13.45	13.37	14.7	0.0	
20	Pl2 BPSK	50	56	13.25	13.31	13.30	14.7	0.0	
20	Pl2 BPSK	100	0	13.06	13.27	13.06	14.7	0.0	
20	QPSK	1	1	13.16	13.30	13.20			
20	QPSK	1	53	13.47	13.52	13.56			
20	QPSK	1	104	13.13	13.14	13.19	14.7	0.0	
20	QPSK	50	0	13.15	13.12	13.20			
20	QPSK	50	28	13.34	13.51	13.51			
20	QPSK	50	56	13.15	13.33	13.22	14.7	0.0	
20	QPSK	100	0	13.17	13.37	13.22	14.7	0.0	
20	16QAM	1	1	13.16	13.27	13.25			
20	64QAM	1	1	13.06	13.14	13.14			
20	256QAM	1	1	13.15	13.16	13.08	14.7	0.0	
Channel				371500	376000	380500	1867.5 limit (dbm)	MPR (db)	
Frequency (MHz)				1867.5	1880	1902.5			
15	Pl2 BPSK	1	1	13.11	13.35	13.29	14.7	0.0	
Channel				371000	376000	381000	1865 limit (dbm)	MPR (db)	
Frequency (MHz)				1865	1880	1905			
10	Pl2 BPSK	1	1	13.17	13.33	13.37	14.7	0.0	
Channel				370500	376000	381500	1862.5 limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5	1880	1907.5			
5	Pl2 BPSK	1	1	13.08	13.47	13.26	14.7	0.0	

n2_Ant 4_DS15									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	376000	380000			
Channel				1860	1880	1900			
Frequency (MHz)									
20	Pl2 BPSK	1	1	21.66	21.72	21.63	22.7	0.0	
20	Pl2 BPSK	1	53	21.73	21.75	21.69			
20	Pl2 BPSK	1	104	21.63	21.68	21.67			
20	Pl2 BPSK	50	0	21.43	21.52	21.46	22.2	0.5	
20	Pl2 BPSK	50	28	21.60	21.69	21.62	22.7	0.0	
20	Pl2 BPSK	50	56	21.43	21.47	21.44	22.2	0.5	
20	Pl2 BPSK	100	0	21.49	21.50	21.45	22.7	0.0	
20	QPSK	1	1	21.42	21.51	21.42			
20	QPSK	1	53	21.34	21.44	21.41			
20	QPSK	1	104	21.36	21.43	21.42	21.7	1.0	
20	QPSK	50	0	20.99	21.00	20.90			
20	QPSK	50	28	21.57	21.60	21.60			
20	QPSK	50	56	21.00	21.05	21.01	21.7	1.0	
20	QPSK	100	0	21.08	21.10	21.08	21.7	1.0	
20	16QAM	1	1	20.79	20.80	20.73			
20	64QAM	1	1	18.95	18.95	18.86			
20	256QAM	1	1	17.09	17.17	17.16	18.2	4.5	
Channel				371500	376000	380500	1867.5 limit (dbm)	MPR (db)	
Frequency (MHz)				1867.5	1880	1902.5			
15	Pl2 BPSK	1	1	21.62	21.69	21.62	22.7	0.0	
Channel				371000	376000	381000	1865 limit (dbm)	MPR (db)	
Frequency (MHz)				1865	1880	1905			
10	Pl2 BPSK	1	1	21.59	21.70	21.58	22.7	0.0	
Channel				370500	376000	381500	1862.5 limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5	1880	1907.5			
5	Pl2 BPSK	1	1	21.63	21.71	21.57	22.7	0.0	

n25_Ant 0_DSI5								
Average Power (dbm)								
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				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PV2 BPSK	1	1	23.14	23.23	23.16	24.7	0.0
40	PV2 BPSK	1	108	23.68	23.77	23.68		
40	PV2 BPSK	1	214	23.15	23.25	23.25	24.2	0.5
40	PV2 BPSK	108	0	23.07	23.16	23.06		
40	PV2 BPSK	108	54	23.71	23.74	23.69	24.7	0.0
40	PV2 BPSK	108	108	23.08	23.12	23.09	24.2	0.5
40	PV2 BPSK	216	0	23.14	23.15	23.10		
40	QPSK	1	1	23.01	23.11	23.04	24.7	0.0
40	QPSK	1	108	23.54	23.60	23.55		
40	QPSK	1	214	23.05	23.10	23.10		
40	QPSK	108	0	22.85	22.86	22.86	23.7	1.0
40	QPSK	108	54	23.68	23.72	23.64	24.7	0.0
40	QPSK	108	108	22.56	22.64	22.55	23.7	1.0
40	QPSK	216	0	22.57	22.60	22.58		
40	16QAM	1	1	21.89	21.97	21.96	23.7	1.0
40	64QAM	1	1	20.49	20.50	20.42	22.2	2.5
40	256QAM	1	1	18.80	19.00	18.82	20.2	4.5
Channel				373000	376500	380000	Time-up limit (dbm)	MPR (db)
Frequency (MHz)				1865	1882.5	1900		
30	PV2 BPSK	1	1	23.10	23.15	23.08	24.7	0.0
Channel				372500	376500	380500	Time-up limit (dbm)	MPR (db)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	PV2 BPSK	1	1	23.06	23.16	23.11	24.7	0.0
Channel				372000	376500	381000	Time-up limit (dbm)	MPR (db)
Frequency (MHz)				1860	1882.5	1902		
20	PV2 BPSK	1	1	23.15	23.15	23.13	24.7	0.0
Channel				371500	376500	381500	Time-up limit (dbm)	MPR (db)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PV2 BPSK	1	1	23.07	23.23	23.16	24.7	0.0
Channel				371000	376500	382000	Time-up limit (dbm)	MPR (db)
Frequency (MHz)				1855	1882.5	1910		
10	PV2 BPSK	1	1	23.09	23.20	23.07	24.7	0.0
Channel				370500	376500	382500	Time-up limit (dbm)	MPR (db)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PV2 BPSK	1	1	23.06	23.10	23.11	24.7	0.0

n25_Ant 1_DSIS								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Time-up limit (dBm)	MPR (dB)
				Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.		
				374000	376500	379000		
			Channel					
			Frequency (MHz)	1870	1882.5	1895		
40	PV2 BPSK	1	1	13.02	13.10	13.10	14.7	0.0
40	PV2 BPSK	1	108	13.61	13.62	13.57		
40	PV2 BPSK	1	214	13.07	13.15	13.05	14.7	0.0
40	PV2 BPSK	108	0	13.02	13.11	13.08		
40	PV2 BPSK	108	54	13.63	13.60	13.51	14.7	0.0
40	PV2 BPSK	108	108	13.10	13.13	13.13	14.7	0.0
40	PV2 BPSK	216	0	13.00	13.08	13.06		
40	QPSK	1	1	13.12	13.12	13.12	14.7	0.0
40	QPSK	1	108	13.39	13.47	13.38		
40	QPSK	1	214	12.99	13.07	13.07		
40	QPSK	108	0	13.10	13.10	13.01	14.7	0.0
40	QPSK	108	54	13.32	13.40	13.38	14.7	0.0
40	QPSK	108	108	13.11	13.17	13.11	14.7	0.0
40	QPSK	216	0	13.11	13.20	13.10		
40	16QAM	1	1	13.10	13.15	13.14	14.7	0.0
40	64QAM	1	1	12.98	13.05	13.00	14.7	0.0
40	256QAM	1	1	13.02	13.10	13.03	14.7	0.0
			Channel	373000	376500	380000	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	1865	1882.5	1900		
30	PV2 BPSK	1	1	12.91	13.02	12.93	14.7	0.0
			Channel	372500	376500	380500	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	1862.5	1882.5	1902.5		
25	PV2 BPSK	1	1	13.01	12.93	12.90	14.7	0.0
			Channel	372000	376500	381000	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	1860	1882.5	1902		
20	PV2 BPSK	1	1	12.91	12.98	13.00	14.7	0.0
			Channel	371500	376500	381500	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	1857.5	1882.5	1907.5		
15	PV2 BPSK	1	1	12.96	13.01	13.02	14.7	0.0
			Channel	371000	376500	382000	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	1855	1882.5	1910		
10	PV2 BPSK	1	1	12.95	12.97	13.06	14.7	0.0
			Channel	370500	376500	382500	Time-up limit (dBm)	MPR (dB)
			Frequency (MHz)	1852.5	1882.5	1912.5		
5	PV2 BPSK	1	1	12.88	12.93	12.92	14.7	0.0

n25_Ant 4_DSIS								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PV2 BPSK	1	1	21.69	21.76	21.71	22.7	0.0
40	PV2 BPSK	1	108	22.22	22.30	22.29		
40	PV2 BPSK	1	214	21.70	21.70	21.68	22.2	0.5
40	PV2 BPSK	108	0	21.33	21.35	21.34		
40	PV2 BPSK	108	54	22.02	22.04	22.01	22.7	0.0
40	PV2 BPSK	108	108	21.29	21.38	21.35	22.2	0.5
40	PV2 BPSK	216	0	21.32	21.33	21.26		
40	QPSK	1	1	21.43	21.44	21.37	22.7	0.0
40	QPSK	1	108	22.00	22.00	22.00		
40	QPSK	1	214	21.43	21.48	21.48		
40	QPSK	108	0	20.78	20.80	20.77	21.7	1.0
40	QPSK	108	54	21.92	22.00	21.93	22.7	0.0
40	QPSK	108	108	20.86	20.88	20.86	21.7	1.0
40	QPSK	216	0	20.88	20.90	20.84		
40	64QAM	1	1	20.14	20.15	20.13	21.7	1.0
40	64QAM	1	1	18.88	18.88	18.86	20.2	2.5
40	256QAM	1	1	17.15	17.23	17.21	18.2	4.5
Channel				373000	376500	380000	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	PV2 BPSK	1	1	21.53	21.55	21.49	22.7	0.0
Channel				372500	376500	380500	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	PV2 BPSK	1	1	21.69	21.74	21.72	22.7	0.0
Channel				372000	376500	381000	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1902		
20	PV2 BPSK	1	1	21.78	21.85	21.80	22.7	0.0
Channel				371500	376500	381500	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PV2 BPSK	1	1	21.79	21.86	21.80	22.7	0.0
Channel				371000	376500	382000	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	PV2 BPSK	1	1	21.75	21.81	21.76	22.7	0.0
Channel				370500	376500	382500	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PV2 BPSK	1	1	21.81	21.86	21.82	22.7	0.0

n71_Ant 0_DSI5								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	134100	133600		
Channel				673	680.5	685		
Frequency (MHz)								
20	PI/2 BPSK	1	1	23.95	24.04	23.98		
20	PI/2 BPSK	1	53	24.10	24.21	24.15	25.2	0.0
20	PI/2 BPSK	1	104	23.99	24.15	24.02		
20	PI/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5
20	PI/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0
20	PI/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5
20	PI/2 BPSK	100	0	23.53	23.76	23.67		
20	QPSK	1	1	23.91	24.08	23.95		
20	QPSK	1	53	24.05	24.18	24.14	25.2	0.0
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.98	23.15	23.18	24.2	1.0
20	QPSK	50	28	24.04	24.16	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.18		
20	16QAM	1	1	22.89	22.82	22.72	24.2	1.0
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5
Channel				134100	133100	133100	133100	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	PI/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0
Channel				133600	133100	133600	133100	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	PI/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0
Channel				133100	133600	133100	133600	MPR (dB)
Frequency (MHz)				692.5	680.5	692.5		
5	PI/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0

n71_Ant 1_DS15								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up power (dbm)	MPR (db)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134650	134100	133700		
Channel				673	680.5	688		
Frequency (MHz)								
20	PI2 BPSK	1	1	18.71	18.81	18.74		
20	PI2 BPSK	1	53	18.92	18.94	18.88	20.2	0.0
20	PI2 BPSK	1	104	18.83	18.83	18.74		
20	PI2 BPSK	50	0	18.42	18.43	18.37	20.2	0.0
20	PI2 BPSK	50	28	18.90	18.93	18.84	20.2	0.0
20	PI2 BPSK	50	56	18.31	18.38	18.34	20.2	0.0
20	PI2 BPSK	100	0	18.44	18.52	18.50		
20	QPSK	1	1	18.73	18.75	18.70		
20	QPSK	1	53	18.81	18.84	18.75	20.2	0.0
20	QPSK	1	104	18.73	18.79	18.71		
20	QPSK	50	0	18.39	18.43	18.35	20.2	0.0
20	QPSK	50	28	18.83	18.89	18.81	20.2	0.0
20	QPSK	50	56	18.28	18.28	18.23	20.2	0.0
20	QPSK	100	0	18.48	18.50	18.48		
20	16QAM	1	1	18.30	18.35	18.31	20.2	0.0
20	64QAM	1	1	18.46	18.50	18.47	20.2	0.0
20	256QAM	1	1	18.47	18.55	18.49	20.2	0.0
Channel				134100	133100	133100	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				670.5	680.5	690.5		
15	PI2 BPSK	1	1	18.59	18.67	18.67	20.2	0.0
Channel				133600	133100	133600	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				668	680.5	693		
10	PI2 BPSK	1	1	18.60	18.78	18.73	20.2	0.0
Channel				133100	133600	133100	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				692.5	680.5	692.5		
5	PI2 BPSK	1	1	18.52	18.77	18.67	20.2	0.0

n2_Ant 0_DSI10									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	378000 1890	380000 1900			
Channel Frequency (MHz)									
20	PI/2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0	
20	PI/2 BPSK	1	53	23.99	23.66	23.54			
20	PI/2 BPSK	1	104	23.54	23.55	23.42			
20	PI/2 BPSK	50	0	23.61	23.61	23.52	24.2	0.5	
20	PI/2 BPSK	50	28	23.63	23.64	23.60	24.7	0.0	
20	PI/2 BPSK	50	56	23.62	23.62	23.49	24.2	0.5	
20	PI/2 BPSK	100	0	23.60	23.63	23.52			
20	QPSK	1	1	23.48	23.52	23.42			
20	QPSK	1	53	23.57	23.61	23.52	24.7	0.0	
20	QPSK	1	104	23.48	23.52	23.39	23.7	1.0	
20	QPSK	50	0	23.09	23.06	23.01			
20	QPSK	50	28	23.61	23.63	23.61			
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.15	22.99	23.7	1.0	
20	16QAM	1	1	22.74	22.78	22.64			
20	16QAM	1	1	21.28	21.31	21.18			
20	256QAM	1	1	19.84	19.85	19.76	20.2	4.5	
Channel Frequency (MHz)									
15	PI/2 BPSK	1	1	23.45	23.54	23.39	24.7	0.0	
Channel Frequency (MHz)									
10	PI/2 BPSK	1	1	23.48	23.52	23.39	24.7	0.0	
Channel Frequency (MHz)									
5	PI/2 BPSK	1	1	23.45	23.52	23.38	24.7	0.0	

n2_Ant 1_DSI10									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	376000 1890	380000 1900			
Channel Frequency (MHz)									
20	PI2 BPSK	1	1	11.25	11.48	11.23	13.2	0.0	
20	PI2 BPSK	1	53	11.94	12.00	11.88			
20	PI2 BPSK	1	104	11.48	11.42	11.37			
20	PI2 BPSK	50	0	11.88	11.89	11.80	13.2	0.0	
20	PI2 BPSK	50	28	11.90	11.96	11.89	13.2	0.0	
20	PI2 BPSK	50	56	11.45	11.41	11.31	13.2	0.0	
20	PI2 BPSK	100	0	11.32	11.40	11.37			
20	QPSK	1	1	11.48	11.34	11.43			
20	QPSK	1	53	11.65	11.70	11.71	13.2	0.0	
20	QPSK	1	104	11.35	11.27	11.52	13.2	0.0	
20	QPSK	50	0	11.52	11.43	11.17			
20	QPSK	50	28	11.74	11.78	11.72			
20	QPSK	50	56	11.40	11.45	11.29	13.2	0.0	
20	QPSK	100	0	11.44	11.52	11.49	13.2	0.0	
20	16QAM	1	1	11.38	11.41	11.36			
20	64QAM	1	1	11.31	11.26	11.26			
20	256QAM	1	1	11.23	11.46	11.29	13.2	0.0	
Channel Frequency (MHz)									
15	PI2 BPSK	1	1	11.54	11.47	11.42	13.2	0.0	
Channel Frequency (MHz)									
10	PI2 BPSK	1	1	37.0100	37.6000	38.1000	Tune-up limit (dBm)	MPR	
				1865	1880	1905	1865	1880	1905
Channel Frequency (MHz)									
10	PI2 BPSK	1	1	11.49	11.41	11.36	13.2	0.0	
Channel Frequency (MHz)									
5	PI2 BPSK	1	1	11.49	11.42	11.52	13.2	0.0	
Channel Frequency (MHz)									

n2_Ant 4_DSI10									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	376000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	21.66	21.72	21.63	22.7	0.0	
20	PI/2 BPSK	1	53	21.73	21.75	21.69			
20	PI/2 BPSK	1	104	21.63	21.68	21.67			
20	PI/2 BPSK	50	0	21.43	21.52	21.49	22.2	0.5	
20	PI/2 BPSK	50	28	21.60	21.69	21.62	22.7	0.0	
20	PI/2 BPSK	50	56	21.43	21.47	21.44	22.2	0.5	
20	PI/2 BPSK	100	0	21.49	21.50	21.45			
20	QPSK	1	1	21.42	21.51	21.42			
20	QPSK	1	53	21.34	21.44	21.41	22.7	0.0	
20	QPSK	1	104	21.38	21.43	21.42	21.7	1.0	
20	QPSK	50	0	20.99	21.00	20.90			
20	QPSK	50	28	21.57	21.60	21.60			
20	QPSK	50	56	21.00	21.05	21.01	21.7	1.0	
20	QPSK	100	0	21.08	21.10	21.08	21.7	1.0	
20	16QAM	1	1	20.79	20.80	20.73			
20	16QAM	1	1	18.95	18.95	18.86			
20	256QAM	1	1	17.09	17.17	17.16	18.2	4.5	
Channel									
Frequency (MHz)									
15	PI/2 BPSK	1	1	21.62	21.69	21.62	22.7	0.0	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1	21.59	21.70	21.58	22.7	0.0	
Channel									
Frequency (MHz)									
5	PI/2 BPSK	1	1	21.63	21.71	21.57	22.7	0.0	

n66_Ant 0_DSI10								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				346000	349000	353000		
Frequency (MHz)				1730	1745	1760		
40	PV2 BPSK	1	1	23.01	23.13	23.11	24.7	0.0
40	PV2 BPSK	1	108	23.65	23.77	23.76		
40	PV2 BPSK	1	214	23.07	23.18	23.11		
40	PV2 BPSK	108	0	22.98	23.10	23.09	24.2	0.5
40	PV2 BPSK	108	54	23.67	23.71	23.65	24.7	0.0
40	PV2 BPSK	108	108	23.13	23.17	23.11	24.2	0.5
40	PV2 BPSK	216	0	23.13	23.20	23.11	24.7	0.0
40	QPSK	1	1	23.10	23.15	23.07		
40	QPSK	1	108	23.65	23.70	23.64		
40	QPSK	1	214	23.03	23.10	23.03	23.7	1.0
40	QPSK	108	0	22.57	22.70	22.68		
40	QPSK	108	54	23.67	23.72	23.62		
40	QPSK	108	108	22.53	22.66	22.51	23.7	1.0
40	QPSK	216	0	22.56	22.62	22.60	23.7	1.0
40	16QAM	1	1	21.97	22.00	21.94	23.7	1.0
40	64QAM	1	1	20.61	20.70	20.68	22.2	2.5
40	256QAM	1	1	19.19	19.22	19.12	20.2	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	Tune-up limit (dBm)	MPR (dB)
30	PV2 BPSK	1	1	22.96	23.09	23.08	24.7	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	Tune-up limit (dBm)	MPR (dB)
25	PV2 BPSK	1	1	22.86	23.07	23.10	24.7	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	Tune-up limit (dBm)	MPR (dB)
20	PV2 BPSK	1	1	22.96	23.07	23.07	24.7	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)
15	PV2 BPSK	1	1	23.00	23.07	23.09	24.7	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)	MPR (dB)
10	PV2 BPSK	1	1	22.95	23.10	23.08	24.7	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)
5	PV2 BPSK	1	1	22.97	23.08	23.05	24.7	0.0

n66_Ant 1_DSI10								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				346000	349000	353000		
Frequency (MHz)				1730	1745	1760		
40	PV2 BPSK	1	1	13.12	13.06	13.01	14.7	0.0
40	PV2 BPSK	1	108	13.70	13.74	13.68		
40	PV2 BPSK	1	214	13.16	13.06	13.11		
40	PV2 BPSK	108	0	13.02	13.19	13.02	14.7	0.0
40	PV2 BPSK	108	54	13.60	13.68	13.63	14.7	0.0
40	PV2 BPSK	108	108	12.90	12.97	12.95	14.7	0.0
40	PV2 BPSK	216	0	12.91	13.02	12.97	14.7	0.0
40	QPSK	1	1	13.13	13.17	13.03		
40	QPSK	1	108	13.61	13.68	13.55		
40	QPSK	1	214	13.07	13.12	12.92	14.7	0.0
40	QPSK	108	0	12.85	13.12	12.92		
40	QPSK	108	54	13.59	13.66	13.64		
40	QPSK	108	108	13.10	13.04	13.11	14.7	0.0
40	QPSK	216	0	13.12	13.05	12.97	14.7	0.0
40	16QAM	1	1	12.97	13.01	12.97	14.7	0.0
40	64QAM	1	1	12.98	13.05	12.94	14.7	0.0
40	256QAM	1	1	12.81	12.92	12.97	14.7	0.0
Channel				345000	349000	353000	Power limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	Power limit (dBm)	Power limit (dBm)
30	PV2 BPSK	1	1	12.92	13.05	12.90	14.7	0.0
Channel				344500	349000	353500	Power limit (dBm)	Power limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	Power limit (dBm)	Power limit (dBm)
25	PV2 BPSK	1	1	13.01	12.85	12.83	14.7	0.0
Channel				344000	349000	354000	Power limit (dBm)	Power limit (dBm)
Frequency (MHz)				1720	1745	1770	Power limit (dBm)	Power limit (dBm)
20	PV2 BPSK	1	1	12.98	12.90	12.98	14.7	0.0
Channel				343500	349000	354500	Power limit (dBm)	Power limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	Power limit (dBm)	Power limit (dBm)
15	PV2 BPSK	1	1	12.92	12.89	12.90	14.7	0.0
Channel				343000	349000	355000	Power limit (dBm)	Power limit (dBm)
Frequency (MHz)				1715	1745	1775	Power limit (dBm)	Power limit (dBm)
10	PV2 BPSK	1	1	12.94	13.01	12.82	14.7	0.0
Channel				342500	349000	355500	Power limit (dBm)	Power limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	Power limit (dBm)	Power limit (dBm)
5	PV2 BPSK	1	1	12.99	12.88	12.99	14.7	0.0

n66_Ant 4_DSI10								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PV2 BPSK	1	1	23.16	23.17	23.07	24.7	0.0
40	PV2 BPSK	1	108	23.68	23.77	23.66		
40	PV2 BPSK	1	214	23.05	23.12	23.06		
40	PV2 BPSK	108	0	22.77	22.85	22.72	24.2	0.5
40	PV2 BPSK	108	54	23.50	23.54	23.45	24.7	0.0
40	PV2 BPSK	108	108	22.76	22.77	22.66	24.2	0.5
40	PV2 BPSK	216	0	22.71	22.80	22.69		
40	QPSK	1	1	22.57	22.57	22.54		
40	QPSK	1	108	23.45	23.46	23.34	24.7	0.0
40	QPSK	1	214	22.53	22.53	22.55		
40	QPSK	108	0	22.32	22.39	22.29		
40	QPSK	108	54	23.46	23.50	23.47	24.7	0.0
40	QPSK	108	108	22.22	22.27	22.14	23.7	1.0
40	QPSK	216	0	22.14	22.21	22.08	23.7	1.0
40	16QAM	1	1	21.72	21.72	21.71	23.7	1.0
40	64QAM	1	1	20.23	20.30	20.22	22.2	2.5
40	256QAM	1	1	18.85	18.90	18.80	20.2	4.5
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PV2 BPSK	1	1	23.12	23.09	23.02	24.7	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	PV2 BPSK	1	1	23.07	23.12	22.98	24.7	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	PV2 BPSK	1	1	23.10	23.13	22.99	24.7	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	PV2 BPSK	1	1	23.14	23.16	23.03	24.7	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	PV2 BPSK	1	1	23.03	23.17	23.07	24.7	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	PV2 BPSK	1	1	23.07	23.16	23.05	24.7	0.0

n71_Ant 0_DSI10								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.		
Channel				134600	136100	137600		
Frequency (MHz)				673	683	693		
20	PV2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0
20	PV2 BPSK	1	53	24.10	24.21	24.15		
20	PV2 BPSK	1	104	23.98	24.15	24.02		
20	PV2 BPSK	50	0	23.51	23.65	23.68		
20	PV2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0
20	PV2 BPSK	50	56	23.55	23.69	23.73	24.7	0.5
20	PV2 BPSK	100	0	23.53	23.78	23.67		
20	QPSK	1	1	23.91	24.08	23.95	25.2	0.0
20	QPSK	1	53	24.05	24.16	24.14		
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.98	23.15	23.16	24.2	1.0
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.16	24.2	1.0
20	16QAM	1	1	22.89	22.82	22.72		
20	16QAM	1	1	21.23	21.42	21.28		
20	256QAM	1	1	19.97	20.00	19.98		
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	PV2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	PV2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	PV2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0

n71_Ant 1_DSI10								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PV2 BPSK	1	1	17.12	17.27	17.15	18.7	0.0
20	PV2 BPSK	1	53	17.40	17.41	17.36		
20	PV2 BPSK	1	104	17.30	17.28	17.24		
20	PV2 BPSK	50	0	16.90	16.88	16.79		
20	PV2 BPSK	50	28	17.33	17.35	17.28	18.7	0.0
20	PV2 BPSK	50	56	16.80	16.78	16.82	18.7	0.0
20	PV2 BPSK	100	0	16.87	16.98	16.93		
20	QPSK	1	1	17.15	17.24	17.12	18.7	0.0
20	QPSK	1	53	17.28	17.34	17.20		
20	QPSK	1	104	17.20	17.19	17.20		
20	QPSK	50	0	16.89	16.85	16.78	18.7	0.0
20	QPSK	50	28	17.32	17.29	17.24	18.7	0.0
20	QPSK	50	56	16.76	16.70	16.72	18.7	0.0
20	QPSK	100	0	16.89	16.99	16.89	18.7	0.0
20	16QAM	1	1	16.70	16.76	16.73		
20	64QAM	1	1	16.88	16.98	16.93		
20	256QAM	1	1	16.94	16.98	16.92		
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR
Frequency (MHz)				670.5	680.5	690.5		
15	PV2 BPSK	1	1	17.02	17.20	17.03	18.7	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR
Frequency (MHz)				668	680.5	693		
10	PV2 BPSK	1	1	17.06	17.21	17.13	18.7	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR
Frequency (MHz)				665.5	680.5	695.5		
5	PV2 BPSK	1	1	17.07	17.08	17.02	18.7	0.0

n2_Ant 0_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	376000 1890	380000 1900			
Channel Frequency (MHz)									
20	PI/2 BPSK	1	1	17.40	17.35	17.45	19.2	0.0	
20	PI/2 BPSK	1	53	17.86	17.82	17.90			
20	PI/2 BPSK	1	104	17.64	17.54	17.34			
20	PI/2 BPSK	50	0	17.45	17.56	17.39	19.2	0.0	
20	PI/2 BPSK	50	28	17.82	17.88	17.87	19.2	0.0	
20	PI/2 BPSK	50	56	17.52	17.33	17.52	19.2	0.0	
20	PI/2 BPSK	100	0	17.36	17.41	17.27			
20	QPSK	1	1	17.46	17.49	17.58			
20	QPSK	1	53	17.87	17.91	17.84	19.2	0.0	
20	QPSK	1	104	17.40	17.39	17.48	19.2	0.0	
20	QPSK	50	0	17.87	17.52	17.32			
20	QPSK	50	28	17.74	17.73	17.58			
20	QPSK	50	56	17.48	17.59	17.35	19.2	0.0	
20	QPSK	100	0	17.43	17.39	17.49	19.2	0.0	
20	16QAM	1	1	17.45	17.48	17.41			
20	64QAM	1	1	17.35	17.49	17.36			
20	256QAM	1	1	17.38	17.51	17.33	19.2	0.0	
Channel Frequency (MHz)									
				371500	376000	380500	19.2	MPR	limit (dB)
				1857.5	1880	1902.5			
15	PI/2 BPSK	1	1	17.42	17.53	17.44	19.2	0.0	
Channel Frequency (MHz)									
				371000	376000	381000	19.2	MPR	limit (dB)
				1855	1880	1905			
10	PI/2 BPSK	1	1	17.53	17.41	17.31	19.2	0.0	
Channel Frequency (MHz)									
				370500	373000	381500	19.2	MPR	limit (dB)
				1852.5	1880	1907.5			
5	PI/2 BPSK	1	1	17.51	17.37	17.35	19.2	0.0	

n2_Ant 1 DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
				372000 1860	376000 1890	380000 1900			
Channel									
	Frequency (MHz)								
20	PI/2 BPSK	1	1	19.21	19.25	19.20	20.7	0.0	
20	PI/2 BPSK	1	53	19.65	19.79	19.69			
20	PI/2 BPSK	1	104	19.37	19.25	19.19			
20	PI/2 BPSK	50	0	19.12	19.03	19.07	20.7	0.0	
20	PI/2 BPSK	50	28	19.65	19.75	19.66	20.7	0.0	
20	PI/2 BPSK	50	56	19.21	19.09	19.41	20.7	0.0	
20	PI/2 BPSK	100	0	19.14	19.34	19.20			
20	QPSK	1	1	19.24	19.34	19.37			
20	QPSK	1	53	19.54	19.70	19.59	20.7	0.0	
20	QPSK	1	104	19.21	19.21	19.38	20.7	0.0	
20	QPSK	50	0	19.37	19.27	19.93			
20	QPSK	50	28	19.46	19.49	19.48			
20	QPSK	50	56	19.15	19.30	19.30	20.7	0.0	
20	QPSK	100	0	19.29	19.26	19.25	20.7	0.0	
20	16QAM	1	1	19.14	19.27	19.30			
20	64QAM	1	1	19.00	19.29	19.15			
20	256QAM	1	1	19.08	19.18	19.13	20.2	0.5	
Channel									
	Frequency (MHz)			371500	376000	380500	19.2	MPR	limit (dB)
				1857.5	1880	1902.5			
15	PI/2 BPSK	1	1	19.06	19.22	19.24	20.7	0.0	
Channel									
	Frequency (MHz)			371000	376000	381000	19.2	MPR	limit (dB)
				1855	1880	1905			
10	PI/2 BPSK	1	1	19.10	19.25	19.19	20.7	0.0	
Channel									
	Frequency (MHz)			370500	373000	381500	19.2	MPR	limit (dB)
				1852.5	1880	1907.5			
5	PI/2 BPSK	1	1	19.22	19.14	19.13	20.7	0.0	

n2_Ant 4_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	376000 1890	380000 1900			
Channel Frequency (MHz)									
20	PI/2 BPSK	1	1	17.87	17.99	18.09	19.2	0.0	
20	PI/2 BPSK	1	53	18.61	18.65	18.57			
20	PI/2 BPSK	1	104	18.03	18.00	18.04			
20	PI/2 BPSK	50	0	18.45	18.54	18.51	19.2	0.0	
20	PI/2 BPSK	50	28	18.45	18.50	18.50	19.2	0.0	
20	PI/2 BPSK	50	56	18.42	18.52	18.32	19.2	0.0	
20	PI/2 BPSK	100	0	18.37	18.55	18.36			
20	QPSK	1	1	18.02	18.07	18.04			
20	QPSK	1	53	18.56	18.56	18.40	19.2	0.0	
20	QPSK	1	104	17.88	18.07	17.87	19.2	0.0	
20	QPSK	50	0	18.45	18.44	18.43			
20	QPSK	50	28	18.44	18.52	18.42			
20	QPSK	50	56	18.23	18.35	18.45	19.2	0.0	
20	QPSK	100	0	18.41	18.35	18.32	19.2	0.0	
20	16QAM	1	1	17.81	17.74	17.82			
20	16QAM	1	1	17.81	17.76	17.78			
20	256QAM	1	1	17.39	17.43	17.34	18.2	1.0	
Channel Frequency (MHz)									
				371500	376000	380500	19.2	MPR	limit (dB)
				1857.5	1880	1902.5			
15	PI/2 BPSK	1	1	17.87	18.06	18.06	19.2	0.0	
Channel Frequency (MHz)									
				371000	376000	381000	19.2	MPR	limit (dB)
				1855	1880	1905			
10	PI/2 BPSK	1	1	18.00	18.08	17.91	19.2	0.0	
Channel Frequency (MHz)									
				370500	373000	381500	19.2	MPR	limit (dB)
				1852.5	1880	1907.5			
5	PI/2 BPSK	1	1	17.84	18.07	17.90	19.2	0.0	

n25_Ant 0_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PV2 BPSK	1	1	17.55	17.54	17.51	19.2	0.0	
40	PV2 BPSK	1	108	17.98	18.12	18.12			
40	PV2 BPSK	1	214	17.69	17.64	17.54			
40	PV2 BPSK	108	0	17.49	17.47	17.49	19.2	0.0	
40	PV2 BPSK	108	54	17.97	18.09	17.99	19.2	0.0	
40	PV2 BPSK	108	108	17.58	17.53	17.67	19.2	0.0	
40	PV2 BPSK	216	0	17.54	17.60	17.47			
40	QPSK	1	1	17.64	17.64	17.68			
40	QPSK	1	108	17.67	18.01	17.89	19.2	0.0	
40	QPSK	1	214	17.50	17.59	17.67	19.2	0.0	
40	QPSK	108	0	17.71	17.63	17.36			
40	QPSK	108	54	17.77	17.85	17.78			
40	QPSK	108	108	17.58	17.75	17.54	19.2	0.0	
40	QPSK	216	0	17.57	17.56	17.66	19.2	0.0	
40	16QAM	1	1	17.54	17.58	17.61			
40	64QAM	1	1	17.37	17.57	17.46			
40	256QAM	1	1	17.49	17.56	17.53	19.2	0.0	
Channel				373000	376500	380000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1865	1882.5	1900	limit (dBm)		
30	PV2 BPSK	1	1	17.30	17.45	17.34	19.2	0.0	
Channel				372500	376500	380500	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1882.5	1902.5	limit (dBm)		
25	PV2 BPSK	1	1	17.44	17.44	17.43	19.2	0.0	
Channel				372000	376500	381000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1860	1882.5	1905	limit (dBm)		
20	PV2 BPSK	1	1	17.51	17.49	17.32	19.2	0.0	
Channel				371500	376500	381500	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1857.5	1882.5	1907.5	limit (dBm)		
15	PV2 BPSK	1	1	17.42	17.37	17.44	19.2	0.0	
Channel				371000	376500	382000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1855	1882.5	1910	limit (dBm)		
10	PV2 BPSK	1	1	17.42	17.42	17.50	19.2	0.0	
Channel				370500	376500	382500	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1852.5	1882.5	1912.5	limit (dBm)		
5	PV2 BPSK	1	1	17.48	17.47	17.32	19.2	0.0	

n25_Ant 1_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PV2 BPSK	1	1	19.25	19.30	19.28	20.7	0.0	
40	PV2 BPSK	1	108	19.74	19.89	19.82			
40	PV2 BPSK	1	214	19.48	19.39	19.28			
40	PV2 BPSK	108	0	19.25	19.19	19.23	20.7	0.0	
40	PV2 BPSK	108	54	19.74	19.85	19.73	20.7	0.0	
40	PV2 BPSK	108	108	19.35	19.23	19.47	20.7	0.0	
40	PV2 BPSK	216	0	19.56	19.62	19.42			
40	QPSK	1	1	19.34	19.38	19.41			
40	QPSK	1	108	19.50	19.79	19.65	20.7	0.0	
40	QPSK	1	214	19.27	19.33	19.46			
40	QPSK	108	0	19.43	19.34	19.11	20.7	0.0	
40	QPSK	108	54	19.52	19.61	19.58	20.7	0.0	
40	QPSK	108	108	19.34	19.45	19.32	20.7	0.0	
40	QPSK	216	0	19.36	19.35	19.37	20.7	0.0	
40	16QAM	1	1	19.32	19.32	19.33			
40	16QAM	1	1	19.09	19.37	19.22			
40	256QAM	1	1	19.20	19.30	19.33	20.3	0.2	0.5
Channel				373000	376500	380000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1865	1882.5	1900	limit (dBm)		
30	PV2 BPSK	1	1	19.11	19.20	19.16	20.7	0.0	
Channel				372500	376500	380500	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1882.5	1902.5	limit (dBm)		
25	PV2 BPSK	1	1	19.05	19.10	19.11	20.7	0.0	
Channel				372000	376500	381000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1860	1882.5	1905	limit (dBm)		
20	PV2 BPSK	1	1	19.05	19.24	19.27	20.7	0.0	
Channel				371500	376500	381500	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1897.5	1882.5	1907.5	limit (dBm)		
15	PV2 BPSK	1	1	19.12	19.26	19.21	20.7	0.0	
Channel				371000	376500	382000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1855	1882.5	1910	limit (dBm)		
10	PV2 BPSK	1	1	19.08	19.14	19.22	20.7	0.0	
Channel				370500	376500	382500	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1852.5	1882.5	1912.5	limit (dBm)		
5	PV2 BPSK	1	1	19.13	19.14	19.21	20.7	0.0	

n25_Ant 4_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PV2 BPSK	1	1	18.04	18.13	18.10	19.2	0.0	
40	PV2 BPSK	1	108	18.64	18.69	18.65			
40	PV2 BPSK	1	214	18.10	18.13	18.10			
40	PV2 BPSK	108	0	18.60	18.60	18.57	19.2	0.0	
40	PV2 BPSK	108	54	18.64	18.68	18.60	19.2	0.0	
40	PV2 BPSK	108	108	18.47	18.56	18.49	19.2	0.0	
40	PV2 BPSK	216	0	18.54	18.57	18.52			
40	QPSK	1	1	18.08	18.12	18.12			
40	QPSK	1	108	18.61	18.61	18.58	19.2	0.0	
40	QPSK	1	214	18.01	18.08	17.98			
40	QPSK	108	0	18.50	18.57	18.47	19.2	0.0	
40	QPSK	108	54	18.57	18.62	18.60	19.2	0.0	
40	QPSK	108	108	18.43	18.52	18.52	19.2	0.0	
40	QPSK	216	0	18.50	18.54	18.46	19.2	0.0	
40	16QAM	1	1	17.86	17.90	17.88			
40	64QAM	1	1	17.86	17.96	17.86			
40	256QAM	1	1	17.48	17.52	17.44	18.2	1.0	
Channel				373000	376500	380000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1865	1882.5	1900	limit (dBm)		
30	PV2 BPSK	1	1	17.89	18.03	17.90	19.2	0.0	
Channel				372500	376500	380500	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1862.5	1882.5	1902.5	limit (dBm)		
25	PV2 BPSK	1	1	17.94	18.03	18.09	19.2	0.0	
Channel				372000	376500	381000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1860	1882.5	1905	limit (dBm)		
20	PV2 BPSK	1	1	18.00	17.96	18.01	19.2	0.0	
Channel				371500	376500	381500	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1897.5	1882.5	1897.5	limit (dBm)		
15	PV2 BPSK	1	1	18.12	18.09	18.06	19.2	0.0	
Channel				371000	376500	382000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1855	1882.5	1910	limit (dBm)		
10	PV2 BPSK	1	1	17.87	17.93	18.07	19.2	0.0	
Channel				370500	376500	382500	Turn-up limit (dBm)	MPR	
Frequency (MHz)				1852.5	1882.5	1912.5	limit (dBm)		
5	PV2 BPSK	1	1	17.89	18.09	18.01	19.2	0.0	

n66_Ant 0_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PV2 BPSK	1	1	1750	1758	1761	19.2	0.0	
40	PV2 BPSK	1	108	18.11	18.22	18.17			
40	PV2 BPSK	1	214	17.56	17.67	17.52			
40	PV2 BPSK	108	0	1739	1759	1752	19.2	0.0	
40	PV2 BPSK	108	54	18.07	18.20	18.07	19.2	0.0	
40	PV2 BPSK	108	108	17.82	17.64	17.57	19.2	0.0	
40	PV2 BPSK	216	0	1742	1748	1746	19.2	0.0	
40	QPSK	1	1	18.05	18.21	18.14			
40	QPSK	1	108	17.44	17.57	17.46			
40	QPSK	1	214	17.36	17.50	17.53	19.2	0.0	
40	QPSK	108	0	18.02	18.17	18.06			
40	QPSK	108	54	17.48	17.64	17.50			
40	QPSK	108	108	17.38	17.54	17.48	19.2	0.0	
40	QPSK	216	0	18.04	18.16	18.15	19.2	0.0	
40	16QAM	1	1	17.38	17.55	17.49			
40	16QAM	1	1	17.31	17.49	17.36			
40	256QAM	1	1	17.28	17.43	17.37	19.2	0.0	
Channel				345000	349000	353000			
Frequency (MHz)				1722	1745	1765			
30	PV2 BPSK	1	1	1737	1753	1754	19.2	0.0	
Channel				344600	349000	353600			
Frequency (MHz)				1722.5	1745	1767.5			
25	PV2 BPSK	1	1	1731	1742	1756	19.2	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	1745	1745	1744	19.2	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	PV2 BPSK	1	1	1740	1744	1753	19.2	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	PV2 BPSK	1	1	1741	1749	1745	19.2	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	PV2 BPSK	1	1	1745	1741	1752	19.2	0.0	

n66_Ant 1_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PV2 BPSK	1	1	21.39	21.47	21.37	23.2	0.0	
40	PV2 BPSK	1	108	22.00	22.07	22.01			
40	PV2 BPSK	1	214	21.46	21.53	21.47			
40	PV2 BPSK	108	0	21.81	21.84	21.74	23.2	0.0	
40	PV2 BPSK	108	54	21.94	22.01	22.00	23.2	0.0	
40	PV2 BPSK	108	108	21.63	21.73	21.66	23.2	0.0	
40	PV2 BPSK	216	0	21.70	21.75	21.73			
40	QPSK	1	1	21.37	21.45	21.43			
40	QPSK	1	108	22.03	22.04	21.99	23.2	0.0	
40	QPSK	1	214	21.35	21.42	21.34			
40	QPSK	108	0	21.89	21.71	21.67			
40	QPSK	108	54	21.94	22.04	21.96	23.2	0.0	
40	QPSK	108	108	21.64	21.69	21.68	23.2	0.0	
40	QPSK	216	0	21.68	21.71	21.67			
40	16QAM	1	1	21.21	21.22	21.22	23.2	0.0	
40	64QAM	1	1	20.20	20.26	20.22	22.2	1.0	
40	256QAM	1	1	18.91	18.91	18.87	20.2	3.0	
Channel				345000	349000	353000			
Frequency (MHz)				1722	1745	1765			
30	PV2 BPSK	1	1	21.26	21.45	21.27	23.2	0.0	
Channel				344600	349000	353600			
Frequency (MHz)				1722.5	1745	1767.5			
25	PV2 BPSK	1	1	21.25	21.36	21.20	23.2	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	21.32	21.40	21.27	23.2	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	PV2 BPSK	1	1	21.31	21.33	21.24	23.2	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	PV2 BPSK	1	1	21.26	21.29	21.19	23.2	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	PV2 BPSK	1	1	21.19	21.35	21.29	23.2	0.0	

n66_Ant 4_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PV2 BPSK	1	1	21.39	21.47	21.37	23.2	0.0	
40	PV2 BPSK	1	108	22.00	22.07	22.01			
40	PV2 BPSK	1	214	21.46	21.53	21.47			
40	PV2 BPSK	108	0	21.81	21.84	21.74	23.2	0.0	
40	PV2 BPSK	108	54	21.94	22.01	22.00	23.2	0.0	
40	PV2 BPSK	108	108	21.63	21.73	21.66	23.2	0.0	
40	PV2 BPSK	216	0	21.70	21.75	21.73			
40	QPSK	1	1	21.37	21.45	21.43			
40	QPSK	1	108	22.03	22.04	21.98	23.2	0.0	
40	QPSK	1	214	21.35	21.42	21.34			
40	QPSK	108	0	21.89	21.71	21.67			
40	QPSK	108	54	21.94	22.04	21.96	23.2	0.0	
40	QPSK	108	108	21.64	21.69	21.68	23.2	0.0	
40	QPSK	216	0	21.68	21.71	21.67			
40	16QAM	1	1	21.21	21.22	21.22	23.2	0.0	
40	64QAM	1	1	20.20	20.26	20.22	22.2	1.0	
40	256QAM	1	1	18.91	18.91	18.87	20.2	3.0	
Channel				345000	349000	353000			
Frequency (MHz)				1722	1745	1765			
30	PV2 BPSK	1	1	21.35	21.37	21.24	23.2	0.0	
Channel				344600	349000	353600			
Frequency (MHz)				1722.5	1745	1767.5			
25	PV2 BPSK	1	1	21.25	21.36	21.19	23.2	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	21.35	21.41	21.24	23.2	0.0	
Channel				343500	349000	354500			
Frequency (MHz)				1717.5	1745	1772.5			
15	PV2 BPSK	1	1	21.25	21.37	21.17	23.2	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	PV2 BPSK	1	1	21.38	21.37	21.24	23.2	0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	PV2 BPSK	1	1	21.31	21.31	21.32	23.2	0.0	

n71_Ant 0_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0	
20	PI/2 BPSK	1	53	24.10	24.21	24.15			
20	PI/2 BPSK	1	104	23.98	24.15	24.02			
20	PI/2 BPSK	50	0	23.51	23.65	23.58			
20	PI/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0	
20	PI/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5	
20	PI/2 BPSK	100	0	23.53	23.76	23.67			
20	QPSK	1	1	23.91	24.08	23.95	25.2	0.0	
20	QPSK	1	53	24.05	24.18	24.14			
20	QPSK	1	104	23.94	24.11	23.95			
20	QPSK	50	0	22.98	23.15	23.16			
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0	
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0	
20	QPSK	100	0	23.02	23.25	23.18			
20	16QAM	1	1	22.89	22.82	22.72	24.2	1.0	
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5	
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	PI/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				668	680.5	693			
10	PI/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	PI/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0	

n71_Ant 1_DSI18									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dbm)	MPR (db)	
				Power Ch. / Freq.	Power Ch. / Freq.	Power Ch. / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0	
20	PI2 BPSK	1	53	24.14	24.14	24.16			
20	PI2 BPSK	1	104	23.99	24.08	24.02			
20	PI2 BPSK	50	0	23.58	23.68	23.67			
20	PI2 BPSK	50	28	24.13	24.16	24.15	25.2	0.0	
20	PI2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5	
20	PI2 BPSK	100	0	23.61	23.77	23.70			
20	QPSK	1	1	23.99	24.07	24.01	25.2	0.0	
20	QPSK	1	53	24.11	24.17	24.15			
20	QPSK	1	104	23.97	24.02	23.95			
20	QPSK	50	0	23.08	23.14	23.16			
20	QPSK	50	28	24.12	24.16	24.14	25.2	0.0	
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0	
20	QPSK	100	0	23.06	23.25	23.18			
20	16QAM	1	1	22.74	22.86	22.76	24.2	1.0	
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5	
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5			
15	PI2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0	
Channel				133600	136100	138600			
Frequency (MHz)				668	680.5	693			
10	PI2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665.5	680.5	695.5			
5	PI2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0	



n2_Ant 0_DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)	
				Power Low	Power Middle	Power High			
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.			
				372000	376000	380000			
				1860	1880	1900			
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	19.32	19.30	19.30			
20	PI/2 BPSK	1	53	19.83	20.08	20.05	21.2	0.0	
20	PI/2 BPSK	1	104	19.56	19.58	19.26			
20	PI/2 BPSK	50	0	19.29	19.38	19.41	21.2	0.0	
20	PI/2 BPSK	50	26	19.88	20.07	19.92	21.2	0.0	
20	PI/2 BPSK	50	56	19.46	19.34	19.52			
20	PI/2 BPSK	100	0	19.29	19.44	19.35	21.2	0.0	
20	QPSK	1	1	19.41	19.48	19.46			
20	QPSK	1	53	19.68	19.84	19.77	21.2	0.0	
20	QPSK	1	104	19.41	19.51	19.60			
20	QPSK	50	0	19.52	19.51	19.24	21.2	0.0	
20	QPSK	50	28	19.64	19.71	19.64	21.2	0.0	
20	QPSK	50	56	19.52	19.69	19.33			
20	QPSK	100	0	19.32	19.38	19.49			
20	16QAM	1	1	19.40	19.39	19.43	21.2	0.0	
20	64QAM	1	1	19.22	19.34	19.34	21.2	0.0	
20	256QAM	1	1	19.38	19.53	19.41	20.2	1.0	
Channel				371500	376000	380500	Tune-up limit (dbm)	MPR	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI/2 BPSK	1	1	19.31	19.30	19.29	21.2	0.0	
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR	
Frequency (MHz)				1855	1880	1905			
10	PI/2 BPSK	1	1	19.43	19.29	19.41	21.2	0.0	
Channel				370500	376000	381500	Tune-up limit (dbm)	MPR	
Frequency (MHz)				1852.5	1880	1907.5			
5	PI/2 BPSK	1	1	19.31	19.34	19.23	21.2	0.0	

n2_Ant 1_DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	376000	380000			
Channel				1860	1880	1900			
Frequency (MHz)									
20	PI/2 BPSK	1	1	20.39	20.40	20.36			
20	PI/2 BPSK	1	53	20.83	20.99	20.86	22.2	0.0	
20	PI/2 BPSK	1	104	20.61	20.43	20.43			
20	PI/2 BPSK	50	0	20.35	20.18	20.25	22.2	0.0	
20	PI/2 BPSK	50	28	20.90	20.95	20.89	22.2	0.0	
20	PI/2 BPSK	50	56	20.42	20.34	20.62			
20	PI/2 BPSK	100	0	20.30	20.53	20.37	22.2	0.0	
20	QPSK	1	1	20.46	20.54	20.53			
20	QPSK	1	53	20.71	20.91	20.79	22.2	0.0	
20	QPSK	1	104	20.44	20.37	20.55			
20	QPSK	50	0	20.52	20.47	20.00	22.2	0.0	
20	QPSK	50	28	20.69	20.64	20.70	22.2	0.0	
20	QPSK	50	56	20.38	20.45	20.51			
20	QPSK	100	0	20.45	20.51	20.45	22.2	0.0	
20	16QAM	1	1	20.29	20.42	20.55	22.2	0.0	
20	64QAM	1	1	20.16	20.49	20.38	22.2	0.0	
20	256QAM	1	1	19.54	19.61	19.54	20.2	2.0	
Channel				371500	376000	380500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI/2 BPSK	1	1	20.35	20.39	20.43	22.2	0.0	
Channel				371000	376000	381000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1855	1880	1902			
10	PI/2 BPSK	1	1	20.41	20.47	20.48			
Channel				370500	376000	381500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1852.5	1880	1907.5			
5	PI/2 BPSK	1	1	20.46	20.32	20.38	22.2	0.0	



n66_Ant 1_DS11									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				Channel	346000	349000	352000		
				Frequency (MHz)	1730	1745	1760		
40	PI/2 BPSK	1	1		20.12	20.10	20.00	21.7	0.0
40	PI/2 BPSK	1	108		20.68	20.77	20.67		
40	PI/2 BPSK	1	214		20.11	19.99	20.05		
40	PI/2 BPSK	108	0		20.04	20.12	20.00	21.7	0.0
40	PI/2 BPSK	108	54		20.59	20.70	20.68	21.7	0.0
40	PI/2 BPSK	108	108		19.87	19.87	19.92	21.7	0.0
40	PI/2 BPSK	216	0		19.94	20.05	19.95		
40	QPSK	1	1		19.95	20.07	20.05		
40	QPSK	1	108		20.63	20.68	20.60	21.7	0.0
40	QPSK	1	214		20.01	20.06	20.03		
40	QPSK	108	0		19.88	19.97	19.92	21.7	0.0
40	QPSK	108	54		20.55	20.59	20.54	21.7	0.0
40	QPSK	108	108		20.03	20.08	20.01	21.7	0.0
40	QPSK	216	0		20.05	19.99	19.96		
40	16QAM	1	1		19.91	19.94	19.86	21.7	0.0
40	64QAM	1	1		20.04	20.01	19.99	21.7	0.0
40	256QAM	1	1		19.18	19.12	19.15	20.2	1.5
				Channel	345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1725	1745	1765		
30	PI/2 BPSK	1	1		20.10	20.07	19.98	21.7	0.0
				Channel	344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1722.5	1745	1767.5		
25	PI/2 BPSK	1	1		20.11	20.08	19.97	21.7	0.0
				Channel	344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1720	1745	1770		
20	PI/2 BPSK	1	1		20.10	20.03	19.97	21.7	0.0
				Channel	343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1717.5	1745	1772.5		
15	PI/2 BPSK	1	1		20.08	20.09	19.95	21.7	0.0
				Channel	343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1715	1745	1775		
10	PI/2 BPSK	1	1		20.08	20.06	19.98	21.7	0.0
				Channel	342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1712.5	1745	1777.5		
5	PI/2 BPSK	1	1		20.08	20.05	19.96	21.7	0.0



n71_Ant 0_DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				67.2	680.5	693			
20	PI/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0	
20	PI/2 BPSK	1	53	24.10	24.21	24.15			
20	PI/2 BPSK	1	104	23.98	24.15	24.02			
20	PI/2 BPSK	50	0	23.51	23.65	23.68			
20	PI/2 BPSK	50	28	24.08	24.20	24.13	24.7	0.5	
20	PI/2 BPSK	50	56	23.55	23.66	23.73			
20	PI/2 BPSK	100	0	23.53	23.70	23.67			
20	QPSK	1	1	23.91	24.08	23.95			
20	QPSK	1	53	24.05	24.18	24.14	25.2	0.0	
20	QPSK	1	104	23.94	24.11	23.95			
20	QPSK	50	0	22.98	23.15	23.16			
20	QPSK	50	28	24.04	24.18	24.12			
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0	
20	QPSK	100	0	23.02	23.25	23.18			
20	16QAM	1	1	22.69	22.82	22.72			
20	64QAM	1	1	21.23	21.42	21.28			
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5	
Channel				134100	136100	138100	limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	PI/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0	
Channel				133600	136100	138600	limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	PI/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0	
Channel				133100	136100	139100	limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	PI/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0	

n71_Ant 1_DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				67.3	680.5	693			
20	PI/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0	
20	PI/2 BPSK	1	53	24.14	24.19	24.16			
20	PI/2 BPSK	1	104	23.99	24.08	24.02			
20	PI/2 BPSK	50	0	23.58	23.68	23.67			
20	PI/2 BPSK	50	28	24.13	24.16	24.15	24.7	0.5	
20	PI/2 BPSK	50	56	23.62	23.63	23.72			
20	PI/2 BPSK	100	0	23.61	23.77	23.70			
20	QPSK	1	1	23.99	24.07	24.01			
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0	
20	QPSK	1	104	23.97	24.02	23.95			
20	QPSK	50	0	23.08	23.14	23.16			
20	QPSK	50	28	24.12	24.16	24.14			
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0	
20	QPSK	100	0	23.08	23.25	23.18			
20	16QAM	1	1	22.74	22.86	22.75			
20	64QAM	1	1	21.33	21.41	21.35			
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5	
Channel				134100	136100	138100	limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	PI/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0	
Channel				133600	136100	138600	limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	PI/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0	
Channel				133100	136100	139100	limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	PI/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0	



n2_Ant 0_DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	Pi2 BPSK	1	1	17.80	17.88	17.79	19.7	0.0
20	Pi2 BPSK	1	53	18.26	18.53	18.47		
20	Pi2 BPSK	1	104	17.99	18.07	17.98		
20	Pi2 BPSK	50	0	17.79	17.79	17.89	19.7	0.0
20	Pi2 BPSK	50	28	18.36	18.42	18.38	19.7	0.0
20	Pi2 BPSK	50	56	18.02	18.01	18.09	19.7	0.0
20	Pi2 BPSK	100	0	17.78	18.00	17.89	19.7	0.0
20	QPSK	1	1	18.00	18.03	18.10	19.7	0.0
20	QPSK	1	53	18.34	18.42	18.25		
20	QPSK	1	104	17.77	18.01	17.95		
20	QPSK	50	0	18.14	18.03	17.71	19.7	0.0
20	QPSK	50	28	18.07	18.26	18.15	19.7	0.0
20	QPSK	50	56	17.97	18.10	17.94	19.7	0.0
20	QPSK	100	0	18.04	17.93	17.99	19.7	0.0
20	16QAM	1	1	17.87	17.95	17.98	19.7	0.0
20	64QAM	1	1	17.88	17.83	17.79	19.7	0.0
20	256QAM	1	1	17.76	17.98	17.96	19.7	0.0
Channel				371500	376000	380500	limit	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	Pi2 BPSK	1	1	17.79	17.88	17.83	19.7	0.0
Channel				371000	376000	381000	limit	MPR
Frequency (MHz)				1865	1880	1905		
10	Pi2 BPSK	1	1	17.94	17.92	17.91	19.7	0.0
Channel				370500	376000	381500	limit	MPR
Frequency (MHz)				1852.5	1880	1907.5		
5	Pi2 BPSK	1	1	17.82	17.83	17.80	19.7	0.0

n2_Ant 1_DSI6								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch./Freq. [MHz]	Power Middle Ch./Freq. [MHz]	Power High Ch./Freq. [MHz]		
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PV2 BPSK	1	1	17.86	17.92	17.93	19.7	0.0
20	PV2 BPSK	1	53	18.36	18.48	18.39		
20	PV2 BPSK	1	104	18.05	17.91	17.89		
20	PV2 BPSK	50	0	17.86	17.72	17.75	19.7	0.0
20	PV2 BPSK	50	28	18.40	18.46	18.33	19.7	0.0
20	PV2 BPSK	50	56	17.93	17.80	18.08	19.7	0.0
20	PV2 BPSK	100	0	17.79	18.04	17.93	19.7	0.0
20	QPSK	1	1	17.96	18.00	18.10	19.7	0.0
20	QPSK	1	53	18.27	18.35	18.33		
20	QPSK	1	104	17.92	17.86	18.04		
20	QPSK	50	0	18.09	18.02	17.78	19.7	0.0
20	QPSK	50	28	18.17	18.23	18.17	19.7	0.0
20	QPSK	50	56	17.82	17.99	17.96	19.7	0.0
20	QPSK	100	0	18.01	17.96	17.96	19.7	0.0
20	16QAM	1	1	17.88	18.00	18.05	19.7	0.0
20	64QAM	1	1	17.71	18.04	17.83	19.7	0.0
20	256QAM	1	1	17.83	17.83	17.80	19.7	0.0
Channel				371500	376000	380500	limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	PV2 BPSK	1	1	17.83	17.89	17.91	19.7	0.0
Channel				371000	376000	381000	limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	PV2 BPSK	1	1	17.81	17.87	17.88	19.7	0.0
Channel				370500	376000	381500	limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	PV2 BPSK	1	1	17.83	17.88	17.92	19.7	0.0

n25_Ant 0_DSI7									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				374000	376500	379000			
Channel				1870	1882.5	1895			
Frequency (MHz)				1870	1882.5	1895			
40	PV2 BPSK	1	1	17.97	18.01	17.94	19.7	0.0	
40	PV2 BPSK	1	108	18.39	18.56	18.55			
40	PV2 BPSK	1	214	18.12	18.08	18.03			
40	PV2 BPSK	108	0	17.94	17.94	17.92	19.7	0.0	
40	PV2 BPSK	108	54	18.44	18.55	18.40	19.7	0.0	
40	PV2 BPSK	108	108	18.06	18.03	18.17	19.7	0.0	
40	PV2 BPSK	216	0	17.94	18.05	17.95			
40	QPSK	1	1	18.06	18.06	18.12			
40	QPSK	1	108	18.37	18.46	18.36	19.7	0.0	
40	QPSK	1	214	17.91	18.02	18.15			
40	QPSK	108	0	18.19	18.08	17.81			
40	QPSK	108	54	18.23	18.34	18.28	19.7	0.0	
40	QPSK	108	108	18.01	18.19	18.00	19.7	0.0	
40	QPSK	216	0	18.06	18.06	18.06	19.7	0.0	
40	16QAM	1	1	18.03	17.99	18.08	19.7	0.0	
40	64QAM	1	1	17.77	17.99	17.95	19.7	0.0	
40	256QAM	1	1	17.95	17.99	18.03	19.7	0.0	
Channel				373000	376500	380000	limit		
Frequency (MHz)				1885	1882.5	1890	limit		
30	PV2 BPSK	1	1	17.98	17.97	17.91	19.7	0.0	
Channel				372500	376500	380500	limit		
Frequency (MHz)				1862.5	1882.5	1902.5	limit		
25	PV2 BPSK	1	1	17.98	17.97	17.93	19.7	0.0	
Channel				372000	376500	381000	limit		
Frequency (MHz)				1860	1882.5	1905	limit		
20	PV2 BPSK	1	1	17.96	17.98	17.90	19.7	0.0	
Channel				371500	376500	381500	limit		
Frequency (MHz)				1857.5	1882.5	1907.5	limit		
15	PV2 BPSK	1	1	17.96	18.00	17.92	19.7	0.0	
Channel				371000	376500	382000	limit		
Frequency (MHz)				1855	1882.5	1910	limit		
10	PV2 BPSK	1	1	17.95	17.99	17.92	19.7	0.0	
Channel				370500	376500	382500	limit		
Frequency (MHz)				1852.5	1882.5	1912.5	limit		
5	PV2 BPSK	1	1	17.94	17.96	17.90	19.7	0.0	

n25_Ant 1_DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				374000	376500	379000			
Channel				1870	1882.5	1895			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	17.95	18.01	17.98	19.7	0.0	
40	PI2 BPSK	1	108	18.45	18.59	18.50			
40	PI2 BPSK	1	214	18.14	18.07	18.02			
40	PI2 BPSK	108	0	17.99	17.93	17.92	19.7	0.0	
40	PI2 BPSK	108	54	18.49	18.55	18.38	19.7	0.0	
40	PI2 BPSK	108	108	18.00	17.92	18.17	19.7	0.0	
40	PI2 BPSK	216	0	18.23	18.31	18.11			
40	QPSK	1	1	18.06	18.04	18.16			
40	QPSK	1	108	18.29	18.50	18.37	19.7	0.0	
40	QPSK	1	214	17.92	18.04	18.20			
40	QPSK	108	0	18.11	18.08	17.76			
40	QPSK	108	54	18.21	18.31	18.32	19.7	0.0	
40	QPSK	108	108	18.02	18.18	18.07	19.7	0.0	
40	QPSK	216	0	18.11	18.03	18.12	19.7	0.0	
40	16QAM	1	1	17.98	18.01	18.02	19.7	0.0	
40	64QAM	1	1	17.75	18.06	17.95	19.7	0.0	
40	256QAM	1	1	17.86	18.01	18.08	19.7	0.0	
Channel				375000	376500	380000	limit		
Frequency (MHz)				1885	1882.5	1890	limit		
30	PI2 BPSK	1	1	17.91	17.97	17.93	19.7	0.0	
Channel				372500	376500	380500	limit		
Frequency (MHz)				1862.5	1882.5	1902.5	limit		
25	PI2 BPSK	1	1	17.93	18.00	17.97	19.7	0.0	
Channel				372000	376500	381000	limit		
Frequency (MHz)				1860	1882.5	1905	limit		
20	PI2 BPSK	1	1	17.94	18.00	17.96	19.7	0.0	
Channel				371500	376500	381500	limit		
Frequency (MHz)				1857.5	1882.5	1907.5	limit		
15	PI2 BPSK	1	1	17.91	17.97	17.95	19.7	0.0	
Channel				371000	376500	382000	limit		
Frequency (MHz)				1855	1882.5	1910	limit		
10	PI2 BPSK	1	1	17.90	17.98	17.96	19.7	0.0	
Channel				370500	376500	382500	limit		
Frequency (MHz)				1852.5	1882.5	1912.5	limit		
5	PI2 BPSK	1	1	17.90	17.97	17.95	19.7	0.0	

n66_Ant 0_DSI7									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	349000	353000			
Channel				1730	1745	1760			
Frequency (MHz)				1730	1745	1760			
40	PV2 BPSK	1	1	16.94	16.98	16.98	18.7	0.0	
40	PV2 BPSK	1	108	17.50	17.69	17.81			
40	PV2 BPSK	1	214	17.04	17.13	16.93			
40	PV2 BPSK	108	0	16.78	17.00	16.98	18.7	0.0	
40	PV2 BPSK	108	54	17.46	17.60	17.52	18.7	0.0	
40	PV2 BPSK	108	108	17.16	17.13	16.98	18.7	0.0	
40	PV2 BPSK	216	0	16.87	16.98	16.97			
40	QPSK	1	1	17.42	17.57	17.86			
40	QPSK	1	108	16.90	17.08	16.99	18.7	0.0	
40	QPSK	1	214	16.85	16.93	16.93			
40	QPSK	108	0	17.45	17.60	17.56			
40	QPSK	108	54	16.92	17.08	16.95	18.7	0.0	
40	QPSK	108	108	16.81	16.99	16.87	18.7	0.0	
40	QPSK	216	0	17.45	17.63	17.54			
40	16QAM	1	1	16.81	17.07	16.92			
40	64QAM	1	1	16.76	16.95	16.78	18.7	0.0	
40	256QAM	1	1	16.68	16.89	16.91	18.7	0.0	
Channel				345000	349000	353000	1730	1745	1760
Frequency (MHz)				1722.5	1745	1767.5	limit (dBm)	limit (dBm)	limit (dBm)
30	PV2 BPSK	1	1	16.93	16.94	16.97	18.7	0.0	
Channel				344500	349000	353500	1722.5	1745	1767.5
Frequency (MHz)				1722.5	1745	1767.5	limit (dBm)	limit (dBm)	limit (dBm)
25	PV2 BPSK	1	1	16.92	16.93	16.93	18.7	0.0	
Channel				344000	349000	354000	1717.5	1745	1772.5
Frequency (MHz)				1720	1745	1770	limit (dBm)	limit (dBm)	limit (dBm)
20	PV2 BPSK	1	1	16.90	16.91	16.95	18.7	0.0	
Channel				343500	349000	354500	1712.5	1745	1777.5
Frequency (MHz)				1717.5	1745	1772.5	limit (dBm)	limit (dBm)	limit (dBm)
15	PV2 BPSK	1	1	16.91	16.91	16.97	18.7	0.0	
Channel				343000	349000	355000	1712.5	1745	1777.5
Frequency (MHz)				1715	1745	1775	limit (dBm)	limit (dBm)	limit (dBm)
10	PV2 BPSK	1	1	16.91	16.91	16.96	18.7	0.0	
Channel				342500	349000	355500	1712.5	1745	1777.5
Frequency (MHz)				1712.5	1745	1777.5	limit (dBm)	limit (dBm)	limit (dBm)
5	PV2 BPSK	1	1	16.92	16.95	16.95	18.7	0.0	

n66_Ant 1_DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	349000	353000			
Channel				1730	1745	1760			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	16.14	16.09	17.98	19.7	0.0	
40	PI/2 BPSK	1	108	16.71	16.73	16.87			
40	PI/2 BPSK	1	214	16.13	16.06	16.12			
40	PI/2 BPSK	108	0	16.02	16.07	16.06	19.7	0.0	
40	PI/2 BPSK	108	54	16.58	16.66	16.61	19.7	0.0	
40	PI/2 BPSK	108	108	17.82	17.95	17.90	19.7	0.0	
40	PI/2 BPSK	216	0	17.91	18.03	17.99			
40	QPSK	1	1	17.98	18.03	17.99			
40	QPSK	1	108	16.61	16.67	16.57	19.7	0.0	
40	QPSK	1	214	17.97	18.02	18.03			
40	QPSK	108	0	17.95	17.95	17.88			
40	QPSK	108	54	16.55	16.57	16.59	19.7	0.0	
40	QPSK	108	108	16.03	16.04	16.00	19.7	0.0	
40	QPSK	216	0	17.96	18.00	18.00			
40	16QAM	1	1	17.93	17.95	17.96			
40	64QAM	1	1	16.05	16.03	17.95	19.7	0.0	
40	256QAM	1	1	17.91	17.97	17.89	19.7	0.0	
Channel				345000	349000	353000	1730	1745	1760
Frequency (MHz)				1722.5	1745	1767.5	limit (dBm)	limit (dBm)	limit (dBm)
30	PI/2 BPSK	1	1	16.12	16.06	17.97	19.7	0.0	
Channel				344500	349000	353500	1722.5	1745	1767.5
Frequency (MHz)				1722.5	1745	1767.5	limit (dBm)	limit (dBm)	limit (dBm)
25	PI/2 BPSK	1	1	16.13	16.04	17.94	19.7	0.0	
Channel				344000	349000	354000	1717.5	1745	1772.5
Frequency (MHz)				1720	1745	1770	limit (dBm)	limit (dBm)	limit (dBm)
20	PI/2 BPSK	1	1	16.11	16.08	17.93	19.7	0.0	
Channel				343500	349000	354500	1712.5	1745	1777.5
Frequency (MHz)				1717.5	1745	1772.5	limit (dBm)	limit (dBm)	limit (dBm)
15	PI/2 BPSK	1	1	16.12	16.05	17.93	19.7	0.0	
Channel				343000	349000	355000	1712.5	1745	1777.5
Frequency (MHz)				1715	1745	1775	limit (dBm)	limit (dBm)	limit (dBm)
10	PI/2 BPSK	1	1	16.11	16.02	17.93	19.7	0.0	
Channel				342500	349000	355500	1712.5	1745	1777.5
Frequency (MHz)				1712.5	1745	1777.5	limit (dBm)	limit (dBm)	limit (dBm)
5	PI/2 BPSK	1	1	16.12	16.05	17.93	19.7	0.0	

n71_Ant 0_DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				134600	136100	137600			
Channel				673	680.5	688			
Frequency (MHz)				673	680.5	688			
20	P1/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0	
20	P1/2 BPSK	1	53	24.10	24.21	24.15			
20	P1/2 BPSK	1	104	23.98	24.15	24.02			
20	P1/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5	
20	P1/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0	
20	P1/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5	
20	P1/2 BPSK	100	0	23.53	23.76	23.67			
20	QPSK	1	1	23.91	24.08	23.95			
20	QPSK	1	53	24.05	24.18	24.14	25.2	0.0	
20	QPSK	1	104	23.94	24.11	23.95			
20	QPSK	50	0	22.88	23.15	23.16			
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0	
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0	
20	QPSK	100	0	23.02	23.25	23.18			
20	QPSK	1	1	22.89	22.82	22.72			
20	16QAM	1	1	21.23	21.42	21.28	22.7	2.5	
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5	
Channel				134100	136100	138100	limit		
Frequency (MHz)				670.5	680.5	690.5	limit		
15	P1/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0	
Channel				133600	136100	138600	limit		
Frequency (MHz)				668	680.5	693	limit		
10	P1/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0	
Channel				133100	136100	139100	limit		
Frequency (MHz)				665.5	680.5	695.5	limit		
5	P1/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0	

n71_Ant 1_DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.			
				134600	136100	137600			
Channel				673	680.5	688			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0	
20	PI/2 BPSK	1	53	24.14	24.19	24.16			
20	PI/2 BPSK	1	104	23.99	24.08	24.02			
20	PI/2 BPSK	50	0	23.56	23.68	23.67	24.7	0.5	
20	PI/2 BPSK	50	28	24.13	24.16	24.15	25.2	0.0	
20	PI/2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5	
20	PI/2 BPSK	100	0	23.61	23.77	23.70			
20	QPSK	1	1	23.99	24.07	24.01			
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0	
20	QPSK	1	104	23.97	24.02	23.95			
20	QPSK	50	0	23.08	23.14	23.16			
20	QPSK	50	28	24.12	24.16	24.14	25.2	0.0	
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0	
20	QPSK	100	0	23.08	23.25	23.18			
20	16QAM	1	1	22.74	22.86	22.75			
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5	
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5	
Channel				134100	136100	138100	limit		
Frequency (MHz)				670.5	680.5	690.5	limit		
15	PI/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0	
Channel				133600	136100	138600	limit		
Frequency (MHz)				668	680.5	693	limit		
10	PI/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0	
Channel				133100	136100	139100	limit		
Frequency (MHz)				665.5	680.5	695.5	limit		
5	PI/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0	

n2_Ant 0_DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	378000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0	
20	Pl2 BPSK	1	53	23.59	23.66	23.54			
20	Pl2 BPSK	1	104	23.54	23.55	23.42			
20	Pl2 BPSK	50	0	23.61	23.61	23.52	24.2	0.5	
20	Pl2 BPSK	50	28	23.63	23.64	23.60	24.7	0.0	
20	Pl2 BPSK	50	56	23.62	23.62	23.49	24.2	0.5	
20	Pl2 BPSK	100	0	23.60	23.63	23.52			
20	QPSK	1	1	23.48	23.52	23.42			
20	QPSK	1	53	23.57	23.61	23.52	24.7	0.0	
20	QPSK	1	104	23.48	23.52	23.39	23.7	1.0	
20	QPSK	50	0	23.09	23.06	23.01			
20	QPSK	50	28	23.61	23.63	23.61			
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.15	22.99	23.7	1.0	
20	16QAM	1	1	22.74	22.78	22.64	23.7	1.0	
20	64QAM	1	1	21.28	21.31	21.18	22.2	2.5	
20	256QAM	1	1	19.84	19.86	19.76	20.2	4.5	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	23.45	23.54	23.39	24.7	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	23.48	23.52	23.39	24.7	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	23.45	23.52	23.38	24.7	0.0	

n2_Ant 1_DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
				372000 1860	378000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.27	23.28	23.18	24.7	0.0	
20	Pl2 BPSK	1	53	23.33	23.49	23.32			
20	Pl2 BPSK	1	104	23.35	23.33	23.23			
20	Pl2 BPSK	50	0	23.42	23.36	23.34	24.2	0.5	
20	Pl2 BPSK	50	28	23.44	23.45	23.36	24.7	0.0	
20	Pl2 BPSK	50	56	23.34	23.40	23.35	24.2	0.5	
20	Pl2 BPSK	100	0	23.37	23.42	23.34			
20	QPSK	1	1	23.23	23.32	23.18			
20	QPSK	1	53	23.30	23.36	23.32	24.7	0.0	
20	QPSK	1	104	23.28	23.31	23.17	23.7	1.0	
20	QPSK	50	0	22.89	22.84	22.84			
20	QPSK	50	28	23.33	23.46	23.38			
20	QPSK	50	56	22.86	22.89	22.85	23.7	1.0	
20	QPSK	100	0	22.84	22.93	22.86	23.7	1.0	
20	16QAM	1	1	22.46	22.58	22.40	23.7	1.0	
20	64QAM	1	1	20.98	21.07	20.97	22.2	2.5	
20	256QAM	1	1	19.56	19.65	19.49	20.2	4.5	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	23.20	23.22	23.17	24.7	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	23.22	23.23	23.16	24.7	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	23.24	23.23	23.13	24.7	0.0	

n2_Ant 4_DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	376000 1890	380000 1900			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	20.05	20.02	20.00	21.2	0.0	
20	Pl2 BPSK	1	53	20.57	20.62	20.57			
20	Pl2 BPSK	1	104	19.92	20.04	19.87			
20	Pl2 BPSK	50	0	19.71	19.87	19.79	21.2	0.0	
20	Pl2 BPSK	50	28	20.48	20.54	20.38	21.2	0.0	
20	Pl2 BPSK	50	56	19.70	19.86	19.83	21.2	0.0	
20	Pl2 BPSK	100	0	19.78	19.95	19.89			
20	QPSK	1	1	19.94	19.94	19.99			
20	QPSK	1	53	20.44	20.60	20.56	21.2	0.0	
20	QPSK	1	104	19.88	20.00	19.81	21.2	0.0	
20	QPSK	50	0	19.74	19.75	19.75			
20	QPSK	50	28	20.31	20.48	20.36			
20	QPSK	50	56	19.80	19.75	19.87	21.2	0.0	
20	QPSK	100	0	19.71	19.79	19.94	21.2	0.0	
20	16QAM	1	1	19.99	19.94	19.80	21.2	0.0	
20	64QAM	1	1	18.91	18.98	18.81	20.2	1.0	
20	256QAM	1	1	17.10	17.21	17.15	18.2	3.0	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	19.99	20.06	19.86	21.2	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	20.04	19.98	19.99	21.2	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	20.08	20.00	19.93	21.2	0.0	

n66_Ant 0_DS14								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				346000	346000	352000		
Frequency (MHz)				1730	1745	1760		
40	PV2 BPSK	1	1	23.01	23.13	23.11	24.7	0.0
40	PV2 BPSK	1	108	23.65	23.77	23.76		
40	PV2 BPSK	1	214	23.07	23.18	23.11		
40	PV2 BPSK	108	0	22.98	23.10	23.09	24.2	0.5
40	PV2 BPSK	108	54	23.67	23.71	23.65	24.7	0.0
40	PV2 BPSK	108	108	23.13	23.17	23.11	24.2	0.5
40	PV2 BPSK	216	0	23.13	23.20	23.11	24.7	0.0
40	QPSK	1	1	23.10	23.15	23.07		
40	QPSK	1	108	23.65	23.70	23.64		
40	QPSK	1	214	23.03	23.10	23.03	23.7	1.0
40	QPSK	108	0	22.57	22.70	22.68		
40	QPSK	108	54	23.67	23.72	23.62		
40	QPSK	108	108	22.53	22.66	22.61	23.7	1.0
40	QPSK	216	0	22.56	22.62	22.60		
40	16QAM	1	1	21.97	22.00	21.94	23.7	1.0
40	64QAM	1	1	20.61	20.70	20.68	22.2	2.5
40	256QAM	1	1	19.19	19.22	19.12	20.2	4.5
Channel				345000	349000	353000		
Frequency (MHz)				1722	1745	1765		
30	PV2 BPSK	1	1	22.95	23.09	23.08	24.7	0.0
Channel				344600	349000	353600		
Frequency (MHz)				1722.5	1745	1767.5		
25	PV2 BPSK	1	1	22.88	23.07	23.10	24.7	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	PV2 BPSK	1	1	22.96	23.07	23.07	24.7	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	PV2 BPSK	1	1	23.00	23.07	23.09	24.7	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	PV2 BPSK	1	1	22.95	23.10	23.08	24.7	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	PV2 BPSK	1	1	22.87	23.08	23.05	24.7	0.0

n66_Ant 1_DS14								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.		
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PV2 BPSK	1	1	23.28	23.30	23.24	24.7	0.0
40	PV2 BPSK	1	108	23.79	23.82	23.78		
40	PV2 BPSK	1	214	23.20	23.24	23.23		
40	PV2 BPSK	108	0	23.28	23.01	23.23	24.2	0.5
40	PV2 BPSK	108	54	23.78	23.81	23.77	24.7	0.0
40	PV2 BPSK	108	108	23.42	23.00	23.41	24.2	0.5
40	PV2 BPSK	216	0	23.38	23.40	23.37		
40	QPSK	1	1	23.31	23.18	23.21		
40	QPSK	1	108	23.77	23.78	23.77	24.7	0.0
40	QPSK	1	214	23.21	23.21	23.20	23.7	1.0
40	QPSK	108	0	22.80	22.49	22.81		
40	QPSK	108	54	23.75	23.77	23.76		
40	QPSK	108	108	22.82	22.47	22.83	23.7	1.0
40	QPSK	216	0	22.86	22.51	22.83	23.7	1.0
40	16QAM	1	1	22.00	21.98	21.95		
40	64QAM	1	1	20.59	20.52	20.52		
40	256QAM	1	1	19.21	19.15	19.13	20.2	4.5
Channel				345000	349000	353000		
Frequency (MHz)				1722	1745	1765		
30	PV2 BPSK	1	1	23.26	23.28	23.20	24.7	0.0
Channel				344600	349000	353600		
Frequency (MHz)				1722.5	1745	1767.5		
25	PV2 BPSK	1	1	23.22	23.29	23.18	24.7	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	PV2 BPSK	1	1	23.27	23.26	23.17	24.7	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	PV2 BPSK	1	1	23.22	23.23	23.22	24.7	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	PV2 BPSK	1	1	23.26	23.25	23.18	24.7	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	PV2 BPSK	1	1	23.24	23.24	23.19	24.7	0.0

n66_Ant 4_DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PV2 BPSK	1	1	21.80	21.93	21.77	23.7	0.0
40	PV2 BPSK	1	108	22.45	22.52	22.48		
40	PV2 BPSK	1	214	21.92	21.99	21.93		
40	PV2 BPSK	108	0	22.23	22.25	22.23	23.7	0.0
40	PV2 BPSK	108	54	22.39	22.47	22.46	23.7	0.0
40	PV2 BPSK	108	108	22.11	22.16	22.08	23.7	0.0
40	PV2 BPSK	216	0	22.16	22.21	22.19	23.7	0.0
40	QPSK	1	1	21.78	21.86	21.84		
40	QPSK	1	108	22.48	22.48	22.45		
40	QPSK	1	214	21.83	21.91	21.75	23.7	0.0
40	QPSK	108	0	22.15	22.17	22.14		
40	QPSK	108	54	22.35	22.46	22.37		
40	QPSK	108	108	22.14	22.18	22.12	23.7	0.0
40	QPSK	216	0	22.08	22.18	22.13	23.7	0.0
40	16QAM	1	1	21.75	21.76	21.75		
40	64QAM	1	1	20.31	20.39	20.36		
40	256QAM	1	1	18.80	18.88	18.78	20.2	3.5
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PV2 BPSK	1	1	21.68	21.88	21.66	23.7	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5	Interp. limit (dBm)	MPR (dB)
25	PV2 BPSK	1	1	21.63	21.91	21.60	23.7	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770	Interp. limit (dBm)	MPR (dB)
20	PV2 BPSK	1	1	21.62	21.85	21.61	23.7	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5	Interp. limit (dBm)	MPR (dB)
15	PV2 BPSK	1	1	21.72	21.81	21.66	23.7	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775	Interp. limit (dBm)	MPR (dB)
10	PV2 BPSK	1	1	21.76	21.84	21.70	23.7	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5	Interp. limit (dBm)	MPR (dB)
5	PV2 BPSK	1	1	21.65	21.85	21.68	23.7	0.0

n71_Ant 0_DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				673	680.5	688		
Frequency (MHz)				673	680.5	688		
20	P1/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0
20	P1/2 BPSK	1	53	24.10	24.21	24.15		
20	P1/2 BPSK	1	104	23.98	24.15	24.02		
20	P1/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5
20	P1/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0
20	P1/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5
20	P1/2 BPSK	100	0	23.53	23.76	23.67		
20	QPSK	1	1	23.91	24.08	23.95		
20	QPSK	1	53	24.05	24.18	24.14	25.2	0.0
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.88	23.15	23.16		
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.18	24.2	1.0
20	16QAM	1	1	22.89	22.82	22.72		
20	64QAM	1	1	21.23	21.42	21.28		
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5
Channel				134100	136100	138100	limit (dB)	MPR
Frequency (MHz)				670.5	680.5	690.5	limit (dB)	MPR
15	P1/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0
Channel				133600	136100	138600	limit (dB)	MPR
Frequency (MHz)				668	680.5	693	limit (dB)	MPR
10	P1/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0
Channel				133100	136100	139100	limit (dB)	MPR
Frequency (MHz)				665.5	680.5	695.5	limit (dB)	MPR
5	P1/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0

n71_Ant 1_DS14								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.		
				134600	136100	137600		
Channel				673	680.5	688		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0
20	PI/2 BPSK	1	53	24.14	24.19	24.16		
20	PI/2 BPSK	1	104	23.99	24.08	24.02		
20	PI/2 BPSK	50	0	23.56	23.68	23.67	24.7	0.5
20	PI/2 BPSK	50	28	24.13	24.16	24.15	25.2	0.0
20	PI/2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5
20	PI/2 BPSK	100	0	23.61	23.77	23.70		
20	QPSK	1	1	23.99	24.07	24.01		
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0
20	QPSK	1	104	23.97	24.02	23.95		
20	QPSK	50	0	23.08	23.14	23.16		
20	QPSK	50	28	24.12	24.16	24.14	25.2	0.0
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0
20	QPSK	100	0	23.08	23.25	23.18	24.2	1.0
20	16QAM	1	1	22.74	22.86	22.75		
20	64QAM	1	1	21.33	21.41	21.35		
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5
Channel				134100	136100	138100	limit (dB)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5	limit (dB)	MPR (dB)
15	PI/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0
Channel				133600	136100	138600	limit (dB)	MPR (dB)
Frequency (MHz)				668	680.5	693	limit (dB)	MPR (dB)
10	PI/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0
Channel				133100	136100	139100	limit (dB)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5	limit (dB)	MPR (dB)
5	PI/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0

n2_Ant 0_DSI9												
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)				
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.						
				372000 1860	376000 1880	380000 1900						
Channel												
Frequency (MHz)												
20	PI/2 BPSK	1	1	22.16	22.41	22.27	24.2	0.0				
20	PI/2 BPSK	1	53	22.79	22.93	22.87						
20	PI/2 BPSK	1	104	22.37	22.27	22.32						
20	PI/2 BPSK	50	0	22.19	22.32	22.35						
20	PI/2 BPSK	50	28	22.86	22.91	22.83	24.2	0.0				
20	PI/2 BPSK	50	56	22.28	22.22	22.23	24.2	0.0				
20	PI/2 BPSK	100	0	22.26	22.35	22.30						
20	QPSK	1	1	22.28	22.30	22.07						
20	QPSK	1	53	22.65	22.83	22.71						
20	QPSK	1	104	22.21	22.30	22.18	24.2	0.0				
20	QPSK	50	0	21.70	21.87	21.83						
20	QPSK	50	28	22.88	22.91	22.72						
20	QPSK	50	56	22.59	22.64	22.51						
20	QPSK	100	0	22.67	22.66	22.49	23.7	0.5				
20	16QAM	1	1	22.72	22.83	22.61						
20	64QAM	1	1	21.24	21.33	21.23						
20	256QAM	1	1	19.82	19.84	19.75						
Channel												
Frequency (MHz)												
15	PI/2 BPSK	1	1	22.19	22.43	22.27	24.2	0.0				
Channel												
Frequency (MHz)												
10	PI/2 BPSK	1	1	22.33	22.42	22.31	24.2	0.0				
Channel												
Frequency (MHz)												
5	PI/2 BPSK	1	1	22.19	22.48	22.22	24.2	0.0				

n2_Ant 1_DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
				372000 1860	376000 1880	380000 1900			
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	21.52	21.44	21.51	23.2	0.0	
20	PI/2 BPSK	1	53	22.10	22.12	22.10			
20	PI/2 BPSK	1	104	21.47	21.43	21.47			
20	PI/2 BPSK	50	0	21.38	21.35	21.33			
20	PI/2 BPSK	50	28	21.96	22.05	21.86	23.2	0.0	
20	PI/2 BPSK	50	56	21.31	21.43	21.19			
20	PI/2 BPSK	100	0	21.28	21.42	21.41			
20	QPSK	1	1	21.31	21.41	21.37			
20	QPSK	1	53	21.85	21.90	21.91	23.2	0.0	
20	QPSK	1	104	21.40	21.52	21.42			
20	QPSK	50	0	21.38	21.45	21.46			
20	QPSK	50	28	21.96	21.96	22.00			
20	QPSK	50	56	21.46	21.53	21.54	23.2	0.0	
20	QPSK	100	0	21.41	21.55	21.50			
20	16QAM	1	1	21.23	21.39	21.35			
20	64QAM	1	1	21.03	21.11	20.99			
20	256QAM	1	1	19.52	19.63	19.45	20.2	3.0	
Channel									
Frequency (MHz)									
15	PI/2 BPSK	1	1	21.50	21.48	21.55	23.2	0.0	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1	21.45	21.52	21.45	23.2	0.0	
Channel									
Frequency (MHz)									
5	PI/2 BPSK	1	1	21.43	21.53	21.50	23.2	0.0	

n2_Ant 4_DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000 1860	376000 1880	380000 1900			
Channel									
Frequency (MHz)									
20	PI/2 BPSK	1	1	17.87	17.99	18.09	19.2	0.0	
20	PI/2 BPSK	1	53	18.61	18.65	18.57			
20	PI/2 BPSK	1	104	18.03	18.00	18.04			
20	PI/2 BPSK	50	0	18.45	18.54	18.51			
20	PI/2 BPSK	50	28	18.45	18.50	18.50	19.2	0.0	
20	PI/2 BPSK	50	56	18.42	18.52	18.32			
20	PI/2 BPSK	100	0	18.37	18.55	18.36			
20	QPSK	1	1	18.02	18.07	18.04			
20	QPSK	1	53	18.56	18.56	18.40	19.2	0.0	
20	QPSK	1	104	17.88	18.07	17.87			
20	QPSK	50	0	18.45	18.44	18.43			
20	QPSK	50	28	18.44	18.52	18.42			
20	QPSK	50	56	18.23	18.35	18.45	19.2	0.0	
20	QPSK	100	0	18.41	18.35	18.32			
20	16QAM	1	1	17.81	17.74	17.82			
20	64QAM	1	1	17.81	17.76	17.78			
20	256QAM	1	1	17.39	17.43	17.34	18.2	1.0	
Channel									
Frequency (MHz)									
15	PI/2 BPSK	1	1	17.87	18.05	18.05	19.2	0.0	
Channel									
Frequency (MHz)									
10	PI/2 BPSK	1	1	18.00	18.08	17.91	19.2	0.0	
Channel									
Frequency (MHz)									
5	PI/2 BPSK	1	1	17.84	18.07	17.90	19.2	0.0	

n71_Ant 0_DSI9									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				134600	136100	137600			
Channel				673	680.5	688			
Frequency (MHz)				673	680.5	688			
20	P2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0	
20	P2 BPSK	1	53	24.10	24.21	24.15			
20	P2 BPSK	1	104	23.98	24.15	24.02			
20	P2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5	
20	P2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0	
20	P2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5	
20	P2 BPSK	100	0	23.53	23.76	23.67			
20	QPSK	1	1	23.91	24.08	23.95			
20	QPSK	1	53	24.05	24.18	24.14	25.2	0.0	
20	QPSK	1	104	23.94	24.11	23.95			
20	QPSK	50	0	22.88	23.15	23.16	24.2	1.0	
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0	
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0	
20	QPSK	100	0	23.02	23.25	23.18	24.2	1.0	
20	16QAM	1	1	22.89	22.82	22.72			
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5	
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5	
Channel				134100	136100	138100	Tune-up limit (dB)		
Frequency (MHz)				670.5	680.5	690.5	limit (dB)		
15	P2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0	
Channel				133600	136100	138600	Tune-up limit (dB)		
Frequency (MHz)				668	680.5	693	limit (dB)		
10	P2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0	
Channel				133100	136100	139100	Tune-up limit (dB)		
Frequency (MHz)				665.5	680.5	695.5	limit (dB)		
5	P2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0	

n71_Ant 1_DS19									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
				134600	136100	137600			
Channel				673	680.5	688			
Frequency (MHz)				673	680.5	688			
20	PV2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0	
20	PV2 BPSK	1	53	24.14	24.19	24.16			
20	PV2 BPSK	1	104	23.99	24.08	24.02			
20	PV2 BPSK	50	0	23.56	23.66	23.67	24.7	0.5	
20	PV2 BPSK	50	28	24.13	24.16	24.15	25.2	0.0	
20	PV2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5	
20	PV2 BPSK	100	0	23.61	23.77	23.70			
20	QPSK	1	1	23.99	24.07	24.01			
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0	
20	QPSK	1	104	23.97	24.02	23.95			
20	QPSK	50	0	23.08	23.14	23.16	24.2	1.0	
20	QPSK	50	28	24.12	24.16	24.14	25.2	0.0	
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0	
20	QPSK	100	0	23.08	23.25	23.18	24.2	1.0	
20	16QAM	1	1	22.74	22.86	22.75			
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5	
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5	
Channel				134100	136100	138100	Tune-up limit (dB)		
Frequency (MHz)				670.5	680.5	690.5	limit (dB)		
15	PV2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0	
Channel				133600	136100	138600	Tune-up limit (dB)		
Frequency (MHz)				668	680.5	693	limit (dB)		
10	PV2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0	
Channel				133100	136100	139100	Tune-up limit (dB)		
Frequency (MHz)				665.5	680.5	695.5	limit (dB)		
5	PV2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0	



n41_Ant 0(HPUE)_DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				509202	518598	528900			
Frequency (MHz)				2543.01	2592.99	2643			
100	PI/2 BPSK	1	1	21.30	21.30	21.16			
100	PI/2 BPSK	1	137	21.86	21.89	21.80	22.9	0.0	
100	PI/2 BPSK	1	271	21.08	21.19	21.05			
100	PI/2 BPSK	135	0	21.31	21.26	21.38	22.9	0.0	
100	PI/2 BPSK	135	69	21.86	21.88	21.78	22.9	0.0	
100	PI/2 BPSK	135	138	21.24	21.32	21.27	22.9	0.0	
100	PI/2 BPSK	270	0	21.83	21.78	21.58			
100	QPSK	1	1	21.14	21.28	21.07			
100	QPSK	1	137	21.79	21.78	21.80	22.9	0.0	
100	QPSK	1	271	21.08	21.23	21.06			
100	QPSK	135	0	20.98	20.97	20.96			
100	QPSK	135	69	21.77	21.85	21.80	22.9	0.0	
100	QPSK	135	138	20.88	20.99	20.93			
100	QPSK	270	0	20.85	20.86	20.73	22.9	0.0	
100	16QAM	1	1	20.78	20.82	20.78	22.9	0.0	
100	64QAM	1	1	20.90	20.89	20.87	22.9	0.0	
100	256QAM	1	1	20.79	20.81	20.74	21.9	1.0	
Channel				508200	518598	528996	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	21.27	21.25	21.14	22.9	0.0	
Channel				507204	518598	529998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	21.27	21.26	21.12	22.9	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI/2 BPSK	1	1	21.26	21.29	21.15	22.9	0.0	
Channel				505200	518598	531996	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	21.25	21.28	21.13	22.9	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2654.99			
50	PI/2 BPSK	1	1	21.25	21.25	21.15	22.9	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	21.28	21.29	21.14	22.9	0.0	
Channel				502200	518598	534996	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	21.27	21.27	21.15	22.9	0.0	
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	21.26	21.27	21.14	22.9	0.0	

n41_Ant 0(HPUE)_DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				508202	518598	528998			
Frequency (MHz)				2540.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.32	19.28	19.14			
100	PI/2 BPSK	1	137	19.85	19.88	19.84	20.9	0.0	
100	PI/2 BPSK	1	271	19.05	19.17	19.08			
100	PI/2 BPSK	135	0	19.25	19.29	19.35	20.9	0.0	
100	PI/2 BPSK	135	89	19.85	19.87	19.80	20.9	0.0	
100	PI/2 BPSK	135	138	19.26	19.35	19.29			
100	PI/2 BPSK	270	0	19.41	19.43	19.34	20.9	0.0	
100	QPSK	1	1	19.10	19.24	19.12			
100	QPSK	1	137	19.80	19.76	19.77	20.9	0.0	
100	QPSK	1	271	19.15	19.19	19.06			
100	QPSK	135	0	19.02	18.97	18.89			
100	QPSK	135	89	19.81	19.83	19.79	20.9	0.0	
100	QPSK	135	138	18.85	18.98	18.89			
100	QPSK	270	0	18.90	18.82	18.72	20.9	0.0	
100	16QAM	1	1	18.70	18.86	18.75	20.9	0.0	
100	64QAM	1	1	18.97	18.85	18.85	20.9	0.0	
100	256QAM	1	1	18.83	18.82	18.78	20.9	0.0	
Channel				508200	518598	528996	tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	19.29	19.26	19.09	20.9	0.0	
Channel				507204	518598	528998	tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	19.30	19.23	19.09	20.9	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI/2 BPSK	1	1	19.28	19.25	19.11	20.9	0.0	
Channel				505200	518598	531596	tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	19.28	19.24	19.09	20.9	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2654.99			
50	PI/2 BPSK	1	1	19.28	19.24	19.11	20.9	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	19.28	19.25	19.13	20.9	0.0	
Channel				502200	518598	534996	tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	19.31	19.23	19.13	20.9	0.0	
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	19.30	19.26	19.13	20.9	0.0	



n41_Ant 1(HPUE)_DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				506202	518598	528998			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.02	19.91	20.02			
100	PI/2 BPSK	1	137	21.03	21.09	20.97	21.9	0.0	
100	PI/2 BPSK	1	271	20.06	19.98	20.01			
100	PI/2 BPSK	135	0	20.44	20.42	20.10	21.9	0.0	
100	PI/2 BPSK	135	69	20.95	20.98	20.65	21.9	0.0	
100	PI/2 BPSK	135	138	20.54	20.57	20.17			
100	PI/2 BPSK	270	0	20.71	20.74	20.53	21.9	0.0	
100	QPSK	1	1	19.91	19.95	19.97			
100	QPSK	1	137	20.80	21.05	20.60	21.9	0.0	
100	QPSK	1	271	19.99	19.93	20.03			
100	QPSK	135	0	20.07	20.14	20.17			
100	QPSK	135	69	20.86	20.95	20.58	21.9	0.0	
100	QPSK	135	138	19.97	19.96	20.00			
100	QPSK	270	0	19.91	19.99	20.01	21.9	0.0	
100	16QAM	1	1	19.82	19.97	19.94	21.9	0.0	
100	64QAM	1	1	20.01	19.96	20.01	21.9	0.0	
100	256QAM	1	1	19.95	19.97	19.96	21.9	0.0	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	19.97	19.87	19.97	21.9	0.0	
Channel				507204	518598	529998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	20.00	19.86	19.98	21.9	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI/2 BPSK	1	1	19.99	19.90	19.97	21.9	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2528	2592.99	2659.98			
60	PI/2 BPSK	1	1	20.00	19.88	20.01	21.9	0.0	
Channel				504204	518598	532998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	19.99	19.86	20.00	21.9	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	19.99	19.86	19.98	21.9	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.99			
30	PI/2 BPSK	1	1	19.99	19.86	20.00	21.9	0.0	
Channel				501204	518598	535998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	19.98	19.86	20.01	21.9	0.0	

n41_Ant 4(HPUE)_DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				506202	518598	528600			
Frequency (MHz)				2545.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.00	19.03	19.02			
100	PI/2 BPSK	1	137	19.78	19.84	19.80	20.7	0.0	
100	PI/2 BPSK	1	271	18.61	18.64	18.56			
100	PI/2 BPSK	135	0	19.52	19.58	19.50	20.7	0.0	
100	PI/2 BPSK	135	69	19.79	19.83	19.74	20.7	0.0	
100	PI/2 BPSK	135	138	19.27	19.31	19.24			
100	PI/2 BPSK	270	0	19.40	19.49	19.45	20.7	0.0	
100	QPSK	1	1	18.97	19.01	18.97			
100	QPSK	1	137	19.80	19.82	19.80	20.7	0.0	
100	QPSK	1	271	18.55	18.63	18.60			
100	QPSK	135	0	19.57	19.57	19.48			
100	QPSK	135	69	19.81	19.82	19.72	20.7	0.0	
100	QPSK	135	138	19.35	19.37	19.28			
100	QPSK	270	0	19.39	19.47	19.39	20.7	0.0	
100	16QAM	1	1	18.71	18.76	18.72	20.7	0.0	
100	64QAM	1	1	18.75	18.83	18.73	20.7	0.0	
100	256QAM	1	1	18.18	18.26	18.25	18.7	2.0	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	18.97	19.02	19.01	20.7	0.0	
Channel				507204	518598	529998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	18.97	19.02	19.01	20.7	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI/2 BPSK	1	1	18.99	19.00	18.98	20.7	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2528	2592.99	2659.98			
60	PI/2 BPSK	1	1	18.98	19.00	18.99	20.7	0.0	
Channel				504204	518598	532998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	18.99	18.98	18.98	20.7	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	18.97	18.99	19.01	20.7	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.99			
30	PI/2 BPSK	1	1	18.95	18.99	18.97	20.7	0.0	
Channel				501204	518598	535998	tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	18.96	18.98	19.01	20.7	0.0	



n41_Ant 1(HPUE)_DS16									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				506202	518598	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.07	17.95	18.01			
100	PI/2 BPSK	1	137	19.04	19.11	19.01	19.9	0.0	
100	PI/2 BPSK	1	271	17.98	17.90	17.99			
100	PI/2 BPSK	135	0	18.45	18.48	18.03	19.9	0.0	
100	PI/2 BPSK	135	69	18.87	18.99	18.63	19.9	0.0	
100	PI/2 BPSK	135	138	18.48	18.51	18.14	19.9	0.0	
100	PI/2 BPSK	270	0	18.39	18.48	18.26			
100	QPSK	1	1	17.96	18.01	17.95			
100	QPSK	1	137	18.79	19.02	18.64	19.9	0.0	
100	QPSK	1	271	17.97	18.01	18.03			
100	QPSK	135	0	18.09	18.16	18.22			
100	QPSK	135	69	18.79	18.97	18.60	19.9	0.0	
100	QPSK	135	138	17.95	18.00	17.98			
100	QPSK	270	0	17.92	17.91	17.98	19.9	0.0	
100	16QAM	1	1	17.96	17.97	17.94	19.9	0.0	
100	64QAM	1	1	18.04	17.94	17.97	19.9	0.0	
100	256QAM	1	1	17.98	17.97	17.92	19.9	0.0	
Channel				505200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	18.06	17.94	17.96	19.9	0.0	
Channel				507204	518598	529998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	18.06	17.90	17.96	19.9	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI/2 BPSK	1	1	18.04	17.93	17.97	19.9	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2528	2592.99	2659.98			
60	PI/2 BPSK	1	1	18.06	17.91	18.00	19.9	0.0	
Channel				504204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	18.03	17.92	17.97	19.9	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	18.03	17.91	17.98	19.9	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.99			
30	PI/2 BPSK	1	1	18.03	17.94	17.98	19.9	0.0	
Channel				501204	518598	535998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	18.06	17.94	18.00	19.9	0.0	

n41_Ant 4(HPUE)_DS16									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				506202	518598	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	16.75	16.92	16.80			
100	PI/2 BPSK	1	137	17.82	17.92	17.46	18.7	0.0	
100	PI/2 BPSK	1	271	16.77	16.70	16.78			
100	PI/2 BPSK	135	0	17.52	17.55	17.45	18.7	0.0	
100	PI/2 BPSK	135	69	17.77	17.78	17.36	18.7	0.0	
100	PI/2 BPSK	135	138	17.25	17.19	17.32	18.7	0.0	
100	PI/2 BPSK	270	0	17.35	17.54	17.37			
100	QPSK	1	1	16.85	16.80	16.85			
100	QPSK	1	137	17.79	17.77	17.42	18.7	0.0	
100	QPSK	1	271	16.67	16.68	16.80			
100	QPSK	135	0	16.93	16.98	16.85			
100	QPSK	135	69	17.61	17.65	17.55	18.7	0.0	
100	QPSK	135	138	16.82	16.80	16.73			
100	QPSK	270	0	16.77	16.67	16.84	18.7	0.0	
100	16QAM	1	1	16.76	16.73	16.89	18.7	0.0	
100	64QAM	1	1	16.66	16.65	16.78	18.7	0.0	
100	256QAM	1	1	16.79	16.70	16.72	18.7	0.0	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	16.72	16.69	16.76	18.7	0.0	
Channel				507204	518598	529998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	16.71	16.87	16.77	18.7	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI/2 BPSK	1	1	16.70	16.90	16.78	18.7	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2528	2592.99	2659.98			
60	PI/2 BPSK	1	1	16.71	16.87	16.75	18.7	0.0	
Channel				504204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	16.72	16.90	16.77	18.7	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	16.73	16.90	16.75	18.7	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.99			
30	PI/2 BPSK	1	1	16.70	16.60	16.77	18.7	0.0	
Channel				501204	518598	535998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	16.72	16.61	16.78	18.7	0.0	

Full Power Mode for UL CA

CA_41C Ant 0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	49	0	0	1	0	22.13	23.80
40185	40383	QPSK	1	49	0	0	1	0	22.14	23.80
40620	40422	QPSK	1	49	0	0	1	0	22.52	23.80
41055	40857	QPSK	1	49	0	0	1	0	22.25	23.80
41490	41292	QPSK	1	49	0	0	1	0	22.31	23.80
39750	39948	16QAM	1	49	0	0	1	0	21.31	23.80
40185	40383	16QAM	1	49	0	0	1	0	21.33	23.80
40620	40422	16QAM	1	49	0	0	1	0	21.65	23.80
41055	40857	16QAM	1	49	0	0	1	0	21.49	23.80
41490	41292	16QAM	1	49	0	0	1	0	21.51	23.80
39750	39948	64QAM	1	49	0	0	1	0	19.93	23.80
40185	40383	64QAM	1	49	0	0	1	0	19.92	23.80
40620	40422	64QAM	1	49	0	0	1	0	20.30	23.80
41055	40857	64QAM	1	49	0	0	1	0	20.07	23.80
41490	41292	64QAM	1	49	0	0	1	0	20.09	23.80

CA_41C Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	49	0	0	1	0	22.29	23.80
40185	40383	QPSK	1	49	0	0	1	0	22.15	23.80
40620	40422	QPSK	1	49	0	0	1	0	22.55	23.80
41055	40857	QPSK	1	49	0	0	1	0	22.20	23.80
41490	41292	QPSK	1	49	0	0	1	0	22.24	23.80
39750	39948	16QAM	1	49	0	0	1	0	21.43	23.80
40185	40383	16QAM	1	49	0	0	1	0	21.42	23.80
40620	40422	16QAM	1	49	0	0	1	0	21.75	23.80
41055	40857	16QAM	1	49	0	0	1	0	21.55	23.80
41490	41292	16QAM	1	49	0	0	1	0	21.55	23.80
39750	39948	64QAM	1	49	0	0	1	0	19.81	23.80
40185	40383	64QAM	1	49	0	0	1	0	19.90	23.80
40620	40422	64QAM	1	49	0	0	1	0	20.29	23.80
41055	40857	64QAM	1	49	0	0	1	0	20.08	23.80
41490	41292	64QAM	1	49	0	0	1	0	20.14	23.80

Conducted power for DSI 5

CA_41C Ant 0_DSI5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	49	0	0	1	0	22.13	23.80
40185	40383	QPSK	1	49	0	0	1	0	22.14	23.80
40620	40422	QPSK	1	49	0	0	1	0	22.52	23.80
41055	40857	QPSK	1	49	0	0	1	0	22.25	23.80
41490	41292	QPSK	1	49	0	0	1	0	22.31	23.80
39750	39948	16QAM	1	49	0	0	1	0	21.31	23.80
40185	40383	16QAM	1	49	0	0	1	0	21.33	23.80
40620	40422	16QAM	1	49	0	0	1	0	21.65	23.80
41055	40857	16QAM	1	49	0	0	1	0	21.49	23.80
41490	41292	16QAM	1	49	0	0	1	0	21.51	23.80
39750	39948	64QAM	1	49	0	0	1	0	19.93	23.80
40185	40383	64QAM	1	49	0	0	1	0	19.92	23.80
40620	40422	64QAM	1	49	0	0	1	0	20.30	23.80
41055	40857	64QAM	1	49	0	0	1	0	20.07	23.80
41490	41292	64QAM	1	49	0	0	1	0	20.09	23.80

CA_41C Ant 1_DSI5										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	50	0	0	0	1	0	17.17	18.80
40185	40383	QPSK	50	0	0	0	1	0	17.36	18.80
40620	40422	QPSK	50	0	0	0	1	0	17.52	18.80
41055	40857	QPSK	50	0	0	0	1	0	17.21	18.80
41490	41292	QPSK	50	0	0	0	1	0	17.24	18.80
39750	39948	16QAM	50	0	0	0	1	0	17.19	18.80
40185	40383	16QAM	50	0	0	0	1	0	17.23	18.80
40620	40422	16QAM	50	0	0	0	1	0	17.50	18.80
41055	40857	16QAM	50	0	0	0	1	0	17.23	18.80
41490	41292	16QAM	50	0	0	0	1	0	17.22	18.80
39750	39948	64QAM	50	0	0	0	1	0	16.79	18.80
40185	40383	64QAM	50	0	0	0	1	0	16.77	18.80
40620	40422	64QAM	50	0	0	0	1	0	17.19	18.80
41055	40857	64QAM	50	0	0	0	1	0	16.86	18.80
41490	41292	64QAM	50	0	0	0	1	0	16.89	18.80

Conducted power for DSI 10

CA 41C Ant 0 DSI10										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	49	0	0	1	0	22.13	23.80
40185	40383	QPSK	1	49	0	0	1	0	22.14	23.80
40620	40422	QPSK	1	49	0	0	1	0	22.52	23.80
41055	40857	QPSK	1	49	0	0	1	0	22.25	23.80
41490	41292	QPSK	1	49	0	0	1	0	22.31	23.80
39750	39948	16QAM	1	49	0	0	1	0	21.31	23.80
40185	40383	16QAM	1	49	0	0	1	0	21.33	23.80
40620	40422	16QAM	1	49	0	0	1	0	21.65	23.80
41055	40857	16QAM	1	49	0	0	1	0	21.49	23.80
41490	41292	16QAM	1	49	0	0	1	0	21.51	23.80
39750	39948	64QAM	1	49	0	0	1	0	19.93	23.80
40185	40383	64QAM	1	49	0	0	1	0	19.92	23.80
40620	40422	64QAM	1	49	0	0	1	0	20.30	23.80
41055	40857	64QAM	1	49	0	0	1	0	20.07	23.80
41490	41292	64QAM	1	49	0	0	1	0	20.09	23.80

CA_41C Ant 1_DSI10										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	50	0	0	0	1	0	16.21	17.80
40185	40383	QPSK	50	0	0	0	1	0	16.31	17.80
40620	40422	QPSK	50	0	0	0	1	0	16.55	17.80
41055	40857	QPSK	50	0	0	0	1	0	16.24	17.80
41490	41292	QPSK	50	0	0	0	1	0	16.21	17.80
39750	39948	16QAM	50	0	0	0	1	0	16.23	17.80
40185	40383	16QAM	50	0	0	0	1	0	16.05	17.80
40620	40422	16QAM	50	0	0	0	1	0	16.48	17.80
41055	40857	16QAM	50	0	0	0	1	0	16.29	17.80
41490	41292	16QAM	50	0	0	0	1	0	16.22	17.80
39750	39948	64QAM	50	0	0	0	1	0	15.76	17.80
40185	40383	64QAM	50	0	0	0	1	0	15.84	17.80
40620	40422	64QAM	50	0	0	0	1	0	16.13	17.80
41055	40857	64QAM	50	0	0	0	1	0	15.86	17.80
41490	41292	64QAM	50	0	0	0	1	0	15.86	17.80

Conducted power for DSI 4&9

CA_41C Ant 0_DSI4&9										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	49	0	0	1	0	22.13	23.80
40185	40383	QPSK	1	49	0	0	1	0	22.14	23.80
40620	40422	QPSK	1	49	0	0	1	0	22.52	23.80
41055	40857	QPSK	1	49	0	0	1	0	22.25	23.80
41490	41292	QPSK	1	49	0	0	1	0	22.31	23.80
39750	39948	16QAM	1	49	0	0	1	0	21.31	23.80
40185	40383	16QAM	1	49	0	0	1	0	21.33	23.80
40620	40422	16QAM	1	49	0	0	1	0	21.65	23.80
41055	40857	16QAM	1	49	0	0	1	0	21.49	23.80
41490	41292	16QAM	1	49	0	0	1	0	21.51	23.80
39750	39948	64QAM	1	49	0	0	1	0	19.93	23.80
40185	40383	64QAM	1	49	0	0	1	0	19.92	23.80
40620	40422	64QAM	1	49	0	0	1	0	20.30	23.80
41055	40857	64QAM	1	49	0	0	1	0	20.07	23.80
41490	41292	64QAM	1	49	0	0	1	0	20.09	23.80

CA_41C Ant 1_DSI4&9										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	49	0	0	1	0	22.29	23.80
40185	40383	QPSK	1	49	0	0	1	0	22.15	23.80
40620	40422	QPSK	1	49	0	0	1	0	22.55	23.80
41055	40857	QPSK	1	49	0	0	1	0	22.20	23.80
41490	41292	QPSK	1	49	0	0	1	0	22.24	23.80
39750	39948	16QAM	1	49	0	0	1	0	21.43	23.80
40185	40383	16QAM	1	49	0	0	1	0	21.42	23.80
40620	40422	16QAM	1	49	0	0	1	0	21.75	23.80
41055	40857	16QAM	1	49	0	0	1	0	21.55	23.80
41490	41292	16QAM	1	49	0	0	1	0	21.55	23.80
39750	39948	64QAM	1	49	0	0	1	0	19.81	23.80
40185	40383	64QAM	1	49	0	0	1	0	19.90	23.80
40620	40422	64QAM	1	49	0	0	1	0	20.29	23.80
41055	40857	64QAM	1	49	0	0	1	0	20.08	23.80
41490	41292	64QAM	1	49	0	0	1	0	20.14	23.80



Conducted power for DSI 18

CA_41C Ant 0_DSI18										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	49	0	0	1	0	22.13	23.80
40185	40383	QPSK	1	49	0	0	1	0	22.14	23.80
40620	40422	QPSK	1	49	0	0	1	0	22.52	23.80
41055	40857	QPSK	1	49	0	0	1	0	22.25	23.80
41490	41292	QPSK	1	49	0	0	1	0	22.31	23.80
39750	39948	16QAM	1	49	0	0	1	0	21.31	23.80
40185	40383	16QAM	1	49	0	0	1	0	21.33	23.80
40620	40422	16QAM	1	49	0	0	1	0	21.65	23.80
41055	40857	16QAM	1	49	0	0	1	0	21.49	23.80
41490	41292	16QAM	1	49	0	0	1	0	21.51	23.80
39750	39948	64QAM	1	49	0	0	1	0	19.93	23.80
40185	40383	64QAM	1	49	0	0	1	0	19.92	23.80
40620	40422	64QAM	1	49	0	0	1	0	20.30	23.80
41055	40857	64QAM	1	49	0	0	1	0	20.07	23.80
41490	41292	64QAM	1	49	0	0	1	0	20.09	23.80

CA_41C Ant 1_DSI18										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	49	0	0	1	0	22.29	23.80
40185	40383	QPSK	1	49	0	0	1	0	22.15	23.80
40620	40422	QPSK	1	49	0	0	1	0	22.55	23.80
41055	40857	QPSK	1	49	0	0	1	0	22.20	23.80
41490	41292	QPSK	1	49	0	0	1	0	22.24	23.80
39750	39948	16QAM	1	49	0	0	1	0	21.43	23.80
40185	40383	16QAM	1	49	0	0	1	0	21.42	23.80
40620	40422	16QAM	1	49	0	0	1	0	21.75	23.80
41055	40857	16QAM	1	49	0	0	1	0	21.55	23.80
41490	41292	16QAM	1	49	0	0	1	0	21.55	23.80
39750	39948	64QAM	1	49	0	0	1	0	19.81	23.80
40185	40383	64QAM	1	49	0	0	1	0	19.90	23.80
40620	40422	64QAM	1	49	0	0	1	0	20.29	23.80
41055	40857	64QAM	1	49	0	0	1	0	20.08	23.80
41490	41292	64QAM	1	49	0	0	1	0	20.14	23.80

DL CA

Full Power															
2CC															
Configure	CA Configuration (BCS)	PCC							SCC				Power		
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	
	CA_2A-4A	Band 2	20M	1880	18900	QPSK	1	49	Band 4	20M	2132.5	2175	23.54	23.52	
	CA_2A-5A	Band 2	20M	1880	18900	QPSK	1	49	Band 5	10M	881.5	2525	23.54	23.50	
	CA_2A-12A	Band 2	20M	1880	18900	QPSK	1	49	Band 12	10M	737.5	5095	23.54	23.50	
	CA_2A-13A	Band 2	20M	1880	18900	QPSK	1	49	Band 13	10M	751	5230	23.54	23.52	
	CA_2A-66A	Band 2	20M	1880	18900	QPSK	1	49	Band 66	20M	2155	66886	23.54	23.49	
	CA_2A-71A	Band 2	20M	1880	18900	QPSK	1	49	Band 71	20M	634.5	68761	23.54	23.50	
	CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 5	10M	881.5	2525	23.54	23.49	
	CA_4A-12A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 12	10M	737.5	5095	23.54	23.43	
	CA_4A-13A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 13	10M	751	5230	23.54	23.52	
	CA_4A-71A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 71	20M	634.5	68761	23.54	23.51	
	CA_5A-66A	Band 5	10M	836.5	20525	QPSK	1	25	Band 66	20M	2155	66886	23.84	23.81	
	CA_7A-12A	Band 7	20M	2535	21100	QPSK	1	49	Band 12	10M	737.5	5095	23.47	23.43	
	CA_12A-66A	Band 12	10M	707.5	23095	QPSK	1	25	Band 66	20M	2155	66886	23.91	23.90	
	CA_13A-66A	Band 13	10M	782	23230	QPSK	1	25	Band 66	20M	2155	66886	23.59	23.50	
	CA_25A-26A	Band 25	20M	1880	26340	QPSK	1	49	Band 26	15M	876.5	8865	23.56	23.47	
	CA_25A-41A	Band 25	20M	1880	26340	QPSK	1	49	Band 41	20M	2593	40620	23.56	23.52	
	Intra-Band	CA_66A-71A	Band 66	20M	1745	132322	QPSK	1	49	Band 71	20M	634.5	68761	23.58	23.50
Non-Contiguous		CA_2A-2A	Band 2	20M	1880	18900	QPSK	1	49	Band 2	5M	1987.5	1175	23.54	23.44
		CA_4A-4A	Band 4	20M	1732.5	20175	QPSK	1	49	Band 4	5M	2152.5	2375	23.54	23.49
		CA_7A-7A	Band 7	20M	2535	21100	QPSK	1	49	Band 7	5M	2687.5	3425	23.47	23.35
		CA_25A-25A	Band 25	20M	1880	26340	QPSK	1	49	Band 25	5M	1992.5	8665	23.56	23.51
		CA_41A-41A	Band 41	20M	2593	40620	QPSK	1	49	Band 41	5M	2687.5	41565	22.59	22.40
Contiguous		CA_66A-66A	Band 66	20M	1745	132322	QPSK	1	49	Band 66	5M	2197.5	67311	23.58	23.50
		CA_2C	Band 2	20M	1880	18900	QPSK	1	49	Band 2	20M	1979.8	1098	23.54	23.52
		CA_7C	Band 7	20M	2535	21100	QPSK	1	49	Band 7	20M	2674.80	3298	23.47	23.41
		CA_38C	Band 38	20M	2595	38000	QPSK	1	49	Band 38	20M	2599.80	38048	23.50	23.46
		CA_41C	Band 41	20M	2593	40620	QPSK	1	49	Band 41	20M	2612.80	40818	22.59	22.37
		CA_66B	Band 66	20M	1745	132322	QPSK	1	49	Band 66	5M	2164.30	66979	23.58	23.50
	CA_66C	Band 66	20M	1745	132322	QPSK	1	49	Band 66	20M	2174.80	67084	23.58	23.55	

Conducted Full Power Mode for 5G NR SA

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	386000	390000			
				Channel					
				Frequency (MHz)					
20	Pl2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0	
20	Pl2 BPSK	1	53	23.59	23.66	23.54			
20	Pl2 BPSK	1	104	23.54	23.55	23.42	24.2	0.5	
20	Pl2 BPSK	50	0	23.61	23.61	23.52			
20	Pl2 BPSK	50	28	23.63	23.64	23.60	24.7	0.0	
20	Pl2 BPSK	50	56	23.62	23.62	23.49			
20	Pl2 BPSK	100	0	23.60	23.63	23.52	24.2	0.5	
20	QPSK	1	1	23.48	23.52	23.42			
20	QPSK	1	53	23.57	23.61	23.52	24.7	0.0	
20	QPSK	1	104	23.48	23.52	23.36			
20	QPSK	50	0	23.09	23.06	23.01	23.7	1.0	
20	QPSK	50	28	23.61	23.63	23.61			
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.15	22.99			
20	16QAM	1	1	22.74	22.78	22.64	23.7	1.0	
20	64QAM	1	1	21.28	21.31	21.16			
20	256QAM	1	1	19.84	19.85	19.76	20.2	4.5	
Channel				371500	376000	380500			
Frequency (MHz)				1607.5	1690	1907.5	tune-up limit (dbm)	MPR (db)	
15	Pl2 BPSK	1	1	23.51	23.55	23.53	24.7	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1605	1690	1905	tune-up limit (dbm)	MPR (db)	
10	Pl2 BPSK	1	1	23.33	23.41	23.34	24.7	0.0	
Channel				370500	376000	381500			
Frequency (MHz)				1602.5	1690	1907.5	tune-up limit (dbm)	MPR (db)	
5	Pl2 BPSK	1	1	23.59	23.62	23.58	24.7	0.0	

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1660	1680	1900			
20	Pl2 BPSK	1	1	23.47	23.47	23.35	24.7	0.0	
20	Pl2 BPSK	1	53	23.56	23.62	23.47			
20	Pl2 BPSK	1	104	23.50	23.52	23.33	24.2	0.5	
20	Pl2 BPSK	50	0	23.55	23.56	23.46			
20	Pl2 BPSK	50	28	23.57	23.61	23.51	24.7	0.0	
20	Pl2 BPSK	50	56	23.56	23.59	23.46			
20	Pl2 BPSK	100	0	23.58	23.60	23.46	24.2	0.5	
20	QPSK	1	1	23.44	23.46	23.32			
20	QPSK	1	53	23.52	23.56	23.45	24.7	0.0	
20	QPSK	1	104	23.43	23.46	23.26			
20	QPSK	50	0	23.04	23.05	22.96	23.7	1.0	
20	QPSK	50	28	23.59	23.57	23.45			
20	QPSK	50	56	23.05	23.12	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.11	23.00			
20	16QAM	1	1	22.64	22.72	22.59	23.7	1.0	
20	64QAM	1	1	21.23	21.23	21.12			
20	256QAM	1	1	19.81	19.85	19.66	20.2	4.5	
Channel				371500	376000	380500			
Frequency (MHz)				1607.5	1690	1907.5	tune-up limit (dbm)	MPR (db)	
15	Pl2 BPSK	1	1	23.46	23.52	23.47	24.7	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1605	1690	1905	tune-up limit (dbm)	MPR (db)	
10	Pl2 BPSK	1	1	23.29	23.34	23.29	24.7	0.0	
Channel				370500	376000	381500			
Frequency (MHz)				1602.5	1690	1907.5	tune-up limit (dbm)	MPR (db)	
5	Pl2 BPSK	1	1	23.48	23.56	23.50	24.7	0.0	

n2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				370500	376000	380500			
Frequency (MHz)				1680	1680	1900			
20	Pl2 BPSK	1	1	21.38	21.41	21.25	22.7	0.0	
20	Pl2 BPSK	1	53	21.47	21.54	21.44			
20	Pl2 BPSK	1	104	21.43	21.42	21.22	22.2	0.5	
20	Pl2 BPSK	50	0	21.46	21.46	21.38			
20	Pl2 BPSK	50	28	21.51	21.52	21.42	22.7	0.0	
20	Pl2 BPSK	50	56	21.46	21.47	21.38			
20	Pl2 BPSK	100	0	21.46	21.51	21.45	22.2	0.5	
20	QPSK	1	1	21.41	21.46	21.28			
20	QPSK	1	53	21.46	21.50	21.36	22.7	0.0	
20	QPSK	1	104	21.42	21.36	21.25			
5	QPSK	50	0	21.47	21.43	21.42	21.7	1.0	
20	QPSK	50	28	21.51	21.52	21.41			
20	QPSK	50	56	21.49	21.53	21.38	21.7	1.0	
20	QPSK	100	0	21.51	21.51	21.42			
20	16QAM	1	1	21.11	21.17	21.03	21.7	1.0	
20	64QAM	1	1	19.69	19.71	19.58			
20	256QAM	1	1	18.18	18.19	18.08	18.2	4.5	
Channel				371500	376000	380500			
Frequency (MHz)				1607.5	1690	1907.5	limit (dbm)	MPR (db)	
15	Pl2 BPSK	1	1	21.42	21.48	21.44	22.7	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1605	1690	1905	tune-up limit (dbm)	MPR (db)	
10	Pl2 BPSK	1	1	21.16	21.24	21.18	22.7	0.0	
Channel				370500	376000	381500			
Frequency (MHz)				1602.5	1690	1907.5	tune-up limit (dbm)	MPR (db)	
5	Pl2 BPSK	1	1	21.46	21.47	21.41	22.7	0.0	

n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	345000	352000			
Channel				1725	1745	1765			
Frequency (MHz)									
40	Pl2 BPSK	1	1	23.51	23.41	23.40	24.7	0.0	
40	Pl2 BPSK	1	108	23.95	23.98	23.91			
40	Pl2 BPSK	1	214	23.35	23.38	23.34			
40	Pl2 BPSK	108	0	23.38	23.32	23.35	24.2	0.5	
40	Pl2 BPSK	108	54	23.94	23.95	23.92	24.7	0.0	
40	Pl2 BPSK	108	108	23.54	23.22	23.54	24.2	0.5	
40	Pl2 BPSK	216	0	23.48	23.50	23.42			
40	QPSK	1	1	23.51	23.38	23.38			
40	QPSK	1	108	23.94	23.92	23.89	24.7	0.0	
40	QPSK	1	214	23.38	23.35	23.31			
40	QPSK	108	0	22.85	22.81	22.84			
40	QPSK	108	54	23.92	23.94	23.91	24.7	0.0	
40	QPSK	108	108	23.02	22.88	23.00	23.7	1.0	
40	QPSK	216	0	22.98	22.75	22.91			
40	16QAM	1	1	22.23	22.13	22.14			
40	64QAM	1	1	20.78	20.70	20.69	22.2	2.5	
40	256QAM	1	1	19.42	19.28	19.31	20.2	4.5	
Channel				345000	345000	352000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1725	1745	1765			
30	Pl2 BPSK	1	1	23.65	23.68	23.60	24.7	0.0	
Channel				344500	349000	353500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1722.5	1745	1767.5			
25	Pl2 BPSK	1	1	23.67	23.92	23.90	24.7	0.0	
Channel				344000	349000	354000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1720	1745	1770			
20	Pl2 BPSK	1	1	23.88	23.92	23.89	24.7	0.0	
Channel				343500	349000	354500	1717.5 limit (dbm)	MPR (db)	
Frequency (MHz)				1717.5	1745	1772.5			
15	Pl2 BPSK	1	1	23.87	23.95	23.88	24.7	0.0	
Channel				343000	349000	355000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1715	1745	1775			
10	Pl2 BPSK	1	1	23.84	23.92	23.85	24.7	0.0	
Channel				342500	349000	355500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1712.5 <th>1745</th> <th>1777.5<th colspan="3"></th></th>	1745	1777.5 <th colspan="3"></th>			
5	Pl2 BPSK	1	1	23.87	23.94	23.88	24.7	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	349000	352000			
Channel				1745	1765	1785			
Frequency (MHz)									
40	PV2 BPSK	1	1	23.28	23.30	23.24	24.7	0.0	
40	PV2 BPSK	1	108	23.79	23.82	23.78			
40	PV2 BPSK	1	214	23.20	23.24	23.23			
40	PV2 BPSK	108	0	23.28	23.01	23.33	24.2	0.5	
40	PV2 BPSK	108	54	23.78	23.81	23.77	24.7	0.0	
40	PV2 BPSK	108	108	23.42	23.00	23.41	24.2	0.5	
40	PV2 BPSK	216	0	23.38	23.40	23.37			
40	QPSK	1	1	23.31	23.18	23.21			
40	QPSK	1	108	23.77	23.78	23.77	24.7	0.0	
40	QPSK	1	214	23.21	23.21	23.20			
40	QPSK	108	0	22.80	22.48	22.81			
40	QPSK	108	54	23.75	23.77	23.76	24.7	0.0	
40	QPSK	108	108	22.92	22.47	22.93	23.7	1.0	
40	QPSK	216	0	22.86	22.51	22.83			
40	16QAM	1	1	22.00	21.98	21.95			
40	64QAM	1	1	20.59	20.52	20.52	22.2	2.5	
40	256QAM	1	1	19.21	19.15	19.13	20.2	4.5	
Channel				345000	349000	353000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1725	1745	1765			
30	PV2 BPSK	1	1	23.42	23.47	23.45	24.7	0.0	
Channel				344500	349000	353500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1722.5	1745	1767.5			
25	PV2 BPSK	1	1	23.67	23.72	23.73	24.7	0.0	
Channel				344000	349000	354000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	23.73	23.78	23.73	24.7	0.0	
Channel				343500	349000	354500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PV2 BPSK	1	1	23.72	23.80	23.76	24.7	0.0	
Channel				343000	349000	355000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1715	1745	1775			
10	PV2 BPSK	1	1	23.71	23.75	23.68	24.7	0.0	
Channel				342500	349000	355500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PV2 BPSK	1	1	23.75	23.81	23.73	24.7	0.0	

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				69.5	660.5	668		
Frequency (MHz)				69.5	660.5	668		
20	PI/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0
20	PI/2 BPSK	1	53	24.10	24.21	24.15		
20	PI/2 BPSK	1	104	23.98	24.15	24.02		
20	PI/2 BPSK	50	0	23.51	23.66	23.68	24.7	0.5
20	PI/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0
20	PI/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5
20	PI/2 BPSK	100	0	23.53	23.76	23.67		
20	QPSK	1	1	23.91	24.08	23.95		
20	QPSK	1	53	24.05	24.16	24.14	25.2	0.0
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.88	23.15	23.16	24.2	1.0
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.18		
20	16QAM	1	1	22.69	22.82	22.72	24.2	1.0
20	64QAM	1	1	21.23	21.42	21.26	22.7	2.5
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	660.5	660.5	134100 limit (dBm)	MPR (dB)
15	PI/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	660.5	663	133600 limit (dBm)	MPR (dB)
10	PI/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5	133100 limit (dBm)	MPR (dB)
5	PI/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0

n71_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up Power (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				660.5	673			
Frequency (MHz)								
20	PI/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0
20	PI/2 BPSK	1	53	24.14	24.19	24.16		
20	PI/2 BPSK	1	104	23.99	24.08	24.02		
20	PI/2 BPSK	50	0	23.58	23.68	23.67	24.7	0.5
20	PI/2 BPSK	50	28	24.13	24.16	24.15	25.2	0.0
20	PI/2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5
20	PI/2 BPSK	100	0	23.61	23.77	23.70		
20	QPSK	1	1	23.99	24.07	24.01		
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0
20	QPSK	1	104	23.97	24.02	23.95		
20	QPSK	50	0	23.08	23.14	23.16	24.2	1.0
20	QPSK	50	28	24.12	24.16	24.14	25.2	0.0
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0
20	QPSK	100	0	23.06	23.25	23.18		
20	16QAM	1	1	22.74	22.86	22.75	24.2	1.0
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	683.5	690.5		
15	PI/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	660.5	663		
10	PI/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5		
5	PI/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0

n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				505002	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.38	18.42	18.28			
100	PI/2 BPSK	1	137	19.15	19.18	18.96	20.2		0.0
100	PI/2 BPSK	1	231	18.23	18.29	18.22			
100	PI/2 BPSK	135	0	18.92	19.03	18.87	20.2		0.0
100	PI/2 BPSK	135	69	19.12	19.15	18.98	20.2		0.0
100	PI/2 BPSK	135	138	18.89	19.01	18.78			
100	PI/2 BPSK	270	0	18.91	18.96	18.86	20.2		0.0
100	QPSK	1	1	18.37	18.42	18.25			
100	QPSK	1	137	18.96	19.11	18.77	20.2		0.0
100	QPSK	1	271	18.23	18.32	18.21			
100	QPSK	135	0	19.05	18.85	18.85			
100	QPSK	135	69	19.11	19.06	18.23	20.2		0.0
100	QPSK	135	138	19.03	18.67	18.89			
100	QPSK	270	0	19.01	18.75	18.90			0.5
100	16QAM	1	1	18.23	18.02	18.01	19.2		1.0
100	64QAM	1	1	18.16	18.12	18.08	19.2		1.0
100	256QAM	1	1	18.15	18.05	18.00	18.7		1.5
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	18.46	18.55	18.23	20.2		0.0
Channel				532204	518598	529998	limit (dB)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	18.50	18.36	18.31	20.2		0.0
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PI/2 BPSK	1	1	18.52	18.51	18.31	20.2		0.0
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	18.52	18.66	18.42	20.2		0.0
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	18.52	18.48	18.50	20.2		0.0
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	18.58	18.50	18.51	20.2		0.0
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	18.61	18.49	18.40	20.2		0.0
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	18.59	18.47	18.52	20.2		0.0

n41_Ant 4(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up power (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				505002	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	21.33	21.38	21.31			
100	PI2 BPSK	1	137	22.03	22.30	21.41	23.2	0.0	
100	PI2 BPSK	1	231	21.98	22.31	21.23			
100	PI2 BPSK	135	0	21.98	22.09	21.96	22.7	0.5	
100	PI2 BPSK	135	69	22.01	22.16	21.51	23.2	0.0	
100	PI2 BPSK	135	138	21.96	21.89	21.50			
100	PI2 BPSK	270	0	22.03	22.09	22.01	22.7	0.5	
100	QPSK	1	1	21.48	21.51	21.41			
100	QPSK	1	137	21.94	22.16	21.26	23.2	0.0	
100	QPSK	1	271	21.42	22.20	21.21			
100	QPSK	135	0	21.61	21.88	21.35			
100	QPSK	135	69	22.11	22.14	21.58	23.2	0.0	
100	QPSK	135	138	21.69	21.36	21.35			
100	QPSK	270	0	20.94	21.31	21.42	22.2	1.0	
100	16QAM	1	1	20.86	20.61	20.55	22.2	1.0	
100	64QAM	1	1	19.17	19.19	19.16	20.7	2.5	
100	256QAM	1	1	18.12	18.14	18.04	18.7	4.5	
Channel				508200	518598	528998	tune up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI2 BPSK	1	1	21.38	21.46	21.36	23.2	0.0	
Channel				532204	518598	529998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI2 BPSK	1	1	21.42	21.37	21.42	23.2	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PI2 BPSK	1	1	21.29	21.44	21.44	23.2	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI2 BPSK	1	1	21.46	21.64	21.50	23.2	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI2 BPSK	1	1	21.46	21.66	21.45	23.2	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI2 BPSK	1	1	21.53	21.52	21.46	23.2	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI2 BPSK	1	1	21.54	21.67	21.59	23.2	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI2 BPSK	1	1	21.49	21.62	21.53	23.2	0.0	

n77(Part 27Q)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	Pl2 BPSK	1	1		17.84		19.7	0.0	
100	Pl2 BPSK	1	137		18.76				
100	Pl2 BPSK	1	271		17.94				
100	Pl2 BPSK	135	0		18.97		19.7	0.0	
100	Pl2 BPSK	135	69		18.72				
100	Pl2 BPSK	135	138		18.60				
100	Pl2 BPSK	270	0		18.53		19.7	0.0	
100	QPSK	1	1		17.80				
100	QPSK	1	137		18.75				
100	QPSK	1	271		18.03		19.7	0.0	
100	QPSK	135	0		18.48				
100	QPSK	135	69		18.71				
100	QPSK	135	138		18.97		19.7	0.0	
100	QPSK	270	0		18.54				
100	16QAM	1	1		18.00				
100	64QAM	1	1		17.83		18.7	1.0	
100	256QAM	1	1		14.82		15.2	4.5	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3504.99			
90	Pl2 BPSK	1	1	18.08	18.04	17.92	19.7	0.0	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	Pl2 BPSK	1	1	18.12	18.06	17.82	19.7	0.0	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	Pl2 BPSK	1	1	18.05	18.03	17.87	19.7	0.0	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3519.99			
60	Pl2 BPSK	1	1	18.13	18.07	17.95	19.7	0.0	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	Pl2 BPSK	1	1	18.10	18.10	17.95	19.7	0.0	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	Pl2 BPSK	1	1	18.39	18.34	18.10	19.7	0.0	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3534.99			
30	Pl2 BPSK	1	1	18.27	18.20	18.17	19.7	0.0	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	Pl2 BPSK	1	1	18.32	18.20	18.06	19.7	0.0	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	Pl2 BPSK	1	1	18.22	18.36	18.07	19.7	0.0	
Channel				630500	633334	636168	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	Pl2 BPSK	1	1	18.23	18.36	18.11	19.7	0.0	
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	Pl2 BPSK	1	1	18.32	18.28	18.18	19.7	0.0	

n77(Part 27Q)_Ant 6(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PV2 BPSK	1	1		20.84		22.7	0.0	
100	PV2 BPSK	1	137		21.77				
100	PV2 BPSK	1	271		20.96				
100	PV2 BPSK	135	0		21.60		22.2	0.5	
100	PV2 BPSK	135	69		21.74				
100	PV2 BPSK	135	138		21.59				
100	PV2 BPSK	270	0		21.59		22.2	0.5	
100	QPSK	1	1		20.85				
100	QPSK	1	137		21.74				
100	QPSK	1	271		21.07		22.7	0.0	
100	QPSK	135	0		21.00				
100	QPSK	135	69		21.73				
100	QPSK	135	138		21.03		21.7	1.0	
100	QPSK	270	0		20.03				
100	16QAM	1	1		20.54				
100	64QAM	1	1		18.85		20.2	2.5	
100	256QAM	1	1		17.09		18.2	4.5	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PV2 BPSK	1	1	20.94	20.99	20.87	22.7	0.0	
Channel				632668	633334	634000	limit (dB)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PV2 BPSK	1	1	20.98	20.96	20.83	22.7	0.0	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PV2 BPSK	1	1	20.83	20.98	20.80	22.7	0.0	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PV2 BPSK	1	1	20.80	20.96	20.76	22.7	0.0	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PV2 BPSK	1	1	20.87	20.85	20.81	22.7	0.0	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PV2 BPSK	1	1	21.10	21.16	21.11	22.7	0.0	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PV2 BPSK	1	1	21.18	21.24	21.07	22.7	0.0	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PV2 BPSK	1	1	21.12	21.16	20.97	22.7	0.0	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PV2 BPSK	1	1	21.19	21.16	21.08	22.7	0.0	
Channel				630500	633334	636168	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PV2 BPSK	1	1	21.04	21.12	21.03	22.7	0.0	
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PV2 BPSK	1	1	21.21	21.16	21.07	22.7	0.0	

n77(Part 270)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				655000	656000	657000			
Channel				3750	3840	3930			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.85	17.96	18.02	19.7	0.0	
100	PI/2 BPSK	1	137	18.90	18.96	18.71			
100	PI/2 BPSK	1	271	18.00	18.02	17.97			
100	PI/2 BPSK	135	0	18.66	18.70	18.72	19.7	0.0	
100	PI/2 BPSK	135	69	18.88	18.94	18.89	19.7	0.0	
100	PI/2 BPSK	135	138	18.82	18.75	18.69	19.7	0.0	
100	PI/2 BPSK	270	0	18.69	18.75	18.65			
100	QPSK	1	1	17.85	17.83	17.96			
100	QPSK	1	137	18.88	18.91	18.87	19.7	0.0	
100	QPSK	1	271	18.03	18.08	18.11			
100	QPSK	135	0	18.57	18.69	18.82			
100	QPSK	135	69	18.84	18.87	18.90	19.7	0.0	
100	QPSK	135	138	18.81	18.72	18.74			
100	QPSK	270	0	18.81	18.69	18.66			
100	16QAM	1	1	18.07	18.12	18.14	18.7	1.0	
100	64QAM	1	1	17.89	17.94	17.86	18.7	1.0	
100	256QAM	1	1	14.84	14.89	14.83	15.2	4.5	
Channel				648668	656000	662332	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3745.02	3840	3934.98			
90	PI/2 BPSK	1	1	17.86	18.02	17.99	19.7	0.0	
Channel				645334	656000	662666	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3740.01	3840	3939.99			
80	PI/2 BPSK	1	1	17.87	18.06	17.86	19.7	0.0	
Channel				648000	656000	663000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3725	3840	3945			
70	PI/2 BPSK	1	1	17.88	17.96	17.86	19.7	0.0	
Channel				648668	656000	663332	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1	17.82	17.82	18.04	19.7	0.0	
Channel				645334	655000	662666	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3725.01	3840	3954.99			
50	PI/2 BPSK	1	1	17.84	17.92	17.86	19.7	0.0	
Channel				648000	656000	664000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3720	3840	3960			
40	PI/2 BPSK	1	1	17.90	17.99	17.97	19.7	0.0	
Channel				647668	656000	664332	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3715.02	3840	3964.98			
30	PI/2 BPSK	1	1	17.80	17.99	17.95	19.7	0.0	
Channel				645330	655000	664330	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3712.5	3840	3967.5			
25	PI/2 BPSK	1	1	17.86	17.94	17.86	19.7	0.0	
Channel				647334	656000	664666	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3710.01	3840	3969.99			
20	PI/2 BPSK	1	1	17.83	17.88	17.83	19.7	0.0	
Channel				647168	656000	664832	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3707.52	3840	3972.48			
15	PI/2 BPSK	1	1	17.81	17.87	17.86	19.7	0.0	
Channel				647000	656000	665000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3705	3840	3975			
10	PI/2 BPSK	1	1	17.71	18.01	17.97	19.7	0.0	

n77(Part 270)_Ant 6(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				655000	655000	662000			
Channel				3750	3840	3930			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.73	20.84	20.89	22.7	0.0	
100	PI/2 BPSK	1	137	21.76	21.84	21.71			
100	PI/2 BPSK	1	271	20.89	20.96	20.94			
100	PI/2 BPSK	135	0	21.48	21.64	21.57	22.2	0.5	
100	PI/2 BPSK	135	69	21.75	21.83	21.79	22.7	0.0	
100	PI/2 BPSK	135	138	21.53	21.69	21.61	22.2	0.5	
100	PI/2 BPSK	270	0	21.52	21.62	21.58			
100	QPSK	1	1	20.76	20.82	20.86			
100	QPSK	1	137	21.75	21.83	21.78	22.7	0.0	
100	QPSK	1	271	20.93	21.00	21.04			
100	QPSK	135	0	20.72	20.78	20.83			
100	QPSK	135	69	21.72	21.75	21.71	22.7	0.0	
100	QPSK	135	138	20.71	20.80	20.74			
100	QPSK	270	0	20.50	20.57	20.62			
100	16QAM	1	1	20.36	20.42	20.38	21.7	1.0	
100	64QAM	1	1	18.71	18.76	18.69	20.2	2.5	
100	256QAM	1	1	17.21	17.22	17.18	18.2	4.5	
Channel				648668	656000	662332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3745.02	3840	3934.98			
90	PI/2 BPSK	1	1	20.75	20.94	21.00	22.7	0.0	
Channel				649334	656000	662666	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3740.01	3840	3939.99 <th></th> <th></th> <th></th>			
80	PI/2 BPSK	1	1	20.90	20.91	20.91	22.7	0.0	
Channel				648000	656000	663000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3735	3840	3945			
70	PI/2 BPSK	1	1	20.73	21.02	20.91	22.7	0.0	
Channel				648668	656000	663332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1	20.92	20.87	21.00	22.7	0.0	
Channel				649334	656000	663666	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3725.01	3840	3954.99			
50	PI/2 BPSK	1	1	20.83	21.02	21.00	22.7	0.0	
Channel				648000	656000	664000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3720	3840 <th>3960</th> <th></th> <th></th> <th></th>	3960			
40	PI/2 BPSK	1	1	21.09	21.19	21.35	22.7	0.0	
Channel				647668	656000	664332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3715.02	3840	3964.98			
30	PI/2 BPSK	1	1	21.19	21.17	21.26	22.7	0.0	
Channel				645330	656000	664330	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3712.5	3840	3967.5			
25	PI/2 BPSK	1	1	21.06	21.19	21.26	22.7	0.0	
Channel				647334	656000	664666	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3710.01	3840	3969.99			
20	PI/2 BPSK	1	1	21.09	21.25	21.15	22.7	0.0	
Channel				647168	656000	664832	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3707.52	3840	3972.48			
15	PI/2 BPSK	1	1	21.20	21.24	21.17	22.7	0.0	
Channel				647000	656000	665000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3705	3840	3975			
10	PI/2 BPSK	1	1	21.13	21.28	21.32	22.7	0.0	

Conducted Power for DSI 5

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	376000	380000			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0	
20	Pl2 BPSK	1	53	23.59	23.66	23.54			
20	Pl2 BPSK	1	104	23.54	23.55	23.42			
20	Pl2 BPSK	50	0	23.61	23.61	23.52	24.2	0.5	
20	Pl2 BPSK	50	28	23.63	23.64	23.60	24.7	0.0	
20	Pl2 BPSK	50	56	23.62	23.62	23.49	24.2	0.5	
20	Pl2 BPSK	100	0	23.60	23.63	23.52	24.7	0.0	
20	QPSK	1	1	23.48	23.52	23.42			
20	QPSK	1	53	23.57	23.61	23.52			
20	QPSK	1	104	23.48	23.52	23.38	23.7	1.0	
20	QPSK	50	0	23.09	23.06	23.01			
20	QPSK	50	28	23.61	23.63	23.61			
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.15	22.99	23.7	1.0	
20	16QAM	1	1	22.74	22.78	22.64			
20	64QAM	1	1	21.28	21.31	21.16			
20	256QAM	1	1	19.84	19.85	19.76	20.2	4.5	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	23.51	23.55	23.53	24.7	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	23.33	23.41	23.34	24.7	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	23.59	23.62	23.58	24.7	0.0	

n2_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	376000	380000			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	15.47	15.51	15.48	16.7	0.0	
20	Pl2 BPSK	1	53	15.56	15.61	15.54			
20	Pl2 BPSK	1	104	15.45	15.52	15.47			
20	Pl2 BPSK	50	0	15.43	15.52	15.46	16.7	0.0	
20	Pl2 BPSK	50	28	15.50	15.60	15.50	16.7	0.0	
20	Pl2 BPSK	50	56	15.51	15.57	15.48	16.7	0.0	
20	Pl2 BPSK	100	0	15.52	15.59	15.55	16.7	0.0	
20	QPSK	1	1	15.40	15.47	15.39			
20	QPSK	1	53	15.54	15.57	15.51			
20	QPSK	1	104	15.40	15.46	15.38	16.7	0.0	
20	QPSK	50	0	15.50	15.55	15.48			
20	QPSK	50	28	15.55	15.59	15.51			
20	QPSK	50	56	15.49	15.57	15.48	16.7	0.0	
20	QPSK	100	0	15.54	15.58	15.51	16.7	0.0	
20	16QAM	1	1	15.10	15.18	15.13	16.7	0.0	
20	64QAM	1	1	15.11	15.17	15.08	16.7	0.0	
20	256QAM	1	1	15.54	15.58	15.50	16.7	0.0	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	15.42	15.48	15.38	16.7	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	15.37	15.47	15.38	16.7	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	15.43	15.46	15.43	16.7	0.0	

n2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	376000	380000			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	21.38	21.41	21.25	22.7	0.0	
20	Pl2 BPSK	1	53	21.47	21.54	21.44			
20	Pl2 BPSK	1	104	21.43	21.42	21.22			
20	Pl2 BPSK	50	0	21.46	21.46	21.38	22.2	0.5	
20	Pl2 BPSK	50	28	21.51	21.52	21.42	22.7	0.0	
20	Pl2 BPSK	50	56	21.46	21.47	21.38	22.2	0.5	
20	Pl2 BPSK	100	0	21.46	21.51	21.45	22.7	0.0	
20	QPSK	1	1	21.41	21.46	21.28			
20	QPSK	1	53	21.46	21.50	21.38			
20	QPSK	1	104	21.42	21.36	21.25	21.7	1.0	
20	QPSK	50	0	21.47	21.43	21.42			
20	QPSK	50	28	21.51	21.52	21.41			
20	QPSK	50	56	21.49	21.53	21.38	21.7	1.0	
20	QPSK	100	0	21.51	21.51	21.42	21.7	1.0	
20	16QAM	1	1	21.11	21.17	21.03			
20	64QAM	1	1	19.69	19.71	19.58			
20	256QAM	1	1	18.18	18.19	18.08	18.2	4.5	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	21.42	21.48	21.44	22.7	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	21.16	21.24	21.18	22.7	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	21.46	21.47	21.41	22.7	0.0	

n25_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	P12 BPSK	1	1	23.38	23.49	23.45	24.7	0.0	
40	P12 BPSK	1	108	23.98	24.04	24.02			
40	P12 BPSK	1	214	23.47	23.48	23.53	24.2	0.5	
40	P12 BPSK	108	0	23.37	23.45	23.45			
40	P12 BPSK	108	54	24.01	24.02	24.01	24.2	0.5	
40	P12 BPSK	108	108	23.34	23.44	23.38			
40	P12 BPSK	216	0	23.41	23.45	23.42	24.7	0.0	
40	QPSK	1	1	23.48	23.45	23.45			
40	QPSK	1	108	23.95	24.01	24.00	23.7	1.0	
40	QPSK	1	214	23.45	23.47	23.51			
40	QPSK	108	0	22.88	22.95	22.94	23.7	1.0	
40	QPSK	108	54	23.98	24.01	24.01			
40	QPSK	108	108	22.85	22.94	22.83	23.7	1.0	
40	QPSK	216	0	22.84	22.93	22.92			
40	16QAM	1	1	22.15	22.21	22.21	23.7	1.0	
40	64QAM	1	1	20.68	20.76	20.73			
40	256QAM	1	1	19.28	19.31	19.30	20.2	4.5	
Channel				373000	376500	380000			
Frequency (MHz)				1885	1882.5	1900	turn-up limit (dbm)	MPR (db)	
30	P12 BPSK	1	1	23.60	23.62	23.58	24.7	0.0	
Channel				372500	376500	380500	turn-up limit (dbm)	MPR (db)	
Frequency (MHz)				1892.5	1882.5	1902.5 <th>limit (dbm)</th> <th></th> <th></th>	limit (dbm)		
25	P12 BPSK	1	1	23.81	23.88	23.81	24.7	0.0	
Channel				372000	376500	381000	turn-up limit (dbm)	MPR (db)	
Frequency (MHz)				1880 <th>1882.5</th> <th>1905<th>limit (dbm)</th><th></th><th></th></th>	1882.5	1905 <th>limit (dbm)</th> <th></th> <th></th>	limit (dbm)		
20	P12 BPSK	1	1	23.96	23.98	23.92	24.7	0.0	
Channel				371500	376500	381500	turn-up limit (dbm)	MPR (db)	
Frequency (MHz)				1887.5	1882.5	1907.5 <th>limit (dbm)</th> <th></th> <th></th>	limit (dbm)		
15	P12 BPSK	1	1	23.90	24.02	23.94	24.7	0.0	
Channel				371000	376500	382000	turn-up limit (dbm)	MPR (db)	
Frequency (MHz)				1885 <th>1882.5</th> <th>1910<th>limit (dbm)</th><th></th><th></th></th>	1882.5	1910 <th>limit (dbm)</th> <th></th> <th></th>	limit (dbm)		
10	P12 BPSK	1	1	23.96	23.98	23.91	24.7	0.0	
Channel				370500	376500	382500	turn-up limit (dbm)	MPR (db)	
Frequency (MHz)				1882.5	1882.5	1912.5 <th>limit (dbm)</th> <th></th> <th></th>	limit (dbm)		
5	P12 BPSK	1	1	23.90	24.01	23.93	24.7	0.0	

n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	P12 BPSK	1	1	15.50	15.58	15.54	16.7	0.0	
40	P12 BPSK	1	108	16.03	16.00	16.02			
40	P12 BPSK	1	214	15.44	15.52	15.42	16.7	0.0	
40	P12 BPSK	108	0	15.55	15.58	15.53			
40	P12 BPSK	108	54	15.88	16.04	15.98	16.7	0.0	
40	P12 BPSK	108	108	15.85	15.95	15.88			
40	P12 BPSK	216	0	15.94	15.99	15.91	16.7	0.0	
40	QPSK	1	1	15.48	15.57	15.47			
40	QPSK	1	108	15.92	16.02	15.88	16.7	0.0	
40	QPSK	1	214	15.41	15.51	15.44			
40	QPSK	108	0	15.88	15.98	15.93	16.7	0.0	
40	QPSK	108	54	15.91	16.01	15.96			
40	QPSK	108	108	15.90	15.95	15.85	16.7	0.0	
40	QPSK	216	0	15.86	15.93	15.89			
40	16QAM	1	1	15.25	15.35	15.32	16.7	0.0	
40	64QAM	1	1	15.37	15.40	15.34			
40	256QAM	1	1	15.88	15.93	15.89	16.7	0.0	
Channel				373000	376500	380000	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1882.5	1900	limit (dBm)		
30	P12 BPSK	1	1	15.47	15.57	15.49	16.7	0.0	
Channel				372500 <th>376500<th>380500</th><th>turn-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	376500 <th>380500</th> <th>turn-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	380500	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1892.5	1882.5	1902.5	limit (dBm)		
25	P12 BPSK	1	1	15.43	15.53	15.46	16.7	0.0	
Channel				372000 <th>376500<th>381000</th><th>turn-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	376500 <th>381000</th> <th>turn-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	381000	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1880 <th>1882.5<th>1905</th><th>limit (dBm)</th><th></th><th></th></th>	1882.5 <th>1905</th> <th>limit (dBm)</th> <th></th> <th></th>	1905	limit (dBm)		
20	P12 BPSK	1	1	15.41	15.55	15.51	16.7	0.0	
Channel				371500 <th>376500<th>381500</th><th>turn-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	376500 <th>381500</th> <th>turn-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	381500	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1882.5	1907.5	limit (dBm)		
15	P12 BPSK	1	1	15.44	15.56	15.48	16.7	0.0	
Channel				371000 <th>376500<th>382000</th><th>turn-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	376500 <th>382000</th> <th>turn-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	382000	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855 <th>1882.5<th>1910</th><th>limit (dBm)</th><th></th><th></th></th>	1882.5 <th>1910</th> <th>limit (dBm)</th> <th></th> <th></th>	1910	limit (dBm)		
10	P12 BPSK	1	1	15.45	15.53	15.45	16.7	0.0	
Channel				370500 <th>376500<th>382500</th><th>turn-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	376500 <th>382500</th> <th>turn-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	382500	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5 <th>1882.5<th>1912.5</th><th>limit (dBm)</th><th></th><th></th></th>	1882.5 <th>1912.5</th> <th>limit (dBm)</th> <th></th> <th></th>	1912.5	limit (dBm)		
5	P12 BPSK	1	1	15.47	15.54	15.47	16.7	0.0	

n25_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	P12 BPSK	1	1	21.31	21.38	21.38	22.7	0.0	
40	P12 BPSK	1	108	21.86	21.89	21.88			
40	P12 BPSK	1	214	21.29	21.31	21.35	22.2	0.5	
40	P12 BPSK	108	0	21.81	21.82	21.85			
40	P12 BPSK	108	54	21.86	21.88	21.87	22.2	0.0	
40	P12 BPSK	108	108	21.82	21.72	21.71			
40	P12 BPSK	216	0	21.76	21.79	21.75	22.7	0.5	
40	QPSK	1	1	21.28	21.34	21.32			
40	QPSK	1	108	21.84	21.88	21.87	22.7	0.0	
40	QPSK	1	214	21.35	21.33	21.31			
40	QPSK	108	0	21.29	21.30	21.28	21.7	1.0	
40	QPSK	108	54	21.83	21.87	21.86			
40	QPSK	108	108	21.28	21.24	21.22	21.7	1.0	
40	QPSK	216	0	21.30	21.25	21.22			
40	16QAM	1	1	20.57	20.61	20.60	21.7	1.0	
40	64QAM	1	1	19.13	19.19	19.17			
40	256QAM	1	1	17.71	17.79	17.78	18.2	4.5	
Channel				373000	376500	380000	18.1	MPR	
Frequency (MHz)				1885	1882.5	1900	turn-up limit (dBm)		
30	P12 BPSK	1	1	21.53	21.55	21.49	22.7	0.0	
Channel				372500	376500	380500	turn-up limit (dBm)	MPR	
Frequency (MHz)				1892.5	1882.5	1902.5	limit (dBm)		
25	P12 BPSK	1	1	21.49	21.74	21.72	22.7	0.0	
Channel				372000	376500	381000	turn-up limit (dBm)	MPR	
Frequency (MHz)				1880	1882.5	1905	limit (dBm)		
20	P12 BPSK	1	1	21.78	21.85	21.80	22.7	0.0	
Channel				371500	376500	381500	18.1	MPR	
Frequency (MHz)				1857.5	1882.5	1907.5	limit (dBm)		
15	P12 BPSK	1	1	21.79	21.86	21.80	22.7	0.0	
Channel				371000	376500	382000	turn-up limit (dBm)	MPR	
Frequency (MHz)				1855	1882.5	1910	limit (dBm)		
10	P12 BPSK	1	1	21.75	21.81	21.76	22.7	0.0	
Channel				370500	376500	382500	turn-up limit (dBm)	MPR	
Frequency (MHz)				1852.5	1882.5	1912.5	limit (dBm)		
5	P12 BPSK	1	1	21.81	21.86	21.82	22.7	0.0	

n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	349000	353000			
Channel				1725	1745	1765			
Frequency (MHz)									
40	Pl2 BPSK	1	1	23.51	23.41	23.40	24.7	0.0	
40	Pl2 BPSK	1	108	23.95	23.98	23.91			
40	Pl2 BPSK	1	214	23.35	23.38	23.34	24.2	0.5	
40	Pl2 BPSK	108	0	23.38	23.32	23.35			
40	Pl2 BPSK	108	54	23.94	23.95	23.92	24.2	0.5	
40	Pl2 BPSK	108	108	23.54	23.22	23.54			
40	Pl2 BPSK	216	0	23.48	23.50	23.42			
40	QPSK	1	1	23.51	23.38	23.38	24.7	0.0	
40	QPSK	1	108	23.94	23.92	23.89			
40	QPSK	1	214	23.38	23.35	23.31	23.7	1.0	
40	QPSK	108	0	22.85	22.81	22.84			
40	QPSK	108	54	23.92	23.94	23.91	23.7	1.0	
40	QPSK	108	108	23.02	22.88	23.00			
40	QPSK	216	0	22.98	22.75	22.91			
40	16QAM	1	1	22.23	22.13	22.14			
40	64QAM	1	1	20.78	20.70	20.69			
40	256QAM	1	1	19.42	19.28	19.31			
Channel				345000	349000	353000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1725	1745	1765			
30	Pl2 BPSK	1	1	23.65	23.68	23.60	24.7	0.0	
Channel				344500	349000	353500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1722.5	1745	1747.5			
25	Pl2 BPSK	1	1	23.57	23.52	23.50	24.7	0.0	
Channel				344000	349000	354000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1720	1745	1770			
20	Pl2 BPSK	1	1	23.88	23.92	23.89	24.7	0.0	
Channel				343500	349000	354500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1717.5	1745	1772.5			
15	Pl2 BPSK	1	1	23.87	23.95	23.88	24.7	0.0	
Channel				343000	349000	355000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1715	1745	1775			
10	Pl2 BPSK	1	1	23.84	23.92	23.85	24.7	0.0	
Channel				342500	349000	355500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1712.5	1745	1777.5			
5	Pl2 BPSK	1	1	23.87	23.94	23.88	24.7	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	349000	353000			
Channel				1725	1745	1765			
Frequency (MHz)									
40	PV2 BPSK	1	1	16.77	16.84	16.80	18.2	0.0	
40	PV2 BPSK	1	108	17.33	17.38	17.32			
40	PV2 BPSK	1	214	16.76	16.80	16.73	18.2	0.0	
40	PV2 BPSK	108	0	17.05	17.12	17.08			
40	PV2 BPSK	108	54	17.26	17.35	17.27	18.2	0.0	
40	PV2 BPSK	108	108	16.98	17.02	16.97			
40	PV2 BPSK	216	0	17.03	17.06	16.97			
40	QPSK	1	1	16.78	16.82	16.79	18.2	0.0	
40	QPSK	1	108	17.25	17.32	17.23			
40	QPSK	1	214	16.71	16.80	16.75	17.05	0.0	
40	QPSK	108	0	17.08	17.11	17.05			
40	QPSK	108	54	17.21	17.30	17.22	17.05	0.0	
40	QPSK	108	108	16.97	17.05	16.99			
40	QPSK	216	0	16.97	17.04	17.01			
40	16QAM	1	1	16.96	16.82	16.99			
40	64QAM	1	1	16.59	16.63	16.54			
40	256QAM	1	1	17.14	17.21	17.18			
Channel				345000	349000	353000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PV2 BPSK	1	1	16.77	16.84	16.80	18.2	0.0	
Channel				344500	349000	353500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1747.5			
25	PV2 BPSK	1	1	16.77	16.84	16.80	18.2	0.0	
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	16.77	16.84	16.80	18.2	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PV2 BPSK	1	1	16.77	16.84	16.80	18.2	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PV2 BPSK	1	1	16.77	16.84	16.80	18.2	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PV2 BPSK	1	1	16.77	16.84	16.80	18.2	0.0	

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				673	680.5	688		
Frequency (MHz)								
20	Pl/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0
20	Pl/2 BPSK	1	53	24.10	24.21	24.15		
20	Pl/2 BPSK	1	104	23.98	24.15	24.02		
20	Pl/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5
20	Pl/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0
20	Pl/2 BPSK	50	56	23.55	23.68	23.73	24.7	0.5
20	Pl/2 BPSK	100	0	23.53	23.76	23.67		
20	QPSK	1	1	23.91	24.08	23.95		
20	QPSK	1	53	24.05	24.18	24.14	25.2	0.0
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.88	23.15	23.16	24.2	1.0
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.18		
20	16QAM	1	1	22.69	22.82	22.72	24.2	1.0
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	Pl/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	Pl/2 BPSK	1	1	23.88 <td>23.95<td>23.89</td><td>25.2</td><td>0.0</td></td>	23.95 <td>23.89</td> <td>25.2</td> <td>0.0</td>	23.89	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	Pl/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0

n71_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				673	680.5	688		
Frequency (MHz)								
20	Pl/2 BPSK	1	1	21.46	21.52	21.46	22.7	0.0
20	Pl/2 BPSK	1	53	21.64	21.70	21.66		
20	Pl/2 BPSK	1	104	21.42	21.46	21.40		
20	Pl/2 BPSK	50	0	21.56	21.64	21.61	22.7	0.0
20	Pl/2 BPSK	50	28	21.57	21.66	21.60	22.7	0.0
20	Pl/2 BPSK	50	56	21.55	21.63	21.60		
20	Pl/2 BPSK	100	0	21.62	21.67	21.58		
20	QPSK	1	1	21.48	21.52	21.44	22.7	0.0
20	QPSK	1	53	21.55	21.62	21.56		
20	QPSK	1	104	21.39	21.43	21.35		
20	QPSK	50	0	21.62	21.67	21.60	22.7	0.0
20	QPSK	50	28	21.59	21.63	21.60	22.7	0.0
20	QPSK	50	56	21.64	21.69	21.59	22.7	0.0
20	QPSK	100	0	21.59	21.68	21.63	22.2	0.5
20	16QAM	1	1	21.15	21.25	21.20		
20	64QAM	1	1	21.28	21.34	21.27		
20	256QAM	1	1	19.99	20.05	19.96	20.7	2.0
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	Pl/2 BPSK	1	1	21.37	21.51	21.43	22.7	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	Pl/2 BPSK	1	1	21.37	21.49	21.38	22.7	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	Pl/2 BPSK	1	1	21.38	21.48	21.39	22.7	0.0

n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				505202	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pl2 BPSK	1	1	18.38	18.42	18.28			
100	Pl2 BPSK	1	137	19.15	19.18	18.96	20.2		0.0
100	Pl2 BPSK	1	231	18.23	18.29	18.22			
100	Pl2 BPSK	135	0	18.92	19.03	18.87	20.2		0.0
100	Pl2 BPSK	135	69	19.12	19.15	18.98	20.2		0.0
100	Pl2 BPSK	135	138	18.89	19.01	18.78			
100	Pl2 BPSK	270	0	18.91	18.96	18.86	20.2		0.0
100	QPSK	1	1	18.37	18.42	18.25			
100	QPSK	1	137	18.96	19.11	18.77	20.2		0.0
100	QPSK	1	271	18.23	18.32	18.21			
100	QPSK	135	0	19.05	18.85	18.85			
100	QPSK	135	69	19.11	19.06	18.23	20.2		0.0
100	QPSK	135	138	19.03	18.67	18.89			
100	QPSK	270	0	19.01	18.75	18.90	19.7		0.5
100	16QAM	1	1	18.23	18.02	18.01	19.2		1.0
100	64QAM	1	1	18.16	18.12	18.08	19.2		1.0
100	256QAM	1	1	18.15	18.05	18.00	18.7		1.5
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pl2 BPSK	1	1	18.46	18.55	18.23	20.2		0.0
Channel				532204	518598	529998	limit (dB)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pl2 BPSK	1	1	18.50	18.36	18.31	20.2		0.0
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	Pl2 BPSK	1	1	18.52	18.51	18.31	20.2		0.0
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pl2 BPSK	1	1	18.52	18.66	18.42	20.2		0.0
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pl2 BPSK	1	1	18.52	18.48	18.50	20.2		0.0
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	Pl2 BPSK	1	1	18.58	18.50	18.51	20.2		0.0
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pl2 BPSK	1	1	18.61	18.49	18.40	20.2		0.0
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pl2 BPSK	1	1	18.59	18.47	18.52	20.2		0.0

n41_Ant 4(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up power (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				505202	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PV2 BPSK	1	1	21.33	21.38	21.31			
100	PV2 BPSK	1	137	22.03	22.30	21.41	23.2		0.0
100	PV2 BPSK	1	231	21.98	22.31	21.23			
100	PV2 BPSK	135	0	21.98	22.09	21.96	22.7		0.5
100	PV2 BPSK	135	69	22.01	22.16	21.51	23.2		0.0
100	PV2 BPSK	135	138	21.96	21.89	21.50	22.7		0.5
100	PV2 BPSK	270	0	22.03	22.09	22.01			
100	QPSK	1	1	21.46	21.51	21.41			
100	QPSK	1	137	21.94	22.16	21.26	23.2		0.0
100	QPSK	1	271	21.42	22.20	21.21			
100	QPSK	135	0	21.61	21.88	21.55			
100	QPSK	135	69	22.11	22.14	21.58	23.2		0.0
100	QPSK	135	138	21.69	21.36	21.35			
100	QPSK	270	0	20.94	21.31	21.42	22.2		1.0
100	16QAM	1	1	20.86	20.61	20.55	22.2		1.0
100	64QAM	1	1	19.17	19.19	19.16	20.7		2.5
100	256QAM	1	1	18.12	18.14	18.04	18.7		4.5
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PV2 BPSK	1	1	21.38	21.46	21.36	23.2		0.0
Channel				532204	518598	529998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PV2 BPSK	1	1	21.42	21.37	21.42	23.2		0.0
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PV2 BPSK	1	1	21.29	21.44	21.44	23.2		0.0
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PV2 BPSK	1	1	21.46	21.64	21.50	23.2		0.0
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PV2 BPSK	1	1	21.46	21.66	21.45	23.2		0.0
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PV2 BPSK	1	1	21.53	21.52	21.46	23.2		0.0
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PV2 BPSK	1	1	21.54	21.67	21.59	23.2		0.0
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PV2 BPSK	1	1	21.49	21.62	21.53	23.2		0.0

n77(Part 27Q)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				3500.01					
Frequency (MHz)				633334					
100	PI/2 BPSK	1	1		11.13		12.7	0.0	
100	PI/2 BPSK	1	137		11.83				
100	PI/2 BPSK	1	271		11.20				
100	PI/2 BPSK	135	0		11.80		12.7	0.0	
100	PI/2 BPSK	135	69		11.74		12.7	0.0	
100	PI/2 BPSK	135	138		11.58		12.7	0.0	
100	PI/2 BPSK	270	0		11.88		12.7	0.0	
100	QPSK	1	1		11.11				
100	QPSK	1	137		11.71				
100	QPSK	1	271		11.24		12.7	0.0	
100	QPSK	135	0		11.82				
100	QPSK	135	69		11.86				
100	QPSK	135	138		11.58		12.7	0.0	
100	QPSK	270	0		11.81				
100	16QAM	1	1		11.04		12.7	0.0	
100	64QAM	1	1		10.77		12.7	0.0	
100	256QAM	1	1		11.16		12.7	0.0	
Channel				633000	633334	633668	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	11.07	11.07	11.06	12.7	0.0	
Channel				632668	633334	634000	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1	11.07	11.08	11.05	12.7	0.0	
Channel				632334	633334	634332	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1	11.07	11.09	11.06	12.7	0.0	
Channel				632000	633334	634668	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	11.07	11.11	11.07	12.7	0.0	
Channel				631668	633334	635000	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	11.08	11.11	11.05	12.7	0.0	
Channel				631334	633334	635332	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	11.07	11.10	11.08	12.7	0.0	
Channel				631000	633334	635668	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	11.04	11.10	11.03	12.7	0.0	
Channel				630334	633334	636000	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI/2 BPSK	1	1	11.07	11.09	11.07	12.7	0.0	
Channel				630668	633334	636000	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	11.08	11.11	11.10	12.7	0.0	
Channel				630500	633334	636168	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI/2 BPSK	1	1	11.03	11.10	11.07	12.7	0.0	
Channel				630334	633334	636332	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI/2 BPSK	1	1	11.07	11.12	11.08	12.7	0.0	

n77(Part 27Q)_Ant 6(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		14.12		15.7	0.0	
100	PI/2 BPSK	1	137		14.83				
100	PI/2 BPSK	1	271		14.22				
100	PI/2 BPSK	135	0		14.82		15.7	0.0	
100	PI/2 BPSK	135	69		14.76		15.7	0.0	
100	PI/2 BPSK	135	138		14.61		15.7	0.0	
100	PI/2 BPSK	270	0		14.70		15.7	0.0	
100	QPSK	1	1		14.08				
100	QPSK	1	137		14.76				
100	QPSK	1	271		14.20		15.7	0.0	
100	QPSK	135	0		14.80				
100	QPSK	135	69		14.71				
100	QPSK	135	138		14.55		15.7	0.0	
100	QPSK	270	0		14.68				
100	16QAM	1	1		14.04		15.7	0.0	
100	64QAM	1	1		13.82		15.7	0.0	
100	256QAM	1	1		14.17		15.7	0.0	
Channel				633000	633334	633668	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	14.02	14.07	14.06	15.7	0.0	
Channel				632668	633334	634000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1	14.06	14.06	14.05	15.7	0.0	
Channel				632334	633334	634332	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1	14.06	14.09	14.07	15.7	0.0	
Channel				632000	633334	634668	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	14.02	14.07	14.02	15.7	0.0	
Channel				631668	633334	635000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	14.05	14.06	14.09	15.7	0.0	
Channel				631334	633334	635332	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	14.04	14.07	14.04	15.7	0.0	
Channel				631000	633334	635668	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	14.04	14.09	14.05	15.7	0.0	
Channel				630334	633334	636000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI/2 BPSK	1	1	14.03	14.05	14.06	15.7	0.0	
Channel				630668	633334	636000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	14.05	14.10	14.08	15.7	0.0	
Channel				630500	633334	636168	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI/2 BPSK	1	1	14.07	14.07	14.06	15.7	0.0	
Channel				630334	633334	636332	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI/2 BPSK	1	1	14.06	14.08	14.07	15.7	0.0	

n77(Part 270)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				650000	650000	650000			
Channel				3750	3840	3930			
Frequency (MHz)				11.24	11.26	11.26			
100	PI/2 BPSK	1	1	11.24	11.26	11.26	12.7	0.0	
100	PI/2 BPSK	1	137	11.93	11.99	11.94			
100	PI/2 BPSK	1	271	11.24	11.25	11.22			
100	PI/2 BPSK	135	0	11.73	11.85	11.78	12.7	0.0	
100	PI/2 BPSK	135	69	11.83	11.94	11.92	12.7	0.0	
100	PI/2 BPSK	135	138	11.78	11.82	11.78	12.7	0.0	
100	PI/2 BPSK	270	0	11.74	11.78	11.71			
100	QPSK	1	1	11.20	11.26	11.13			
100	QPSK	1	137	11.85	11.92	11.81	12.7	0.0	
100	QPSK	1	271	11.21	11.20	11.14			
100	QPSK	135	0	11.73	11.77	11.70			
100	QPSK	135	69	11.86	11.90	11.81	12.7	0.0	
100	QPSK	135	138	11.77	11.76	11.73			
100	QPSK	270	0	11.74	11.88	11.74			
100	16QAM	1	1	11.06	11.18	11.05	12.7	0.0	
100	64QAM	1	1	10.82	10.85	10.82	12.7	0.0	
100	256QAM	1	1	11.22	11.30	11.20	12.7	0.0	
Channel				648668	656000	662332	tune-up limit (dBm)	MPR	(dB)
90	PI/2 BPSK	1	1	11.23	11.22	11.23	12.7	0.0	
Channel				646334	656000	662666	tune-up limit (dBm)	MPR	(dB)
80	PI/2 BPSK	1	1	11.22	11.20	11.23	12.7	0.0	
Channel				648000	656000	663000	tune-up limit (dBm)	MPR	(dB)
70	PI/2 BPSK	1	1	11.22	11.23	11.24	12.7	0.0	
Channel				648668	656000	663332	tune-up limit (dBm)	MPR	(dB)
60	PI/2 BPSK	1	1	11.19	11.19	11.25	12.7	0.0	
Channel				646334	656000	663666	tune-up limit (dBm)	MPR	(dB)
50	PI/2 BPSK	1	1	11.19	11.25	11.21	12.7	0.0	
Channel				648000	656000	664000	tune-up limit (dBm)	MPR	(dB)
40	PI/2 BPSK	1	1	11.19	11.25	11.25	12.7	0.0	
Channel				647668	656000	664332	tune-up limit (dBm)	MPR	(dB)
30	PI/2 BPSK	1	1	11.23	11.20	11.24	12.7	0.0	
Channel				647334	652000	664666	tune-up limit (dBm)	MPR	(dB)
25	PI/2 BPSK	1	1	11.23	11.23	11.21	12.7	0.0	
Channel				647334	656000	664666	tune-up limit (dBm)	MPR	(dB)
20	PI/2 BPSK	1	1	11.22	11.24	11.23	12.7	0.0	
Channel				647168	656000	664832	tune-up limit (dBm)	MPR	(dB)
15	PI/2 BPSK	1	1	11.21	11.23	11.21	12.7	0.0	
Channel				647000	656000	665000	tune-up limit (dBm)	MPR	(dB)
10	PI/2 BPSK	1	1	11.20	11.20	11.24	12.7	0.0	

n77(Part 270)_Ant 6(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				650000	650000	650000			
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI/2 BPSK	1	1	14.22	14.28	14.22	15.7	0.0	
100	PI/2 BPSK	1	137	14.91	15.00	14.92			
100	PI/2 BPSK	1	271	14.22	14.30	14.25			
100	PI/2 BPSK	135	0	14.77	14.85	14.75	15.7	0.0	
100	PI/2 BPSK	135	69	14.88	14.95	14.92	15.7	0.0	
100	PI/2 BPSK	135	138	14.75	14.81	14.73	15.7	0.0	
100	PI/2 BPSK	270	0	14.74	14.83	14.73			
100	QPSK	1	1	14.17	14.21	14.15			
100	QPSK	1	137	14.89	14.94	14.84	15.7	0.0	
100	QPSK	1	271	14.18	14.25	14.19			
100	QPSK	135	0	14.70	14.79	14.74			
100	QPSK	135	69	14.84	14.90	14.82	15.7	0.0	
100	QPSK	135	138	14.72	14.76	14.72			
100	QPSK	270	0	14.75	14.84	14.74			
100	16QAM	1	1	14.06	14.15	14.07	15.7	0.0	
100	64QAM	1	1	13.85	13.88	13.78	15.7	0.0	
100	256QAM	1	1	14.23	14.28	14.18	15.7	0.0	
Channel				648668	656000	662332	tune-up limit (dBm)	MPR	(dB)
90	PI/2 BPSK	1	1	14.19	14.27	14.19	15.7	0.0	
Channel				646334	656000	662666	tune-up limit (dBm)	MPR	(dB)
80	PI/2 BPSK	1	1	14.17	14.24	14.19	15.7	0.0	
Channel				648000	656000	663000	tune-up limit (dBm)	MPR	(dB)
70	PI/2 BPSK	1	1	14.20	14.24	14.21	15.7	0.0	
Channel				648668	656000	663332	tune-up limit (dBm)	MPR	(dB)
60	PI/2 BPSK	1	1	14.20	14.27	14.17	15.7	0.0	
Channel				646334	656000	663666	tune-up limit (dBm)	MPR	(dB)
50	PI/2 BPSK	1	1	14.21	14.24	14.18	15.7	0.0	
Channel				648000	656000	664000	tune-up limit (dBm)	MPR	(dB)
40	PI/2 BPSK	1	1	14.17	14.25	14.19	15.7	0.0	
Channel				647668	656000	664332	tune-up limit (dBm)	MPR	(dB)
30	PI/2 BPSK	1	1	14.21	14.27	14.21	15.7	0.0	
Channel				647334	656000	664666	tune-up limit (dBm)	MPR	(dB)
25	PI/2 BPSK	1	1	14.21	14.24	14.18	15.7	0.0	
Channel				647334	656000	664998	tune-up limit (dBm)	MPR	(dB)
20	PI/2 BPSK	1	1	14.17	14.23	14.21	15.7	0.0	
Channel				647168	656000	664832	tune-up limit (dBm)	MPR	(dB)
15	PI/2 BPSK	1	1	14.19	14.25	14.19	15.7	0.0	
Channel				647000	656000	665000	tune-up limit (dBm)	MPR	(dB)
10	PI/2 BPSK	1	1	14.18	14.27	14.17	15.7	0.0	

Conducted Power for DSI 10

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				371000	376000	380000			
				Channel					
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0	
20	Pl2 BPSK	1	53	23.59	23.66	23.54			
20	Pl2 BPSK	1	104	23.54	23.55	23.42	24.2	0.5	
20	Pl2 BPSK	50	0	23.61	23.61	23.52			
20	Pl2 BPSK	50	28	23.63	23.54	23.60	24.7	0.0	
20	Pl2 BPSK	50	56	23.62	23.62	23.49			
20	Pl2 BPSK	100	0	23.60	23.63	23.52	24.7	0.5	
20	QPSK	1	1	23.48	23.52	23.42			
20	QPSK	1	53	23.57	23.61	23.52	24.7	0.0	
20	QPSK	1	104	23.48	23.52	23.38			
20	QPSK	50	0	23.09	23.06	23.01	23.7	1.0	
20	QPSK	50	28	23.61	23.63	23.61			
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.15	22.99			
20	16QAM	1	1	22.74	22.78	22.64	22.2	2.5	
20	64QAM	1	1	21.28	21.31	21.16			
20	256QAM	1	1	19.84	19.85	19.76	20.2	4.5	
Channel				371500	376000	380500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1857.5	1890	1902.5			
15	Pl2 BPSK	1	1	23.51	23.55	23.53	24.7	0.0	
Channel				371000	376000	381000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1855	1890	1905			
10	Pl2 BPSK	1	1	23.38	23.41	23.34	24.7	0.0	
Channel				370500	376000	381500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5	1890	1907.5			
5	Pl2 BPSK	1	1	23.59	23.62	23.58	24.7	0.0	

n2_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low	Power Middle	Power High			
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.			
				372000	376000	380500			
Channel				1800	1880	1900			
Frequency (MHz)									
20	Pl2 BPSK	1	1	14.50	14.54	14.49	15.7	0.0	
20	Pl2 BPSK	1	53	14.55	14.64	14.53			
20	Pl2 BPSK	1	104	14.49	14.52	14.45	15.7	0.0	
20	Pl2 BPSK	50	0	14.38	14.45	14.43			
20	Pl2 BPSK	50	28	14.48	14.63	14.48	15.7	0.0	
20	Pl2 BPSK	50	56	14.55	14.57	14.47			
20	Pl2 BPSK	100	0	14.53	14.62	14.60	15.7	0.0	
20	QPSK	1	1	14.40	14.42	14.43			
20	QPSK	1	53	14.51	14.55	14.54	15.7	0.0	
20	QPSK	1	104	14.41	14.47	14.34			
20	QPSK	50	0	14.46	14.54	14.53	15.7	0.0	
20	QPSK	50	28	14.56	14.56	14.53			
20	QPSK	50	56	14.51	14.50	14.46	15.7	0.0	
20	QPSK	100	0	14.51	14.54	14.49			
20	16QAM	1	1	14.15	14.14	14.08	15.7	0.0	
20	64QAM	1	1	14.06	14.21	14.05			
20	256QAM	1	1	14.59	14.53	14.50	15.7	0.0	
Channel				371500	376000	380500	tune-up limit	MPR	
Frequency (MHz)				1897.5	1890	1902.5	(dBm)	(dB)	
15	Pl2 BPSK	1	1	14.44	14.49	14.45	15.7	0.0	
Channel				371000	376000	381000	tune-up limit	MPR	
Frequency (MHz)				1865	1890	1905	(dBm)	(dB)	
10	Pl2 BPSK	1	1	14.47	14.50	14.44	15.7	0.0	
Channel				370500	376000	381500	tune-up limit	MPR	
Frequency (MHz)				1862.5	1890	1907.5	(dBm)	(dB)	
5	Pl2 BPSK	1	1	14.41	14.51	14.42	15.7	0.0	

n2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1850	1890	1900			
20	Pl2 BPSK	1	1	21.38	21.41	21.25	22.7	0.0	
20	Pl2 BPSK	1	53	21.47	21.54	21.44			
20	Pl2 BPSK	1	104	21.43	21.42	21.22	22.2	0.5	
20	Pl2 BPSK	50	0	21.46	21.46	21.38			
20	Pl2 BPSK	50	28	21.51	21.52	21.42	22.7	0.0	
20	Pl2 BPSK	50	56	21.46	21.47	21.38			
20	Pl2 BPSK	100	0	21.48	21.51	21.45	22.2	0.5	
20	QPSK	1	1	21.41	21.46	21.28			
20	QPSK	1	53	21.46	21.50	21.38	22.7	0.0	
20	QPSK	1	104	21.42	21.36	21.25			
5	QPSK	50	0	21.47	21.43	21.42	21.7	1.0	
20	QPSK	50	28	21.51	21.52	21.41			
20	QPSK	50	56	21.49	21.53	21.38	21.7	1.0	
20	QPSK	100	0	21.51	21.51	21.42			
20	16QAM	1	1	21.11	21.17	21.03	20.2	2.5	
20	64QAM	1	1	19.69	19.71	19.58			
20	256QAM	1	1	18.18	18.19	18.08	18.2	4.5	
Channel				371500	376000	380500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1897.5	1890	1902.5			
15	Pl2 BPSK	1	1	21.42	21.48	21.44	22.7	0.0	
Channel				371000	376000	381000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1865 <th>1890<th>1905</th><th></th><th></th><th></th></th>	1890 <th>1905</th> <th></th> <th></th> <th></th>	1905			
10	Pl2 BPSK	1	1	21.16	21.24	21.18	22.7	0.0	
Channel				370500	376000	381500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5 <th>1890<th>1907.5</th><th></th><th></th><th></th></th>	1890 <th>1907.5</th> <th></th> <th></th> <th></th>	1907.5			
5	Pl2 BPSK	1	1	21.46	21.47	21.41	22.7	0.0	

n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	349000	353000			
Channel				1725	1745	1765			
Frequency (MHz)									
40	Pl2 BPSK	1	1	23.51	23.41	23.40	24.7	0.0	
40	Pl2 BPSK	1	108	23.95	23.98	23.91			
40	Pl2 BPSK	1	214	23.35	23.38	23.34	24.2	0.5	
40	Pl2 BPSK	108	0	23.38	23.32	23.35			
40	Pl2 BPSK	108	54	23.94	23.95	23.92	24.2	0.5	
40	Pl2 BPSK	108	108	23.54	23.22	23.54			
40	Pl2 BPSK	216	0	23.48	23.50	23.42			
40	QPSK	1	1	23.51	23.38	23.38	24.7	0.0	
40	QPSK	1	108	23.94	23.92	23.89			
40	QPSK	1	214	23.38	23.35	23.31	23.7	1.0	
40	QPSK	108	0	22.85	22.81	22.84			
40	QPSK	108	54	23.92	23.94	23.91	23.7	1.0	
40	QPSK	108	108	23.02	22.88	23.00			
40	QPSK	216	0	22.98	22.75	22.91			
40	16QAM	1	1	22.23	22.13	22.14			
40	64QAM	1	1	20.78	20.70	20.69			
40	256QAM	1	1	19.42	19.28	19.31			
Channel				345000	349000	353000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1725	1745	1765			
30	Pl2 BPSK	1	1	23.65	23.68	23.60	24.7	0.0	
Channel				344500	349000	353500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1722.5	1745	1747.5			
25	Pl2 BPSK	1	1	23.57	23.52	23.50	24.7	0.0	
Channel				344000	349000	354000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1720	1745	1770			
20	Pl2 BPSK	1	1	23.88	23.92	23.89	24.7	0.0	
Channel				343500	349000	354500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1717.5	1745	1772.5			
15	Pl2 BPSK	1	1	23.87	23.95	23.88	24.7	0.0	
Channel				343000	349000	355000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1715	1745	1775			
10	Pl2 BPSK	1	1	23.84	23.92	23.85	24.7	0.0	
Channel				342500	349000	355500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1712.5	1745	1777.5			
5	Pl2 BPSK	1	1	23.87	23.94	23.88	24.7	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	349000	353000			
Channel				1745	1765	1785			
Frequency (MHz)									
40	PV2 BPSK	1	1	16.26	16.36	16.30	17.7	0.0	
40	PV2 BPSK	1	108	16.84	16.86	16.79			
40	PV2 BPSK	1	214	16.23	16.30	16.27	17.7	0.0	
40	PV2 BPSK	108	0	16.56	16.67	16.61			
40	PV2 BPSK	108	54	16.74	16.84	16.75	17.7	0.0	
40	PV2 BPSK	108	108	16.46	16.49	16.43			
40	PV2 BPSK	216	0	16.52	16.57	16.47			
40	QPSK	1	1	16.26	16.36	16.31	17.7	0.0	
40	QPSK	1	108	16.74	16.82	16.77			
40	QPSK	1	214	16.18	16.26	16.25	17.7	0.0	
40	QPSK	108	0	16.57	16.56	16.58			
40	QPSK	108	54	16.70	16.79	16.68	17.7	0.0	
40	QPSK	108	108	16.46	16.54	16.50			
40	QPSK	216	0	16.50	16.51	16.51			
40	16QAM	1	1	16.08	16.11	16.06			
40	64QAM	1	1	16.04	16.17	16.04			
40	256QAM	1	1	16.61	16.70	16.66			
Channel				345000	349000	353000	1765.0 limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PV2 BPSK	1	1	16.17	16.33	16.25	17.7	0.0	
Channel				344500	349000	353500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1747.5			
25	PV2 BPSK	1	1	16.18	16.34	16.27	17.7	0.0	
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	16.16	16.32	16.27	17.7	0.0	
Channel				343500	349000	354500	1772.5 limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PV2 BPSK	1	1	16.18	16.34	16.26	17.7	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PV2 BPSK	1	1	16.20	16.33	16.23	17.7	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PV2 BPSK	1	1	16.23	16.35	16.20	17.7	0.0	

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				673	680.5	688		
Frequency (MHz)				673	680.5	688		
20	Pl/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0
20	Pl/2 BPSK	1	53	24.10	24.21	24.15		
20	Pl/2 BPSK	1	104	23.98	24.15	24.02		
20	Pl/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5
20	Pl/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0
20	Pl/2 BPSK	50	56	23.55	23.68	23.73	24.7	0.5
20	Pl/2 BPSK	100	0	23.53	23.76	23.67		
20	QPSK	1	1	23.91	24.08	23.95		
20	QPSK	1	53	24.05	24.18	24.14	25.2	0.0
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.88	23.15	23.18	24.2	1.0
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.18		
20	16QAM	1	1	22.69	22.82	22.72	24.2	1.0
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				693	690.5	690.5	limit (dBm)	
15	Pl/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	660.5	663	25.2 <th></th>	
10	Pl/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5	limit (dBm)	
5	Pl/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0

n71_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				673	680.5	688		
Frequency (MHz)				673	680.5	688		
20	Pl/2 BPSK	1	1	20.94	20.97	20.94	22.2	0.0
20	Pl/2 BPSK	1	53	21.17	21.22	21.13		
20	Pl/2 BPSK	1	104	20.94	21.01	20.93		
20	Pl/2 BPSK	50	0	21.02	21.15	21.16	22.2	0.0
20	Pl/2 BPSK	50	28	21.09	21.19	21.09	22.2	0.0
20	Pl/2 BPSK	50	56	21.09	21.11	21.11	22.2	0.0
20	Pl/2 BPSK	100	0	21.12	21.17	21.07		
20	QPSK	1	1	20.94	20.99	20.92		
20	QPSK	1	53	21.02	21.15	21.10	22.2	0.0
20	QPSK	1	104	20.87	20.93	20.80		
20	QPSK	50	0	21.13	21.18	21.08	22.2	0.0
20	QPSK	50	28	21.06	21.15	21.11	22.2	0.0
20	QPSK	50	56	21.10	21.14	21.07	22.2	0.0
20	QPSK	100	0	21.11	21.17	21.17	22.2	0.0
20	16QAM	1	1	20.70	20.80	20.73	22.2	0.0
20	64QAM	1	1	20.74	20.85	20.73	22.2	0.0
20	256QAM	1	1	19.53	19.53	19.46	20.7	1.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5	25.2	
15	Pl/2 BPSK	1	1	20.86	20.96	20.84	22.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	660.5	663	25.2	
10	Pl/2 BPSK	1	1	20.85	20.95	20.88	22.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5	limit (dBm)	
5	Pl/2 BPSK	1	1	20.90	20.93	20.87	22.2	0.0

n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				505002	518598	530000			
Channel				2546.01	2592.99	2640			
Frequency (MHz)									
100	Pl2 BPSK	1	1	18.38	18.42	18.28			
100	Pl2 BPSK	1	137	19.15	19.18	18.96	20.2		0.0
100	Pl2 BPSK	1	231	18.23	18.29	18.22			
100	Pl2 BPSK	135	0	18.92	19.03	18.87	20.2		0.0
100	Pl2 BPSK	135	69	19.12	19.15	18.98	20.2		0.0
100	Pl2 BPSK	135	138	18.89	19.01	18.78			
100	Pl2 BPSK	270	0	18.91	18.96	18.86	20.2		0.0
100	QPSK	1	1	18.37	18.42	18.25			
100	QPSK	1	137	18.96	19.11	18.77	20.2		0.0
100	QPSK	1	271	18.23	18.32	18.21			
100	QPSK	135	0	19.05	18.85	18.85			
100	QPSK	135	69	19.11	19.06	18.83	20.2		0.0
100	QPSK	135	138	19.03	18.67	18.89			
100	QPSK	270	0	19.01	18.75	18.90			0.5
100	16QAM	1	1	18.23	18.02	18.01	19.2		1.0
100	64QAM	1	1	18.16	18.12	18.08	19.2		1.0
100	256QAM	1	1	18.15	18.05	18.00	18.7		1.5
Channel				505200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pl2 BPSK	1	1	18.46	18.55	18.23	20.2		0.0
Channel				532204	518598	529998	limit (dB)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pl2 BPSK	1	1	18.50	18.36	18.31	20.2		0.0
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	Pl2 BPSK	1	1	18.52	18.51	18.31	20.2		0.0
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pl2 BPSK	1	1	18.52	18.66	18.42	20.2		0.0
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pl2 BPSK	1	1	18.52	18.48	18.50	20.2		0.0
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	Pl2 BPSK	1	1	18.58	18.50	18.51	20.2		0.0
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pl2 BPSK	1	1	18.61	18.49	18.40	20.2		0.0
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pl2 BPSK	1	1	18.59	18.47	18.52	20.2		0.0

n41_Ant 4(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up power (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				505002	518598	530000			
Channel				2546.01	2592.99	2640			
Frequency (MHz)									
100	PV2 BPSK	1	1	21.33	21.38	21.31			
100	PV2 BPSK	1	137	22.03	22.30	21.41	23.2	0.0	
100	PV2 BPSK	1	231	21.98	22.31	21.23			
100	PV2 BPSK	135	0	21.98	22.09	21.96	22.7	0.5	
100	PV2 BPSK	135	69	22.01	22.16	21.51	23.2	0.0	
100	PV2 BPSK	135	138	21.96	21.89	21.50			
100	PV2 BPSK	270	0	22.03	22.09	22.01	22.7	0.5	
100	QPSK	1	1	21.46	21.51	21.41			
100	QPSK	1	137	21.94	22.16	21.26	23.2	0.0	
100	QPSK	1	271	21.42	22.20	21.21			
100	QPSK	135	0	21.61	21.88	21.55			
100	QPSK	135	69	22.11	22.14	21.58	23.2	0.0	
100	QPSK	135	138	21.69	21.36	21.35			
100	QPSK	270	0	20.94	21.31	21.42	22.2	1.0	
100	16QAM	1	1	20.86	20.61	20.55	22.2	1.0	
100	64QAM	1	1	19.17	19.19	19.16	20.7	2.5	
100	256QAM	1	1	18.12	18.14	18.04	18.7	4.5	
Channel				508200	518598	528998	tune up limit (dBm)	MPR (dB)	
				2541	2592.99	2644.98			
90	PV2 BPSK	1	1	21.38	21.46	21.36	23.2	0.0	
Channel				532204	518598	529998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PV2 BPSK	1	1	21.42	21.37	21.42	23.2	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PV2 BPSK	1	1	21.29	21.44	21.44	23.2	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PV2 BPSK	1	1	21.46	21.64	21.50	23.2	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PV2 BPSK	1	1	21.46	21.66	21.45	23.2	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PV2 BPSK	1	1	21.53	21.52	21.46	23.2	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PV2 BPSK	1	1	21.54	21.67	21.59	23.2	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PV2 BPSK	1	1	21.49	21.62	21.53	23.2	0.0	

n77(Part 27Q)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		10.11		11.7	0.0	
100	PI/2 BPSK	1	137		10.85				
100	PI/2 BPSK	1	271		10.19				
100	PI/2 BPSK	135	0		10.87		11.7	0.0	
100	PI/2 BPSK	135	69		10.80		11.7	0.0	
100	PI/2 BPSK	135	138		10.58		11.7	0.0	
100	PI/2 BPSK	270	0		10.70				
100	QPSK	1	1		10.03		11.7	0.0	
100	QPSK	1	137		10.75				
100	QPSK	1	271		10.16				
100	QPSK	135	0		10.81		11.7	0.0	
100	QPSK	135	69		10.68				
100	QPSK	135	138		10.55				
100	QPSK	270	0		10.71		11.7	0.0	
100	16QAM	1	1		10.08		11.7	0.0	
100	64QAM	1	1		9.82		11.7	0.0	
100	256QAM	1	1		10.18		11.7	0.0	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	10.07	10.06	10.05	11.7	0.0	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1	10.02	10.06	10.05	11.7	0.0	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.99			
70	PI/2 BPSK	1	1	10.08	10.05	10.05	11.7	0.0	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	10.07	10.05	10.05	11.7	0.0	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	10.07	10.07	10.06	11.7	0.0	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.99			
40	PI/2 BPSK	1	1	10.07	10.08	10.05	11.7	0.0	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	10.06	10.09	10.06	11.7	0.0	
Channel				630334	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI/2 BPSK	1	1	10.07	10.08	10.06	11.7	0.0	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	10.04	10.10	10.06	11.7	0.0	
Channel				630500	633334	636168	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI/2 BPSK	1	1	10.03	10.05	10.03	11.7	0.0	
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI/2 BPSK	1	1	10.02	10.06	10.04	11.7	0.0	

n77(Part 27Q)_Ant 6(HPUe)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up (dbm)	MPR (db)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		13.08		14.7	0.0	
100	PI/2 BPSK	1	137		13.82				
100	PI/2 BPSK	1	271		13.20				
100	PI/2 BPSK	135	0		13.83		14.7	0.0	
100	PI/2 BPSK	135	69		13.76		14.7	0.0	
100	PI/2 BPSK	135	138		13.57		14.7	0.0	
100	PI/2 BPSK	270	0		13.68				
100	QPSK	1	1		13.04		14.7	0.0	
100	QPSK	1	137		13.71				
100	QPSK	1	271		13.15				
100	QPSK	135	0		13.57		14.7	0.0	
100	QPSK	135	69		13.71				
100	QPSK	135	138		13.52				
100	QPSK	270	0		13.70		14.7	0.0	
100	16QAM	1	1		13.09		14.7	0.0	
100	64QAM	1	1		12.82		14.7	0.0	
100	256QAM	1	1		13.20		14.7	0.0	
Channel				633000	633334	633668	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	13.01	13.03	13.00	14.7	0.0	
Channel				632668	633334	634000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1	13.00	13.05	13.03	14.7	0.0	
Channel				632334	633334	634332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1	13.01	13.02	13.02	14.7	0.0	
Channel				632000	633334	634668	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	13.06	13.02	13.02	14.7	0.0	
Channel				631668	633334	635000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	13.04	13.06	13.03	14.7	0.0	
Channel				631334	633334	635332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	13.05	13.04	13.05	14.7	0.0	
Channel				631000	633334	635668	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	13.02	13.03	12.99	14.7	0.0	
Channel				630334	633334	636000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI/2 BPSK	1	1	12.98	13.02	13.01	14.7	0.0	
Channel				630668	633334	636000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	13.02	13.07	13.01	14.7	0.0	
Channel				630500	633334	636168	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI/2 BPSK	1	1	13.01	13.01	12.99	14.7	0.0	
Channel				630334	633334	636332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI/2 BPSK	1	1	13.03	13.01	13.05	14.7	0.0	

n77(Part 270)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				650000	650000	650000			
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI/2 BPSK	1	1	10.19	10.32	10.18	11.7	0.0	
100	PI/2 BPSK	1	137	10.89	11.00	10.92			
100	PI/2 BPSK	1	271	10.23	10.30	10.27			
100	PI/2 BPSK	135	0	10.78	10.84	10.76	11.7	0.0	
100	PI/2 BPSK	135	69	10.93	10.97	10.93	11.7	0.0	
100	PI/2 BPSK	135	138	10.75	10.76	10.68	11.7	0.0	
100	PI/2 BPSK	270	0	10.75	10.79	10.75			
100	QPSK	1	1	10.12	10.18	10.15			
100	QPSK	1	137	10.84	10.92	10.85	11.7	0.0	
100	QPSK	1	271	10.15	10.23	10.16			
100	QPSK	135	0	10.73	10.80	10.69			
100	QPSK	135	69	10.89	10.92	10.77	11.7	0.0	
100	QPSK	135	138	10.67	10.74	10.74			
100	QPSK	270	0	10.72	10.80	10.72			
100	16QAM	1	1	10.01	10.18	10.06	11.7	0.0	
100	64QAM	1	1	9.84	9.93	9.80	11.7	0.0	
100	256QAM	1	1	10.23	10.25	10.21	11.7	0.0	
Channel				649668	650000	662332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	PI/2 BPSK	1	1	10.18	10.28	10.14	11.7	0.0	
Channel				645334	650000	642666	limit (dB)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	PI/2 BPSK	1	1	10.15	10.31	10.13	11.7	0.0	
Channel				649000	650000	663000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	PI/2 BPSK	1	1	10.18	10.29	10.16	11.7	0.0	
Channel				648668	650000	663332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1	10.14	10.29	10.17	11.7	0.0	
Channel				645334	650000	643666	limit (dB)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	PI/2 BPSK	1	1	10.18	10.30	10.16	11.7	0.0	
Channel				648000	650000	664000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	PI/2 BPSK	1	1	10.15	10.29	10.16	11.7	0.0	
Channel				647668	650000	664332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3954.98			
30	PI/2 BPSK	1	1	10.18	10.28	10.17	11.7	0.0	
Channel				645330	650000	644500	limit (dB)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	PI/2 BPSK	1	1	10.14	10.27	10.16	11.7	0.0	
Channel				647334	650000	664666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	PI/2 BPSK	1	1	10.14	10.27	10.16	11.7	0.0	
Channel				647168	650000	664832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48			
15	PI/2 BPSK	1	1	10.18	10.28	10.13	11.7	0.0	
Channel				647000	650000	663000	limit (dB)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	PI/2 BPSK	1	1	10.16	10.27	10.14	11.7	0.0	

n77(Part 270)_Ant 6(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				650000	650000	662000			
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI/2 BPSK	1	1	13.27	13.30	13.21	14.7	0.0	
100	PI/2 BPSK	1	137	13.90	13.99	13.89			
100	PI/2 BPSK	1	271	13.17	13.25	13.23			
100	PI/2 BPSK	135	0	13.76	13.87	13.79	14.7	0.0	
100	PI/2 BPSK	135	69	13.89	13.95	13.92	14.7	0.0	
100	PI/2 BPSK	135	138	13.76	13.85	13.71	14.7	0.0	
100	PI/2 BPSK	270	0	13.75	13.78	13.76			
100	QPSK	1	1	13.19	13.17	13.10			
100	QPSK	1	137	13.85	13.92	13.80	14.7	0.0	
100	QPSK	1	271	13.23	13.30	13.20			
100	QPSK	135	0	13.75	13.75	13.71			
100	QPSK	135	69	13.89	13.92	13.87	14.7	0.0	
100	QPSK	135	138	13.73	13.72	13.73			
100	QPSK	270	0	13.73	13.86	13.71			
100	16QAM	1	1	13.05	13.10	13.03	14.7	0.0	
100	64QAM	1	1	12.83	12.86	12.76	14.7	0.0	
100	256QAM	1	1	13.23	13.23	13.19	14.7	0.0	
Channel				649668	650000	662332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	PI/2 BPSK	1	1	13.22	13.27	13.20	14.7	0.0	
Channel				649334	650000	662666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	PI/2 BPSK	1	1	13.24	13.27	13.17	14.7	0.0	
Channel				649000	650000	663000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	PI/2 BPSK	1	1	13.24	13.28	13.17	14.7	0.0	
Channel				648668	650000	663332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1	13.25	13.25	13.17	14.7	0.0	
Channel				648334	650000	663666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	PI/2 BPSK	1	1	13.25	13.27	13.19	14.7	0.0	
Channel				648000	650000	664000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	PI/2 BPSK	1	1	13.23	13.27	13.20	14.7	0.0	
Channel				647668	650000	664332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3954.98			
30	PI/2 BPSK	1	1	13.24	13.26	13.19	14.7	0.0	
Channel				647330	650000	664500	limit (dB)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	PI/2 BPSK	1	1	13.26	13.26	13.17	14.7	0.0	
Channel				647334	650000	664666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99			
20	PI/2 BPSK	1	1	13.24	13.25	13.17	14.7	0.0	
Channel				647168	650000	664832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48			
15	PI/2 BPSK	1	1	13.24	13.25	13.16	14.7	0.0	
Channel				647000	650000	665000	limit (dB)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	PI/2 BPSK	1	1	13.22	13.25	13.18	14.7	0.0	



Conducted Power for DSI 18

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1890	1890	1900			
20	Pl2 BPSK	1	1	20.98	21.08	21.00	22.2	0.0	
20	Pl2 BPSK	1	53	21.12	21.18	21.13			
20	Pl2 BPSK	1	104	20.98	21.02	20.99	22.2	0.0	
20	Pl2 BPSK	50	0	21.04	21.12	21.04			
20	Pl2 BPSK	50	28	21.07	21.16	21.12	22.2	0.0	
20	Pl2 BPSK	50	56	21.06	21.11	21.08	22.2	0.0	
20	Pl2 BPSK	100	0	21.08	21.17	21.14	22.2	0.0	
20	QPSK	1	1	20.98	21.01	20.95			
20	QPSK	1	53	21.08	21.15	21.06	22.2	0.0	
20	QPSK	1	104	20.98	21.05	21.02			
20	QPSK	50	0	21.03	21.11	21.01	22.2	0.0	
20	QPSK	50	28	21.08	21.16	21.08	22.2	0.0	
20	QPSK	50	56	21.04	21.12	21.08	22.2	0.0	
20	QPSK	100	0	21.09	21.16	21.09	22.2	0.0	
20	16QAM	1	1	20.68	20.75	20.69			
20	64QAM	1	1	20.77	20.81	20.71	22.2	0.0	
20	256QAM	1	1	19.83	19.93	19.90	20.2	2.0	
Channel				371500	376000	380500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1897.5	1890	1902.5			
15	Pl2 BPSK	1	1	20.89	21.03	20.93	22.2	0.0	
Channel				371000	376000	381000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1897.5	1890	1902.5			
10	Pl2 BPSK	1	1	20.92	21.04	20.91	22.2	0.0	
Channel				370500	376000	381500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1892.5	1890	1907.5			
5	Pl2 BPSK	1	1	20.95	21.02	20.93	22.2	0.0	

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				Channel					
				Frequency (MHz)					
20	Pl2 BPSK	1	1	20.53	20.56	20.51	21.7	0.0	
20	Pl2 BPSK	1	53	20.58	20.69	20.60			
20	Pl2 BPSK	1	104	20.54	20.56	20.47	21.7	0.0	
20	Pl2 BPSK	50	0	20.46	20.52	20.51			
20	Pl2 BPSK	50	28	20.57	20.67	20.58	21.7	0.0	
20	Pl2 BPSK	50	56	20.60	20.66	20.52	21.7	0.0	
20	Pl2 BPSK	100	0	20.61	20.65	20.63			
20	QPSK	1	1	20.46	20.48	20.45	21.7	0.0	
20	QPSK	1	53	20.64	20.61	20.51			
20	QPSK	1	104	20.46	20.52	20.48	21.7	0.0	
20	QPSK	50	0	20.50	20.57	20.58			
20	QPSK	50	28	20.64	20.65	20.54	21.7	0.0	
20	QPSK	50	56	20.52	20.64	20.55	21.7	0.0	
20	QPSK	100	0	20.56	20.63	20.55			
20	16QAM	1	1	20.13	20.19	20.16	21.7	0.0	
20	64QAM	1	1	20.17	20.24	20.16	21.7	0.0	
20	256QAM	1	1	19.83	19.85	19.81	20.2	1.5	
Channel				371500	376000	380500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1897.5	1890	1902.5			
15	Pl2 BPSK	1	1	20.43	20.52	20.44	21.7	0.0	
Channel				371000	376000	381000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1897.5	1890	1902.5			
10	Pl2 BPSK	1	1	20.45	20.53	20.45	21.7	0.0	
Channel				370500	376000	381500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1892.5	1890	1907.5			
5	Pl2 BPSK	1	1	20.49	20.50	20.41	21.7	0.0	

n2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376000	380000			
Frequency (MHz)				1890	1890	1900			
20	Pl2 BPSK	1	1	21.38	21.41	21.25	22.7	0.0	
20	Pl2 BPSK	1	53	21.47	21.54	21.44			
20	Pl2 BPSK	1	104	21.43	21.42	21.22	22.2	0.0	
20	Pl2 BPSK	50	0	21.46	21.46	21.38			
20	Pl2 BPSK	50	28	21.51	21.52	21.42	22.7	0.0	
20	Pl2 BPSK	50	56	21.46	21.47	21.38	22.2	0.0	
20	Pl2 BPSK	100	0	21.46	21.51	21.45			
20	QPSK	1	1	21.41	21.46	21.28	22.7	0.0	
20	QPSK	1	53	21.46	21.50	21.38			
20	QPSK	1	104	21.42	21.36	21.25	21.7	1.0	
S	QPSK	50	0	21.47	21.43	21.42			
20	QPSK	50	28	21.51	21.52	21.41	22.7	0.0	
20	QPSK	50	56	21.49	21.53	21.38	21.7	1.0	
20	QPSK	100	0	21.51	21.51	21.42			
20	16QAM	1	1	21.11	21.17	21.03	21.7	1.0	
20	64QAM	1	1	19.69	19.71	19.58	20.2	2.5	
20	256QAM	1	1	18.18	18.19	18.08	18.2	4.5	
Channel				371500	376000	380500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1897.5	1890	1902.5			
15	Pl2 BPSK	1	1	21.42	21.48	21.44	22.7	0.0	
Channel				371000	376000	381000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1897.5	1890	1902.5			
10	Pl2 BPSK	1	1	21.16	21.24	21.18	22.7	0.0	
Channel				370500	376000	381500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1892.5	1890	1907.5			
5	Pl2 BPSK	1	1	21.46	21.47	21.41	22.7	0.0	

n25_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	P12 BPSK	1	1	20.93	21.01	20.91	22.2	0.0	
40	P12 BPSK	1	108	21.50	21.54	21.47			
40	P12 BPSK	1	214	20.90	20.96	20.87			
40	P12 BPSK	108	0	21.36	21.46	21.39	22.2	0.0	
40	P12 BPSK	108	54	21.48	21.53	21.43	22.2	0.0	
40	P12 BPSK	108	108	21.31	21.41	21.32	22.2	0.0	
40	P12 BPSK	216	0	21.39	21.43	21.39	22.2	0.0	
40	QPSK	1	1	20.90	20.99	20.96			
40	QPSK	1	108	21.46	21.52	21.46			
40	QPSK	1	214	20.85	20.93	20.88	22.2	0.0	
40	QPSK	108	0	21.42	21.47	21.43	22.2	0.0	
40	QPSK	108	54	21.49	21.52	21.43	22.2	0.0	
40	QPSK	108	108	21.37	21.43	21.38	22.2	0.0	
40	QPSK	216	0	21.36	21.39	21.33	22.2	0.0	
40	16QAM	1	1	20.85	20.74	20.70	22.2	0.0	
40	64QAM	1	1	20.71	20.80	20.75	22.2	0.0	
40	256QAM	1	1	19.34	19.44	19.36	20.2	2.0	
Channel				373000	376500	380000	limit	MPR	
Frequency (MHz)				1865	1882.5	1900			
30	P12 BPSK	1	1	20.83	20.96	20.88	22.2	0.0	
Channel				372500	376500	380500	tune-up limit	MPR	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	P12 BPSK	1	1	20.87	20.99	20.84	22.2	0.0	
Channel				372000	376500	381000	tune-up limit	MPR	
Frequency (MHz)				1860 <th>1882.5</th> <th>1905</th> <th></th> <th></th> <th></th>	1882.5	1905			
20	P12 BPSK	1	1	20.87	20.97	20.85	22.2	0.0	
Channel				371500	376500	381500	tune-up limit	MPR	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	P12 BPSK	1	1	20.84	20.97	20.82	22.2	0.0	
Channel				371000	376500	382000	tune-up limit	MPR	
Frequency (MHz)				1855 <th>1882.5</th> <th>1910</th> <th></th> <th></th> <th></th>	1882.5	1910			
10	P12 BPSK	1	1	20.84	20.96	20.88	22.2	0.0	
Channel				370500	376500	382500	tune-up limit	MPR	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	P12 BPSK	1	1	20.83	20.96	20.83	22.2	0.0	

0.38

n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	P12 BPSK	1	1	20.46	20.49	20.52	21.7	0.0	
40	P12 BPSK	1	108	20.97	21.04	20.95			
40	P12 BPSK	1	214	20.36	20.50	20.42			
40	P12 BPSK	108	0	20.95	20.88	20.90	21.7	0.0	
40	P12 BPSK	108	54	20.90	21.00	20.95	21.7	0.0	
40	P12 BPSK	108	108	20.80	20.91	20.83	21.7	0.0	
40	P12 BPSK	216	0	20.87	20.90	20.86	21.7	0.0	
40	QPSK	1	1	20.45	20.50	20.44			
40	QPSK	1	108	20.84	21.02	20.96			
40	QPSK	1	214	20.32	20.51	20.37	21.7	0.0	
40	QPSK	108	0	20.85	20.87	20.85	21.7	0.0	
40	QPSK	108	54	20.81	20.93	20.96	21.7	0.0	
40	QPSK	108	108	20.81	20.88	20.75	21.7	0.0	
40	QPSK	216	0	20.86	20.87	20.85	21.7	0.0	
40	16QAM	1	1	20.20	20.26	20.28	21.7	0.0	
40	64QAM	1	1	20.27	20.31	20.29	21.7	0.0	
40	256QAM	1	1	19.14	19.25	19.29	20.2	1.5	
Channel				373000	376500	380000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	P12 BPSK	1	1	20.39	20.43	20.49	21.7	0.0	
Channel				372500	376500	380500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1892.5	1882.5	1902.5			
25	P12 BPSK	1	1	20.38	20.45	20.46	21.7	0.0	
Channel				372000	376500	381000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1862.5	1905			
20	P12 BPSK	1	1	20.44	20.47	20.46	21.7	0.0	
Channel				371500	376500	381500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	P12 BPSK	1	1	20.45	20.43	20.45	21.7	0.0	
Channel				371000	376500	382000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850	1882.5	1910			
10	P12 BPSK	1	1	20.38	20.43	20.48	21.7	0.0	
Channel				370500	376500	382500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	P12 BPSK	1	1	20.40	20.47	20.46	21.7	0.0	

n25_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low	Power Middle	Power High			
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.			
				374000	376500	379000			
Channel				1870	1882.5	1895			
Frequency (MHz)				1870	1882.5	1895			
40	P12 BPSK	1	1	21.31	21.38	21.38	22.7	0.0	
40	P12 BPSK	1	108	21.86	21.89	21.88			
40	P12 BPSK	1	214	21.29	21.31	21.35			
40	P12 BPSK	108	0	21.81	21.82	21.85	22.2	0.5	
40	P12 BPSK	108	54	21.85	21.88	21.87	22.7	0.0	
40	P12 BPSK	108	108	21.82	21.72	21.71	22.2	0.5	
40	P12 BPSK	216	0	21.76	21.79	21.75	22.7	0.0	
40	QPSK	1	1	21.28	21.34	21.32			
40	QPSK	1	108	21.84	21.88	21.87			
40	QPSK	1	214	21.35	21.33	21.31	21.7	1.0	
40	QPSK	108	0	21.28	21.30	21.28	21.7	1.0	
40	QPSK	108	54	21.83	21.87	21.86	22.7	0.0	
40	QPSK	108	108	21.28	21.24	21.22	21.7	1.0	
40	QPSK	216	0	21.30	21.25	21.22	21.7	1.0	
40	16QAM	1	1	20.57	20.61	20.60	21.7	1.0	
40	64QAM	1	1	19.13	19.19	19.17	20.2	2.5	
40	256QAM	1	1	17.71	17.79	17.78	18.2	4.5	
Channel				373000	376500	380000	limit	MPR	
Frequency (MHz)				1865	1882.5	1900			
30	P12 BPSK	1	1	21.53	21.55	21.49	22.7	0.0	
Channel				372500	376500	380500	tune-up limit	MPR	
Frequency (MHz)				1892.5	1882.5	1902.5			
25	P12 BPSK	1	1	21.69	21.74	21.72	22.7	0.0	
Channel				372000	376500	381000	tune-up limit	MPR	
Frequency (MHz)				1860	1862.5	1905			
20	P12 BPSK	1	1	21.78	21.85	21.80	22.7	0.0	
Channel				371500	376500	381500	limit	MPR	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	P12 BPSK	1	1	21.79	21.86	21.80	22.7	0.0	
Channel				371000	376500	382000	tune-up limit	MPR	
Frequency (MHz)				1850	1882.5	1910			
10	P12 BPSK	1	1	21.75	21.81	21.76	22.7	0.0	
Channel				370500	376500	382500	tune-up limit	MPR	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	P12 BPSK	1	1	21.81	21.86	21.82	22.7	0.0	

n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	349000	352000			
Channel				1725	1745	1765			
Frequency (MHz)				1725	1745	1765			
40	Pl2 BPSK	1	1	20.79	20.86	20.78	22.2	0.0	
40	Pl2 BPSK	1	108	21.44	21.50	21.43			
40	Pl2 BPSK	1	214	20.81	20.86	20.78			
40	Pl2 BPSK	108	0	21.27	21.33	21.24	22.2	0.0	
40	Pl2 BPSK	108	54	21.44	21.48	21.45	22.2	0.0	
40	Pl2 BPSK	108	108	21.11	21.18	21.10	22.2	0.0	
40	Pl2 BPSK	216	0	21.17	21.22	21.12	22.2	0.0	
40	QPSK	1	1	20.76	20.83	20.79			
40	QPSK	1	108	21.41	21.44	21.34			
40	QPSK	1	214	20.84	20.82	20.84	22.2	0.0	
40	QPSK	108	0	21.26	21.35	21.26	22.2	0.0	
40	QPSK	108	54	21.39	21.49	21.43	22.2	0.0	
40	QPSK	108	108	21.14	21.24	21.19	22.2	0.0	
40	QPSK	216	0	21.22	21.31	21.28	22.2	0.0	
40	16QAM	1	1	20.64	20.72	20.62			
40	64QAM	1	1	20.68	20.77	20.70			
40	256QAM	1	1	19.29	19.33	19.30	20.2	2.0	
Channel				345000	349000	353000	1725	1745	1765
Frequency (MHz)				345000	349000	353000	1725	1745	1765
30	Pl2 BPSK	1	1	20.72	20.83	20.73	22.2	0.0	
Channel				344500	349000	353500	1722.5	1745	1767.5
Frequency (MHz)				344500	349000	353500	1722.5	1745	1767.5
25	Pl2 BPSK	1	1	20.74	20.85	20.74	22.2	0.0	
Channel				344000	349000	354000	1720	1745	1770
Frequency (MHz)				344000	349000	354000	1720	1745	1770
20	Pl2 BPSK	1	1	20.76	20.84	20.75	22.2	0.0	
Channel				343500	349000	354500	1717.5	1745	1772.5
Frequency (MHz)				343500	349000	354500	1717.5	1745	1772.5
15	Pl2 BPSK	1	1	20.72	20.85	20.72	22.2	0.0	
Channel				343000	349000	355000	1715	1745	1775
Frequency (MHz)				343000	349000	355000	1715	1745	1775
10	Pl2 BPSK	1	1	20.75	20.84	20.69	22.2	0.0	
Channel				342500	349000	355500	1712.5	1745	1777.5
Frequency (MHz)				342500	349000	355500	1712.5	1745	1777.5
5	Pl2 BPSK	1	1	20.76	20.84	20.71	22.2	0.0	

0.3

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				345000	349000	352000			
Channel				1745	1765	1785			
Frequency (MHz)				1745	1765	1785			
40	PV2 BPSK	1	1	20.78	20.85	20.76	22.2	0.0	
40	PV2 BPSK	1	108	21.36	21.40	21.31			
40	PV2 BPSK	1	214	20.75	20.83	20.68			
40	PV2 BPSK	108	0	21.00	21.15	21.06	22.2	0.0	
40	PV2 BPSK	108	54	21.23	21.38	21.23	22.2	0.0	
40	PV2 BPSK	108	108	21.00	20.99	21.01	22.2	0.0	
40	PV2 BPSK	216	0	20.99	21.03	20.93	22.2	0.0	
40	QPSK	1	1	20.82	20.78	20.78			
40	QPSK	1	108	21.26	21.30	21.16			
40	QPSK	1	214	20.66	20.82	20.76	22.2	0.0	
40	QPSK	108	0	21.06	21.13	21.05	22.2	0.0	
40	QPSK	108	54	21.19	21.26	21.25	22.2	0.0	
40	QPSK	108	108	20.93	21.10	21.00	22.2	0.0	
40	QPSK	216	0	20.97	21.02	21.01	22.2	0.0	
40	16QAM	1	1	20.54	20.64	20.61			
40	64QAM	1	1	20.62	20.67	20.53			
40	256QAM	1	1	19.16	19.15	19.08	19.7	2.5	
Channel				345000	349000	353000	1725	1745	1765
Frequency (MHz)				345000	349000	353000	1725	1745	1765
30	PV2 BPSK	1	1	20.71	20.82	20.68	22.2	0.0	
Channel				344500	349000	353500	tune-up limit (dBm)	1725	1765
Frequency (MHz)				344500	349000	353500	tune-up limit (dBm)	1725	1765
25	PV2 BPSK	1	1	20.70	20.80	20.74	22.2	0.0	
Channel				344000	349000	354000	tune-up limit (dBm)	1720	1770
Frequency (MHz)				344000	349000	354000	tune-up limit (dBm)	1720	1770
20	PV2 BPSK	1	1	20.69	20.83	20.75	22.2	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	1717.5	1772.5
Frequency (MHz)				343500	349000	354500	tune-up limit (dBm)	1717.5	1772.5
15	PV2 BPSK	1	1	20.71	20.82	20.70	22.2	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	1715	1775
Frequency (MHz)				343000	349000	355000	tune-up limit (dBm)	1715	1775
10	PV2 BPSK	1	1	20.74	20.81	20.75	22.2	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	1712.5	1777.5
Frequency (MHz)				342500	349000	355500	tune-up limit (dBm)	1712.5	1777.5
5	PV2 BPSK	1	1	20.72	20.83	20.69	22.2	0.0	

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				69.5	660.5	668		
Frequency (MHz)				69.5	660.5	668		
20	Pl/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0
20	Pl/2 BPSK	1	53	24.10	24.21	24.15		
20	Pl/2 BPSK	1	104	23.98	24.15	24.02		
20	Pl/2 BPSK	50	0	23.51	23.66	23.68	24.7	0.5
20	Pl/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0
20	Pl/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5
20	Pl/2 BPSK	100	0	23.53	23.76	23.67		
20	QPSK	1	1	23.91	24.08	23.95		
20	QPSK	1	53	24.05	24.16	24.14	25.2	0.0
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.88	23.15	23.16	24.2	1.0
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.18		
20	16QAM	1	1	22.69	22.82	22.72	24.2	1.0
20	64QAM	1	1	21.23	21.42	21.26	22.7	2.5
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	660.5	665.5	134100 limit (dBm)	MPR (dB)
15	Pl/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	660.5	663	133600 limit (dBm)	MPR (dB)
10	Pl/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5	133100 limit (dBm)	MPR (dB)
5	Pl/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0

n71_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up Power (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				660.5	673			
Frequency (MHz)								
20	Pl/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0
20	Pl/2 BPSK	1	53	24.14	24.19	24.16		
20	Pl/2 BPSK	1	104	23.99	24.08	24.02		
20	Pl/2 BPSK	50	0	23.58	23.68	23.67	24.7	0.5
20	Pl/2 BPSK	50	28	24.13	24.16	24.15	25.2	0.0
20	Pl/2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5
20	Pl/2 BPSK	100	0	23.61	23.77	23.70		
20	QPSK	1	1	23.99	24.07	24.01		
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0
20	QPSK	1	104	23.97	24.02	23.95		
20	QPSK	50	0	23.08	23.14	23.16	24.2	1.0
20	QPSK	50	28	24.12	24.16	24.14	25.2	0.0
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0
20	QPSK	100	0	23.06	23.25	23.18		
20	16QAM	1	1	22.74	22.86	22.75	24.2	1.0
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	683.5	690.5		
15	Pl/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	660.5	663		
10	Pl/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5		
5	Pl/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0

n41_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				506202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	20.86	21.00	20.98			
100	Pi2 BPSK	1	137	21.62	21.70	21.58	22.4	0.0	
100	Pi2 BPSK	1	271	20.91	20.98	20.96			
100	Pi2 BPSK	135	0	21.39	21.40	21.40	22.4	0.0	
100	Pi2 BPSK	135	69	21.54	21.67	21.56	22.4	0.0	
100	Pi2 BPSK	135	138	21.26	21.37	21.23	22.4	0.0	
100	Pi2 BPSK	270	0	21.39	21.46	21.38	22.4	0.0	
100	QPSK	1	1	20.94	20.94	20.85			
100	QPSK	1	137	21.51	21.63	21.58	22.4	0.0	
100	QPSK	1	271	20.92	21.00	20.92			
100	QPSK	135	0	21.26	21.41	21.35			
100	QPSK	135	69	21.50	21.58	21.48	22.4	0.0	
100	QPSK	135	138	21.15	21.25	21.24			
100	QPSK	270	0	21.33	21.43	21.38	22.4	0.0	
100	16QAM	1	1	21.37	21.45	21.46	22.4	0.0	
100	64QAM	1	1	21.46	21.48	21.47	22.4	0.0	
100	256QAM	1	1	20.91	20.93	20.95	21.9	3.5	
Channel				508200	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pi2 BPSK	1	1	20.84	20.96	20.97	22.4	0.0	
Channel				507204	518598	529998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pi2 BPSK	1	1	20.83	20.98	20.95	22.4	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	Pi2 BPSK	1	1	20.83	20.99	20.93	22.4	0.0	
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pi2 BPSK	1	1	20.85	20.98	20.93	22.4	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pi2 BPSK	1	1	20.82	20.95	20.97	22.4	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2516.01	2592.99	2670			
40	Pi2 BPSK	1	1	20.81	20.95	20.96	22.4	0.0	
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pi2 BPSK	1	1	20.82	20.97	20.96	22.4	0.0	
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pi2 BPSK	1	1	20.81	20.97	20.94	22.4	0.0	

n41_Ant 0(HPUE)										
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)		
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.				
				Channel						
				506202	518598	528000				
				Frequency (MHz)	2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	23.38	23.48	23.43				
100	Pi2 BPSK	1	137	24.22	24.28	24.19	25.4	0.0		
100	Pi2 BPSK	1	271	23.37	23.47	23.42				
100	Pi2 BPSK	135	0	23.98	24.02	23.96	25.4	0.0		
100	Pi2 BPSK	135	69	24.15	24.23	24.14	25.4	0.0		
100	Pi2 BPSK	135	138	23.90	23.93	23.86	25.4	0.0		
100	Pi2 BPSK	270	0	24.01	24.05	24.02				
100	QPSK	1	1	23.38	23.47	23.37				
100	QPSK	1	137	24.15	24.22	24.18	25.4	0.0		
100	QPSK	1	271	23.39	23.46	23.43				
100	QPSK	135	0	23.91	24.00	23.94				
100	QPSK	135	69	24.13	24.16	24.11	25.4	0.0		
100	QPSK	135	138	23.78	23.88	23.82				
100	QPSK	270	0	23.94	24.00	23.93	25.4	0.0		
100	16QAM	1	1	23.42	23.48	23.40	25.4	0.0		
100	64QAM	1	1	22.10	22.16	22.08	23.9	1.5		
100	256QAM	1	1	21.08	21.14	21.08	21.9	3.5		
Channel				508200	518598	528998				
Frequency (MHz)				2541	2592.99	2644.98				
90	Pi2 BPSK	1	1	23.34	23.44	23.42	25.4	0.0		
Channel				507204	518598	529998				
Frequency (MHz)				2536.02	2592.99	2649.99				
80	Pi2 BPSK	1	1	23.36	23.44	23.42	25.4	0.0		
Channel				506202	518598	531000				
Frequency (MHz)				2531.01	2592.99	2655				
70	Pi2 BPSK	1	1	23.38	23.45	23.38	25.4	0.0		
Channel				505200	518598	531998				
Frequency (MHz)				2526	2592.99	2659.98				
60	Pi2 BPSK	1	1	23.36	23.47	23.38	25.4	0.0		
Channel				504204	518598	532998				
Frequency (MHz)				2521.02	2592.99	2664.99				
50	Pi2 BPSK	1	1	23.37	23.46	23.38	25.4	0.0		
Channel				503202	518598	534000				
Frequency (MHz)				2516.01	2592.99	2670				
40	Pi2 BPSK	1	1	23.33	23.45	23.42	25.4	0.0		
Channel				502200	518598	534998				
Frequency (MHz)				2511	2592.99	2674.98				
30	Pi2 BPSK	1	1	23.33	23.47	23.40	25.4	0.0		
Channel				501204	518598	535998				
Frequency (MHz)				2506.02	2592.99	2679.99				
20	Pi2 BPSK	1	1	23.35	23.44	23.40	25.4	0.0		

n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				506202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	15.57	15.58	15.52			
100	Pi2 BPSK	1	137	16.13	16.16	16.10	16.9	0.0	
100	Pi2 BPSK	1	271	15.53	15.60	15.57			
100	Pi2 BPSK	135	0	15.94	15.97	16.01	16.9	0.0	
100	Pi2 BPSK	135	69	16.10	16.14	16.08	16.9	0.0	
100	Pi2 BPSK	135	138	15.85	15.96	15.78	16.9	0.0	
100	Pi2 BPSK	270	0	15.92	16.00	15.87			
100	QPSK	1	1	15.53	15.62	15.59			
100	QPSK	1	137	16.12	16.16	15.99	16.9	0.0	
100	QPSK	1	271	15.45	15.57	15.55			
100	QPSK	135	0	15.97	15.98	15.90			
100	QPSK	135	69	16.06	16.14	16.03	16.9	0.0	
100	QPSK	135	138	15.78	15.88	15.80			
100	QPSK	270	0	15.77	15.94	15.84	16.9	0.0	
100	16QAM	1	1	15.55	15.55	15.54	16.9	0.0	
100	64QAM	1	1	15.53	15.56	15.49	16.9	0.0	
100	256QAM	1	1	16.13	16.10	16.05	16.9	0.0	
Channel				508200	518598	529998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pi2 BPSK	1	1	15.53	15.54	15.50	16.9	0.0	
Channel				507204	518598	529998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pi2 BPSK	1	1	15.54	15.55	15.47	16.9	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	Pi2 BPSK	1	1	15.52	15.57	15.49	16.9	0.0	
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pi2 BPSK	1	1	15.52	15.56	15.47	16.9	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pi2 BPSK	1	1	15.55	15.53	15.48	16.9	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2516.01	2592.99	2670			
40	Pi2 BPSK	1	1	15.52	15.57	15.47	16.9	0.0	
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pi2 BPSK	1	1	15.55	15.55	15.51	16.9	0.0	
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pi2 BPSK	1	1	15.55	15.56	15.48	16.9	0.0	



n41_Ant 1(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dbm)			Turn-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				50202	51898	52800			
Frequency (MHz)				2546.01	2592.99	2640			
100	P22 BPSK	1	1	18.08	18.06	18.00	19.9		0.0
100	P22 BPSK	1	137	18.82	18.80	18.81			
100	P22 BPSK	1	271	17.99	18.10	17.88			
100	P22 BPSK	135	0	18.64	18.71	18.68			
100	P22 BPSK	135	69	18.80	18.81	18.79	19.9		0.0
100	P22 BPSK	135	138	18.54	18.68	18.43	19.9		0.0
100	P22 BPSK	270	0	18.96	18.70	18.55			
100	QPSK	1	1	17.94	18.12	18.04	19.9		0.0
100	QPSK	1	137	18.73	18.84	18.71			
100	QPSK	1	271	17.99	18.09	18.08			
100	QPSK	135	0	18.58	18.61	18.61			
100	QPSK	135	69	18.75	18.77	18.66	19.9		0.0
100	QPSK	135	138	18.56	18.56	18.50			
100	QPSK	270	0	18.55	18.61	18.55	19.9		0.0
100	16QAM	1	1	18.07	18.12	18.12	19.9		0.0
100	64QAM	1	1	18.00	18.12	18.02	19.9		0.0
100	256QAM	1	1	18.57	18.59	18.52	19.9		0.0
Channel				502020	518998	528996	turn-up limit (dbm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	P22 BPSK	1	1	18.07	18.02	17.99	19.9		0.0
Channel				502204	518998	529996	turn-up limit (dbm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	P22 BPSK	1	1	18.07	18.05	17.95	19.9		0.0
Channel				506202	518998	531000	turn-up limit (dbm)	MPR	
Frequency (MHz)				2531.01	2592.99	2645			
70	P22 BPSK	1	1	18.05	18.03	17.95	19.9		0.0
Channel				505200	518998	531996	turn-up limit (dbm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	P22 BPSK	1	1	18.07	18.02	17.87	19.9		0.0
Channel				504204	518998	532996	turn-up limit (dbm)	MPR	
Frequency (MHz)				2521.02	2592.99	2684.99			
50	P22 BPSK	1	1	18.05	18.01	17.96	19.9		0.0
Channel				503202	518998	534000	turn-up limit (dbm)	MPR	
Frequency (MHz)				2516.01	2592.99	2674.98			
40	P22 BPSK	1	1	18.03	18.02	17.98	19.9		0.0
Channel				502200	518998	534996	turn-up limit (dbm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	P22 BPSK	1	1	18.06	18.03	17.95	19.9		0.0
Channel				501204	518998	535996	turn-up limit (dbm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	P22 BPSK	1	1	18.06	18.05	17.95	19.9		0.0

n41_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				506202	518998	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	P22 BPSK	1	1	14.69	14.52	14.51	16.2	0.0	
100	P22 BPSK	1	137	15.12	15.33	14.62			
100	P22 BPSK	1	271	14.53	14.62	14.66			
100	P22 BPSK	135	0	15.02	15.11	15.00			
100	P22 BPSK	135	69	15.23	15.30	14.84	16.2	0.0	
100	P22 BPSK	135	138	15.11	15.28	15.06			
100	P22 BPSK	270	0	15.16	15.21	15.11	16.2	0.0	
100	QPSK	1	1	14.26	14.21	14.21			
100	QPSK	1	137	14.68	14.95	14.29			
100	QPSK	1	271	14.33	14.23	14.41			
100	QPSK	135	0	14.62	14.75	14.52	16.2	0.0	
100	QPSK	135	69	14.89	14.95	14.25			
100	QPSK	135	138	14.78	14.71	14.59	16.2	0.0	
100	QPSK	270	0	14.71	14.74	14.62			
100	16QAM	1	1	13.93	13.96	14.12	15.2	1.0	
100	64QAM	1	1	13.93	13.97	14.17	15.2	1.0	
100	256QAM	1	1	13.43	13.48	13.61	14.7	1.5	
Channel				508200	518998	528996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	P22 BPSK	1	1	14.44	14.47	14.27	16.2	0.0	
Channel				507204	518998	529998	turn-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	P22 BPSK	1	1	14.46	14.48	14.39	16.2	0.0	
Channel				506202	518998	531000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2645			
70	P22 BPSK	1	1	14.43	14.48	14.29	16.2	0.0	
Channel				505200	518998	531996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	P22 BPSK	1	1	14.61	14.71	14.36	16.2	0.0	
Channel				504204	518998	532998	turn-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2684.99			
50	P22 BPSK	1	1	14.60	14.57	14.35	16.2	0.0	
Channel				503202	518998	534000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2674.98			
40	P22 BPSK	1	1	14.61	14.67	14.53	16.2	0.0	
Channel				502200	518998	534996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	P22 BPSK	1	1	14.50	14.60	14.35	16.2	0.0	
Channel				501204	518998	535998	turn-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	P22 BPSK	1	1	14.57	14.74	14.44	16.2	0.0	

n41_Ant 3(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				506020	518988	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	P22 BPSK	1	1	17.30	17.36	17.53	19.2	0.0	
100	P22 BPSK	1	137	17.78	18.12	17.41			
100	P22 BPSK	1	271	17.29	17.33	17.51			
100	P22 BPSK	135	0	17.70	17.71	17.22			
100	P22 BPSK	135	69	17.52	18.02	17.41	19.2	0.0	
100	P22 BPSK	135	138	17.68	17.31	17.84			
100	P22 BPSK	270	0	17.59	17.68	17.58	19.2	0.0	
100	QPSK	1	1	17.21	17.23	17.41			
100	QPSK	1	137	17.39	18.11	17.41			
100	QPSK	1	271	17.25	17.29	17.43			
100	QPSK	135	0	17.24	17.28	17.71	19.2	0.0	
100	QPSK	135	69	17.57	17.82	17.41			
100	QPSK	135	138	17.34	17.28	17.72	19.2	1.0	
100	QPSK	270	0	17.23	17.31	17.42			
100	16QAM	1	1	18.20	18.22	18.57	18.2	1.0	
100	64QAM	1	1	14.79	14.83	15.16	16.7	2.5	
100	256QAM	1	1	13.78	13.82	14.11	14.7	4.5	
Channel				508200	518998	528996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	P22 BPSK	1	1	17.21	17.33	17.28	19.2	0.0	
Channel				507204	518998	529998	turn-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	P22 BPSK	1	1	17.25	17.29	17.23	19.2	0.0	
Channel				506202	518998	531000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2645			
70	P22 BPSK	1	1	17.23	17.29	17.21	19.2	0.0	
Channel				505200	518998	531996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	P22 BPSK	1	1	17.25	17.27	17.28	19.2	0.0	
Channel				504204	518998	532998	turn-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2684.99			
50	P22 BPSK	1	1	17.22	17.29	17.22	19.2	0.0	
Channel				503202	518998	534000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	P22 BPSK	1	1	17.20	17.27	17.26	19.2	0.0	
Channel				502200	518998	534996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	P22 BPSK	1	1	17.21	17.27	17.27	19.2	0.0	
Channel				501204	518998	535998	turn-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2670.99			
20	P22 BPSK	1	1	17.20	17.22	17.21	19.2	0.0	

n41_Ant 4									
Average Power (dBm)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505002	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	16.89	16.91	16.86			
100	PI/2 BPSK	1	137	17.77	17.76	17.41	18.7	0.0	
100	PI/2 BPSK	1	271	16.73	16.78	16.72			
100	PI/2 BPSK	135	0	17.41	17.44	17.43	18.7	0.0	
100	PI/2 BPSK	135	69	17.67	17.76	17.38	18.7	0.0	
100	PI/2 BPSK	135	138	17.25	17.29	17.22			
100	PI/2 BPSK	270	0	17.41	17.43	17.05	18.7	0.0	
100	QPSK	1	1	16.91	16.92	16.92			
100	QPSK	1	137	17.68	17.76	17.38	18.7	0.0	
100	QPSK	1	271	16.77	16.80	16.73			
100	QPSK	135	0	17.35	17.48	17.38			
100	QPSK	135	69	17.61	17.61	17.27	18.7	0.0	
100	QPSK	135	138	17.21	17.24	17.17			
100	QPSK	270	0	17.23	17.36	16.93	18.7	0.0	
100	16QAM	1	1	17.75	17.50	17.52	18.7	0.0	
100	64QAM	1	1	17.71	17.66	17.60	18.7	0.0	
100	256QAM	1	1	17.67	17.54	17.53	18.7	0.0	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	16.86	16.88	16.81	18.7	0.0	
Channel				507204	518598	529998	limit (dB)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	16.85	16.87	16.81	18.7	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PI/2 BPSK	1	1	16.87	16.87	16.83	18.7	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	16.88	16.88	16.85	18.7	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	16.86	16.86	16.81	18.7	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	16.85	16.90	16.85	18.7	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	16.84	16.86	16.84	18.7	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	16.88	16.87	16.81	18.7	0.0	

n41_Ant 4(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.			
Channel				506202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.87	19.95	19.82			
100	PI/2 BPSK	1	137	20.85	20.88	20.50	21.7	0.0	
100	PI/2 BPSK	1	271	19.75	19.78	19.71			
100	PI/2 BPSK	135	0	20.47	20.59	20.45	21.7	0.0	
100	PI/2 BPSK	135	69	20.71	20.87	20.48	21.7	0.0	
100	PI/2 BPSK	135	138	20.31	20.41	20.27			
100	PI/2 BPSK	270	0	20.52	20.61	20.20	21.7	0.0	
100	QPSK	1	1	19.88	19.91	19.83			
100	QPSK	1	137	20.80	20.82	20.50	21.7	0.0	
100	QPSK	1	271	19.69	19.76	19.73			
100	QPSK	135	0	20.50	20.56	20.47			
100	QPSK	135	69	20.73	20.72	20.38	21.7	0.0	
100	QPSK	135	138	20.21	20.38	20.33			
100	QPSK	270	0	20.34	20.42	20.08	21.7	0.0	
100	16QAM	1	1	19.75	19.87	19.85	21.7	0.0	
100	64QAM	1	1	19.12	19.22	19.16	21.2	0.5	
100	256QAM	1	1	18.07	18.11	18.00	18.7	3.0	
Channel				520200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	19.84	19.92	19.80	21.7	0.0	
Channel				532204	518598	529998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	19.85	19.90	19.80	21.7	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PI/2 BPSK	1	1	19.82	19.93	19.79	21.7	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	19.82	19.90	19.80	21.7	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	19.82	19.92	19.81	21.7	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	19.82	19.90	19.80	21.7	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	19.82	19.93	19.80	21.7	0.0	
Channel				532204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	19.85	19.94	19.80	21.7	0.0	

n77(Part 27Q)_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)		
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.				
Channel				3500.01						
Frequency (MHz)				3500.01						
100	Pi2 BPSK	1	1		9.90					
100	Pi2 BPSK	1	137		10.14		10.7	0.0		
100	Pi2 BPSK	1	271		9.38					
100	Pi2 BPSK	135	0		10.06		10.7	0.0		
100	Pi2 BPSK	135	69		10.12		10.7	0.0		
100	Pi2 BPSK	135	138		9.94					
100	Pi2 BPSK	270	0		9.34		10.7	0.0		
100	QPSK	1	1		9.92					
100	QPSK	1	137		10.13		10.7	0.0		
100	QPSK	1	271		9.34					
100	QPSK	135	0		9.91		10.7	0.0		
100	QPSK	135	69		10.01					
100	QPSK	135	138		9.92					
100	QPSK	270	0		9.87		10.7	0.0		
100	16QAM	1	1		9.24		10.7	0.0		
100	64QAM	1	1		9.35		10.7	0.0		
100	256QAM	1	1		9.98		10.7	0.0		
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3495	3500.01	3504.99				
90	Pi2 BPSK	1	1		9.45	9.46	9.46	10.7	0.0	
Channel				632665	633334	634000	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02	3500.01	3510				
80	Pi2 BPSK	1	1		9.44	9.46	9.45	10.7	0.0	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3485.01	3500.01	3514.98				
70	Pi2 BPSK	1	1		9.42	9.49	9.44	10.7	0.0	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3500.01	3519.99				
60	Pi2 BPSK	1	1		9.45	9.49	9.46	10.7	0.0	
Channel				631668	633334	635000	limit (dB)			
Frequency (MHz)				3475.02	3500.01	3525				
50	Pi2 BPSK	1	1		9.42	9.45	9.41	10.7	0.0	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3500.01	3528.99				
40	Pi2 BPSK	1	1		9.44	9.43	9.40	10.7	0.0	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3465	3500.01	3534.99				
30	Pi2 BPSK	1	1		9.47	9.49	9.45	10.7	0.0	
Channel				630668	633334	636000	limit (dB)			
Frequency (MHz)				3460.02	3500.01	3539.99				
25	Pi2 BPSK	1	1		9.45	9.49	9.47	10.7	0.0	
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455.01	3500.01	3544.98				
20	Pi2 BPSK	1	1		9.45	9.44	9.45	10.7	0.0	
Channel				630000	633334	636668	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3450.5	3500.01	3549.49				
15	Pi2 BPSK	1	1		9.41	9.49	9.43	10.7	0.0	
Channel				630334	633334	636332	limit (dB)			
Frequency (MHz)				3455.01	3500.01	3544.98				
10	Pi2 BPSK	1	1		9.46	9.45	9.46	10.7	0.0	

n77(Part 27Q)_Ant 3(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				3500.01 633334					
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		12.55				
100	Pi2 BPSK	1	137		13.13		13.7	0.0	
100	Pi2 BPSK	1	271		12.38				
100	Pi2 BPSK	135	0		13.03		13.7	0.0	
100	Pi2 BPSK	135	69		13.06		13.7	0.0	
100	Pi2 BPSK	135	138		12.91				
100	Pi2 BPSK	270	0		12.99		13.7	0.0	
100	QPSK	1	1		12.48				
100	QPSK	1	137		13.11		13.7	0.0	
100	QPSK	1	271		12.42				
100	QPSK	135	0		12.99		13.7	0.0	
100	QPSK	135	69		13.07				
100	QPSK	135	138		12.94				
100	QPSK	270	0		12.87		13.7	0.0	
100	16QAM	1	1		12.26		13.7	0.0	
100	64QAM	1	1		12.31		13.7	0.0	
100	256QAM	1	1		12.81		13.7	0.0	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	Pi2 BPSK	1	1		12.50	12.54	12.50	13.7	0.0
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	Pi2 BPSK	1	1		12.52	12.48	12.52	13.7	0.0
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	Pi2 BPSK	1	1		12.51	12.54	12.49	13.7	0.0
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	Pi2 BPSK	1	1		12.46	12.53	12.50	13.7	0.0
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	Pi2 BPSK	1	1		12.50	12.53	12.47	13.7	0.0
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.99			
40	Pi2 BPSK	1	1		12.52	12.49	12.51	13.7	0.0
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	Pi2 BPSK	1	1		12.46	12.51	12.48	13.7	0.0
Channel				630668	633334	636000	limit (dB)		
Frequency (MHz)				3460.02	3500.01	3539.99			
25	Pi2 BPSK	1	1		12.49	12.52	12.52	13.7	0.0
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
20	Pi2 BPSK	1	1		12.51	12.54	12.47	13.7	0.0
Channel				630000	633334	636668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.5	3500.01	3549.49			
15	Pi2 BPSK	1	1		12.48	12.51	12.52	13.7	0.0
Channel				630334	633334	636332	limit (dB)		
Frequency (MHz)				3455.01	3500.01	3544.98			
10	Pi2 BPSK	1	1		12.52	12.53	12.52	13.7	0.0

n77(Part 27Q)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	Pi2 BPSK	1	1	9.37	9.43	9.33			
100	Pi2 BPSK	1	137	10.11	10.17	9.96	10.7		0.0
100	Pi2 BPSK	1	271	9.28	9.34	9.20			
100	Pi2 BPSK	135	0	9.98	9.99	9.91	10.7		0.0
100	Pi2 BPSK	135	69	10.07	10.11	9.82	10.7		0.0
100	Pi2 BPSK	135	138	9.89	10.00	9.93			
100	Pi2 BPSK	270	0	9.95	9.97	9.76	10.7		0.0
100	QPSK	1	1	9.27	9.32	9.25			
100	QPSK	1	137	10.01	10.06	9.90	10.7		0.0
100	QPSK	1	271	9.31	9.36	9.25			
100	QPSK	135	0	9.87	9.88	9.90			
100	QPSK	135	69	9.92	10.08	9.82	10.7		0.0
100	QPSK	135	138	9.82	9.91	9.88			
100	QPSK	270	0	9.79	9.89	9.66	10.7		0.0
100	16QAM	1	1	9.28	9.35	9.29	10.7		0.0
100	64QAM	1	1	9.33	9.51	9.29	10.7		0.0
100	256QAM	1	1	9.60	9.72	9.70	10.7		0.0
Channel				649668	650000	662332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	Pi2 BPSK	1	1	9.35	9.39	9.31	10.7		0.0
Channel				649334	650000	662668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	Pi2 BPSK	1	1	9.34	9.39	9.30	10.7		0.0
Channel				649000	650000	663000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	Pi2 BPSK	1	1	9.33	9.39	9.32	10.7		0.0
Channel				648668	650000	663332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3940.08			
60	Pi2 BPSK	1	1	9.33	9.42	9.30	10.7		0.0
Channel				648334	650000	663668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	Pi2 BPSK	1	1	9.32	9.37	9.28	10.7		0.0
Channel				648000	650000	664000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	Pi2 BPSK	1	1	9.33	9.37	9.28	10.7		0.0
Channel				647668	650000	664332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98			
30	Pi2 BPSK	1	1	9.36	9.40	9.32	10.7		0.0
Channel				647332	650000	664668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3974.99			
25	Pi2 BPSK	1	1	9.34	9.41	9.29	10.7		0.0
Channel				647000	650000	665000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
20	Pi2 BPSK	1	1	9.34	9.41	9.29	10.7		0.0
Channel				646768	650000	664832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3700.02	3840	3972.48			
15	Pi2 BPSK	1	1	9.36	9.40	9.31	10.7		0.0
Channel				647000	650000	665000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	Pi2 BPSK	1	1	9.32	9.40	9.32	10.7		0.0

n77(Part 27O)_Ant 3(HPUE)									
Average Power (dbm)									
BW (MHz)	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)									
100	PV2 BPSK	1	1	11.83	11.83	11.80			
100	PV2 BPSK	1	137	12.66	12.71	12.47	13.7		0.0
100	PV2 BPSK	1	271	11.81	11.79	11.71			
100	PV2 BPSK	135	0	12.40	12.44	12.44	13.7	0.0	
100	PV2 BPSK	135	69	12.55	12.63	12.31	13.7	0.0	
100	PV2 BPSK	135	138	12.43	12.50	12.43			
100	PV2 BPSK	270	0	12.46	12.48	12.18	13.7	0.0	
100	QPSK	1	1	11.71	11.81	11.76			
100	QPSK	1	137	12.56	12.61	12.37	13.7	0.0	
100	QPSK	1	271	11.83	11.80	11.77			
100	QPSK	135	0	12.41	12.49	12.43			
100	QPSK	135	69	12.44	12.55	12.32	13.7	0.0	
100	QPSK	135	138	12.31	12.40	12.32			
100	QPSK	270	0	12.28	12.46	12.09	13.7	0.0	
100	16QAM	1	1	11.83	11.85	11.84	13.7	0.0	
100	64QAM	1	1	11.82	11.81	11.79	13.7	0.0	
100	256QAM	1	1	12.14	12.21	12.13	13.7	0.0	
Channel									
Frequency (MHz)									
90	PV2 BPSK	1	1	64.9668	65.0000	66.2332	turn-up limit (dbm)	MPR (db)	
90	PV2 BPSK	1	1	37.45	37.42	36.94	turn-up limit (dbm)	MPR (db)	
90	PV2 BPSK	1	1	11.82	11.80	11.77	13.7		
Channel									
Frequency (MHz)									
80	PV2 BPSK	1	1	64.9334	65.0000	66.2666	turn-up limit (dbm)	MPR (db)	
80	PV2 BPSK	1	1	37.40	37.40	36.99	turn-up limit (dbm)	MPR (db)	
80	PV2 BPSK	1	1	11.78	11.82	11.76	13.7		
Channel									
Frequency (MHz)									
70	PV2 BPSK	1	1	64.9000	65.0000	66.0000	turn-up limit (dbm)	MPR (db)	
70	PV2 BPSK	1	1	37.35	37.40	36.94	turn-up limit (dbm)	MPR (db)	
70	PV2 BPSK	1	1	11.82	11.82	11.77	13.7	0.0	
Channel									
Frequency (MHz)									
60	PV2 BPSK	1	1	64.9668	65.0000	66.3332	turn-up limit (dbm)	MPR (db)	
60	PV2 BPSK	1	1	37.30	37.32	36.94	turn-up limit (dbm)	MPR (db)	
60	PV2 BPSK	1	1	11.80	11.79	11.77	13.7		
Channel									
Frequency (MHz)									
50	PV2 BPSK	1	1	64.9334	65.0000	66.3666	turn-up limit (dbm)	MPR (db)	
50	PV2 BPSK	1	1	37.25	37.30	36.94	turn-up limit (dbm)	MPR (db)	
50	PV2 BPSK	1	1	11.79	11.76	11.75	13.7	0.0	
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	64.9000	65.0000	66.0000	turn-up limit (dbm)	MPR (db)	
40	PV2 BPSK	1	1	37.20	37.30	36.94	turn-up limit (dbm)	MPR (db)	
40	PV2 BPSK	1	1	11.82	11.77	11.78	13.7	0.0	
Channel									
Frequency (MHz)									
30	PV2 BPSK	1	1	64.7668	65.0000	66.4332	turn-up limit (dbm)	MPR (db)	
30	PV2 BPSK	1	1	37.15	37.40	36.94	turn-up limit (dbm)	MPR (db)	
30	PV2 BPSK	1	1	11.78	11.82	11.76	13.7	0.0	
Channel									
Frequency (MHz)									
25	PV2 BPSK	1	1	64.7500	65.0000	66.4500	turn-up limit (dbm)	MPR (db)	
25	PV2 BPSK	1	1	37.12	37.40	36.97	5.5		
25	PV2 BPSK	1	1	11.79	11.81	11.79	13.7	0.0	
Channel									
Frequency (MHz)									
20	PV2 BPSK	1	1	64.7334	65.0000	66.4666	turn-up limit (dbm)	MPR (db)	
20	PV2 BPSK	1	1	37.10	37.40	36.98	5.5		
20	PV2 BPSK	1	1	11.78	11.76	11.76	13.7	0.0	
Channel									
Frequency (MHz)									
15	PV2 BPSK	1	1	64.7168	65.0000	66.4832	turn-up limit (dbm)	MPR (db)	
15	PV2 BPSK	1	1	37.07	37.40	36.97	4.8		
15	PV2 BPSK	1	1	11.80	11.79	11.75	13.7	0.0	
Channel									
Frequency (MHz)									
10	PV2 BPSK	1	1	64.7000	65.0000	66.5000	turn-up limit (dbm)	MPR (db)	
10	PV2 BPSK	1	1	37.05	36.84	36.95	5.5		
10	PV2 BPSK	1	1	11.81	11.81	11.79	13.7	0.0	

n77(Part 27Q)_Ant 4									
Average Power (dBm)									
BW (MHz)	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)									
100	PV2 BPSK	1	1	10.27	11.15		12.2	0.0	
100	PV2 BPSK	1	137	10.33	10.97		12.2	0.0	
100	PV2 BPSK	1	271	10.33	10.97		12.2	0.0	
100	PV2 BPSK	135	0	10.97	11.03		12.2	0.0	
100	PV2 BPSK	135	69	10.85	10.85		12.2	0.0	
100	PV2 BPSK	270	0	10.97	10.97		12.2	0.0	
100	QPSK	1	1	10.34	11.08		12.2	0.0	
100	QPSK	1	137	10.34	11.08		12.2	0.0	
100	QPSK	1	271	10.27	10.27				
100	QPSK	135	0	10.82					
100	QPSK	135	69	10.89			12.2	0.0	
100	QPSK	135	138	10.84					
100	QPSK	270	0	10.90			12.2	0.0	
100	16QAM	1	1	10.34			12.2	0.0	
100	64QAM	1	1	10.37			12.2	0.0	
100	256QAM	1	1	10.42			12.2	0.0	
Channel									
Frequency (MHz)									
90	PV2 BPSK	1	1	63.0000	63.3334	63.6666	turn-up limit (dBm)	MPR (dB)	
90	PV2 BPSK	1	1	34.85	35.01	35.04	turn-up limit (dBm)	MPR (dB)	
90	PV2 BPSK	1	1	10.25	10.21	10.24	12.2	0.0	
Channel									
Frequency (MHz)									
80	PV2 BPSK	1	1	34.90	35.00	35.10	turn-up limit (dBm)	MPR (dB)	
80	PV2 BPSK	1	1	10.20	10.21	10.21	12.2	0.0	
Channel									
Frequency (MHz)									
70	PV2 BPSK	1	1	63.2334	63.3334	63.4332	turn-up limit (dBm)	MPR (dB)	
70	PV2 BPSK	1	1	34.85	35.01	35.14	turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	PV2 BPSK	1	1	63.2000	63.3334	63.4666	turn-up limit (dBm)	MPR (dB)	
60	PV2 BPSK	1	1	34.80	35.00	35.19	turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PV2 BPSK	1	1	63.1168	63.3334	63.5000	turn-up limit (dBm)	MPR (dB)	
50	PV2 BPSK	1	1	34.75	35.00	35.25	turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	63.1000	63.3334	63.5666	turn-up limit (dBm)	MPR (dB)	
40	PV2 BPSK	1	1	34.85	35.00	35.34	turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	PV2 BPSK	1	1	63.0500	63.3334	63.6166	turn-up limit (dBm)	MPR (dB)	
30	PV2 BPSK	1	1	34.57	35.00	35.42	turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	PV2 BPSK	1	1	63.0000	63.3334	63.6000	turn-up limit (dBm)	MPR (dB)	
25	PV2 BPSK	1	1	34.80	35.00	35.40	turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PV2 BPSK	1	1	63.0000	63.3334	63.6000	turn-up limit (dBm)	MPR (dB)	
20	PV2 BPSK	1	1	10.32	10.33	10.29	12.2	0.0	
Channel									
Frequency (MHz)									
15	PV2 BPSK	1	1	63.0500	63.3334	63.6166	turn-up limit (dBm)	MPR (dB)	
15	PV2 BPSK	1	1	10.29	10.29	10.32	12.2	0.0	
Channel									
Frequency (MHz)									
10	PV2 BPSK	1	1	34.55	35.00	35.44	turn-up limit (dBm)	MPR (dB)	
10	PV2 BPSK	1	1	10.29	10.34	10.32	12.2	0.0	

n77(Part 27Q)_Ant 4(HPUE)									
Average Power (dBm)									
BW (MHz)	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)									
100	P2/2 BPSK	1	1	13.27	3600.01	3633.34			
100	P2/2 BPSK	1	137	13.14	14.14		15.2	0.0	
100	P2/2 BPSK	1	271	13.27	13.27				
100	P2/2 BPSK	135	0	13.91	13.91		15.2	0.0	
100	P2/2 BPSK	135	69	13.98	13.98		15.2	0.0	
100	P2/2 BPSK	135	138	13.82	13.82		15.2	0.0	
100	P2/2 BPSK	270	0	13.91	13.91				
100	QPSK	1	1	14.01	14.01		15.2		
100	QPSK	1	137	13.78	13.78				
100	QPSK	1	271	13.28	13.28				
100	QPSK	135	0	13.89	13.89				
100	QPSK	135	69	13.92	13.92		15.2	0.0	
100	QPSK	135	138	13.78	13.78				
100	QPSK	270	0	13.96	13.96		15.2	0.0	
100	16QAM	1	1	13.38	13.38		15.2	0.0	
100	64QAM	1	1	13.34	13.34		15.2	0.0	
100	256QAM	1	1	13.45	13.45		15.2	0.0	
Channel									
Frequency (MHz)				633000	633334	633666	turn-up limit (dBm)	MPR (dB)	
90	P2/2 BPSK	1	1	13.18	13.26	13.21	15.2	0.0	
Channel									
Frequency (MHz)				3698.68	363334	363400	turn-up limit (dBm)	MPR (dB)	
80	P2/2 BPSK	1	1	13.23	13.22	13.24	15.2	0.0	
Channel									
Frequency (MHz)				362334	363334	364332	turn-up limit (dBm)	MPR (dB)	
70	P2/2 BPSK	1	1	13.65.01	3600.01	3514.98	15.2		
Channel									
Frequency (MHz)				632000	633334	634668	turn-up limit (dBm)	MPR (dB)	
60	P2/2 BPSK	1	1	13.21	13.21	13.21	15.2	0.0	
Channel									
Frequency (MHz)				361668	363334	363500	turn-up limit (dBm)	MPR (dB)	
50	P2/2 BPSK	1	1	13.17	13.20	13.17	15.2	0.0	
Channel									
Frequency (MHz)				631534	633334	633532	turn-up limit (dBm)	MPR (dB)	
40	P2/2 BPSK	1	1	13.19	13.23	13.19	15.2	0.0	
Channel									
Frequency (MHz)				631000	633334	635666	turn-up limit (dBm)	MPR (dB)	
30	P2/2 BPSK	1	1	13.19	13.24	13.21	15.2	0.0	
Channel									
Frequency (MHz)				360934	3600.01	3588.92	turn-up limit (dBm)	MPR (dB)	
25	P2/2 BPSK	1	1	13.23	13.21	13.22	15.2	0.0	
Channel									
Frequency (MHz)				630668	633334	636000	turn-up limit (dBm)	MPR (dB)	
20	P2/2 BPSK	1	1	13.20	13.26	13.23	15.2	0.0	
Channel									
Frequency (MHz)				630500	633334	636166	turn-up limit (dBm)	MPR (dB)	
15	P2/2 BPSK	1	1	13.20	13.24	13.22	15.2	0.0	
Channel									
Frequency (MHz)				365934	363334	364332	turn-up limit (dBm)	MPR (dB)	
10	P2/2 BPSK	1	1	13.21	13.20	13.22	15.2	0.0	

n77(Part 27O)_Ant 4									
Average Power (dBm)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq. 650000	Power Middle Ch./ Freq. 650000	Power High Ch./ Freq. 650000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	10.26	10.35	10.31			
100	PV2 BPSK	1	137	11.32	11.34	11.26	12.2		0.0
100	PV2 BPSK	1	271	10.27	10.36	10.23			
100	PV2 BPSK	135	0	10.98	11.12	11.02	12.2		0.0
100	PV2 BPSK	135	69	11.15	11.26	11.18	12.2		0.0
100	PV2 BPSK	135	138	10.88	10.97	10.93			
100	PV2 BPSK	270	0	11.00	11.08	10.96	12.2		0.0
100	QPSK	1	1	10.25	10.30	10.29			
100	QPSK	1	137	11.25	11.29	11.26	12.2		0.0
100	QPSK	1	271	10.21	10.27	10.24			
100	QPSK	135	0	10.97	11.11	11.00			
100	QPSK	135	69	11.04	11.18	11.16	12.2		0.0
100	QPSK	135	138	10.95	11.02	10.89			
100	QPSK	270	0	11.01	11.00	10.96	12.2		0.0
100	16QAM	1	1	10.25	10.31	10.31	12.2		0.0
100	64QAM	1	1	10.30	10.34	10.28	12.2		0.0
100	256QAM	1	1	10.23	10.37	10.27	12.2		0.0
Channel									
Frequency (MHz)									
90	PV2 BPSK	1	1	37.45	38.40	39.34.98	turn-up limit (dBm)	MPR	(dB)
				10.25	10.32	10.30	12.2		0.0
Channel									
Frequency (MHz)									
80	PV2 BPSK	1	1	37.40.01	38.40	39.39.99	limit (dB)		
Channel									
Frequency (MHz)									
70	PV2 BPSK	1	1	10.25	10.34	10.28	12.2		0.0
Channel									
Frequency (MHz)									
60	PV2 BPSK	1	1	10.24	10.30	10.27	12.2		0.0
Channel									
Frequency (MHz)									
50	PV2 BPSK	1	1	10.22	10.32	10.30	12.2		0.0
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	10.25	10.30	10.27	12.2		0.0
Channel									
Frequency (MHz)									
30	PV2 BPSK	1	1	10.21	10.30	10.30	12.2		0.0
Channel									
Frequency (MHz)									
25	PV2 BPSK	1	1	10.23	10.33	10.26	12.2		0.0
Channel									
Frequency (MHz)									
20	PV2 BPSK	1	1	10.23	10.33	10.25	12.2		0.0
Channel									
Frequency (MHz)									
15	PV2 BPSK	1	1	10.21	10.32	10.30	12.2		0.0
Channel									
Frequency (MHz)									
10	PV2 BPSK	1	1	10.22	10.31	10.28	12.2		0.0

n77(Part 27O)_Ant 4(HPUe)									
Average Power (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq. 65000	Power Middle Ch./ Freq. 65000	Power High Ch./ Freq. 65000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	13.20	13.31	13.21			
100	PV2 BPSK	1	137	14.34	14.38	14.25	15.2		0.0
100	PV2 BPSK	1	271	13.29	13.32	13.30			
100	PV2 BPSK	135	0	13.98	14.05	14.06	15.2		0.0
100	PV2 BPSK	135	69	14.22	14.30	14.19	15.2		0.0
100	PV2 BPSK	135	138	13.92	14.02	13.95			
100	PV2 BPSK	270	0	14.08	14.10	13.98	15.2		0.0
100	QPSK	1	1	13.30	13.35	13.34			
100	QPSK	1	137	14.28	14.38	14.31	15.2		0.0
100	QPSK	1	271	13.28	13.32	13.28			
100	QPSK	135	0	13.99	14.09	14.01			
100	QPSK	135	69	14.14	14.16	14.09	15.2		0.0
100	QPSK	135	138	13.97	14.01	13.88			
100	QPSK	270	0	13.95	14.03	13.98	15.2		0.0
100	16QAM	1	1	13.25	13.31	13.25	15.2		0.0
100	64QAM	1	1	13.22	13.31	13.21	15.2		0.0
100	256QAM	1	1	13.32	13.33	13.32	15.2		0.0
Channel									
Frequency (MHz)									
90	PV2 BPSK	1	1	13.10	13.27	13.16	15.2		0.0
Channel									
Frequency (MHz)									
80	PV2 BPSK	1	1	13.11	13.29	13.13	15.2		0.0
Channel									
Frequency (MHz)									
70	PV2 BPSK	1	1	13.11	13.30	13.12	15.2		0.0
Channel									
Frequency (MHz)									
60	PV2 BPSK	1	1	13.16	13.27	13.11	15.2		0.0
Channel									
Frequency (MHz)									
50	PV2 BPSK	1	1	13.12	13.28	13.14	15.2		0.0
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	13.13	13.28	13.16	15.2		0.0
Channel									
Frequency (MHz)									
30	PV2 BPSK	1	1	13.17	13.26	13.12	15.2		0.0
Channel									
Frequency (MHz)									
25	PV2 BPSK	1	1	13.17	13.29	13.17	15.2		0.0
Channel									
Frequency (MHz)									
20	PV2 BPSK	1	1	13.17	13.27	13.12	15.2		0.0
Channel									
Frequency (MHz)									
15	PV2 BPSK	1	1	13.13	13.29	13.12	15.2		0.0
Channel									
Frequency (MHz)									
10	PV2 BPSK	1	1	13.13	13.29	13.16	15.2		0.0

n77(Part 27Q)_Ant 5									
Average Power (dBm)									
BW [MHz]	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)									
100	P12 BPSK	1	1		15.39				
100	P12 BPSK	1	137		16.21		17.2		0.0
100	P12 BPSK	1	271		15.38				
100	P12 BPSK	135	0		15.96		17.2		0.0
100	P12 BPSK	135	69		16.10		17.2		0.0
100	P12 BPSK	135	138		15.93				
100	P12 BPSK	270	0		16.01		17.2		0.0
100	QPSK	1	1		15.34				
100	QPSK	1	137		16.20		17.2		0.0
100	QPSK	1	271		15.33				
100	QPSK	135	0		15.92				
100	QPSK	135	69		16.00		17.2		0.0
100	QPSK	135	138		15.84				
100	QPSK	270	0		15.87		17.2		0.0
100	16QAM	1	1		15.35		17.2		0.0
100	64QAM	1	1		15.35		17.2		0.0
100	256QAM	1	1		15.37		17.2		0.0
Channel									
Frequency (MHz)									
90	P12 BPSK	1	1	633300	633334	633666	turn-up limit (dBm)	MPR	(dB)
				3496	3500.01	3504.99	17.2		0.0
				15.33	15.38	15.29	17.2		0.0
Channel									
Frequency (MHz)									
80	P12 BPSK	1	1	633668	633334	634000	turn-up limit (dBm)	MPR	(dB)
				3499.02	3500.01	3510	17.2		0.0
				15.34	15.38	15.32	17.2		0.0
Channel									
Frequency (MHz)									
70	P12 BPSK	1	1	633334	633334	634332	turn-up limit (dBm)	MPR	(dB)
				3485.01	3500.01	3514.98	17.2		0.0
				15.34	15.34	15.35	17.2		0.0
Channel									
Frequency (MHz)									
60	P12 BPSK	1	1	633000	633334	634666	turn-up limit (dBm)	MPR	(dB)
				3490	3500.01	3519.99	17.2		0.0
				15.35	15.35	15.35	17.2		0.0
Channel									
Frequency (MHz)									
50	P12 BPSK	1	1	631668	633334	635000	turn-up limit (dBm)	MPR	(dB)
				3475.02	3500.01	3525	17.2		0.0
				15.33	15.37	15.35	17.2		0.0
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	631334	633334	635332	turn-up limit (dBm)	MPR	(dB)
				3470.01	3500.01	3529.98	17.2		0.0
				15.37	15.35	15.34	17.2		0.0
Channel									
Frequency (MHz)									
30	P12 BPSK	1	1	631000	633334	635666	turn-up limit (dBm)	MPR	(dB)
				3465	3500.01	3534.99	17.2		0.0
				15.31	15.38	15.37	17.2		0.0
Channel									
Frequency (MHz)									
25	P12 BPSK	1	1	630634	633334	635832	turn-up limit (dBm)	MPR	(dB)
				3462.51	3500.01	3537.48	17.2		0.0
				15.32	15.34	15.35	17.2		0.0
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	630368	633334	636000	turn-up limit (dBm)	MPR	(dB)
				3460.02	3500.01	3540	17.2		0.0
				15.31	15.36	15.33	17.2		0.0
Channel									
Frequency (MHz)									
15	P12 BPSK	1	1	630050	633334	636166	turn-up limit (dBm)	MPR	(dB)
				3457.5	3500.01	3542.49	17.2		0.0
				15.34	15.36	15.32	17.2		0.0
Channel									
Frequency (MHz)									
10	P12 BPSK	1	1	629734	633334	636332	turn-up limit (dBm)	MPR	(dB)
				3455.01	3500.01	3544.98	17.2		0.0
				15.37	15.38	15.29	17.2		0.0

n77(Part 27Q)_Ant 5(HPUE)									
Average Power (dBm)									
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				3500.01					
Frequency (MHz)				3500.01					
100	PV2 BPSK	1	1	18.35	18.35	18.35	20.2	0.0	
100	PV2 BPSK	1	137	18.24	18.24	18.24			
100	PV2 BPSK	1	271	18.33	18.33	18.33	20.2	0.0	
100	PV2 BPSK	135	0	18.96	18.96	18.96			
100	PV2 BPSK	135	69	19.11	19.11	19.11	20.2	0.0	
100	PV2 BPSK	135	138	18.91	18.91	18.91			
100	PV2 BPSK	270	0	18.99	18.99	18.99	20.2	0.0	
100	QPSK	1	1	18.31	18.31	18.31			
100	QPSK	1	137	19.17	19.17	19.17	20.2	0.0	
100	QPSK	1	271	18.30	18.30	18.30			
100	QPSK	135	0	18.91	18.91	18.91	20.2	0.0	
100	QPSK	135	69	19.05	19.05	19.05			
100	QPSK	135	138	18.85	18.85	18.85	20.2	0.0	
100	QPSK	270	0	18.92	18.92	18.92			
100	16QAM	1	1	18.35	18.35	18.35	20.2	0.0	
100	64QAM	1	1	18.34	18.34	18.34			
100	256QAM	1	1	18.38	18.38	18.38	20.2	0.0	
Channel				633000	633334	633666	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3495	3500.01	3504.99	limit (dBm)		(dB)
90	PV2 BPSK	1	1	18.28	18.31	18.31	20.2	0.0	
Channel				632666	633334	634000	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3490.02	3500.01	3510	limit (dBm)		(dB)
80	PV2 BPSK	1	1	18.29	18.30	18.29	20.2	0.0	
Channel				632334	633334	634332	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3485.01	3500.01	3514.08	limit (dBm)		(dB)
70	PV2 BPSK	1	1	18.27	18.30	18.25	20.2	0.0	
Channel				632000	633334	634666	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3480	3500.01	3519.99	limit (dBm)		(dB)
60	PV2 BPSK	1	1	18.26	18.34	18.28	20.2	0.0	
Channel				631666	633334	635000	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3475.02	3500.01	3525	limit (dBm)		(dB)
50	PV2 BPSK	1	1	18.27	18.30	18.26	20.2	0.0	
Channel				631334	633334	635332	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3470.01	3500.01	3523.08	limit (dBm)		(dB)
40	PV2 BPSK	1	1	18.31	18.30	18.32	20.2	0.0	
Channel				631000	633334	635666	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3465	3500.01	3534.99	limit (dBm)		(dB)
30	PV2 BPSK	1	1	18.30	18.33	18.28	20.2	0.0	
Channel				630534	633334	635912	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3462.51	3500.01	3537.48	limit (dBm)		(dB)
25	PV2 BPSK	1	1	18.28	18.33	18.29	20.2	0.0	
Channel				630666	633334	636000	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3460.02	3500.01	3540	limit (dBm)		(dB)
20	PV2 BPSK	1	1	18.29	18.31	18.26	20.2	0.0	
Channel				630500	633334	636166	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3457.5	3500.01	3542.49	limit (dBm)		(dB)
15	PV2 BPSK	1	1	18.29	18.32	18.33	20.2	0.0	
Channel				630334	633334	636332	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3455.01	3500.01	3544.98	limit (dBm)		(dB)
10	PV2 BPSK	1	1	18.31	18.32	18.29	20.2	0.0	

n77(Part 27O)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dB)	MPR (dB)	
				Power Averaging Ch./Freq. 650000	Power Averaging Ch./Freq. 650000	Power Averaging Ch./Freq. 650000			
Channel									
Frequency (MHz)									
100	PV2 BPSK	1	1	15.32	15.34	15.33	17.2	0.0	
100	PV2 BPSK	1	137	16.24	16.28	16.21			
100	PV2 BPSK	1	271	15.35	15.38	15.38	17.2	0.0	
100	PV2 BPSK	135	0	15.93	15.93	15.95			
100	PV2 BPSK	135	69	16.13	16.26	16.19	17.2	0.0	
100	PV2 BPSK	135	138	15.90	15.96	15.89			
100	PV2 BPSK	270	0	16.01	16.09	16.03	17.2	0.0	
100	QPSK	1	1	15.30	15.33	15.34			
100	QPSK	1	137	16.25	16.27	16.18	17.2	0.0	
100	QPSK	1	271	15.30	15.37	15.34			
100	QPSK	135	0	15.95	15.98	15.91	17.2	0.0	
100	QPSK	135	69	16.14	16.18	16.06			
100	QPSK	135	138	15.90	16.01	15.96	17.2	0.0	
100	QPSK	270	0	15.96	15.97	15.99			
100	16QAM	1	1	15.22	15.33	15.33	17.2	0.0	
100	64QAM	1	1	15.20	15.33	15.25			
100	256QAM	1	1	15.25	15.32	15.30	17.2	0.0	
Channel									
Frequency (MHz)									
90	PV2 BPSK	1	1	15.29	15.33	15.29	turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	PV2 BPSK	1	1	15.31	15.29	15.29	turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	PV2 BPSK	1	1	15.30	15.30	15.28	turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	PV2 BPSK	1	1	16.31	15.29	15.28	turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	PV2 BPSK	1	1	15.29	15.33	15.28	turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	15.28	15.33	15.30	turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	PV2 BPSK	1	1	15.29	15.33	15.29	turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	PV2 BPSK	1	1	15.30	15.32	15.30	turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PV2 BPSK	1	1	15.31	15.31	15.29	turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	PV2 BPSK	1	1	15.30	15.30	15.32	turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PV2 BPSK	1	1	15.30	15.33	15.29	turn-up limit (dBm)	MPR (dB)	

n77(Part 27O)_Ant 5(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq. 650000	Power Middle Ch./Freq. 650000	Power High Ch./Freq. 660000			
Channel				3750	3840	3930			
Frequency (MHz)									
100	PV2 BPSK	1	1	18.31	18.37	18.29	20.2	0.0	
100	PV2 BPSK	1	137	19.28	19.30	19.24			
100	PV2 BPSK	1	271	18.34	18.42	18.39	20.2	0.0	
100	PV2 BPSK	135	0	18.92	18.98	18.91			
100	PV2 BPSK	135	69	19.14	19.22	19.15	20.2	0.0	
100	PV2 BPSK	135	138	18.95	19.01	18.92			
100	PV2 BPSK	270	0	18.98	19.08	18.98	20.2	0.0	
100	QPSK	1	1	18.30	18.35	18.31			
100	QPSK	1	137	19.21	19.24	19.20	20.2	0.0	
100	QPSK	1	271	18.34	18.40	18.32			
100	QPSK	135	0	18.92	18.95	18.86	20.2	0.0	
100	QPSK	135	69	19.09	19.16	19.08			
100	QPSK	135	138	18.90	19.00	18.96	20.2	0.0	
100	QPSK	270	0	18.92	19.01	18.95			
100	64QAM	1	1	18.28	18.31	18.28	20.2	0.0	
100	64QAM	1	1	18.25	18.30	18.27			
100	256QAM	1	1	18.25	18.28	18.25	20.2	0.0	
Channel				646688	656000	662332			
Frequency (MHz)				3745.92 <th>3845.92<th>3934.08<td></td><td></td><td></td></th></th>	3845.92 <th>3934.08<td></td><td></td><td></td></th>	3934.08 <td></td> <td></td> <td></td>			
90	PV2 BPSK	1	1	18.27	18.34	18.26	20.2	0.0	
Channel				646934	656000	662696			
Frequency (MHz)				3740.01 <th>3840<th>3939.99<td></td><td></td><td></td></th></th>	3840 <th>3939.99<td></td><td></td><td></td></th>	3939.99 <td></td> <td></td> <td></td>			
90	PV2 BPSK	1	1	18.26	18.32	18.26	20.2	0.0	
Channel				646900	656000	663000			
Frequency (MHz)				3735 <th>3840<th>3945<td></td><td></td><td></td></th></th>	3840 <th>3945<td></td><td></td><td></td></th>	3945 <td></td> <td></td> <td></td>			
70	PV2 BPSK	1	1	18.26	18.36	18.24	20.2	0.0	
Channel				646868	656000	663332			
Frequency (MHz)				3730.02 <th>3840<th>3939.98<td></td><td></td><td></td></th></th>	3840 <th>3939.98<td></td><td></td><td></td></th>	3939.98 <td></td> <td></td> <td></td>			
80	PV2 BPSK	1	1	18.26	18.34	18.26	20.2	0.0	
Channel				646834	656000	663968			
Frequency (MHz)				3725.01 <th>3840<th>3954.99<td></td><td></td><td></td></th></th>	3840 <th>3954.99<td></td><td></td><td></td></th>	3954.99 <td></td> <td></td> <td></td>			
50	PV2 BPSK	1	1	18.26	18.36	18.24	20.2	0.0	
Channel				646800	656000	665000			
Frequency (MHz)				3720 <th>3840<th>3960<td></td><td></td><td></td></th></th>	3840 <th>3960<td></td><td></td><td></td></th>	3960 <td></td> <td></td> <td></td>			
40	PV2 BPSK	1	1	18.30	18.33	18.25	20.2	0.0	
Channel				646668	656000	664332			
Frequency (MHz)				3715.02 <th>3840<th>3948.98<td></td><td></td><td></td></th></th>	3840 <th>3948.98<td></td><td></td><td></td></th>	3948.98 <td></td> <td></td> <td></td>			
30	PV2 BPSK	1	1	18.28	18.33	18.28	20.2	0.0	
Channel				647500	656000	664500			
Frequency (MHz)				3712.5 <th>3840<th>3967.5<td></td><td></td><td></td></th></th>	3840 <th>3967.5<td></td><td></td><td></td></th>	3967.5 <td></td> <td></td> <td></td>			
25	PV2 BPSK	1	1	18.27	18.35	18.27	20.2	0.0	
Channel				647234	656000	664868			
Frequency (MHz)				3710.01 <th>3840<th>3969.99<td></td><td></td><td></td></th></th>	3840 <th>3969.99<td></td><td></td><td></td></th>	3969.99 <td></td> <td></td> <td></td>			
20	PV2 BPSK	1	1	18.28	18.35	18.28	20.2	0.0	
Channel				647168	656000	664832			
Frequency (MHz)				3707.52 <th>3840<th>3972.48<td></td><td></td><td></td></th></th>	3840 <th>3972.48<td></td><td></td><td></td></th>	3972.48 <td></td> <td></td> <td></td>			
15	PV2 BPSK	1	1	18.26	18.35	18.28	20.2	0.0	
Channel				647300	656000	665000			
Frequency (MHz)				3705 <th>3840<th>3975<td></td><td></td><td></td></th></th>	3840 <th>3975<td></td><td></td><td></td></th>	3975 <td></td> <td></td> <td></td>			
10	PV2 BPSK	1	1	18.28	18.33	18.28	20.2	0.0	

n77(Part 27Q)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				3500.01					
Frequency (MHz)				633334					
100	Pl2 BPSK	1	1		16.14		17.7	0.0	
100	Pl2 BPSK	1	137		16.86				
100	Pl2 BPSK	1	271		16.24				
100	Pl2 BPSK	135	0		16.63		17.7	0.0	
100	Pl2 BPSK	135	69		16.80		17.7	0.0	
100	Pl2 BPSK	135	138		16.63		17.7	0.0	
100	Pl2 BPSK	270	0		16.72		17.7	0.0	
100	QPSK	1	1		16.04		17.7	0.0	
100	QPSK	1	137		16.79				
100	QPSK	1	271		16.23				
100	QPSK	135	0		16.61		17.7	0.0	
100	QPSK	135	69		16.68				
100	QPSK	135	138		16.50				
100	QPSK	270	0		16.71		17.7	0.0	
100	16QAM	1	1		16.00		17.7	0.0	
100	64QAM	1	1		15.81		17.7	0.0	
100	256QAM	1	1		14.52		15.2	2.5	
Channel				633000	633334	633668	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3504.99			
90	Pl2 BPSK	1	1	16.09	16.09	16.07	17.7	0.0	
Channel				632668	633334	634000	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	Pl2 BPSK	1	1	16.06	16.12	16.07	17.7	0.0	
Channel				632334	633334	634332	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	Pl2 BPSK	1	1	16.06	16.12	16.07	17.7	0.0	
Channel				632000	633334	634668	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3519.99			
60	Pl2 BPSK	1	1	16.05	16.13	16.07	17.7	0.0	
Channel				631668	633334	635000	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	Pl2 BPSK	1	1	16.05	16.09	16.04	17.7	0.0	
Channel				631334	633334	635332	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	Pl2 BPSK	1	1	16.05	16.13	16.03	17.7	0.0	
Channel				631000	633334	635668	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3534.99			
30	Pl2 BPSK	1	1	16.08	16.13	16.06	17.7	0.0	
Channel				630668	633334	636000	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	Pl2 BPSK	1	1	16.07	16.12	16.07	17.7	0.0	
Channel				630334	633334	636332	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.48			
20	Pl2 BPSK	1	1	16.08	16.13	16.06	17.7	0.0	
Channel				630000	633334	636168	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.48			
15	Pl2 BPSK	1	1	16.07	16.12	16.07	17.7	0.0	
Channel				630334	633334	636332	time-up limit (dBm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	Pl2 BPSK	1	1	16.06	16.13	16.05	17.7	0.0	

n77(Part 27Q)_Ant 6(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PV2 BPSK	1	1		16.13		20.7	0.0	
100	PV2 BPSK	1	137		16.86				
100	PV2 BPSK	1	271		16.26				
100	PV2 BPSK	135	0		16.67		20.7	0.0	
100	PV2 BPSK	135	69		16.73		20.7	0.0	
100	PV2 BPSK	135	138		16.57		20.7	0.0	
100	PV2 BPSK	270	0		16.65		20.7	0.0	
100	QPSK	1	1		16.11		20.7	0.0	
100	QPSK	1	137		16.75				
100	QPSK	1	271		16.25				
100	QPSK	135	0		16.65		20.7	0.0	
100	QPSK	135	69		16.71				
100	QPSK	135	138		16.55				
100	QPSK	270	0		16.69		20.7	0.0	
100	16QAM	1	1		16.01		20.7	0.0	
100	64QAM	1	1		16.81		20.2	0.5	
100	256QAM	1	1		17.11		18.2	2.5	
Channel				633000	633334	633668	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PV2 BPSK	1	1	16.05	16.12	16.03	20.7	0.0	
Channel				632668	633334	634000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PV2 BPSK	1	1	16.08	16.12	16.03	20.7	0.0	
Channel				632334	633334	634332	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PV2 BPSK	1	1	16.05	16.12	16.04	20.7	0.0	
Channel				632000	633334	634668	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PV2 BPSK	1	1	16.07	16.08	16.03	20.7	0.0	
Channel				631668	633334	635000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PV2 BPSK	1	1	16.08	16.10	16.02	20.7	0.0	
Channel				631334	633334	635332	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PV2 BPSK	1	1	16.08	16.12	16.05	20.7	0.0	
Channel				631000	633334	635668	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PV2 BPSK	1	1	16.08	16.08	16.02	20.7	0.0	
Channel				630804	633334	636000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PV2 BPSK	1	1	16.05	16.09	16.05	20.7	0.0	
Channel				630668	633334	636000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PV2 BPSK	1	1	16.09	16.12	16.06	20.7	0.0	
Channel				630500	633334	636168	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.48			
15	PV2 BPSK	1	1	16.09	16.10	16.06	20.7	0.0	
Channel				630334	633334	636332	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PV2 BPSK	1	1	16.09	16.08	16.02	20.7	0.0	

n77(Part 270)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	16.26	16.27	16.27	17.7	0.0	
100	PI/2 BPSK	1	137	16.89	17.03	16.94			
100	PI/2 BPSK	1	271	16.21	16.34	16.27			
100	PI/2 BPSK	135	0	16.75	16.87	16.77			
100	PI/2 BPSK	135	69	16.88	16.96	16.87	17.7	0.0	
100	PI/2 BPSK	135	138	16.73	16.78	16.78	17.7	0.0	
100	PI/2 BPSK	270	0	16.69	16.85	16.72			
100	QPSK	1	1	16.19	16.26	16.17			
100	QPSK	1	137	16.52	16.94	16.80			
100	QPSK	1	271	16.19	16.25	16.21	17.7	0.0	
100	QPSK	135	0	16.71	16.75	16.79			
100	QPSK	135	69	16.85	16.93	16.84			
100	QPSK	135	138	16.69	16.75	16.75			
100	QPSK	270	0	16.72	16.89	16.69	17.7	0.0	
100	16QAM	1	1	15.11	15.17	15.08	17.7	0.0	
100	64QAM	1	1	15.84	15.90	15.83	17.7	0.0	
100	256QAM	1	1	14.61	14.72	14.66	15.2	2.5	
Channel				648668	656000	662332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	limit (dBm)		
90	PI/2 BPSK	1	1	16.23	16.22	16.23	17.7	0.0	
Channel				640000	656000	662668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99	limit (dBm)		
80	PI/2 BPSK	1	1	16.22	16.23	16.22	17.7	0.0	
Channel				649000	656000	663000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	limit (dBm)		
70	PI/2 BPSK	1	1	16.21	16.26	16.24	17.7	0.0	
Channel				648668	656000	663332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	limit (dBm)		
60	PI/2 BPSK	1	1	16.24	16.26	16.23	17.7	0.0	
Channel				640000	656000	663668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99	limit (dBm)		
50	PI/2 BPSK	1	1	16.23	16.22	16.23	17.7	0.0	
Channel				648000	656000	664000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	limit (dBm)		
40	PI/2 BPSK	1	1	16.21	16.25	16.26	17.7	0.0	
Channel				647668	656000	664332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98	limit (dBm)		
30	PI/2 BPSK	1	1	16.22	16.23	16.22	17.7	0.0	
Channel				640000	656000	664500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	limit (dBm)		
25	PI/2 BPSK	1	1	16.23	16.24	16.23	17.7	0.0	
Channel				647334	656000	664668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99	limit (dBm)		
20	PI/2 BPSK	1	1	16.25	16.26	16.23	17.7	0.0	
Channel				647168	656000	664832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48	limit (dBm)		
15	PI/2 BPSK	1	1	16.24	16.24	16.25	17.7	0.0	
Channel				647000	656000	665000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	limit (dBm)		
10	PI/2 BPSK	1	1	16.22	16.26	16.24	17.7	0.0	

n77(Part 270)_Ant 6(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.19	19.28	19.17	20.7	0.0	
100	PI/2 BPSK	1	137	19.81	19.93	19.84			
100	PI/2 BPSK	1	271	19.19	19.29	19.28			
100	PI/2 BPSK	135	0	19.62	19.73	19.68			
100	PI/2 BPSK	135	69	19.82	19.92	19.77	20.7	0.0	
100	PI/2 BPSK	135	138	19.68	19.67	19.61	20.7	0.0	
100	PI/2 BPSK	270	0	19.59	19.71	19.61			
100	QPSK	1	1	19.17	19.19	19.20			
100	QPSK	1	137	19.79	19.87	19.75			
100	QPSK	1	271	19.17	19.22	19.22	20.7	0.0	
100	QPSK	135	0	19.57	19.71	19.66			
100	QPSK	135	69	19.72	19.81	19.73			
100	QPSK	135	138	19.59	19.66	19.65			
100	QPSK	270	0	19.66	19.77	19.60	20.7	0.0	
100	16QAM	1	1	19.06	19.15	19.02	20.7	0.0	
100	64QAM	1	1	18.76	18.77	18.73	20.2	0.5	
100	256QAM	1	1	17.24	17.26	17.15	18.2	2.5	
Channel				648668	656000	662332	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3745.02	3840	3934.98	limit (dBm)		
90	PI/2 BPSK	1	1	19.14	19.23	19.15	20.7	0.0	
Channel				640000	656000	662668	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3740.01	3840	3939.99	limit (dBm)		
80	PI/2 BPSK	1	1	19.15	19.24	19.14	20.7	0.0	
Channel				649000	656000	663000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3725	3840	3945	limit (dBm)		
70	PI/2 BPSK	1	1	19.16	19.23	19.14	20.7	0.0	
Channel				648668	656000	663332	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3730.02	3840	3949.98	limit (dBm)		
60	PI/2 BPSK	1	1	19.17	19.23	19.12	20.7	0.0	
Channel				640000	656000	663668	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3725.01	3840	3954.99	limit (dBm)		
50	PI/2 BPSK	1	1	19.14	19.25	19.15	20.7	0.0	
Channel				648000	656000	664000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3720	3840	3960	limit (dBm)		
40	PI/2 BPSK	1	1	19.18	19.25	19.13	20.7	0.0	
Channel				647668	656000	664332	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3715.02	3840	3964.98	limit (dBm)		
30	PI/2 BPSK	1	1	19.14	19.27	19.16	20.7	0.0	
Channel				640000	656000	664500	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3712.5	3840	3967.5	limit (dBm)		
25	PI/2 BPSK	1	1	19.17	19.25	19.15	20.7	0.0	
Channel				647334	656000	664668	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3710.01	3840	3969.99	limit (dBm)		
20	PI/2 BPSK	1	1	19.17	19.25	19.13	20.7	0.0	
Channel				647168	656000	664832	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3707.52	3840	3972.48	limit (dBm)		
15	PI/2 BPSK	1	1	19.16	19.26	19.12	20.7	0.0	
Channel				647000	656000	665000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3705	3840	3975	limit (dBm)		
10	PI/2 BPSK	1	1	19.14	19.23	19.16	20.7	0.0	



Conducted Power for DSI 2

n2_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power	Power	Power		
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.		
				372000	376000	380000		
			Channel					
			Frequency (MHz)	1860	1880	1900		
20	PI/2 BPSK	1	1	22.45	22.55	22.45	23.7	0.0
20	PI/2 BPSK	1	53	22.61	22.58	22.65		
20	PI/2 BPSK	1	104	22.42	22.50	22.47		
20	PI/2 BPSK	50	0	22.51	22.60	22.51	23.7	0.0
20	PI/2 BPSK	50	28	22.60	22.66	22.56	23.7	0.0
20	PI/2 BPSK	50	56	22.52	22.61	22.51	23.7	0.0
20	PI/2 BPSK	100	0	22.59	22.62	22.58		
20	QPSK	1	1	22.43	22.53	22.48		
20	QPSK	1	53	22.58	22.62	22.57	23.7	0.0
20	QPSK	1	104	22.40	22.46	22.40		
20	QPSK	50	0	22.51	22.59	22.53		
20	QPSK	50	28	22.63	22.66	22.61	23.7	0.0
20	QPSK	50	56	22.53	22.61	22.53		
20	QPSK	100	0	22.54	22.63	22.58		
20	16QAM	1	1	22.21	22.26	22.23	23.7	0.0
20	64QAM	1	1	21.25	21.29	21.25		
20	256QAM	1	1	19.85	19.92	19.87		
			Channel	371500	375000	380500		
			Frequency (MHz)	1857.5	1880	1902.5		
15	PI/2 BPSK	1	1	22.35	22.51	22.39	23.7	0.0
			Channel	371000	376000	381000		
			Frequency (MHz)	1855	1880	1905		
10	PI/2 BPSK	1	1	22.37	22.54	22.42	23.7	0.0
			Channel	370500	375000	379500		
			Frequency (MHz)	1852.5	1880	1907.5		
5	PI/2 BPSK	1	1	22.42	22.53	22.40	limit	0.0

n25_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				374000	376500	379000		
Channel				1870	1882.5	1895		
Frequency (MHz)								
40	PI/2 BPSK	1	1	22.46	22.56	22.37	23.7	0.0
40	PI/2 BPSK	1	108	22.99	23.05	23.00		
40	PI/2 BPSK	1	214	22.40	22.46	22.36		
40	PI/2 BPSK	108	0	22.85	22.93	22.90		
40	PI/2 BPSK	108	54	22.93	23.01	22.91	23.7	0.0
40	PI/2 BPSK	108	108	22.77	22.96	22.81	23.7	0.0
40	PI/2 BPSK	216	0	22.87	22.96	22.94	23.7	0.0
40	QPSK	1	1	22.35	22.51	22.45		
40	QPSK	1	108	22.95	23.00	22.94		
40	QPSK	1	214	22.38	22.48	22.43		
40	QPSK	108	0	22.94	22.99	22.88	23.7	0.0
40	QPSK	108	54	23.03	23.00	22.88		
40	QPSK	108	108	22.86	22.98	22.85		
40	QPSK	216	0	22.85	22.87	22.79		
40	16QAM	1	1	22.11	22.20	22.22	23.7	0.0
40	64QAM	1	1	20.68	20.77	20.72		
40	256QAM	1	1	19.37	19.41	19.35		
Channel				373000	376500	380000		
Frequency (MHz)				1865	1882.5	1900	turn-up limit	MPR (dB)
30	PI/2 BPSK	1	1	22.43	22.54	22.33	23.7	0.0
Channel				372500	376500	380500		
Frequency (MHz)				1862.5	1882.5	1902.5		
25	PI/2 BPSK	1	1	22.42	22.55	22.34		
Channel				372000	376500	381000	turn-up limit	MPR (dB)
20	PI/2 BPSK	1	1	22.40	22.53	22.32	23.7	0.0
Channel				371500	376500	381500		
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PI/2 BPSK	1	1	22.37	22.53	22.33		
Channel				371000	376500	382000	turn-up limit	MPR (dB)
10	PI/2 BPSK	1	1	22.38	22.55	22.29	23.7	0.0
Channel				370500	376500	382500		
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	22.43	22.52	22.33		



n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.			
				346000	349000	352000			
			Channel		1730	1745	1760		
			Frequency (MHz)						
40	PI/2 BPSK	1	1	21.31	21.38	21.25	22.7	0.0	
40	PI/2 BPSK	1	108	21.92	22.03	21.94			
40	PI/2 BPSK	1	214	21.36	21.31	21.25			
40	PI/2 BPSK	108	0	21.78	21.86	21.73	22.7	0.0	
40	PI/2 BPSK	108	54	21.92	21.99	21.91	22.7	0.0	
40	PI/2 BPSK	108	108	21.61	21.70	21.56	22.7	0.0	
40	PI/2 BPSK	216	0	21.65	21.75	21.60	22.7	0.0	
40	QPSK	1	1	21.22	21.30	21.32			
40	QPSK	1	108	21.94	21.99	21.79			
40	QPSK	1	214	21.39	21.46	21.29	22.7	0.0	
40	QPSK	108	0	21.77	21.82	21.77			
40	QPSK	108	54	21.85	22.00	21.93			
40	QPSK	108	108	21.65	21.73	21.66	22.7	0.0	
40	QPSK	216	0	21.68	21.85	21.80			
40	16QAM	1	1	21.12	21.17	21.13			
40	64QAM	1	1	20.80	20.70	20.70	22.2	0.5	
40	256QAM	1	1	19.38	19.21	19.36	20.2	2.5	
			Channel	345000	349000	353000	1730	limit (dBm)	MPR (dB)
			Frequency (MHz)	1725	1745	1765			
30	PI/2 BPSK	1	1	21.21	21.37	21.15	22.7	0.0	
			Channel	344500	349000	353500	1725	limit (dBm)	MPR (dB)
			Frequency (MHz)	1722.5	1745	1767.5			
25	PI/2 BPSK	1	1	21.22	21.36	21.17	22.7	0.0	
			Channel	344000	349000	354000	1722.5	limit (dBm)	MPR (dB)
			Frequency (MHz)	1720	1745	1770			
20	PI/2 BPSK	1	1	21.25	21.34	21.22	22.7	0.0	
			Channel	343500	349000	354500	1720	limit (dBm)	MPR (dB)
			Frequency (MHz)	1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	21.22	21.33	21.15	22.7	0.0	
			Channel	343000	349000	355000	1717.5	limit (dBm)	MPR (dB)
			Frequency (MHz)	1715	1745	1775			
10	PI/2 BPSK	1	1	21.28	21.34	21.15	22.7	0.0	
			Channel	342500	349000	355500	1712.5	limit (dBm)	MPR (dB)
			Frequency (MHz)	1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	21.23	21.35	21.22	22.7	0.0	

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.			
				134600	136100	137600			
Channel				673	680.5	688			
Frequency (MHz)									
20	PI/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0	
20	PI/2 BPSK	1	53	24.10	24.21	24.15			
20	PI/2 BPSK	1	104	23.98	24.15	24.02			
20	PI/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5	
20	PI/2 BPSK	50	28	24.08	24.20	24.13	24.7	0.5	
20	PI/2 BPSK	50	56	23.55	23.66	23.73			
20	PI/2 BPSK	100	0	23.53	23.76	23.67			
20	QPSK	1	1	23.91	24.08	23.95	25.2	0.0	
20	QPSK	1	53	24.05	24.18	24.14			
20	QPSK	1	104	23.94	24.11	23.95			
20	QPSK	50	0	22.98	23.15	23.16	24.2	1.0	
20	QPSK	50	28	24.04	24.18	24.12	24.2	1.0	
20	QPSK	50	56	23.08	23.12	23.21			
20	QPSK	100	0	23.02	23.25	23.18			
20	16QAM	1	1	22.69	22.82	22.72	24.2	1.0	
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5	
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5	
Channel				134100	136100	138100	134100	limit (dbm)	MPR (db)
Frequency (MHz)				670.5	680.5	690.5			
15	PI/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0	
Channel				133600	136100	138600	133600	limit (dbm)	MPR (db)
Frequency (MHz)				668	680.5	693			
10	PI/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0	
Channel				133100	136100	139100	133100	limit (dbm)	MPR (db)
Frequency (MHz)				665.5	680.5	695.5			
5	PI/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0	



n41_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				Channel	506202	518598			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.36	20.53	20.52			
100	PI/2 BPSK	1	137	21.14	21.17	21.10	21.9	0.0	
100	PI/2 BPSK	1	271	20.37	20.45	20.46			
100	PI/2 BPSK	135	0	20.89	20.88	20.92	21.9	0.0	
100	PI/2 BPSK	135	69	21.01	21.16	21.06	21.9	0.0	
100	PI/2 BPSK	135	138	20.80	20.84	20.69			
100	PI/2 BPSK	270	0	20.91	21.01	20.93	21.9	0.0	
100	QPSK	1	1	20.29	20.45	20.32			
100	QPSK	1	137	21.00	21.13	21.09	21.9	0.0	
100	QPSK	1	271	20.43	20.30	20.43			
100	QPSK	135	0	20.71	20.86	20.86			
100	QPSK	135	69	21.00	21.09	21.01	21.9	0.0	
100	QPSK	135	138	20.61	20.74	20.75			
100	QPSK	270	0	20.85	20.91	20.91	21.9	0.0	
100	16QAM	1	1	20.88	20.97	21.01	21.9	0.0	
100	64QAM	1	1	20.97	20.99	20.96	21.9	0.0	
100	256QAM	1	1	20.89	20.88	20.98	21.9	0.0	
Channel				508200	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	20.31	20.46	20.48	21.9	0.0	
Channel				507204	518598	529998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	20.35	20.51	20.49	21.9	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI/2 BPSK	1	1	20.34	20.48	20.47	21.9	0.0	
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	20.32	20.49	20.51	21.9	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	20.35	20.51	20.51	21.9	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	20.34	20.51 <td>20.49</td> <td>21.9</td> <td>0.0</td> <td></td>	20.49	21.9	0.0	
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.99			
30	PI/2 BPSK	1	1	20.34	20.52	20.49	21.9	0.0	
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	20.33	20.47	20.50	21.9	0.0	

n41_Ant 0(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				Channel	506202	518598			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.95	22.96	22.93			
100	PI/2 BPSK	1	137	23.71	23.78	23.72	24.9	0.0	
100	PI/2 BPSK	1	271	22.88	22.95	22.95			
100	PI/2 BPSK	135	0	23.53	23.49	23.43	24.9	0.0	
100	PI/2 BPSK	135	69	23.63	23.77	23.61	24.9	0.0	
100	PI/2 BPSK	135	138	23.35	23.44	23.33			
100	PI/2 BPSK	270	0	23.48	23.54	23.51	24.9	0.0	
100	QPSK	1	1	22.89	22.92	22.87			
100	QPSK	1	137	23.67	23.75	23.72	24.9	0.0	
100	QPSK	1	271	22.90	22.92	22.87			
100	QPSK	135	0	23.42	23.46	23.40			
100	QPSK	135	69	23.61	23.65	23.66	24.9	0.0	
100	QPSK	135	138	23.32	23.34	23.34			
100	QPSK	270	0	23.45	23.45	23.41	24.9	0.0	
100	16QAM	1	1	22.89	23.01	22.86	24.9	0.0	
100	64QAM	1	1	22.19	22.25	22.16	23.9	1.0	
100	256QAM	1	1	21.09	21.19	21.19	21.9	3.0	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	22.90	22.97	22.92	24.9	0.0	
Channel				507204	518598	529998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	22.93	22.95	22.92	24.9	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	PI/2 BPSK	1	1	22.91	22.97	22.93	24.9	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	22.92	22.96	22.90	24.9	0.0	
Channel				504204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	22.91	22.94	22.93	24.9	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	22.90	22.93	22.94	24.9	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.99			
30	PI/2 BPSK	1	1	22.94	22.97	22.90	24.9	0.0	
Channel				501204	518598	535998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	22.90	22.97	22.92	24.9	0.0	



n77(Part 27Q)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		16.34		18.2	0.0	
100	PI/2 BPSK	1	137		17.26				
100	PI/2 BPSK	1	271		16.36		18.2	0.0	
100	PI/2 BPSK	135	0		16.96				
100	PI/2 BPSK	135	69		17.14		18.2	0.0	
100	PI/2 BPSK	135	138		16.92				
100	PI/2 BPSK	270	0		17.01		18.2	0.0	
100	QPSK	1	1		16.31				
100	QPSK	1	137		17.22		18.2	0.0	
100	QPSK	1	271		16.34				
100	QPSK	135	0		16.93		18.2	0.0	
100	QPSK	135	69		17.04				
100	QPSK	135	138		16.85		18.2	0.0	
100	QPSK	270	0		16.91				
100	16QAM	1	1		16.30		18.2	0.0	
100	64QAM	1	1		16.39		18.2	0.0	
100	256QAM	1	1		16.39		18.2	0.0	
Channel				633000	633334	633666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496	3500.01	3504.99			
90	PI/2 BPSK	1	1	16.25	16.33	16.26	18.2	0.0	
Channel				632666	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1	16.24	16.33	16.27	18.2	0.0	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1	16.27	16.32	16.26	18.2	0.0	
Channel				632000	633334	634666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	16.29	16.33	16.29	18.2	0.0	
Channel				631666	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	16.27	16.30	16.31	18.2	0.0	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	16.29	16.30	16.30	18.2	0.0	
Channel				631000	633334	635666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3531.69			
30	PI/2 BPSK	1	1	16.31	16.33	16.28	18.2	0.0	
Channel				630634	633334	635832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI/2 BPSK	1	1	16.30	16.30	16.26	18.2	0.0	
Channel				630666	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	16.29	16.32	16.29	18.2	0.0	
Channel				630500	633334	636166	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI/2 BPSK	1	1	16.32	16.30	16.27	18.2	0.0	
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI/2 BPSK	1	1	16.26	16.32	16.25	18.2	0.0	

n77(Part 27Q)_Ant 5(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	19.35			21.2	0.0	
100	PI/2 BPSK	1	137	20.26					
100	PI/2 BPSK	1	271	19.28			21.2	0.0	
100	PI/2 BPSK	135	0	19.95					
100	PI/2 BPSK	135	69	20.12			21.2	0.0	
100	PI/2 BPSK	135	138	19.96					
100	PI/2 BPSK	270	0	20.04			21.2	0.0	
100	QPSK	1	1	19.28					
100	QPSK	1	137	20.19			21.2	0.0	
100	QPSK	1	271	19.25					
100	QPSK	135	0	19.96			21.2	0.0	
100	QPSK	135	69	20.05					
100	QPSK	135	138	19.85			21.2	0.0	
100	QPSK	270	0	19.97					
100	16QAM	1	1	19.37			21.2	0.0	
100	64QAM	1	1	19.38			21.2	0.0	
100	256QAM	1	1	19.40			21.2	0.0	
Channel				633000	633334	633666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496	3500.01	3504.99			
90	PI/2 BPSK	1	1	19.31	19.31	19.29	21.2	0.0	
Channel				632666	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1	19.29	19.30	19.26	21.2	0.0	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1	19.29	19.32	19.30	21.2	0.0	
Channel				632000	633334	634666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	19.29	19.34	19.27	21.2	0.0	
Channel				631666	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	19.29	19.33	19.31	21.2	0.0	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	19.28	19.30	19.29	21.2	0.0	
Channel				631000	633334	635666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	19.27	19.34	19.26	21.2	0.0	
Channel				630634	633334	635832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI/2 BPSK	1	1	19.30	19.33	19.29	21.2	0.0	
Channel				630666	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	19.30	19.34	19.29	21.2	0.0	
Channel				630500	633334	636166	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI/2 BPSK	1	1	19.30	19.33	19.29	21.2	0.0	
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI/2 BPSK	1	1	19.30	19.34	19.27	21.2	0.0	



n77(Part 270)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				650000	660000	662000			
Channel									
Frequency (MHz)									
100	PI/2 BPSK	1	1	16.30	16.41	16.30	18.2	0.0	
100	PI/2 BPSK	1	137	17.29	17.32	17.22			
100	PI/2 BPSK	1	271	16.37	16.39	16.38			
100	PI/2 BPSK	135	0	16.92	17.02	16.86			
100	PI/2 BPSK	135	69	17.15	17.19	17.12	18.2	0.0	
100	PI/2 BPSK	135	138	16.97	17.10	16.90			
100	PI/2 BPSK	270	0	16.99	17.03	16.98			
100	QPSK	1	1	16.25	16.39	16.30			
100	QPSK	1	137	17.26	17.25	17.20	18.2	0.0	
100	QPSK	1	271	16.38	16.43	16.33			
100	QPSK	135	0	16.93	16.96	16.84			
100	QPSK	135	69	17.04	17.12	17.04			
100	QPSK	135	138	16.86	16.96	17.01	18.2	0.0	
100	QPSK	270	0	16.94	16.99	17.00			
100	16QAM	1	1	16.25	16.34	16.25			
100	64QAM	1	1	16.22	16.27	16.23			
100	256QAM	1	1	16.22	16.24	16.28	18.2	0.0	
Channel				649668	656000	662332			
Frequency (MHz)				3745.02	3840	3934.98			
90	PI/2 BPSK	1	1	16.27	16.39	16.29	18.2	0.0	
Channel				648334	656000	662666			
Frequency (MHz)				3740.01	3840	3939.99			
80	PI/2 BPSK	1	1	16.29	16.39	16.29			
Channel				648000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	PI/2 BPSK	1	1	16.27	16.37	16.28	18.2	0.0	
Channel				648668	656000	663332			
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1	16.27	16.37	16.26			
Channel				648334	656000	663666			
Frequency (MHz)				3725.01	3840	3954.99			
50	PI/2 BPSK	1	1	16.29	16.37	16.25	18.2	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	PI/2 BPSK	1	1	16.26	16.39	16.27			
Channel				647668	656000	664332			
Frequency (MHz)				3715.02	3840	3964.98			
30	PI/2 BPSK	1	1	16.25	16.36	16.29	18.2	0.0	
Channel				647500	656000	664500			
Frequency (MHz)				3712.5	3840	3967.5			
25	PI/2 BPSK	1	1	16.25	16.38	16.29			
Channel				647334	656000	664666			
Frequency (MHz)				3710.01	3840	3969.99			
20	PI/2 BPSK	1	1	16.29	16.36	16.26	18.2	0.0	
Channel				647168	656000	664832			
Frequency (MHz)				3707.52	3840	3972.48			
15	PI/2 BPSK	1	1	16.26	16.40	16.28			
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975			
10	PI/2 BPSK	1	1	16.27	16.36	16.26	18.2	0.0	

n77(Part 270)_Ant 5(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				650000	660000	662000			
Channel				3840	3840	3840			
Frequency (MHz)				19.29	19.34	19.28			
100	PI/2 BPSK	1	1	19.29	19.34	19.28	21.2	0.0	
100	PI/2 BPSK	1	137	20.29	20.32	20.26			
100	PI/2 BPSK	1	271	19.31	19.47	19.40			
100	PI/2 BPSK	135	0	19.91	20.01	19.88			
100	PI/2 BPSK	135	69	20.12	20.18	20.13	21.2	0.0	
100	PI/2 BPSK	135	138	19.96	20.02	19.95			
100	PI/2 BPSK	270	0	20.02	20.05	19.99			
100	QPSK	1	1	19.34	19.31	19.27			
100	QPSK	1	137	20.22	20.29	20.16	21.2	0.0	
100	QPSK	1	271	19.32	19.38	19.32			
100	QPSK	135	0	19.93	19.92	19.88			
100	QPSK	135	69	20.13	20.17	20.06			
100	QPSK	135	138	19.97	20.00	19.91	21.2	0.0	
100	QPSK	270	0	19.94	20.04	19.98			
100	16QAM	1	1	19.31	19.26	19.27			
100	64QAM	1	1	19.25	19.27	19.31			
100	256QAM	1	1	19.20	19.26	19.22	21.2	0.0	
Channel				649668	656000	662332			
Frequency (MHz)				3745.02	3840	3934.98			
90	PI/2 BPSK	1	1	19.25	19.32	19.25	21.2	0.0	
Channel				648334	656000	662666			
Frequency (MHz)				3740.01	3840	3939.99			
80	PI/2 BPSK	1	1	19.27	19.33	19.23			
Channel				648000	656000	663000	18.2	0.0	
Frequency (MHz)				3735	3840	3945			
70	PI/2 BPSK	1	1	19.24	19.30	19.25			
Channel				647668	656000	663332			
Frequency (MHz)				3730.02	3840	3949.98	18.2	0.0	
60	PI/2 BPSK	1	1	19.24	19.30	19.27			
Channel				648334	656000	663666			
Frequency (MHz)				3725.01	3840	3954.99			
50	PI/2 BPSK	1	1	19.27	19.33	19.26	21.2	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	PI/2 BPSK	1	1	19.25	19.29	19.25			
Channel				647668	656000	664332	18.2	0.0	
Frequency (MHz)				3715.02	3840	3954.98			
30	PI/2 BPSK	1	1	19.28	19.30	19.23			
Channel				647500	656000	664500			
Frequency (MHz)				3712.5	3840	3967.5	18.2	0.0	
25	PI/2 BPSK	1	1	19.27	19.31	19.26			
Channel				647334	656000	664666			
Frequency (MHz)				3710.01	3840	3969.99			
20	PI/2 BPSK	1	1	19.25	19.31	19.27	21.2	0.0	
Channel				647168	656000	664832			
Frequency (MHz)				3707.52	3840	3972.48			
15	PI/2 BPSK	1	1	19.27	19.29	19.25			
Channel				647000	656000	665000	18.2	0.0	
Frequency (MHz)				3705	3840	3975			
10	PI/2 BPSK	1	1	19.24	19.32	19.23			



Conducted Power for DSI 7

n2_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power	Power	Power		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	21.50	21.58	21.45	22.7	0.0
20	PI/2 BPSK	1	53	21.64	21.68	21.65		
20	PI/2 BPSK	1	104	21.42	21.47	21.50		
20	PI/2 BPSK	50	0	21.49	21.58	21.57	22.7	0.0
20	PI/2 BPSK	50	28	21.62	21.67	21.60	22.7	0.0
20	PI/2 BPSK	50	56	21.52	21.56	21.60	22.7	0.0
20	PI/2 BPSK	100	0	21.53	21.65	21.61	22.7	0.0
20	QPSK	1	1	21.44	21.53	21.50		
20	QPSK	1	53	21.57	21.63	21.52		
20	QPSK	1	104	21.49	21.55	21.54	22.7	0.0
20	QPSK	50	0	21.52	21.60	21.55		
20	QPSK	50	28	21.61	21.66	21.62		
20	QPSK	50	56	21.53	21.64	21.56	22.7	0.0
20	QPSK	100	0	21.63	21.63	21.54	22.7	0.0
20	16QAM	1	1	21.15	21.21	21.24	22.7	0.0
20	64QAM	1	1	21.23	21.30	21.23	22.2	0.5
20	256QAM	1	1	19.87	19.81	19.75	20.2	2.5
Channel				371500	376000	380500	11.2 dBm	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	limit	(dB)
15	PI/2 BPSK	1	1	21.43	21.57	21.35	22.7	0.0
Channel				371000	376000	381000	11.2 dBm	MPR (dB)
Frequency (MHz)				1855	1880	1905	limit	(dB)
10	PI/2 BPSK	1	1	21.40	21.56	21.41	22.7	0.0
Channel				370500	376000	381500	11.2 dBm	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5	limit	(dB)
5	PI/2 BPSK	1	1	21.47	21.53	21.38	22.7	0.0

n25_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				374000	376000	378000		
Channel				1870	1882.5	1895		
Frequency (MHz)								
40	PI/2 BPSK	1	1	21.47	21.55	21.44	22.7	0.0
40	PI/2 BPSK	1	168	22.00	22.05	22.00		
40	PI/2 BPSK	1	214	21.38	21.50	21.42		
40	PI/2 BPSK	108	0	21.88	21.93	21.90	22.7	0.0
40	PI/2 BPSK	108	54	22.03	22.04	21.91	22.7	0.0
40	PI/2 BPSK	108	108	21.79	21.82	21.78	22.7	0.0
40	PI/2 BPSK	216	0	21.85	21.94	21.93	22.7	0.0
40	QPSK	1	1	21.42	21.54	21.50		
40	QPSK	1	108	22.00	22.00	21.97		
40	QPSK	1	214	21.40	21.41	21.35	22.7	0.0
40	QPSK	108	0	21.88	21.97	21.91		
40	QPSK	108	54	21.95	21.99	21.88		
40	QPSK	108	108	21.84	21.92	21.86	22.7	0.0
40	QPSK	216	0	21.88	21.87	21.78	22.7	0.0
40	16QAM	1	1	21.18	21.26	21.19		
40	64QAM	1	1	21.25	21.27	21.27		
40	256QAM	1	1	19.84	19.96	19.87	19.8-sp	MPR (dB)
Channel				373000	376000	380000		
Frequency (MHz)				1865	1882.5	1900		
30	PI/2 BPSK	1	1	21.44	21.50	21.41	22.7	0.0
Channel				372500	376000	380500	19.8-sp	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	PI/2 BPSK	1	1	21.41	21.54	21.36		
Channel				372000	376000	381000	19.8-sp	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	PI/2 BPSK	1	1	21.41	21.50	21.41		
Channel				371500	376000	381500	19.8-sp	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	PI/2 BPSK	1	1	21.41	21.50	21.35		
Channel				371000	376000	382000	19.8-sp	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	PI/2 BPSK	1	1	21.43	21.52	21.37		
Channel				370500	376000	382500	19.8-sp	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	PI/2 BPSK	1	1	21.43	21.54	21.40		



n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.			
				346000	349000	352000			
Channel				1730	1745	1760			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	20.28	20.37	20.28	21.7	0.0	
40	PI/2 BPSK	1	108	20.97	20.98	20.94			
40	PI/2 BPSK	1	214	20.27	20.32	20.24			
40	PI/2 BPSK	108	0	20.79	20.87	20.69	21.7	0.0	
40	PI/2 BPSK	108	54	20.91	20.93	20.92	21.7	0.0	
40	PI/2 BPSK	108	108	20.65	20.70	20.60	21.7	0.0	
40	PI/2 BPSK	216	0	20.68	20.69	20.59			
40	QPSK	1	1	20.28	20.29	20.28			
40	QPSK	1	108	20.86	20.91	20.79	21.7	0.0	
40	QPSK	1	214	20.36	20.41	20.32	21.7	0.0	
40	QPSK	108	0	20.77	20.80	20.73			
40	QPSK	108	54	20.86	20.93	20.91			
40	QPSK	108	108	20.89	20.72	20.64	21.7	0.0	
40	QPSK	216	0	20.71	20.82	20.73			
40	16QAM	1	1	20.18	20.25	20.17	21.7	0.0	
40	64QAM	1	1	20.16	20.29	20.23	21.7	0.0	
40	256QAM	1	1	19.45	19.31	19.35	20.2	1.5	
Channel				345000	349000	353000	1730.5 limit (dBm)	MPR	(dB)
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	20.20	20.36	20.19	21.7	0.0	
Channel				344500	349000	353500	1722.5 limit (dBm)	MPR	(dB)
Frequency (MHz)				1722.5	1745	1767.5			
25	PI/2 BPSK	1	1	20.23	20.34	20.18	21.7	0.0	
Channel				344000	349000	354000	1720 limit (dBm)	MPR	(dB)
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	20.18	20.34	20.18	21.7	0.0	
Channel				343500	349000	354500	1717.5 limit (dBm)	MPR	(dB)
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	20.23	20.34	20.17	21.7	0.0	
Channel				343000	349000	355000	1715 limit (dBm)	MPR	(dB)
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	20.19	20.35	20.17	21.7	0.0	
Channel				342500	349000	355500	1712.5 limit (dBm)	MPR	(dB)
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	20.20	20.32	20.23	21.7	0.0	

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.			
				134600	136100	137600			
Channel				673	680.5	688			
Frequency (MHz)				23.95	24.04	23.98			
20	PI/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0	
20	PI/2 BPSK	1	53	24.10	24.21	24.15			
20	PI/2 BPSK	1	104	23.98	24.15	24.02			
20	PI/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5	
20	PI/2 BPSK	50	28	24.08	24.20	24.13	24.7	0.5	
20	PI/2 BPSK	50	56	23.55	23.66	23.73			
20	PI/2 BPSK	100	0	23.53	23.76	23.67			
20	QPSK	1	1	23.91	24.08	23.95	25.2	0.0	
20	QPSK	1	53	24.05	24.18	24.14			
20	QPSK	1	104	23.94	24.11	23.95			
20	QPSK	50	0	22.98	23.15	23.16	24.2	1.0	
20	QPSK	50	28	24.04	24.18	24.12	24.2	1.0	
20	QPSK	50	56	23.08	23.12	23.21			
20	QPSK	100	0	23.02	23.25	23.18			
20	16QAM	1	1	22.69	22.82	22.72	24.2	1.0	
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5	
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5	
Channel				134100	136100	138100	1376.5 limit (dbm)	MPR	(db)
Frequency (MHz)				670.5	680.5	690.5			
15	PI/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0	
Channel				133600	136100	138600	1374.5 limit (dbm)	MPR	(db)
Frequency (MHz)				668	680.5	693			
10	PI/2 BPSK	1	1	23.88	23.95	23.89	25.2	0.0	
Channel				133100	136100	139100	1372.5 limit (dbm)	MPR	(db)
Frequency (MHz)				665.5	680.5	695.5			
5	PI/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0	



n41_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low	Power Middle	Power High			
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.			
Channel				506202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.83	19.96	19.93			
100	PI/2 BPSK	1	137	20.60	20.70	20.57	21.4	0.0	
100	PI/2 BPSK	1	271	19.88	19.96	20.00			
100	PI/2 BPSK	136	0	20.42	20.40	20.36	21.4	0.0	
100	PI/2 BPSK	135	69	20.54	20.58	20.53	21.4	0.0	
100	PI/2 BPSK	135	138	20.23	20.33	20.19			
100	PI/2 BPSK	270	0	20.41	20.53	20.44	21.4	0.0	
100	QPSK	1	1	19.79	19.99	19.82			
100	QPSK	1	137	20.53	20.62	20.54	21.4	0.0	
100	QPSK	1	271	19.96	19.98	19.96			
100	QPSK	136	0	20.24	20.39	20.39			
100	QPSK	135	69	20.53	20.59	20.44	21.4	0.0	
100	QPSK	135	138	20.10	20.22	20.20			
100	QPSK	270	0	20.28	20.48	20.35	21.4	0.0	
100	16QAM	1	1	20.42	20.41	20.47	21.4	0.0	
100	64QAM	1	1	20.41	20.43	20.50	21.4	0.0	
100	256QAM	1	1	20.45	20.42	20.50	21.4	0.0	
Channel				506200	518598	528998	100% Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98		(db)	
90	PI/2 BPSK	1	1	19.82	19.94	19.88	21.4	0.0	
Channel				507204	518598	529998			MPR
Frequency (MHz)				2538.02	2592.99	2649.99			(db)
80	PI/2 BPSK	1	1	19.80	19.92	19.90	21.4	0.0	
Channel				506202	518598	531000	100% Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655		(db)	
70	PI/2 BPSK	1	1	19.80	19.95	19.90	21.4	0.0	
Channel				505200	518598	531998			MPR
Frequency (MHz)				2528	2592.99	2659.98			(db)
60	PI/2 BPSK	1	1	19.82	19.91	19.90	21.4	0.0	
Channel				504204	518598	532998	100% Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			(db)
50	PI/2 BPSK	1	1	19.78	19.94	19.88	21.4	0.0	
Channel				503202	518598	534000			MPR
Frequency (MHz)				2516.01	2592.99	2670			(db)
40	PI/2 BPSK	1	1	19.81	19.92	19.89	21.4	0.0	
Channel				502200	518598	534998	100% Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98			(db)
30	PI/2 BPSK	1	1	19.82	19.89	19.92	21.4	0.0	
Channel				501204	518598	535998			MPR
Frequency (MHz)				2506.02	2592.99	2679.99			(db)
20	PI/2 BPSK	1	1	19.79	19.94	19.88	21.4	0.0	

n41_Ant 0(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				Channel	506202	518598			
				Frequency (MHz)	2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.48	22.52	22.46			
100	PI/2 BPSK	1	137	23.19	23.25	23.17	24.4	0.0	
100	PI/2 BPSK	1	271	22.34	22.48	22.43			
100	PI/2 BPSK	136	0	23.01	22.97	22.91	24.4	0.0	
100	PI/2 BPSK	135	69	23.20	23.22	23.12	24.4	0.0	
100	PI/2 BPSK	135	138	22.91	22.94	22.83			
100	PI/2 BPSK	270	0	23.00	23.10	22.99	24.4	0.0	
100	QPSK	1	1	22.35	22.45	22.32			
100	QPSK	1	137	23.14	23.17	23.20	24.4	0.0	
100	QPSK	1	271	22.36	22.46	22.45			
100	QPSK	135	0	22.89	22.96	22.92			
100	QPSK	135	69	23.11	23.19	23.08	24.4	0.0	
100	QPSK	135	138	22.80	22.84	22.82			
100	QPSK	270	0	22.89	23.01	22.88	24.4	0.0	
100	16QAM	1	1	22.43	22.49	22.36	24.4	0.0	
100	64QAM	1	1	22.16	22.17	22.22	23.9	0.5	
100	256QAM	1	1	21.12	21.16	21.19	21.9	2.5	
				Channel	508200	518598	528998		
				Frequency (MHz)	2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	22.44	22.49	22.41	24.4	0.0	
				Channel	507204	518598	529998		
				Frequency (MHz)	2538.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	22.43	22.47	22.45	24.4	0.0	
				Channel	506202	518598	531000		
				Frequency (MHz)	2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	22.43	22.49	22.43	24.4	0.0	
				Channel	505200	518598	531998		
				Frequency (MHz)	2528	2592.99	2659.98		
60	PI/2 BPSK	1	1	22.43	22.47	22.44	24.4	0.0	
				Channel	504204	518598	532998		
				Frequency (MHz)	2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	22.45	22.48	22.44	24.4	0.0	
				Channel	503202	518598	534000		
				Frequency (MHz)	2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	22.47	22.48	22.41	24.4	0.0	
				Channel	502200	518598	534998		
				Frequency (MHz)	2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	22.43	22.50	22.45	24.4	0.0	
				Channel	501204	518598	535998		
				Frequency (MHz)	2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	22.44	22.50	22.44	24.4	0.0	



n77(Part 27Q)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Mid-Ch. / Freq.	Power High Ch. / Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		15.39		17.2	0.0	
100	PI/2 BPSK	1	137		15.21				
100	PI/2 BPSK	1	271		15.38				
100	PI/2 BPSK	136	0		15.96		17.2	0.0	
100	PI/2 BPSK	135	69		16.10		17.2	0.0	
100	PI/2 BPSK	135	138		15.93		17.2	0.0	
100	PI/2 BPSK	270	0		16.01				
100	QPSK	1	1		15.34				
100	QPSK	1	137		16.20		17.2	0.0	
100	QPSK	1	271		15.33				
100	QPSK	135	0		15.92				
100	QPSK	135	69		16.00		17.2	0.0	
100	QPSK	135	138		15.84				
100	QPSK	270	0		15.87				
100	16QAM	1	1		15.35		17.2	0.0	
100	64QAM	1	1		15.35		17.2	0.0	
100	256QAM	1	1		15.37		17.2	0.0	
Channel				633000	633334	633666	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3504.99	time-up limit (dbm)		
90	PI/2 BPSK	1	1		15.33	15.38	15.29	17.2	0.0
Channel				632666	633334	634000	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510	time-up limit (dbm)		
80	PI/2 BPSK	1	1		15.34	15.38	15.32	17.2	0.0
Channel				632334	633334	634332	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3514.98	time-up limit (dbm)		
70	PI/2 BPSK	1	1		15.34	15.34	15.35	17.2	0.0
Channel				632000	633334	634666	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3519.99	time-up limit (dbm)		
60	PI/2 BPSK	1	1		15.35	15.35	15.35	17.2	0.0
Channel				631666	633334	635000	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525	time-up limit (dbm)		
50	PI/2 BPSK	1	1		15.33	15.37	15.35	17.2	0.0
Channel				631334	633334	635332	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3529.98	time-up limit (dbm)		
40	PI/2 BPSK	1	1		15.37	15.35	15.34	17.2	0.0
Channel				631000	633334	635666	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3531.99	time-up limit (dbm)		
30	PI/2 BPSK	1	1		15.31	15.38	15.37	17.2	0.0
Channel				630834	633334	635832	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3462.51	3500.01	3537.48	time-up limit (dbm)		
25	PI/2 BPSK	1	1		15.32	15.34	15.35	17.2	0.0
Channel				630666	633334	636000	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540	time-up limit (dbm)		
20	PI/2 BPSK	1	1		15.31	15.36	15.33	17.2	0.0
Channel				630500	633334	636166	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.49	time-up limit (dbm)		
15	PI/2 BPSK	1	1		15.34	15.36	15.32	17.2	0.0
Channel				630334	633334	636332	time-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3544.98	time-up limit (dbm)		
10	PI/2 BPSK	1	1		15.37	15.38	15.29	17.2	0.0

n77(Part 27Q)_Ant 5(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		18.35		20.2	0.0	
100	PI/2 BPSK	1	137		19.24				
100	PI/2 BPSK	1	271		18.33				
100	PI/2 BPSK	136	0		18.95		20.2	0.0	
100	PI/2 BPSK	135	69		19.11		20.2	0.0	
100	PI/2 BPSK	135	138		18.91		20.2	0.0	
100	PI/2 BPSK	270	0		18.99				
100	QPSK	1	1		18.31				
100	QPSK	1	137		19.17		20.2	0.0	
100	QPSK	1	271		18.30				
100	QPSK	135	0		18.91				
100	QPSK	135	69		19.05		20.2	0.0	
100	QPSK	135	138		18.85				
100	QPSK	270	0		18.92				
100	16QAM	1	1		18.35		20.2	0.0	
100	64QAM	1	1		18.34		20.2	0.0	
100	256QAM	1	1		18.38		20.2	0.0	
Channel				633000	633334	633666	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	time-up limit (dBm)		
90	PI/2 BPSK	1	1		18.28	18.31	18.31	20.2	0.0
Channel				632666	633334	634000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	time-up limit (dBm)		
80	PI/2 BPSK	1	1		18.29	18.30	18.29	20.2	0.0
Channel				632334	633334	634332	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	time-up limit (dBm)		
70	PI/2 BPSK	1	1		18.27	18.30	18.25	20.2	0.0
Channel				632000	633334	634666	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	time-up limit (dBm)		
60	PI/2 BPSK	1	1		18.28	18.34	18.28	20.2	0.0
Channel				631666	633334	635000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	time-up limit (dBm)		
50	PI/2 BPSK	1	1		18.27	18.30	18.26	20.2	0.0
Channel				631334	633334	635332	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	time-up limit (dBm)		
40	PI/2 BPSK	1	1		18.31	18.30	18.32	20.2	0.0
Channel				631000	633334	635666	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3531.99	time-up limit (dBm)		
30	PI/2 BPSK	1	1		18.30	18.33	18.28	20.2	0.0
Channel				630834	633334	635832	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48	time-up limit (dBm)		
25	PI/2 BPSK	1	1		18.28	18.33	18.29	20.2	0.0
Channel				630666	633334	636000	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	time-up limit (dBm)		
20	PI/2 BPSK	1	1		18.28	18.31	18.26	20.2	0.0
Channel				630500	633334	636166	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	time-up limit (dBm)		
15	PI/2 BPSK	1	1		18.29	18.32	18.33	20.2	0.0
Channel				630334	633334	636332	time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	time-up limit (dBm)		
10	PI/2 BPSK	1	1		18.31	18.32	18.29	20.2	0.0



n77(Part 270)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				650000	660000	662000			
Channel				3750	3840	3930			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.32	15.34	15.33	17.2	0.0	
100	PI/2 BPSK	1	137	16.24	16.28	16.21			
100	PI/2 BPSK	1	271	15.35	15.38	15.38			
100	PI/2 BPSK	135	0	15.93	15.93	15.95			
100	PI/2 BPSK	135	69	16.13	16.26	16.19	17.2	0.0	
100	PI/2 BPSK	135	138	15.90	15.98	15.89	17.2	0.0	
100	PI/2 BPSK	270	0	16.01	16.09	16.03			
100	QPSK	1	1	15.30	15.33	15.34			
100	QPSK	1	137	16.25	16.27	16.18			
100	QPSK	1	271	15.30	15.37	15.34	17.2	0.0	
100	QPSK	135	0	15.95	15.98	15.91			
100	QPSK	135	69	16.14	16.18	16.06			
100	QPSK	135	138	15.90	16.01	15.96			
100	QPSK	270	0	15.95	15.97	15.99	17.2	0.0	
100	16QAM	1	1	15.22	15.33	15.33	17.2	0.0	
100	64QAM	1	1	15.20	15.33	15.25	17.2	0.0	
100	256QAM	1	1	15.25	15.32	15.30	17.2	0.0	
Channel				648668	650000	662332	limit (dBm)		
Frequency (MHz)				3745.02	3840	3934.98	limit (dB)		
90	PI/2 BPSK	1	1	15.29	15.33	15.29	17.2	0.0	
Channel				648334	650000	662666	limit (dBm)		
Frequency (MHz)				3740.01	3840	3939.99	limit (dB)		
80	PI/2 BPSK	1	1	15.31	15.29	15.29	17.2	0.0	
Channel				649000	650000	663000	limit (dBm)		
Frequency (MHz)				3735	3840	3945	limit (dB)		
70	PI/2 BPSK	1	1	15.30	15.30	15.28	17.2	0.0	
Channel				648668	650000	663332	limit (dBm)		
Frequency (MHz)				3730.02	3840	3949.98	limit (dB)		
60	PI/2 BPSK	1	1	15.31	15.29	15.28	17.2	0.0	
Channel				648334	650000	663666	limit (dBm)		
Frequency (MHz)				3725.01	3840	3954.99	limit (dB)		
50	PI/2 BPSK	1	1	15.29	15.33	15.28	17.2	0.0	
Channel				648000	650000	664000	limit (dBm)		
Frequency (MHz)				3720	3840	3960	limit (dB)		
40	PI/2 BPSK	1	1	15.28	15.33	15.30	17.2	0.0	
Channel				647668	650000	664332	limit (dBm)		
Frequency (MHz)				3715.02	3840	3964.98	limit (dB)		
30	PI/2 BPSK	1	1	15.29	15.33	15.29	17.2	0.0	
Channel				647500	650000	664500	limit (dBm)		
Frequency (MHz)				3712.5	3840	3967.5	limit (dB)		
25	PI/2 BPSK	1	1	15.30	15.32	15.30	17.2	0.0	
Channel				647334	650000	664666	limit (dBm)		
Frequency (MHz)				3710.01	3840	3969.99	limit (dB)		
20	PI/2 BPSK	1	1	15.31	15.31	15.28	17.2	0.0	
Channel				647168	650000	664832	limit (dBm)		
Frequency (MHz)				3707.52	3840	3972.48	limit (dB)		
15	PI/2 BPSK	1	1	15.30	15.30	15.32	17.2	0.0	
Channel				647000	650000	665000	limit (dBm)		
Frequency (MHz)				3705	3840	3975	limit (dB)		
10	PI/2 BPSK	1	1	15.30	15.33	15.29	17.2	0.0	

n77(Part 270)_Ant 5(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				650000	660000	662000			
Channel				3750	3840	3930			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.31	18.37	18.29	20.2	0.0	
100	PI/2 BPSK	1	137	19.26	19.30	19.24			
100	PI/2 BPSK	1	271	18.34	18.42	18.39			
100	PI/2 BPSK	135	0	18.92	18.98	18.91			
100	PI/2 BPSK	135	69	19.14	19.22	19.15	20.2	0.0	
100	PI/2 BPSK	135	138	18.95	19.01	18.92	20.2	0.0	
100	PI/2 BPSK	270	0	18.98	19.08	18.98			
100	QPSK	1	1	18.30	18.35	18.31			
100	QPSK	1	137	19.21	19.24	19.20			
100	QPSK	1	271	18.34	18.39	18.32	20.2	0.0	
100	QPSK	135	0	18.92	18.95	18.86			
100	QPSK	135	69	19.09	19.16	19.08			
100	QPSK	135	138	18.90	19.00	18.96			
100	QPSK	270	0	18.92	19.01	18.95	20.2	0.0	
100	16QAM	1	1	18.26	18.31	18.28	20.2	0.0	
100	64QAM	1	1	18.25	18.30	18.27	20.2	0.0	
100	256QAM	1	1	18.25	18.28	18.25	20.2	0.0	
Channel				649668	650000	662332	limit (dBm)		
Frequency (MHz)				3745.02	3840	3934.98	limit (dB)		
90	PI/2 BPSK	1	1	18.27	18.34	18.26	20.2	0.0	
Channel				648334	650000	662666	limit (dBm)		
Frequency (MHz)				3740.01	3840	3939.99 <th colspan="3">limit (dB)</th>	limit (dB)		
80	PI/2 BPSK	1	1	18.26	18.32	18.26	20.2	0.0	
Channel				649000	650000	663000	limit (dBm)		
Frequency (MHz)				3735	3840	3945	limit (dB)		
70	PI/2 BPSK	1	1	18.26	18.30	18.24	20.2	0.0	
Channel				648668	650000	663332	limit (dBm)		
Frequency (MHz)				3730.02	3840	3949.98	limit (dB)		
60	PI/2 BPSK	1	1	18.26	18.36	18.26	20.2	0.0	
Channel				648334	650000	663666	limit (dBm)		
Frequency (MHz)				3725.01	3840	3954.99	limit (dB)		
50	PI/2 BPSK	1	1	18.26	18.30	18.24	20.2	0.0	
Channel				648000	650000	664000	limit (dBm)		
Frequency (MHz)				3720	3840	3960	limit (dB)		
40	PI/2 BPSK	1	1	18.30	18.33	18.25	20.2	0.0	
Channel				647668	650000	664332	limit (dBm)		
Frequency (MHz)				3715.02	3840	3964.98	limit (dB)		
30	PI/2 BPSK	1	1	18.29	18.33	18.26	20.2	0.0	
Channel				647500	650000	664500	limit (dBm)		
Frequency (MHz)				3712.5	3840	3967.5	limit (dB)		
25	PI/2 BPSK	1	1	18.27	18.35	18.27	20.2	0.0	
Channel				647334	650000	664666	limit (dBm)		
Frequency (MHz)				3710.01	3840	3969.99	limit (dB)		
20	PI/2 BPSK	1	1	18.28	18.35	18.28	20.2	0.0	
Channel				647168	650000	664832	limit (dBm)		
Frequency (MHz)				3707.52	3840	3972.48	limit (dB)		
15	PI/2 BPSK	1	1	18.26	18.35	18.28	20.2	0.0	
Channel				647000	650000	665000	limit (dBm)		
Frequency (MHz)				3705	3840	3975	limit (dB)		
10	PI/2 BPSK	1	1	18.28	18.33	18.28	20.2	0.0	



Conducted Power for DSI 1

n2_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				372000	376000	380000		
Channel				1850	1880	1900	21.7	0.0
Frequency (MHz)				1850	1880	1900		
20	PI/2 BPSK	1	1	20.53	20.55	20.51		
20	PI/2 BPSK	1	53	20.58	20.59	20.60	21.7	0.0
20	PI/2 BPSK	1	104	20.54	20.57	20.47		
20	PI/2 BPSK	50	0	20.46	20.52	20.51		
20	PI/2 BPSK	50	28	20.57	20.67	20.58	21.7	0.0
20	PI/2 BPSK	50	56	20.60	20.66	20.52		
20	PI/2 BPSK	100	0	20.61	20.65	20.63		
20	QPSK	1	1	20.46	20.48	20.45	21.7	0.0
20	QPSK	1	53	20.64	20.61	20.51		
20	QPSK	1	104	20.46	20.52	20.48		
20	QPSK	50	0	20.50	20.57	20.58	21.7	0.0
20	QPSK	50	28	20.64	20.65	20.54		
20	QPSK	50	56	20.52	20.64	20.55		
20	QPSK	100	0	20.55	20.63	20.55	21.7	0.0
20	16QAM	1	1	20.13	20.19	20.16		
20	64QAM	1	1	20.17	20.24	20.16		
20	256QAM	1	1	19.83	19.85	19.81	20.2	1.5
Channel				371500	376000	380500	111.850 limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	185.0 limit (dBm)	MPR (dB)
15	PI/2 BPSK	1	1	20.43	20.52	20.44	21.7	0.0
Channel				371000	376000	381000	111.850 limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905	185.0 limit (dBm)	MPR (dB)
10	PI/2 BPSK	1	1	20.45	20.53	20.45	21.7	0.0
Channel				370500	376000	381500	111.850 limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5	185.0 limit (dBm)	MPR (dB)
5	PI/2 BPSK	1	1	20.49	20.50	20.41	21.7	0.0

n2_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				372000	376000	380000		
Channel				1860	1880	1900	22.7	0.0
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	21.38	21.41	21.25		
20	PI/2 BPSK	1	53	21.47	21.54	21.44	22.2	0.5
20	PI/2 BPSK	1	104	21.43	21.42	21.22		
20	PI/2 BPSK	50	0	21.46	21.46	21.38		
20	PI/2 BPSK	50	28	21.51	21.52	21.42	22.2	0.5
20	PI/2 BPSK	50	56	21.46	21.47	21.38		
20	PI/2 BPSK	100	0	21.48	21.51	21.45		
20	QPSK	1	1	21.43	21.46	21.28	22.7	0.0
20	QPSK	1	53	21.46	21.50	21.38		
20	QPSK	1	104	21.42	21.36	21.25		
5	QPSK	50	0	21.47	21.43	21.42	21.7	1.0
20	QPSK	50	28	21.51	21.52	21.41	22.7	0.0
20	QPSK	50	56	21.48	21.53	21.38		
20	QPSK	100	0	21.51	21.51	21.42		
20	16QAM	1	1	21.11	21.17	21.03	21.7	1.0
20	64QAM	1	1	19.69	19.71	19.58	20.2	2.5
20	256QAM	1	1	18.18	18.19	18.08	18.2	4.5
Channel				371000	376000	380500	111.850 limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1902.5	185.0 limit (dBm)	MPR (dB)
15	PI/2 BPSK	1	1	21.42	21.48	21.44	22.7	0.0
Channel				371000	376000	381000	111.850 limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1905	185.0 limit (dBm)	MPR (dB)
10	PI/2 BPSK	1	1	21.16	21.24	21.18	22.7	0.0
Channel				370500	376000	381500	111.850 limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1907.5	185.0 limit (dBm)	MPR (dB)
5	PI/2 BPSK	1	1	21.46	21.47	21.41	22.7	0.0



n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				374000	376500	379000			
			Channel	1870	1882.5	1895			
			Frequency (MHz)	1870	1882.5	1895			
40	PI/2 BPSK	1	1	20.48	20.48	20.52	21.7	0.0	
40	PI/2 BPSK	1	108	20.97	21.04	20.95			
40	PI/2 BPSK	1	214	20.36	20.50	20.42			
40	PI/2 BPSK	108	0	20.95	20.88	20.90	21.7	0.0	
40	PI/2 BPSK	108	54	20.90	21.00	20.95	21.7	0.0	
40	PI/2 BPSK	108	108	20.80	20.91	20.83	21.7	0.0	
40	PI/2 BPSK	216	0	20.67	20.90	20.86			
40	QPSK	1	1	20.45	20.50	20.44			
40	QPSK	1	108	20.84	21.02	20.96	21.7	0.0	
40	QPSK	1	214	20.32	20.51	20.37			
40	QPSK	108	0	20.85	20.87	20.85			
40	QPSK	108	54	20.81	20.93	20.96	21.7	0.0	
40	QPSK	108	108	20.81	20.88	20.75	21.7	0.0	
40	QPSK	216	0	20.86	20.87	20.85			
40	16QAM	1	1	20.20	20.25	20.28			
40	64QAM	1	1	20.27	20.31	20.29	21.7	0.0	
40	256QAM	1	1	19.14	19.25	19.29	20.2	1.5	
			Channel	373000	376500	380000	1870	1882.5	1895
			Frequency (MHz)	1870	1882.5	1900	limit (dBm)	limit (dBm)	limit (dBm)
30	PI/2 BPSK	1	1	20.39	20.43	20.49	21.7	0.0	
			Channel	372500	376500	380500	1870	1882.5	1895
			Frequency (MHz)	1862.5	1882.5	1902.5	limit (dBm)	limit (dBm)	limit (dBm)
25	PI/2 BPSK	1	1	20.38	20.45	20.46	21.7	0.0	
			Channel	372000	376500	381000	1870	1882.5	1895
			Frequency (MHz)	1860	1882.5	1905	limit (dBm)	limit (dBm)	limit (dBm)
20	PI/2 BPSK	1	1	20.44	20.47	20.46	21.7	0.0	
			Channel	371500	376500	381500	1870	1882.5	1895
			Frequency (MHz)	1857.5	1882.5	1907.5	limit (dBm)	limit (dBm)	limit (dBm)
15	PI/2 BPSK	1	1	20.45	20.43	20.45	21.7	0.0	
			Channel	371000	376500	382000	1870	1882.5	1895
			Frequency (MHz)	1855	1882.5	1910	limit (dBm)	limit (dBm)	limit (dBm)
10	PI/2 BPSK	1	1	20.38	20.43	20.48	21.7	0.0	
			Channel	370500	376500	382500	1870	1882.5	1895
			Frequency (MHz)	1852.5	1882.5	1912.5	limit (dBm)	limit (dBm)	limit (dBm)
5	PI/2 BPSK	1	1	20.40	20.47	20.46	21.7	0.0	

n25_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch / Freq.	Power Mode Ch / Freq.	Power High Ch / Freq.			
				374000	376500	379000			
Channel				1870	1882.5	1895			
Frequency (MHz)				1870	1882.5	1895			
40	PI/2 BPSK	1	1	21.31	21.36	21.38	22.7	0.0	
40	PI/2 BPSK	1	108	21.86	21.89	21.88			
40	PI/2 BPSK	1	214	21.29	21.31	21.35			
40	PI/2 BPSK	108	0	21.81	21.82	21.85	22.2	0.5	
40	PI/2 BPSK	108	54	21.85	21.88	21.87	22.2	0.0	
40	PI/2 BPSK	108	108	21.82	21.72	21.71			
40	PI/2 BPSK	216	0	21.76	21.79	21.75			
40	QPSK	1	1	21.28	21.34	21.32	22.7	0.0	
40	QPSK	1	108	21.84	21.88	21.87			
40	QPSK	1	214	21.35	21.33	21.31			
40	QPSK	108	0	21.28	21.30	21.28	21.7	1.0	
40	QPSK	108	54	21.83	21.87	21.86	21.7	1.0	
40	QPSK	108	108	21.28	21.24	21.22			
40	QPSK	216	0	21.30	21.25	21.22			
40	16QAM	1	1	20.57	20.61	20.60	21.7	1.0	
40	64QAM	1	1	19.13	19.19	19.17	20.2	2.5	
40	256QAM	1	1	17.71	17.79	17.76	18.2	4.5	
Channel				373000	376500	380000	1870	1882.5	1895
Frequency (MHz)				1865	1882.5	1900	limit (dbm)	limit (dbm)	limit (dbm)
30	PI/2 BPSK	1	1	21.53	21.55	21.49	22.7	0.0	
Channel				372500	376500	380500	limit (dbm)	limit (dbm)	limit (dbm)
Frequency (MHz)				1862.5	1882.5	1902.5	limit (dbm)	limit (dbm)	limit (dbm)
25	PI/2 BPSK	1	1	21.69	21.74	21.72	22.7	0.0	
Channel				372000	376500	381000	limit (dbm)	limit (dbm)	limit (dbm)
Frequency (MHz)				1860	1882.5	1905	limit (dbm)	limit (dbm)	limit (dbm)
20	PI/2 BPSK	1	1	21.78	21.85	21.80	22.7	0.0	
Channel				371500	376500	381500	limit (dbm)	limit (dbm)	limit (dbm)
Frequency (MHz)				1857.5	1882.5	1907.5	limit (dbm)	limit (dbm)	limit (dbm)
15	PI/2 BPSK	1	1	21.79	21.86	21.80	22.7	0.0	
Channel				371000	376500	382000	limit (dbm)	limit (dbm)	limit (dbm)
Frequency (MHz)				1855	1882.5	1910	limit (dbm)	limit (dbm)	limit (dbm)
10	PI/2 BPSK	1	1	21.75	21.81	21.76	22.7	0.0	
Channel				370500	376500	382500	limit (dbm)	limit (dbm)	limit (dbm)
Frequency (MHz)				1852.5	1882.5	1912.5	limit (dbm)	limit (dbm)	limit (dbm)
5	PI/2 BPSK	1	1	21.81	21.86	21.82	22.7	0.0	



n66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				346000	349000	352000			
Channel				1730	1745	1760			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	21.81	21.89	21.85	23.2	0.0	
40	PI/2 BPSK	1	108	22.30	22.30	22.31			
40	PI/2 BPSK	1	214	21.74	21.84	21.89			
40	PI/2 BPSK	108	0	22.02	22.15	22.08	23.2	0.0	
40	PI/2 BPSK	108	54	22.23	22.38	22.27	23.2	0.0	
40	PI/2 BPSK	108	108	21.96	22.01	21.95	23.2	0.0	
40	PI/2 BPSK	216	0	21.99	22.02	21.99			
40	QPSK	1	1	21.73	21.84	21.84			
40	QPSK	1	108	22.29	22.37	22.23	23.2	0.0	
40	QPSK	1	214	21.68	21.77	21.74	23.2	0.0	
40	QPSK	108	0	22.10	22.16	22.01			
40	QPSK	108	54	22.26	22.34	22.19			
40	QPSK	108	108	21.97	22.06	22.00	23.2	0.0	
40	QPSK	216	0	21.98	22.03	22.03			
40	16QAM	1	1	21.52	21.67	21.60			
40	64QAM	1	1	20.55	20.48	20.53	23.2	1.0	
40	256QAM	1	1	19.25	19.18	19.10	20.2	3.0	
Channel				345000	349000	353000	1725 limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	21.73	21.84	21.77	23.2	0.0	
Channel				344500	349000	353500	1725 limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5			
25	PI/2 BPSK	1	1	21.74	21.84	21.80	23.2	0.0	
Channel				344000	349000	354000	1725 limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	21.75	21.88	21.79	23.2	0.0	
Channel				343500	349000	354500	1717.5 limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	21.78	21.84	21.79	23.2	0.0	
Channel				343000	349000	355000	1715 limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	21.75	21.87	21.75	23.2	0.0	
Channel				342500	349000	355500	1712.5 limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	21.77	21.85	21.81	23.2	0.0	

n71_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				134600	136100	137600			
Channel				673	680.5	688			
Frequency (MHz)				673	680.5	688			
20	PI/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0	
20	PI/2 BPSK	1	53	24.14	24.19	24.16			
20	PI/2 BPSK	1	104	23.99	24.08	24.02			
20	PI/2 BPSK	50	0	23.58	23.68	23.67	24.7	0.5	
20	PI/2 BPSK	50	28	24.13	24.18	24.15	25.2	0.0	
20	PI/2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5	
20	PI/2 BPSK	100	0	23.61	23.77	23.70			
20	QPSK	1	1	23.99	24.07	24.01			
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0	
20	QPSK	1	104	23.97	24.02	23.95	24.2	1.0	
20	QPSK	50	0	23.08	23.14	23.16			
20	QPSK	50	28	24.12	24.16	24.14			
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0	
20	QPSK	100	0	23.08	23.25	23.18			
20	16QAM	1	1	22.74	22.86	22.75	24.2	1.0	
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5	
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5	
Channel				134100	136100	138100	1376 limit (dBm)	MPR	
Frequency (MHz)				670.5	680.5	690.5			
15	PI/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0	
Channel				133600	136100	138600	1376 limit (dBm)	MPR	
Frequency (MHz)				668	680.5	693			
10	PI/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0	
Channel				133100	136100	139100	1376 limit (dBm)	MPR	
Frequency (MHz)				665.5	680.5	695.5			
5	PI/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0	

n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.			
				Channel	508200	518598			
				2548.01	2592.99	2640			
100	Pi2 BPSK	1	1	16.10	16.10	16.05	17.4	0.0	
100	Pi2 BPSK	1	137	16.84	16.91	16.78			
100	Pi2 BPSK	1	271	16.01	16.04	16.02			
100	Pi2 BPSK	135	0	16.67	16.67	16.69	17.4	0.0	
100	Pi2 BPSK	135	69	16.79	16.86	16.75	17.4	0.0	
100	Pi2 BPSK	135	138	16.52	16.67	16.52	17.4	0.0	
100	Pi2 BPSK	270	0	16.68	16.67	16.87			
100	QPSK	1	1	16.03	16.11	15.96			
100	QPSK	1	137	16.78	16.76	16.69	17.4	0.0	
100	QPSK	1	271	15.99	16.01	16.02			
100	QPSK	135	0	16.67	16.67	16.55			
100	QPSK	135	69	16.80	16.76	16.74	17.4	0.0	
100	QPSK	135	138	16.54	16.69	16.52			
100	QPSK	270	0	16.53	16.64	16.52			
100	16QAM	1	1	16.00	16.07	16.09	17.4	0.0	
100	64QAM	1	1	16.06	16.05	16.09	17.4	0.0	
100	256QAM	1	1	16.57	16.54	16.51	17.4	0.0	
Channel				508200	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pi2 BPSK	1	1	16.06	16.06	16.04	17.4	0.0	
Channel				507204	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pi2 BPSK	1	1	16.06	16.03	16.00	17.4	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	Pi2 BPSK	1	1	16.05	16.04	16.03	17.4	0.0	
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pi2 BPSK	1	1	16.09	16.09	16.00	17.4	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pi2 BPSK	1	1	16.05	16.06	16.02	17.4	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2516.01	2592.99	2670			
40	Pi2 BPSK	1	1	16.05	16.05	16.02	17.4	0.0	
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pi2 BPSK	1	1	16.07	16.04	16.00	17.4	0.0	
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pi2 BPSK	1	1	16.06	16.03	16.04	17.4	0.0	

n41_Ant 1(HPUe)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
				Channel					
				508202	518598	528000			
				Frequency (MHz)	2546.01	2592.99	2640		
100	Pi2 BPSK	1	1	18.57	18.59	18.49			
100	Pi2 BPSK	1	137	19.33	19.41	19.29	20.4	0.0	
100	Pi2 BPSK	1	271	19.57	18.55	18.58			
100	Pi2 BPSK	135	0	19.16	19.25	19.24	20.4	0.0	
100	Pi2 BPSK	135	69	19.27	19.36	19.20	20.4	0.0	
100	Pi2 BPSK	135	138	19.01	19.12	18.98			
100	Pi2 BPSK	270	0	19.15	19.19	19.11			
100	QPSK	1	1	18.47	18.62	18.58			
100	QPSK	1	137	19.30	19.28	19.20	20.4	0.0	
100	QPSK	1	271	18.52	18.51	18.55			
100	QPSK	135	0	19.15	19.12	19.10			
100	QPSK	135	69	19.26	19.26	19.21	20.4	0.0	
100	QPSK	135	138	19.06	19.09	18.99			
100	QPSK	270	0	19.04	19.15	19.02	20.4	0.0	
100	16QAM	1	1	18.57	18.59	18.54	20.4	0.0	
100	64QAM	1	1	18.57	18.56	18.57	20.4	0.0	
100	256QAM	1	1	19.07	19.03	19.01	20.4	0.0	
Channel				508200	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pi2 BPSK	1	1	18.52	18.58	18.47	20.4	0.0	
Channel				507204	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pi2 BPSK	1	1	18.56	18.55	18.47	20.4	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	Pi2 BPSK	1	1	18.55	18.58	18.47	20.4	0.0	
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pi2 BPSK	1	1	18.55	18.58	18.46	20.4	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pi2 BPSK	1	1	18.52	18.56	18.44	20.4	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2516.01	2592.99	2670			
40	Pi2 BPSK	1	1	18.53	18.58	18.47	20.4	0.0	
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pi2 BPSK	1	1	18.52	18.55	18.48	20.4	0.0	
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pi2 BPSK	1	1	18.54	18.54	18.44	20.4	0.0	

n41_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				508202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	14.69	14.52	14.51	16.2	0.0	
100	Pi2 BPSK	1	137	15.12	15.33	14.62			
100	Pi2 BPSK	1	271	14.53	14.62	14.68			
100	Pi2 BPSK	135	0	15.02	15.11	15.00	16.2	0.0	
100	Pi2 BPSK	135	69	15.23	15.30	14.84	16.2	0.0	
100	Pi2 BPSK	135	138	15.11	15.28	15.06	16.2	0.0	
100	Pi2 BPSK	270	0	15.15	15.21	15.11			
100	QPSK	1	1	14.26	14.21	14.21			
100	QPSK	1	137	14.66	14.95	14.29	16.2	0.0	
100	QPSK	1	271	14.33	14.23	14.41			
100	QPSK	135	0	14.62	14.75	14.52			
100	QPSK	135	69	14.96	14.95	14.25	16.2	0.0	
100	QPSK	135	138	14.76	14.71	14.99			
100	QPSK	270	0	14.71	14.74	14.82			
100	16QAM	1	1	13.93	13.86	14.12	15.2	1.0	
100	64QAM	1	1	13.93	13.97	14.17	15.2	1.0	
100	256QAM	1	1	13.43	13.48	13.81	14.7	1.5	
Channel				508200	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pi2 BPSK	1	1	14.44	14.47	14.27	16.2	0.0	
Channel				507204	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pi2 BPSK	1	1	14.46	14.48	14.39	16.2	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	Pi2 BPSK	1	1	14.43	14.48	14.20	16.2	0.0	
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pi2 BPSK	1	1	14.61	14.71	14.36	16.2	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2512.02	2592.99	2664.99			
50	Pi2 BPSK	1	1	14.60	14.57	14.35	16.2	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2507.01	2592.99	2670			
40	Pi2 BPSK	1	1	14.81	14.67	14.53	16.2	0.0	
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pi2 BPSK	1	1	14.50	14.60	14.35	16.2	0.0	
Channel				501200	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pi2 BPSK	1	1	14.57	14.74	14.44	16.2	0.0	



n41_Ant 3(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.			
Channel				50202	51898	52800			
Frequency (MHz)				2546.01	2592.99	2640			
100	PQ2 BPSK	1	1	17.30	17.30	17.53			
100	PQ2 BPSK	1	137	17.78	18.12	17.41	19.2	0.0	
100	PQ2 BPSK	1	271	17.29	17.33	17.51			
100	PQ2 BPSK	135	0	17.70	17.71	17.22	18.7	0.5	
100	12	135	66	17.52	18.02	17.41	19.2	0.0	
100	PQ2 BPSK	135	138	17.88	17.31	17.84			
100	PQ2 BPSK	270	0	17.59	17.68	17.56	18.7	0.5	
100	QPSK	1	1	17.21	17.23	17.41			
100	QPSK	1	137	17.39	18.11	17.41	19.2	0.0	
100	QPSK	1	271	17.25	17.29	17.43			
100	QPSK	135	0	17.24	17.26	17.71			
100	QPSK	135	69	17.57	17.62	17.41	19.2	0.0	
100	QPSK	135	138	17.34	17.28	17.72			
100	QPSK	270	0	17.23	17.31	17.42	18.2	1.0	
100	16QAM	1	1	18.20	18.22	18.67	18.2	1.0	
100	64QAM	1	1	18.70	18.83	18.18	18.7	2.5	
100	256QAM	1	1	13.78	13.82	14.11	14.7	4.5	
Channel				50200	51898	52896	turn-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	PQ2 BPSK	1	1	17.21	17.33	17.28	19.2	0.0	
Channel				50204	51898	52996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	limit (dB)		
80	PQ2 BPSK	1	1	17.25	17.29	17.23	19.2	0.0	
Channel				506202	51898	531000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2645	(dB)		
70	PQ2 BPSK	1	1	17.23	17.29	17.21	19.2	0.0	
Channel				505200	51898	531996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	PQ2 BPSK	1	1	17.29	17.27	17.23	19.2	0.0	
Channel				504204	51898	532996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	limit (dB)		
50	PQ2 BPSK	1	1	17.32	17.29	17.22	19.2	0.0	
Channel				503202	51898	534000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	PQ2 BPSK	1	1	17.20	17.27	17.26	19.2	0.0	
Channel				502200	51898	534996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	PQ2 BPSK	1	1	17.21	17.27	17.27	19.2	0.0	
Channel				50204	51898	532996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	limit (dB)		
20	PQ2 BPSK	1	1	17.20	17.22	17.21	19.2	0.0	

n41_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				506202	518986	528000			
Frequency (MHz)				2544.01	2592.99	2640			
100	PQ2 BPSK	1	1	17.40	17.50	17.31			
100	PQ2 BPSK	1	137	18.24	18.30	17.83	19.2		0.0
100	PQ2 BPSK	1	271	17.25	17.32	17.32			
100	PQ2 BPSK	135	0	17.85	17.96	17.51	19.2		0.0
100	PQ2 BPSK	135	69	18.14	18.24	17.94	19.2		0.0
100	PQ2 BPSK	135	138	17.71	17.78	17.72	19.2		0.0
100	PQ2 BPSK	270	0	17.87	17.99	17.61			
100	QPSK	1	1	17.35	17.40	17.39			
100	QPSK	1	137	18.15	18.18	17.84	19.2		0.0
100	QPSK	1	271	17.24	17.23	17.30			
100	QPSK	135	0	17.86	17.92	17.84			
100	QPSK	135	69	18.12	18.16	17.74	19.2		0.0
100	QPSK	135	138	17.64	17.73	17.73			
100	QPSK	270	0	17.82	17.83	17.49	19.2		0.0
100	16QAM	1	1	18.23	17.97	18.06	19.2		0.0
100	64QAM	1	1	18.20	18.13	18.11	19.2		0.0
100	256QAM	1	1	18.13	18.02	17.95	18.7		0.5
Channel				508200	518986	531996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	PQ2 BPSK	1	1	17.39	17.45	17.30	19.2		0.0
Channel				507204	518986	529996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	limit (dB)		
80	PQ2 BPSK	1	1	17.36	17.46	17.29	19.2		0.0
Channel				506202	518986	531000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2645	(dB)		
70	PQ2 BPSK	1	1	17.35	17.48	17.30	19.2		0.0
Channel				505200	518986	531996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	PQ2 BPSK	1	1	17.38	17.45	17.27	19.2		0.0
Channel				504204	518986	532996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	limit (dB)		
50	PQ2 BPSK	1	1	17.39	17.48	17.28	19.2		0.0
Channel				503202	518986	534000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	PQ2 BPSK	1	1	17.33	17.46	17.27	19.2		0.0
Channel				502200	518986	534996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	PQ2 BPSK	1	1	17.37	17.46	17.28	19.2		0.0
Channel				501204	518986	532996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	limit (dB)		
20	PQ2 BPSK	1	1	17.39	17.46	17.28	19.2		0.0

n41_Ant 4 (HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.			
Channel				506202	518986	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PQ2 BPSK	1	1	20.33	20.41	20.32			
100	PQ2 BPSK	1	137	21.32	21.39	21.00	22.2	0.0	
100	PQ2 BPSK	1	271	20.29	20.25	20.29			
100	PQ2 BPSK	135	0	21.01	21.01	21.04	22.2	0.0	
100	PQ2 BPSK	135	69	21.21	21.33	20.98	22.2	0.0	
100	PQ2 BPSK	135	138	20.79	20.92	20.85			
100	PQ2 BPSK	270	0	21.02	21.09	20.85	22.2	0.0	
100	QPSK	1	1	20.43	20.41	20.41			
100	QPSK	1	137	21.25	21.34	20.95	22.2	0.0	
100	QPSK	1	271	20.25	20.27	20.32			
100	QPSK	135	0	20.92	21.00	21.00			
100	QPSK	135	69	21.24	21.20	20.90	22.2	0.0	
100	QPSK	135	138	20.72	20.84	20.80			
100	QPSK	270	0	20.86	20.98	20.85	22.2	0.0	
100	16QAM	1	1	20.31	20.33	20.34	22.2	0.0	
100	64QAM	1	1	19.18	19.24	19.19	20.7	1.5	
100	256QAM	1	1	18.11	18.12	18.08	18.7	3.5	
Channel				508200	518986	528996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	PQ2 BPSK	1	1	20.29	20.37	20.27	22.2	0.0	
Channel				507204	518986	529996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)		
80	PQ2 BPSK	1	1	20.30	20.39	20.27	22.2	0.0	
Channel				506202	518986	531000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2645	(dB)		
70	PQ2 BPSK	1	1	20.28	20.39	20.31	22.2	0.0	
Channel				505200	518986	531996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	PQ2 BPSK	1	1	20.28	20.38	20.28	22.2	0.0	
Channel				504204	518986	532996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)		
50	PQ2 BPSK	1	1	20.28	20.39	20.28	22.2	0.0	
Channel				503202	518986	534000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	PQ2 BPSK	1	1	20.23	20.38	20.30	22.2	0.0	
Channel				502200	518986	534996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	PQ2 BPSK	1	1	20.30	20.37	20.30	22.2	0.0	
Channel				501204	518986	532996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)		
20	PQ2 BPSK	1	1	20.28	20.37	20.29	22.2	0.0	

n77(Part 27Q)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		10.04		11.2	0.0	
100	Pi2 BPSK	1	137		10.07				
100	Pi2 BPSK	1	271		9.91		11.2	0.0	
100	Pi2 BPSK	135	0		10.47				
100	Pi2 BPSK	135	69		10.63		11.2	0.0	
100	Pi2 BPSK	135	138		10.46				
100	Pi2 BPSK	270	0		10.44		11.2	0.0	
100	QPSK	1	1		10.05				
100	QPSK	1	137		10.56		11.2	0.0	
100	QPSK	1	271		9.84				
100	QPSK	135	0		10.48		11.2	0.0	
100	QPSK	135	69		10.54				
100	QPSK	135	138		10.36		11.2	0.0	
100	QPSK	270	0		10.46				
100	16QAM	1	1		9.77		11.2	0.0	
100	64QAM	1	1		9.82				
100	256QAM	1	1		10.38		11.2	0.0	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	Pi2 BPSK	1	1		10.00	9.98	10.00	11.2	0.0
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510 <th></th> <th></th> <th></th>			
80	Pi2 BPSK	1	1		9.96	10.00	9.97	11.2	0.0
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.51 <th>3500.01</th> <th>3514.98<th></th><th></th><th></th></th>	3500.01	3514.98 <th></th> <th></th> <th></th>			
70	Pi2 BPSK	1	1		9.98	9.98	9.99	11.2	0.0
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480 <th>3500.01</th> <th>3519.99<th></th><th></th><th></th></th>	3500.01	3519.99 <th></th> <th></th> <th></th>			
60	Pi2 BPSK	1	1		9.98	10.02	9.99	11.2	0.0
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02 <th>3500.01</th> <th>3525<th></th><th></th><th></th></th>	3500.01	3525 <th></th> <th></th> <th></th>			
50	Pi2 BPSK	1	1		9.97	10.03	9.97	11.2	0.0
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01 <th>3500.01</th> <th>3528.99<th></th><th></th><th></th></th>	3500.01	3528.99 <th></th> <th></th> <th></th>			
40	Pi2 BPSK	1	1		9.95	9.98	9.97	11.2	0.0
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465 <th>3500.01</th> <th>3534.99<th></th><th></th><th></th></th>	3500.01	3534.99 <th></th> <th></th> <th></th>			
30	Pi2 BPSK	1	1		9.96	10.00	9.96	11.2	0.0
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02 <th>3500.01</th> <th>3539.98<th></th><th></th><th></th></th>	3500.01	3539.98 <th></th> <th></th> <th></th>			
25	Pi2 BPSK	1	1		10.00	10.03	9.98	11.2	0.0
Channel				630334	633334	636300	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01 <th>3500.01</th> <th>3540<th></th><th></th><th></th></th>	3500.01	3540 <th></th> <th></th> <th></th>			
20	Pi2 BPSK	1	1		9.95	10.02	9.95	11.2	0.0
Channel				630000	633334	636668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.5 <th>3500.01</th> <th>3542.49<th></th><th></th><th></th></th>	3500.01	3542.49 <th></th> <th></th> <th></th>			
15	Pi2 BPSK	1	1		9.97	10.01	9.98	11.2	0.0
Channel				630334	633334	636992	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01 <th>3500.01</th> <th>3544.98<th></th><th></th><th></th></th>	3500.01	3544.98 <th></th> <th></th> <th></th>			
10	Pi2 BPSK	1	1		9.96	9.98	9.97	11.2	0.0

n77(Part 27Q)_Ant 3(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				3500.01					
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		13.02		14.2	0.0	
100	Pi2 BPSK	1	137		13.06				
100	Pi2 BPSK	1	271		12.91		14.2	0.0	
100	Pi2 BPSK	135	0		13.51				
100	Pi2 BPSK	135	69		13.00		14.2	0.0	
100	Pi2 BPSK	135	138		13.45				
100	Pi2 BPSK	270	0		13.46		14.2	0.0	
100	QPSK	1	1		13.00				
100	QPSK	1	137		13.60		14.2	0.0	
100	QPSK	1	271		12.88				
100	QPSK	135	0		13.45		14.2	0.0	
100	QPSK	135	69		13.53				
100	QPSK	135	138		13.41		14.2	0.0	
100	QPSK	270	0		13.42				
100	16QAM	1	1		12.77		14.2	0.0	
100	64QAM	1	1		12.82				
100	256QAM	1	1		13.35		14.2	0.0	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	Pi2 BPSK	1	1		12.92	13.01	12.95	14.2	0.0
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	Pi2 BPSK	1	1		12.96	13.00	12.99	14.2	0.0
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	Pi2 BPSK	1	1		12.95	12.85	12.99	14.2	0.0
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	Pi2 BPSK	1	1		12.96	12.99	12.93	14.2	0.0
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	Pi2 BPSK	1	1		13.00	12.95	12.96	14.2	0.0
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.99			
40	Pi2 BPSK	1	1		12.98	12.98	12.96	14.2	0.0
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	Pi2 BPSK	1	1		12.99	12.95	12.97	14.2	0.0
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3539.98			
25	Pi2 BPSK	1	1		12.94	12.98	12.92	14.2	0.0
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
20	Pi2 BPSK	1	1		12.94	12.98	12.95	14.2	0.0
Channel				630000	633334	636668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.5	3500.01	3549.49			
15	Pi2 BPSK	1	1		12.94	12.96	12.95	14.2	0.0
Channel				630334	633334	636992	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	Pi2 BPSK	1	1		12.93	13.01	12.97	14.2	0.0

n77(Part 27Q)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				650000	650000	650000			
Frequency (MHz)				3705	3840	3930			
100	Pi2 BPSK	1	1	9.37	9.43	9.33	11.2	0.0	
100	Pi2 BPSK	1	137	10.11	10.17	9.96			
100	Pi2 BPSK	1	271	9.28	9.34	9.20	11.2	0.0	
100	Pi2 BPSK	135	0	9.98	9.99	9.91			
100	Pi2 BPSK	135	69	10.07	10.11	9.82	11.2	0.0	
100	Pi2 BPSK	135	138	9.89	10.00	9.93			
100	Pi2 BPSK	270	0	9.95	9.97	9.76	11.2	0.0	
100	QPSK	1	1	9.27	9.32	9.25			
100	QPSK	1	137	10.01	10.06	9.90	11.2	0.0	
100	QPSK	1	271	9.31	9.36	9.25			
100	QPSK	135	0	9.87	9.96	9.90	11.2	0.0	
100	QPSK	135	69	9.92	10.08	9.82			
100	QPSK	135	138	9.82	9.91	9.86	11.2	0.0	
100	QPSK	270	0	9.79	9.89	9.66			
100	16QAM	1	1	9.28	9.35	9.29	11.2	0.0	
100	84QAM	1	1	9.33	9.31	9.29			
100	256QAM	1	1	9.60	9.72	9.70	11.2	0.0	
Channel				646968	650000	662332			
Frequency (MHz)				3744.50	3840	394.58			
90	Pi2 BPSK	1	1	9.35	9.39	9.31	11.2	0.0	
Channel				646334	650000	662696			
Frequency (MHz)				3740.01	3840	393.99			
80	Pi2 BPSK	1	1	9.34	9.39	9.30	11.2	0.0	
Channel				646000	650000	662000			
Frequency (MHz)				3735 <th>3840</th> <th>3945<th></th><th></th><th></th></th>	3840	3945 <th></th> <th></th> <th></th>			
70	Pi2 BPSK	1	1	9.33	9.39	9.32	11.2	0.0	
Channel				646668	650000	663332 <th>Turn-up limit (dB)</th> <th>MPR (dB)</th> <th></th>			
Frequency (MHz)				3740 <th>3840</th> <th>394.58<th></th><th></th><th></th></th>	3840	394.58 <th></th> <th></th> <th></th>			
60	Pi2 BPSK	1	1	9.33	9.42	9.30	11.2	0.0	
Channel				646334	650000	663698 <th>Turn-up limit (dB)</th> <th>MPR (dB)</th> <th></th>			
Frequency (MHz)				3725.01	3840	3954.99 <th></th> <th></th> <th></th>			
50	Pi2 BPSK	1	1	9.32	9.37	9.28	11.2	0.0	
Channel				646000	650000	664000 <th>Turn-up limit (dB)</th> <th>MPR (dB)</th> <th></th>			
Frequency (MHz)				3720 <th>3840</th> <th>3960<th></th><th></th><th></th></th>	3840	3960 <th></th> <th></th> <th></th>			
40	Pi2 BPSK	1	1	9.33	9.37	9.28	11.2	0.0	
Channel				647668	650000	664332 <th>Turn-up limit (dB)</th> <th>MPR (dB)</th> <th></th>			
Frequency (MHz)				3715.02 <th>3840</th> <th>394.58<th></th><th></th><th></th></th>	3840	394.58 <th></th> <th></th> <th></th>			
30	Pi2 BPSK	1	1	9.38	9.40	9.32	11.2	0.0	
Channel				647500	650000	664500 <th>Turn-up limit (dB)</th> <th>MPR (dB)</th> <th></th>			
Frequency (MHz)				3712.5 <th>3840</th> <th>397.5<th></th><th></th><th></th></th>	3840	397.5 <th></th> <th></th> <th></th>			
25	Pi2 BPSK	1	1	9.35	9.41	9.32	11.2	0.0	
Channel				647334	650000	664668 <th>Turn-up limit (dB)</th> <th>MPR (dB)</th> <th></th>			
Frequency (MHz)				3710 <th>3840</th> <th>399.59<th></th><th></th><th></th></th>	3840	399.59 <th></th> <th></th> <th></th>			
20	Pi2 BPSK	1	1	9.34	9.41	9.29	11.2	0.0	
Channel				647168	650000	664832 <th>Turn-up limit (dB)</th> <th>MPR (dB)</th> <th></th>			
Frequency (MHz)				3707.52 <th>3840</th> <th>3972.48<th></th><th></th><th></th></th>	3840	3972.48 <th></th> <th></th> <th></th>			
15	Pi2 BPSK	1	1	9.36	9.40	9.31	11.2	0.0	
Channel				647000	650000	665000 <th>Turn-up limit (dB)</th> <th>MPR (dB)</th> <th></th>			
Frequency (MHz)				3705 <th>3840</th> <th>3975<th></th><th></th><th></th></th>	3840	3975 <th></th> <th></th> <th></th>			
10	Pi2 BPSK	1	1	9.32	9.40	9.32	11.2	0.0	

n77(Part 27O)_Ant 3(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Turn-up limit (dbm)	MPR (db)	
				Power Low Ch / Freq. 65000	Power Middle Ch / Freq. 65000	Power High Ch / Freq. 65000			
Channel				3750	3840	3930			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	12.35	12.38	12.35			
100	PV2 BPSK	1	137	13.14	13.15	12.96	14.2	0.0	
100	PV2 BPSK	1	271	12.30	12.33	12.25			
100	PV2 BPSK	135	0	12.95	12.99	12.94	14.2	0.0	
100	PV2 BPSK	135	69	13.06	13.10	12.82	14.2	0.0	
100	PV2 BPSK	135	138	12.90	12.95	12.91			
100	PV2 BPSK	270	0	12.91	12.97	12.73	14.2	0.0	
100	QPSK	1	1	12.25	12.35	12.29			
100	QPSK	1	137	13.03	13.11	12.87	14.2	0.0	
100	QPSK	1	271	12.28	12.33	12.23			
100	QPSK	135	0	12.91	12.96	12.89			
100	QPSK	135	69	12.96	13.05	12.79	14.2	0.0	
100	QPSK	135	138	12.86	12.92	12.87			
100	QPSK	270	0	12.83	12.91	12.62	14.2	0.0	
100	16QAM	1	1	12.29	12.38	12.28	14.2	0.0	
100	64QAM	1	1	12.30	12.35	12.25	14.2	0.0	
100	256QAM	1	1	12.65	12.74	12.66	14.2	0.0	
Channel				646668	656000	662332	turn-up limit (dbm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98	(dbm)		
90	PV2 BPSK	1	1	12.33	12.31	12.30	14.2	0.0	
Channel				649334	656000	652666	turn-up limit (dbm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99	(dbm)		
80	PV2 BPSK	1	1	12.34	12.31	12.34	14.2	0.0	
Channel				645000	656000	663000	turn-up limit (dbm)	MPR	
Frequency (MHz)				3724	3840	3945	(dbm)		
70	PV2 BPSK	1	1	12.33	12.32	12.30	14.2	0.0	
Channel				646668	656000	663332	turn-up limit (dbm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98	(dbm)		
60	PV2 BPSK	1	1	12.30	12.31	12.34	14.2	0.0	
Channel				643334	656000	653666	turn-up limit (dbm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99	(dbm)		
50	PV2 BPSK	1	1	12.30	12.37	12.31	14.2	0.0	
Channel				645000	656000	664000	turn-up limit (dbm)	MPR	
Frequency (MHz)				3722	3840	3962	(dbm)		
40	PV2 BPSK	1	1	12.32	12.36	12.32	14.2	0.0	
Channel				647668	656000	664332	turn-up limit (dbm)	MPR	
Frequency (MHz)				3715.02	3840	3964.98	(dbm)		
30	PV2 BPSK	1	1	12.33	12.33	12.30	14.2	0.0	
Channel				647500	655000	654500	turn-up limit (dbm)	MPR	
Frequency (MHz)				3712.5	3840	3967.5	(dbm)		
25	PV2 BPSK	1	1	12.32	12.35	12.33	14.2	0.0	
Channel				647334	655000	664666	turn-up limit (dbm)	MPR	
Frequency (MHz)				3710.51	3840	3969.99	(dbm)		
20	PV2 BPSK	1	1	12.33	12.34	12.34	14.2	0.0	
Channel				647168	656000	664832	turn-up limit (dbm)	MPR	
Frequency (MHz)				3707.52	3840	3972.48	(dbm)		
15	PV2 BPSK	1	1	12.34	12.36	12.34	14.2	0.0	
Channel				647000	656000	665000	turn-up limit (dbm)	MPR	
Frequency (MHz)				3705	3840	3975	(dbm)		
10	PV2 BPSK	1	1	12.31	12.32	12.34	14.2	0.0	

n77(Part 27Q)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (edbs)			Turn-up limit (edbm)	MPR (dB)	
				Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq			
Channel				633000	633334	633666			
Frequency (MHz)				3600.01					
100	PV2 BPSK	1	1	13.27					
100	PV2 BPSK	1	137	13.27	14.14		15.2	0.0	
100	PV2 BPSK	1	271	13.27					
100	PV2 BPSK	135	0	13.91			15.2	0.0	
100	PV2 BPSK	135	69	13.96			15.2	0.0	
100	PV2 BPSK	135	138	13.82					
100	PV2 BPSK	270	0	13.91			15.2	0.0	
100	QPSK	1	1	13.31					
100	QPSK	1	137	14.08			15.2	0.0	
100	QPSK	1	271	13.27					
100	QPSK	135	0	13.89			15.2	0.0	
100	QPSK	135	69	13.92					
100	QPSK	135	138	13.79					
100	QPSK	270	0	13.90			15.2	0.0	
100	16QAM	1	1	13.34			15.2	0.0	
100	64QAM	1	1	13.34			15.2	0.0	
100	256QAM	1	1	13.45			15.2	0.0	
Channel				633000	633334	633666	turn-up limit (edbm)	MPR	
Frequency (MHz)				3485	3500.01	3504.99	(dBm)		
90	PV2 BPSK	1	1	13.16	13.26	13.21	15.2	0.0	
Channel				632668	633334	634000	turn-up limit (edbm)	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)		
80	PV2 BPSK	1	1	13.23	13.22	13.24	15.2	0.0	
Channel				632334	633334	634332	turn-up limit (edbm)	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)		
70	PV2 BPSK	1	1	13.20	13.24	13.22	15.2	0.0	
Channel				632000	633334	634666	turn-up limit (edbm)	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)		
60	PV2 BPSK	1	1	13.21	13.25	13.19	15.2	0.0	
Channel				631668	633334	635000	turn-up limit (edbm)	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)		
50	PV2 BPSK	1	1	13.17	13.20	13.17	15.2	0.0	
Channel				631334	633334	635332	turn-up limit (edbm)	MPR	
Frequency (MHz)				3470.01	3500.01	3524.98	(dBm)		
40	PV2 BPSK	1	1	13.19	13.23	13.19	15.2	0.0	
Channel				631000	633334	635666	turn-up limit (edbm)	MPR	
Frequency (MHz)				3465	3500.01	3534.99	(dBm)		
30	PV2 BPSK	1	1	13.19	13.24	13.21	15.2	0.0	
Channel				630500	633334	63512	turn-up limit (edbm)	MPR	
Frequency (MHz)				3462.51	3500.01	3537.48	(dBm)		
25	PV2 BPSK	1	1	13.23	13.21	13.20	15.2	0.0	
Channel				630868	633334	636000	turn-up limit (edbm)	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)		
20	PV2 BPSK	1	1	13.20	13.25	13.23	15.2	0.0	
Channel				630500	633334	636166	turn-up limit (edbm)	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)		
15	PV2 BPSK	1	1	13.20	13.24	13.22	15.2	0.0	
Channel				630334	633334	63512	turn-up limit (edbm)	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)		
10	PV2 BPSK	1	1	13.21	13.24	13.22	15.2	0.0	

n77(Part 27Q)_Ant 4(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				633001	633534	633534			
Frequency (MHz)				3500.01					
100	P12 BPSK	1	1	16.35					
100	P12 BPSK	1	137	17.19			18.2	0.0	
100	P12 BPSK	1	271	16.29					
100	P12 BPSK	135	0	16.97			18.2	0.0	
100	P12 BPSK	135	69	16.96			18.2	0.0	
100	P12 BPSK	135	138	16.86					
100	P12 BPSK	270	0	16.92			18.2	0.0	
100	QPSK	1	1	16.31					
100	QPSK	1	137	17.12			18.2	0.0	
100	QPSK	1	271	16.33					
100	QPSK	135	0	16.95			18.2	0.0	
100	QPSK	135	69	16.84					
100	QPSK	135	138	16.78					
100	QPSK	270	0	16.84			18.2	0.0	
100	16QAM	1	1	16.39			18.2	0.0	
100	64QAM	1	1	16.35			18.2	0.0	
100	256QAM	1	1	16.38			18.2	0.0	
Channel				633000	633534	633666	turn-up limit (dBm)	MPR	
Frequency (MHz)				3485	3500.01	3504.99	(dB)		
90	P12 BPSK	1	1	16.28	16.32	16.28	18.2	0.0	
Channel				632506	633534	634000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dB)		
80	P12 BPSK	1	1	16.29	16.29	16.29	18.2	0.0	
Channel				632334	633534	634332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dB)		
70	P12 BPSK	1	1	16.30	16.32	16.30	18.2	0.0	
Channel				632000	633534	634666	turn-up limit (dBm)	MPR	
Frequency (MHz)				3470.00	3500.01	3519.99	(dB)		
60	P12 BPSK	1	1	16.32	16.34	16.30	18.2	0.0	
Channel				631668	633534	635000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dB)		
50	P12 BPSK	1	1	16.30	16.28	16.29	18.2	0.0	
Channel				631334	633534	635332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dB)		
40	P12 BPSK	1	1	16.32	16.33	16.31	18.2	0.0	
Channel				631000	633534	635666	turn-up limit (dBm)	MPR	
Frequency (MHz)				3465	3500.01	3524.99	(dB)		
30	P12 BPSK	1	1	16.31	16.28	16.30	18.2	0.0	
Channel				630634	633534	635832	turn-up limit (dBm)	MPR	
Frequency (MHz)				3462.51	3500.01	3537.48	(dB)		
25	P12 BPSK	1	1	16.29	16.31	16.29	18.2	0.0	
Channel				630668	633534	636000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dB)		
20	P12 BPSK	1	1	16.27	16.33	16.28	18.2	0.0	
Channel				630500	633534	636166	turn-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dB)		
15	P12 BPSK	1	1	16.30	16.32	16.28	18.2	0.0	
Channel				630264	633534	636332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dB)		
10	P12 BPSK	1	1	16.31	16.32	16.28	18.2	0.0	

Conducted Power for DSI 6

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	376000	380000			
				Channel	1860	1880	1900		
				Frequency (MHz)					
20	Pl/2 BPSK	1	1	19.55	19.54	19.47	20.7	0.0	
20	Pl/2 BPSK	1	53	19.84	19.68	19.60			
20	Pl/2 BPSK	1	104	19.55	19.60	19.48			
20	Pl/2 BPSK	50	0	19.47	19.62	19.50	20.7	0.0	
20	Pl/2 BPSK	50	28	19.57	19.67	19.51	20.7	0.0	
20	Pl/2 BPSK	50	56	19.54	19.65	19.49	20.7	0.0	
20	Pl/2 BPSK	100	0	19.53	19.64	19.63	20.7	0.0	
20	QPSK	1	1	19.42	19.47	19.49			
20	QPSK	1	53	19.82	19.86	19.80			
20	QPSK	1	104	19.43	19.49	19.43	20.7	0.0	
20	QPSK	50	0	19.56	19.55	19.49	20.7	0.0	
20	QPSK	50	28	19.64	19.59	19.59	20.7	0.0	
20	QPSK	50	56	19.59	19.63	19.55	20.7	0.0	
20	QPSK	100	0	19.55	19.62	19.61	20.7	0.0	
20	16QAM	1	1	19.15	19.22	19.17			
20	64QAM	1	1	19.12	19.20	19.13			
20	256QAM	1	1	19.34	19.37	19.21	20.2	0.5	
				Channel	371500	376000	380500	limit (dbm)	MPR (db)
				Frequency (MHz)	1857.5	1890	1902.5		
15	Pl/2 BPSK	1	1	19.40	19.45	19.33	20.7	0.0	
				Channel	371000	376000	381000	tune-up limit (dbm)	MPR (db)
				Frequency (MHz)	1865	1890	1905		
10	Pl/2 BPSK	1	1	19.45	19.48	19.38	20.7	0.0	
				Channel	370500	376000	381500	tune-up limit (dbm)	MPR (db)
				Frequency (MHz)	1862.5	1890	1907.5		
5	Pl/2 BPSK	1	1	19.45	19.48	19.37	20.7	0.0	

n2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	Pl/2 BPSK	1	1	21.38	21.41	21.25	22.7	0.0	
20	Pl/2 BPSK	1	53	21.47	21.54	21.44			
20	Pl/2 BPSK	1	104	21.43	21.42	21.22			
20	Pl/2 BPSK	50	0	21.46	21.46	21.38	22.2	0.5	
20	Pl/2 BPSK	50	28	21.51	21.52	21.42	22.7	0.0	
20	Pl/2 BPSK	50	56	21.46	21.47	21.38	22.2	0.5	
20	Pl/2 BPSK	100	0	21.46	21.51	21.45	22.7	0.0	
20	QPSK	1	1	21.41	21.46	21.28			
20	QPSK	1	53	21.46	21.50	21.36			
20	QPSK	1	104	21.42	21.36	21.25	21.7	1.0	
20	QPSK	50	0	21.47	21.43	21.42	21.7	1.0	
20	QPSK	50	28	21.51	21.52	21.41	22.7	0.0	
20	QPSK	50	56	21.49	21.53	21.38	21.7	1.0	
20	QPSK	100	0	21.51	21.51	21.42	21.7	1.0	
20	16QAM	1	1	21.11	21.17	21.03	20.7	0.0	
20	64QAM	1	1	19.69	19.71	19.58	20.2	2.5	
20	256QAM	1	1	18.18	18.19	18.08	18.2	4.5	
Channel				371500	376000	380500	limit (dbm)	MPR (db)	
Frequency (MHz)				1857.5	1890	1902.5			
15	Pl/2 BPSK	1	1	21.42	21.48	21.44	22.7	0.0	
Channel				371000	376000	381000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1865	1890	1905			
10	Pl/2 BPSK	1	1	21.16	21.24	21.18	22.7	0.0	
Channel				370500	376000	381500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5	1890	1907.5			
5	Pl/2 BPSK	1	1	21.46	21.47	21.41	22.7	0.0	

n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1910	1925.5	1935			
40	Pl/2 BPSK	1	1	19.49	19.53	19.49	20.7	0.0	
40	Pl/2 BPSK	1	108	20.04	20.06	20.01			
40	Pl/2 BPSK	1	214	19.48	19.48	19.37			
40	Pl/2 BPSK	108	0	19.97	19.98	19.93	20.7	0.0	
40	Pl/2 BPSK	108	54	20.01	20.01	19.93	20.7	0.0	
40	Pl/2 BPSK	108	108	19.87	19.91	19.84	20.7	0.0	
40	Pl/2 BPSK	216	0	19.93	19.96	19.93	20.7	0.0	
40	QPSK	1	1	19.53	19.58	19.42			
40	QPSK	1	108	19.94	20.03	19.96			
40	QPSK	1	214	19.39	19.52	19.44	20.7	0.0	
40	QPSK	108	0	19.83	19.98	19.90	20.7	0.0	
40	QPSK	108	54	19.87	20.01	19.92	20.7	0.0	
40	QPSK	108	108	19.89	19.96	19.88	20.7	0.0	
40	QPSK	216	0	19.90	19.92	19.88	20.7	0.0	
40	16QAM	1	1	19.28	19.35	19.34			
40	64QAM	1	1	19.38	19.39	19.29			
40	256QAM	1	1	19.19	19.27	19.33	20.2	0.5	
Channel				373000	376500	380000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1865 <th>1882.5<th>1900</th><th></th><th></th><th></th></th>	1882.5 <th>1900</th> <th></th> <th></th> <th></th>	1900			
30	Pl/2 BPSK	1	1	19.42	19.50	19.42	20.7	0.0	
Channel				372500	376500	380500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5 <th>1882.5<th>1902.5</th><th></th><th></th><th></th></th>	1882.5 <th>1902.5</th> <th></th> <th></th> <th></th>	1902.5			
25	Pl/2 BPSK	1	1	19.42	19.50	19.40	20.7	0.0	
Channel				372000	376500	381000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1860 <th>1882.5<th>1905</th><th></th><th></th><th></th></th>	1882.5 <th>1905</th> <th></th> <th></th> <th></th>	1905			
20	Pl/2 BPSK	1	1	19.43	19.49	19.39	20.7	0.0	
Channel				371500	376500	381500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1857.5 <th>1882.5<th>1907.5</th><th></th><th></th><th></th></th>	1882.5 <th>1907.5</th> <th></th> <th></th> <th></th>	1907.5			
15	Pl/2 BPSK	1	1	19.39	19.48	19.42	20.7	0.0	
Channel				371000	376500	382000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1860 <th>1882.5<th>1910</th><th></th><th></th><th></th></th>	1882.5 <th>1910</th> <th></th> <th></th> <th></th>	1910			
10	Pl/2 BPSK	1	1	19.44	19.51	19.41	20.7	0.0	
Channel				370500	376500	382500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5 <th>1882.5<th>1912.5</th><th></th><th></th><th></th></th>	1882.5 <th>1912.5</th> <th></th> <th></th> <th></th>	1912.5			
5	Pl/2 BPSK	1	1	19.42	19.52	19.42	20.7	0.0	

n25_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	P12 BPSK	1	1	21.31	21.36	21.38			
40	P12 BPSK	1	108	21.86	21.89	21.88	22.7		0.0
40	P12 BPSK	1	214	21.29	21.31	21.35			
40	P12 BPSK	108	0	21.81	21.82	21.85	22.2		0.5
40	P12 BPSK	108	54	21.86	21.88	21.87	22.7		0.0
40	P12 BPSK	108	108	21.82	21.72	21.71	22.2		0.5
40	P12 BPSK	216	0	21.76	21.79	21.75			
40	QPSK	1	1	21.28	21.34	21.32			
40	QPSK	1	108	21.84	21.86	21.87	22.7		0.0
40	QPSK	1	214	21.35	21.33	21.31			
40	QPSK	108	0	21.28	21.30	21.28	21.7		1.0
40	QPSK	108	54	21.83	21.87	21.86	22.7		0.0
40	QPSK	108	108	21.28	21.24	21.22	21.7		1.0
40	QPSK	216	0	21.30	21.25	21.22			
40	16QAM	1	1	20.57	20.61	20.60	21.7		1.0
40	64QAM	1	1	19.13	19.19	19.17	20.2		2.5
40	256QAM	1	1	17.71	17.79	17.78	18.2		4.5
Channel				373000	376500	380000			
Frequency (MHz)				1885	1882.5	1900	limit (dbm)		MPR (db)
30	P12 BPSK	1	1	21.53	21.55	21.49	22.7		0.0
Channel				372500	376500	380500	tune-up limit (dbm)		MPR (db)
Frequency (MHz)				1892.5	1892.5	1902.5 <td>22.7</td> <td></td> <td>0.0</td>	22.7		0.0
25	P12 BPSK	1	1	21.60	21.74	21.72	22.7		0.0
Channel				372000	376500	381000	tune-up limit (dbm)		MPR (db)
Frequency (MHz)				1880	1882.5	1905 <td>22.7</td> <td></td> <td>0.0</td>	22.7		0.0
20	P12 BPSK	1	1	21.78	21.85	21.80	22.7		0.0
Channel				371500	376500	381500	tune-up limit (dbm)		MPR (db)
Frequency (MHz)				1887.5	1882.5	1907.5 <td>22.7</td> <td></td> <td>0.0</td>	22.7		0.0
15	P12 BPSK	1	1	21.79	21.86	21.80	22.7		0.0
Channel				371000	376500	382000	tune-up limit (dbm)		MPR (db)
Frequency (MHz)				1885	1882.5	1910 <td>22.7</td> <td></td> <td>0.0</td>	22.7		0.0
10	P12 BPSK	1	1	21.75	21.81	21.76	22.7		0.0
Channel				370500	376500	382500	tune-up limit (dbm)		MPR (db)
Frequency (MHz)				1882.5	1882.5	1912.5 <td>22.7</td> <td></td> <td>0.0</td>	22.7		0.0
5	P12 BPSK	1	1	21.81	21.86	21.82	22.7		0.0

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (edbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				340000	349000	353000			
Frequency (MHz)				1720	1745	1760			
40	P12 BPSK	1	1	19.82	19.80	19.78			
40	P12 BPSK	1	108	20.34	20.39	20.33	21.2	0.0	
40	P12 BPSK	1	214	19.77	19.77	19.76			
40	P12 BPSK	108	0	20.04	20.16	20.12	21.2	0.0	
40	P12 BPSK	108	54	20.29	20.31	20.28	21.2	0.0	
40	P12 BPSK	108	108	20.02	20.07	19.96	21.2	0.0	
40	P12 BPSK	216	0	20.02	20.11	19.99			
40	QPSK	1	1	19.83	19.78	19.79			
40	QPSK	1	108	20.21	20.31	20.24	21.2	0.0	
40	QPSK	1	214	19.70	19.79	19.74			
40	QPSK	108	0	20.11	20.13	20.08	21.2	0.0	
40	QPSK	108	54	20.26	20.33	20.17	21.2	0.0	
40	QPSK	108	108	19.99	20.01	20.03	21.2	0.0	
40	QPSK	216	0	19.97	20.01	20.02			
40	16QAM	1	1	19.55	19.64	19.57	21.2	0.0	
40	64QAM	1	1	19.55	19.67	19.55	21.2	0.0	
40	256QAM	1	1	19.26	19.19	19.17	20.2	1.0	
Channel				345000	349000	353000	limit (dbm)	MPR	
Frequency (MHz)				1725	1745	1765	(dbm)	(db)	
30	P12 BPSK	1	1	19.76	19.78	19.72	21.2	0.0	
Channel				344500	349000	353500	tune-up limit (dbm)	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dbm)	(db)	
25	P12 BPSK	1	1	19.72	19.75	19.72	21.2	0.0	
Channel				344000	349000	354000	tune-up limit (dbm)	MPR	
Frequency (MHz)				1720	1745	1770	(dbm)	(db)	
20	P12 BPSK	1	1	19.74	19.79	19.69	21.2	0.0	
Channel				343500	349000	354500	limit (dbm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dbm)	(db)	
15	P12 BPSK	1	1	19.75	19.77	19.75	21.2	0.0	
Channel				343000	349000	355000	tune-up limit (dbm)	MPR	
Frequency (MHz)				1715	1745	1775	(dbm)	(db)	
10	P12 BPSK	1	1	19.76	19.76	19.74	21.2	0.0	
Channel				342500	349000	355500	tune-up limit (dbm)	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dbm)	(db)	
5	P12 BPSK	1	1	19.79	19.79	19.73	21.2	0.0	

n71_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				134600	136100	137600			
Frequency (MHz)				693	680.5	668			
20	P12 BPSK	1	1	24.00	24.06	24.01			
20	P12 BPSK	1	53	24.14	24.19	24.16	25.2		0.0
20	P12 BPSK	1	104	23.99	24.08	24.02			
20	P12 BPSK	50	0	23.58	23.68	23.67	24.7		0.5
20	P12 BPSK	50	28	24.13	24.18	24.15	25.2		0.0
20	P12 BPSK	50	56	23.62	23.63	23.72	24.7		0.5
20	P12 BPSK	100	0	23.81	23.77	23.70			
20	QPSK	1	1	23.99	24.07	24.01			
20	QPSK	1	53	24.11	24.17	24.15	25.2		0.0
20	QPSK	1	104	23.97	24.02	23.95			
20	QPSK	50	0	23.08	23.14	23.16	24.2		1.0
20	QPSK	50	28	24.12	24.16	24.14	25.2		0.0
20	QPSK	50	56	23.10	23.09	23.21	24.2		1.0
20	QPSK	100	0	23.08	23.25	23.18			
20	16QAM	1	1	22.74	22.86	22.75	24.2		1.0
20	64QAM	1	1	21.33	21.41	21.35	22.7		2.5
20	256QAM	1	1	20.01	20.04	20.02	20.7		4.5
Channel				134100	136100	138100	limit (dBm)	MPR	(dB)
Frequency (MHz)				670.5	680.5	695	(dBm)	(dB)	
15	P12 BPSK	1	1	24.08	24.08	24.04	25.2		0.0
Channel				133600	136100	138600	limit (dBm)	MPR	(dB)
Frequency (MHz)				666	680.5	693	(dBm)	(dB)	
10	P12 BPSK	1	1	23.97	23.98 <td>23.91</td> <td>25.2</td> <td></td> <td>0.0</td>	23.91	25.2		0.0
Channel				133100	136100	139100	limit (dBm)	MPR	(dB)
Frequency (MHz)				665.5	680.5	695.5	(dBm)	(dB)	
5	P12 BPSK	1	1	24.05	24.12	24.05	25.2		0.0



Conducted Power for DSI 4

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	23.52	23.56	23.61	24.7	0.0	
20	PI/2 BPSK	1	53	23.59	23.66	23.64			
20	PI/2 BPSK	1	104	23.54	23.55	23.42			
20	PI/2 BPSK	50	0	23.61	23.61	23.52	24.2	0.5	
20	PI/2 BPSK	50	28	23.63	23.64	23.60	24.7	0.0	
20	PI/2 BPSK	50	56	23.62	23.62	23.49	24.2	0.5	
20	PI/2 BPSK	100	0	23.60	23.63	23.52			
20	QPSK	1	1	23.48	23.52	23.42			
20	QPSK	1	53	23.57	23.61	23.52	24.7	0.0	
20	QPSK	1	104	23.48	23.52	23.39	23.7	1.0	
20	QPSK	50	0	23.09	23.06	23.01			
20	QPSK	50	28	23.61	23.63	23.61			
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.15	22.99			
20	16QAM	1	1	22.74	22.78	22.64	23.7	1.0	
20	64QAM	1	1	21.28	21.31	21.16	22.2	2.5	
20	256QAM	1	1	19.84	19.85	19.76	20.2	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	24.7	0.0	
15	PI/2 BPSK	1	1	23.51	23.56	23.53	24.7	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	24.7	0.0	
10	PI/2 BPSK	1	1	23.38	23.41	23.34	24.7	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	24.7	0.0	
5	PI/2 BPSK	1	1	23.59	23.62	23.58	24.7	0.0	

n2_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	23.47	23.47	23.35	24.7	0.0	
20	PI/2 BPSK	1	53	23.56	23.62	23.47			
20	PI/2 BPSK	1	104	23.50	23.52	23.33			
20	PI/2 BPSK	50	0	23.55	23.56	23.46	24.2	0.5	
20	PI/2 BPSK	50	28	23.57	23.61	23.51	24.7	0.0	
20	PI/2 BPSK	50	56	23.56	23.59	23.46	24.2	0.5	
20	PI/2 BPSK	100	0	23.58	23.60	23.48			
20	QPSK	1	1	23.44	23.46	23.32			
20	QPSK	1	53	23.52	23.58	23.45	24.7	0.0	
20	QPSK	1	104	23.43	23.46	23.28	23.7	1.0	
20	QPSK	50	0	23.04	23.05	22.99			
20	QPSK	50	28	23.59	23.57	23.45			
20	QPSK	50	56	23.05	23.12	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.11	23.00			
20	16QAM	1	1	22.64	22.72	22.59	23.7	1.0	
20	64QAM	1	1	21.23	21.23	21.12	22.2	2.5	
20	256QAM	1	1	19.81	19.85	19.66	20.2	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	24.7	0.0	
15	PI/2 BPSK	1	1	23.46	23.52	23.47	24.7	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	24.7	0.0	
10	PI/2 BPSK	1	1	23.28	23.34	23.29	24.7	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	24.7	0.0	
5	PI/2 BPSK	1	1	23.48	23.56	23.50	24.7	0.0	

n2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	21.38	21.41	21.25	22.7	0.0	
20	PI/2 BPSK	1	53	21.47	21.54	21.44			
20	PI/2 BPSK	1	104	21.43	21.42	21.22			
20	PI/2 BPSK	50	0	21.46	21.46	21.38	22.2	0.5	
20	PI/2 BPSK	50	28	21.51	21.52	21.42	22.7	0.0	
20	PI/2 BPSK	50	56	21.46	21.47	21.38	22.2	0.5	
20	PI/2 BPSK	100	0	21.48	21.51	21.45			
20	QPSK	1	1	21.41	21.46	21.28			
20	QPSK	1	53	21.46	21.50	21.38	22.7	0.0	
20	QPSK	1	104	21.42	21.36	21.25	21.7	1.0	
20	QPSK	50	0	21.47	21.43	21.42			
20	QPSK	50	28	21.51	21.52	21.41			
20	QPSK	50	56	21.49	21.53	21.38	21.7	1.0	
20	QPSK	100	0	21.51	21.51	21.42			
20	16QAM	1	1	21.11	21.17	21.03	21.7	1.0	
20	64QAM	1	1	19.69	19.71	19.58	20.2	2.5	
20	256QAM	1	1	18.18	18.19	18.08	18.2	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	22.7	0.0	
15	PI/2 BPSK	1	1	21.42	21.48	21.44	22.7	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	22.7	0.0	
10	PI/2 BPSK	1	1	21.16	21.24	21.18	22.7	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	22.7	0.0	
5	PI/2 BPSK	1	1	21.48	21.47	21.41	22.7	0.0	

n25_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI/2 BPSK	1	1	23.38	23.49	23.45	24.7	0.0	
40	PI/2 BPSK	1	108	23.98	24.04	24.02			
40	PI/2 BPSK	1	214	23.47	23.48	23.53			
40	PI/2 BPSK	108	0	23.37	23.45	23.45	24.2	0.5	
40	PI/2 BPSK	108	54	24.01	24.02	24.01	24.7	0.0	
40	PI/2 BPSK	108	108	23.34	23.44	23.38	24.2	0.5	
40	PI/2 BPSK	216	0	23.41	23.45	23.42			
40	QPSK	1	1	23.48	23.45	23.45			
40	QPSK	1	108	23.95	24.01	24.00	24.7	0.0	
40	QPSK	1	214	23.45	23.47	23.51	23.7	1.0	
40	QPSK	108	0	22.86	22.95	22.94			
40	QPSK	108	54	23.98	24.01	24.01			
40	QPSK	108	108	22.85	22.94	22.83	23.7	1.0	
40	QPSK	216	0	22.84	22.83	22.92			
40	16QAM	1	1	22.15	22.21	22.20	23.7	1.0	
40	64QAM	1	1	20.68	20.76	20.73	22.2	2.5	
40	256QAM	1	1	19.28	19.31	19.30	20.2	4.5	
Channel				373000	376500	380000	1870-1895 limit (dbm)	MPR	
Frequency (MHz)				1865	1882.5	1900			
30	PI/2 BPSK	1	1	23.69	23.62	23.58	24.7	0.0	
Channel				372000	376500	380500	1865-1900 limit (dbm)	MPR	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	PI/2 BPSK	1	1	23.81	23.88	23.81	24.7	0.0	
Channel				372000	376500	381000	1865-1900 limit (dbm)	MPR	
Frequency (MHz)				1860	1882.5	1900			
20	PI/2 BPSK	1	1	23.93	23.98	23.92	24.7	0.0	
Channel				371500	376500	381500	1867.5-1902.5 limit (dbm)	MPR	
Frequency (MHz)				1867.5	1882.5	1907.5			
15	PI/2 BPSK	1	1	23.90	24.02	23.94	24.7	0.0	
Channel				371000	376500	382000	1865-1910 limit (dbm)	MPR	
Frequency (MHz)				1865	1882.5	1910			
10	PI/2 BPSK	1	1	23.96	23.98	23.91	24.7	0.0	
Channel				370500	376500	382500	1862.5-1912.5 limit (dbm)	MPR	
Frequency (MHz)				1862.5	1882.5	1912.5			
5	PI/2 BPSK	1	1	23.90	24.01	23.93	24.7	0.0	

n25_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI/2 BPSK	1	1	23.35	23.48	23.45	24.7	0.0	
40	PI/2 BPSK	1	108	23.94	24.00	23.97			
40	PI/2 BPSK	1	214	23.45	23.45	23.44			
40	PI/2 BPSK	108	0	23.38	23.38	23.34	24.2	0.5	
40	PI/2 BPSK	108	54	23.93	23.98	23.95	24.7	0.0	
40	PI/2 BPSK	108	108	23.43	23.29	23.33	24.2	0.5	
40	PI/2 BPSK	216	0	23.38	23.40	23.36			
40	QPSK	1	1	23.31	23.43	23.42			
40	QPSK	1	108	23.92	23.98	23.95	24.7	0.0	
40	QPSK	1	214	23.38	23.41	23.43	23.7	1.0	
40	QPSK	108	0	22.86	22.89	22.83			
40	QPSK	108	54	23.91	23.95	23.92			
40	QPSK	108	108	22.91	22.79	22.78	23.7	1.0	
40	QPSK	216	0	22.88	22.82	22.82			
40	16QAM	1	1	22.08	22.18	22.15	23.7	1.0	
40	64QAM	1	1	20.62	20.73	20.68	22.2	2.5	
40	256QAM	1	1	19.24	19.32	19.30	20.2	4.5	
Channel				373000	376500	380000	1870-1895 limit (dBm)	MPR	
Frequency (MHz)				1865	1882.5	1900			
30	PI/2 BPSK	1	1	23.69	23.62	23.61	24.7	0.0	
Channel				372000	376500	380500	1865-1900 limit (dBm)	MPR	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	PI/2 BPSK	1	1	23.75 <td>23.81</td> <td>23.74</td> <td>24.7</td> <td>0.0</td> <td></td>	23.81	23.74	24.7	0.0	
Channel				372000	376500	381000	1865-1900 limit (dBm)	MPR	
Frequency (MHz)				1860	1882.5	1900			
20	PI/2 BPSK	1	1	23.94	23.98	23.97	24.7	0.0	
Channel				371500	376500	381500	1867.5-1902.5 limit (dBm)	MPR	
Frequency (MHz)				1867.5	1882.5	1907.5			
15	PI/2 BPSK	1	1	23.96	23.99	23.98	24.7	0.0	
Channel				371000	376500	382000	1865-1910 limit (dBm)	MPR	
Frequency (MHz)				1865	1882.5	1910			
10	PI/2 BPSK	1	1	23.88	23.91	23.86	24.7	0.0	
Channel				370500	376500	382500	1862.5-1912.5 limit (dBm)	MPR	
Frequency (MHz)				1862.5	1882.5	1912.5			
5	PI/2 BPSK	1	1	23.94	23.98	23.94	24.7	0.0	

n25_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	PI/2 BPSK	1	1	21.31	21.38	21.38	22.7	0.0	
40	PI/2 BPSK	1	108	21.86	21.89	21.88			
40	PI/2 BPSK	1	214	21.29	21.31	21.35			
40	PI/2 BPSK	108	0	21.81	21.82	21.85	22.2	0.5	
40	PI/2 BPSK	108	54	21.85	21.88	21.87	22.7	0.0	
40	PI/2 BPSK	108	108	21.82	21.72	21.71	22.2	0.5	
40	PI/2 BPSK	216	0	21.76	21.79	21.75			
40	QPSK	1	1	21.28	21.34	21.32			
40	QPSK	1	108	21.84	21.88	21.87	22.7	0.0	
40	QPSK	1	214	21.35	21.33	21.31	21.7	1.0	
40	QPSK	108	0	21.28	21.30	21.28			
40	QPSK	108	54	21.83	21.87	21.86			
40	QPSK	108	108	21.28	21.24	21.22	21.7	1.0	
40	QPSK	216	0	21.30	21.25	21.22			
40	16QAM	1	1	20.57	20.61	20.60	21.7	1.0	
40	64QAM	1	1	19.13	19.19	19.17	20.2	2.5	
40	256QAM	1	1	17.71	17.76	17.76	18.2	4.5	
Channel				373000	376500	380000	1870-1895 limit (dbm)	MPR	
Frequency (MHz)				1865	1882.5	1900			
30	PI/2 BPSK	1	1	21.53	21.55	21.49	22.7	0.0	
Channel				372000	376500	380500	1865-1900 limit (dbm)	MPR	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	PI/2 BPSK	1	1	21.69	21.74	21.72	22.7	0.0	
Channel				372000	376500	381000	1865-1900 limit (dbm)	MPR	
Frequency (MHz)				1860	1882.5	1900			
20	PI/2 BPSK	1	1	21.78	21.85	21.80	22.7	0.0	
Channel				371500	376500	381500	1867.5-1902.5 limit (dbm)	MPR	
Frequency (MHz)				1867.5	1882.5	1907.5			
15	PI/2 BPSK	1	1	21.79	21.86	21.80	22.7	0.0	
Channel				371000	376500	382000	1865-1910 limit (dbm)	MPR	
Frequency (MHz)				1865	1882.5	1910			
10	PI/2 BPSK	1	1	21.75	21.81	21.76	22.7	0.0	
Channel				370500	376500	382500	1862.5-1912.5 limit (dbm)	MPR	
Frequency (MHz)				1862.5	1882.5	1912.5			
5	PI/2 BPSK	1	1	21.81	21.86	21.82	22.7	0.0	

n66_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
			Channel	346000	349000	352000			
			Frequency (MHz)	1720	1745	1760			
40	PV2 BPSK	1	1	23.51	23.41	23.40	24.7	0.0	
40	PV2 BPSK	1	108	23.95	23.98	23.91			
40	PV2 BPSK	1	214	23.35	23.38	23.34			
40	PV2 BPSK	108	0	23.38	23.32	23.35	24.2	0.5	
40	PV2 BPSK	108	54	23.94	23.95	23.92	24.7	0.0	
40	PV2 BPSK	108	108	23.54	23.22	23.54	24.2	0.5	
40	PV2 BPSK	216	0	23.48	23.50	23.42			
40	QPSK	1	1	23.51	23.38	23.38			
40	QPSK	1	108	23.94	23.92	23.89	24.7	0.0	
40	QPSK	1	214	23.38	23.35	23.31	23.7	1.0	
40	QPSK	108	0	22.85	22.81	22.84			
40	QPSK	108	54	23.92	23.94	23.91			
40	QPSK	108	108	22.02	22.68	23.00	23.7	1.0	
40	QPSK	216	0	22.98	22.75	22.91	23.7	1.0	
40	16QAM	1	1	22.23	22.13	22.14			
40	64QAM	1	1	20.78	20.70	20.69			
40	256QAM	1	1	18.42	18.26	18.31	20.2	4.5	
			Channel	345000	349000	353000			
			Frequency (MHz)	1725	1745	1765	tune-up limit (dBm)	MPR	(dB)
30	PV2 BPSK	1	1	23.65	23.66	23.60	24.7	0.0	
			Channel	344500	349000	353500	tune-up limit (dBm)	MPR	(dB)
			Frequency (MHz)	1722.5	1745	1767.5			
25	PV2 BPSK	1	1	23.87	23.92	23.90	24.7	0.0	
			Channel	344000	349000	354000	tune-up limit (dBm)	MPR	(dB)
			Frequency (MHz)	1720	1745	1770			
20	PV2 BPSK	1	1	23.88	23.92	23.89	24.7	0.0	
			Channel	343500	349000	354500	tune-up limit (dBm)	MPR	(dB)
			Frequency (MHz)	1717.5	1745	1772.5			
15	PV2 BPSK	1	1	23.87	23.95	23.88	24.7	0.0	
			Channel	343000	349000	355000	tune-up limit (dBm)	MPR	(dB)
			Frequency (MHz)	1715	1745	1775			
10	PV2 BPSK	1	1	23.84	23.92	23.85	24.7	0.0	
			Channel	342500	349000	355500	tune-up limit (dBm)	MPR	(dB)
			Frequency (MHz)	1712.5	1745	1777.5			
5	PV2 BPSK	1	1	23.87	23.94	23.88	24.7	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				346000	349000	352000			
Frequency (MHz)				1720	1745	1760			
40	PV2 BPSK	1	1	23.29	23.30	23.24	24.7	0.0	
40	PV2 BPSK	1	108	23.79	23.82	23.78			
40	PV2 BPSK	1	214	23.20	23.24	23.23			
40	PV2 BPSK	108	0	23.28	23.01	23.33	24.2	0.5	
40	PV2 BPSK	108	54	23.78	23.81	23.77	24.7	0.0	
40	PV2 BPSK	108	108	23.42	23.00	23.41	24.2	0.5	
40	PV2 BPSK	216	0	23.38	23.40	23.37			
40	QPSK	1	1	23.31	23.18	23.21			
40	QPSK	1	108	23.77	23.78	23.77	24.7	0.0	
40	QPSK	1	214	23.21	23.21	23.20	23.7	1.0	
40	QPSK	108	0	22.80	22.49	22.81			
40	QPSK	108	54	23.75	23.77	23.76			
40	QPSK	108	108	22.92	22.47	22.93	23.7	1.0	
40	QPSK	216	0	22.86	22.51	22.83	23.7	1.0	
40	16QAM	1	1	22.00	21.98	21.95			
40	64QAM	1	1	20.56	20.52	20.52			
40	256QAM	1	1	19.21	19.15	19.13	20.2	4.5	
Channel				345000	349000	353000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1725	1745	1765			
30	PV2 BPSK	1	1	23.42	23.47	23.45	24.7	0.0	
Channel				344500	349000	353500	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1722.5	1745	1767.5			
25	PV2 BPSK	1	1	23.67	23.72	23.73	24.7	0.0	
Channel				344000	349000	354000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	23.73	23.78	23.73	24.7	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1717.5	1745	1772.5			
15	PV2 BPSK	1	1	23.72	23.80	23.76	24.7	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1715	1745	1775			
10	PV2 BPSK	1	1	23.71	23.75	23.68	24.7	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1712.5	1745	1777.5			
5	PV2 BPSK	1	1	23.75	23.81	23.73	24.7	0.0	

n71_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				670	690.5	693		
Frequency (MHz)				670	690.5	693		
20	P2 PSK	1	1	23.95	24.04	23.98	25.2	0.0
20	P2 PSK	1	53	24.10	24.21	24.15		
20	P2 PSK	1	104	23.98	24.15	24.02		
20	P2 PSK	50	0	23.51	23.65	23.68	24.7	0.5
20	P2 PSK	50	28	24.08	24.20	24.13	25.2	0.0
20	P2 PSK	50	56	23.55	23.66	23.73	24.7	0.5
20	P2 PSK	100	0	23.53	23.76	23.67		
20	QPSK	1	1	23.91	24.08	23.95		
20	QPSK	1	53	24.05	24.18	24.14	25.2	0.0
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.98	23.15	23.16	24.2	1.0
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.18		
20	16QAM	1	1	22.89	22.82	22.72	24.2	1.0
20	64QAM	1	1	21.23	21.42	21.28	22.7	2.5
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	P2 PSK	1	1	24.02	24.08	24.03	25.2	0.0
Channel				133600	134100	134600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				688	680.5	693		
10	P2 PSK	1	1	23.88	23.95	23.89	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				692.5	680.5	695.5		
5	P2 PSK	1	1	24.07	24.08	24.05	25.2	0.0

n71_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				670	690.5	693		
Frequency (MHz)				670	690.5	693		
20	PI/2 BPSK	1	1	24.00	24.08	24.01	25.2	0.0
20	PI/2 BPSK	1	53	24.14	24.19	24.16		
20	PI/2 BPSK	1	104	23.99	24.08	24.02		
20	PI/2 BPSK	50	0	23.58	23.68	23.67	24.7	0.5
20	PI/2 BPSK	50	28	24.13	24.18	24.15	25.2	0.0
20	PI/2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5
20	PI/2 BPSK	100	0	23.61	23.77	23.70		
20	QPSK	1	1	23.99	24.07	24.01		
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0
20	QPSK	1	104	23.97	24.02	23.95		
20	QPSK	50	0	23.08	23.14	23.16	24.2	1.0
20	QPSK	50	28	24.12	24.16	24.14	25.2	0.0
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0
20	QPSK	100	0	23.08	23.25	23.18		
20	16QAM	1	1	22.74	22.86	22.75	24.2	1.0
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	PI/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				688	690.5	693		
10	PI/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				692.5	690.5	692.5		
5	PI/2 BPSK	1	1	24.05	24.12	24.06	25.2	0.0

n41_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.			
				Channel	508202	518598			
				Frequency (MHz)	2548.01	2592.99	2640		
100	PI2 BPSK	1	1	21.77	21.78	21.63			
100	PI2 BPSK	1	137	22.51	22.59	22.48	23.4	0.0	
100	PI2 BPSK	1	271	21.07	21.70	21.63	23.4	0.0	
100	PI2 BPSK	135	0	22.35	22.36	22.31	23.4	0.0	
100	PI2 BPSK	135	69	22.51	22.54	22.48	23.4	0.0	
100	PI2 BPSK	135	138	22.35	22.37	22.33	23.4	0.0	
100	PI2 BPSK	270	0	22.35	22.37	22.31	23.4	0.0	
100	QPSK	1	1	21.84	21.87	21.81			
100	QPSK	1	137	22.53	22.58	22.37	23.4	0.0	
100	QPSK	1	271	21.83	21.82	21.84			
100	QPSK	135	0	22.35	22.32	22.32			
100	QPSK	135	69	22.53	22.56	22.51	23.4	0.0	
100	QPSK	135	138	22.43	22.32	22.37			
100	QPSK	270	0	22.35	22.31	22.36	23.4	0.0	
100	16QAM	1	1	21.37	21.45	21.46	22.4	0.0	
100	64QAM	1	1	21.46	21.48	21.47	22.4	0.0	
100	256QAM	1	1	20.91	20.93	20.95	21.9	1.5	
Channel				508200	518598	528998	tune-up limit (dbm)	MPR (db)	
90	PI2 BPSK	1	1	21.72	21.67	21.60	23.4	0.0	
Channel				507204	518598	529998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2538.02	2592.99	2649.99	limit (db)		
80	PI2 BPSK	1	1	21.62	21.68	21.50	23.4	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655	limit (db)		
70	PI2 BPSK	1	1	21.05	21.63	21.54	23.4	0.0	
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98	limit (db)		
60	PI2 BPSK	1	1	21.77	21.67	21.68	23.4	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99	limit (db)		
50	PI2 BPSK	1	1	21.90	21.94	21.66	23.4	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2518.01	2592.99	2670	limit (db)		
40	PI2 BPSK	1	1	21.88	21.84	21.68	23.4	0.0	
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98	limit (db)		
30	PI2 BPSK	1	1	21.85	21.85	21.73	23.4	0.0	
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99	limit (db)		
20	PI2 BPSK	1	1	21.86	21.79	21.72	23.4	0.0	

n41_Ant 0(HPUE)											
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)			
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.					
				Channel			508202	518598	528000		
				Frequency (MHz)			2548.01	2592.99	2640		
100	PI2 BPSK	1	1	24.51	24.54	24.48	26.4	0.0			
100	PI2 BPSK	1	137	25.12	25.23	25.10					
100	PI2 BPSK	1	271	24.46	24.53	24.42					
100	PI2 BPSK	135	0	25.09	25.15	25.05					
100	PI2 BPSK	135	69	25.12	25.16	25.09	26.4	0.0			
100	PI2 BPSK	135	138	25.09	25.11	25.01					
100	PI2 BPSK	270	0	25.07	25.15	25.01					
100	QPSK	1	1	24.48	24.52	24.47					
100	QPSK	1	137	25.19	25.22	25.16	26.4	0.0			
100	QPSK	1	271	24.46	24.51	24.43					
100	QPSK	135	0	24.59	24.61	24.51					
100	QPSK	135	69	25.14	25.21	25.16					
100	QPSK	135	138	24.50	24.55	24.54	26.4	0.0			
100	QPSK	270	0	24.56	24.59	24.58					
100	16QAM	1	1	23.58	23.67	23.62				25.4	1.0
100	64QAM	1	1	22.17	22.21	22.19				23.9	2.5
100	256QAM	1	1	21.08	21.16	21.15	21.9	4.5			
				Channel			508200	518598	528998	tune-up limit (dbm)	MPR (db)
				Frequency (MHz)			2541	2592.99	2644.98		
90	PI2 BPSK	1	1	24.49	24.67	24.60	26.4	0.0	0.0		
				Channel			507204	518598	529998	tune-up limit (dbm)	MPR (db)
				Frequency (MHz)			2536.02	2592.99	2649.99	limit (db)	
80	PI2 BPSK	1	1	24.61	24.65	24.59	26.4	0.0	0.0		
				Channel			506202	518598	531000	tune-up limit (dbm)	MPR (db)
				Frequency (MHz)			2531.01	2592.99	2655	limit (db)	
70	PI2 BPSK	1	1	24.47	24.50	24.55	26.4	0.0	0.0		
				Channel			505200	518598	531998	tune-up limit (dbm)	MPR (db)
				Frequency (MHz)			2526	2592.99	2659.98	limit (db)	
60	PI2 BPSK	1	1	24.63	24.71	24.68	26.4	0.0	0.0		
				Channel			504204	518598	532998	tune-up limit (dbm)	MPR (db)
				Frequency (MHz)			2521.02	2592.99	2664.99	limit (db)	
50	PI2 BPSK	1	1	24.61	24.75	24.62	26.4	0.0	0.0		
				Channel			503202	518598	534000	tune-up limit (dbm)	MPR (db)
				Frequency (MHz)			2518.01	2592.99	2670	limit (db)	
40	PI2 BPSK	1	1	24.62	24.70	24.77	26.4	0.0	0.0		
				Channel			502200	518598	534998	tune-up limit (dbm)	MPR (db)
				Frequency (MHz)			2511	2592.99	2674.98	limit (db)	
30	PI2 BPSK	1	1	24.65	24.69	24.70	26.4	0.0	0.0		
				Channel			501204	518598	535998	tune-up limit (dbm)	MPR (db)
				Frequency (MHz)			2506.02	2592.99	2679.99	limit (db)	
20	PI2 BPSK	1	1	24.76	24.63	24.71	26.4	0.0	0.0		

n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
				Channel	518598	518598			
				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	21.56	21.80	21.50			
100	PI2 BPSK	1	137	22.10	22.17	22.11	22.9		0.0
100	PI2 BPSK	1	271	21.49	21.52	21.52			
100	PI2 BPSK	135	0	21.94	22.01	21.95			
100	PI2 BPSK	135	69	22.08	22.11	22.07	22.9		0.0
100	PI2 BPSK	135	138	21.81	21.96	21.81			
100	PI2 BPSK	270	0	21.96	21.98	21.86			
100	QPSK	1	1	21.47	21.53	21.51	22.9		0.0
100	QPSK	1	137	22.13	22.09	21.99	22.9		0.0
100	QPSK	1	271	21.51	21.57	21.49			
100	QPSK	135	0	21.95	22.00	21.82			
100	QPSK	135	69	22.09	22.08	22.07	22.9		0.0
100	QPSK	135	138	21.85	21.94	21.83			
100	QPSK	270	0	21.76	21.86	21.82	22.9		0.0
100	16QAM	1	1	21.32	21.26	21.26	22.9		0.0
100	64QAM	1	1	21.34	21.39	21.30	22.9		0.0
100	256QAM	1	1	20.77	20.76	20.89	22.9		0.0
Channel				508200	518598	529998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98	limit (db)		
90	PI2 BPSK	1	1	21.54	21.59	21.45	22.9		0.0
Channel				507204	518598	529998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99	limit (db)		
80	PI2 BPSK	1	1	21.55	21.59	21.48	22.9		0.0
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655	limit (db)		
70	PI2 BPSK	1	1	21.52	21.59	21.45	22.9		0.0
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98	limit (db)		
60	PI2 BPSK	1	1	21.55	21.59	21.46	22.9		0.0
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99	limit (db)		
50	PI2 BPSK	1	1	21.55	21.55	21.49	22.9		0.0
Channel				503202	518598	533998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2516.01	2592.99	2670	limit (db)		
40	PI2 BPSK	1	1	21.52	21.58	21.49	22.9		0.0
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98	limit (db)		
30	PI2 BPSK	1	1	21.55	21.56	21.48	22.9		0.0
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99	limit (db)		
20	PI2 BPSK	1	1	21.51	21.59	21.48	22.9		0.0



n41_Ant 1(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dbm)			Turn-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				509202	518998	528000			
Frequency (MHz)				2592.99	2692.99	2740			
100	P2/BPSK	1	1	24.03	24.11	24.08			
100	P2/BPSK	1	137	24.84	24.89	24.78	25.9	0.0	
100	P2/BPSK	1	271	24.07	24.07	24.00	25.9	0.0	
100	P2/BPSK	135	0	24.62	24.68	24.64	25.9	0.0	
100	P2/BPSK	135	69	24.84	24.88	24.78	25.9	0.0	
100	P2/BPSK	135	138	24.80	24.71	24.49	25.9	0.0	
100	P2/BPSK	270	0	24.96	24.95	24.62	25.9	0.0	
100	QPSK	1	1	24.00	24.06	24.01			
100	QPSK	1	137	24.77	24.79	24.74	25.9	0.0	
100	QPSK	1	271	23.97	24.02	24.03			
100	QPSK	135	0	24.99	24.61	24.54	25.9	0.0	
100	QPSK	135	69	24.79	24.76	24.74			
100	QPSK	135	138	24.53	24.62	24.55			
100	QPSK	270	0	24.53	24.62	24.51	25.4	0.5	
100	16QAM	1	1	23.84	23.85	23.63	25.4	0.5	
100	64QAM	1	1	22.16	22.22	22.18	23.9	2.0	
100	256QAM	1	1	21.08	21.14	21.05	21.9	4.0	
Channel				50200	51898	52896	turn-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	P2/BPSK	1	1	24.01	24.06	24.05	25.9	0.0	
Channel				507204	51898	52998	turn-up limit (dB)	MPR	
Frequency (MHz)				2543.02	2592.99	2649.99	(dB)		
80	P2/BPSK	1	1	24.02	24.08	24.05	25.9	0.0	
Channel				506202	51898	531000	turn-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2645	(dB)		
70	P2/BPSK	1	1	23.99	24.06	24.05	25.9	0.0	
Channel				505200	51898	531996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	P2/BPSK	1	1	24.02	24.07	24.06	25.9	0.0	
Channel				505204	51898	532000	turn-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)		
50	P2/BPSK	1	1	23.99	24.06	24.03	25.9	0.0	
Channel				503202	51898	534000	turn-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	P2/BPSK	1	1	24.00	24.07	24.03	25.9	0.0	
Channel				502200	51898	534996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	P2/BPSK	1	1	24.00	24.07	24.06	25.9	0.0	
Channel				50204	51898	532000	turn-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)		
20	P2/BPSK	1	1	24.02	24.07	24.05	25.9	0.0	

n41_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				506202	518998	528000			
Frequency (MHz)				2546.01	2592.99	2644.98			
100	P2/BPSK	1	1	14.69	14.52	14.51			
100	P2/BPSK	1	137	15.12	15.33	14.62	16.2	0.0	
100	P2/BPSK	1	271	14.53	14.62	14.66			
100	P2/BPSK	135	0	15.02	15.11	15.00	16.2	0.0	
100	P2/BPSK	135	69	15.23	15.30	14.84	16.2	0.0	
100	P2/BPSK	135	138	15.11	15.28	15.06			
100	P2/BPSK	270	0	15.16	15.21	15.11	16.2	0.0	
100	QPSK	1	1	14.26	14.21	14.21			
100	QPSK	1	137	14.68	14.95	14.29	16.2	0.0	
100	QPSK	1	271	14.33	14.23	14.41			
100	QPSK	135	0	14.62	14.75	14.52			
100	QPSK	135	69	14.89	14.95	14.25	16.2	0.0	
100	QPSK	135	138	14.78	14.71	14.99			
100	QPSK	270	0	14.71	14.74	14.62	16.2	0.0	
100	16QAM	1	1	13.93	13.96	14.12	15.2	1.0	
100	64QAM	1	1	13.93	13.97	14.17	15.2	1.0	
100	256QAM	1	1	13.43	13.48	13.61	14.7	1.5	
Channel				502000	518998	528996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2541 <th>2592.99</th> <th>2644.98</th> <th>(dB)</th> <th></th> <th></th>	2592.99	2644.98	(dB)		
90	P2/BPSK	1	1	14.44	14.47	14.27	16.2	0.0	
Channel				502004	518998	529000	limit (dB)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)		
80	P2/BPSK	1	1	14.46	14.48	14.39	16.2	0.0	
Channel				506202	518998	531000	turn-up limit (dB)	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dB)		
70	P2/BPSK	1	1	14.43	14.48	14.29	16.2	0.0	
Channel				505200	518998	531996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	P2/BPSK	1	1	14.61	14.71	14.36	16.2	0.0	
Channel				505204	518998	532000	turn-up limit (dB)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)		
50	P2/BPSK	1	1	14.60	14.57	14.35	16.2	0.0	
Channel				503202	518998	534000	turn-up limit (dB)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	P2/BPSK	1	1	14.61	14.67	14.53	16.2	0.0	
Channel				502200	518998	534996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	P2/BPSK	1	1	14.50	14.60	14.35	16.2	0.0	
Channel				502004	518998	532000	turn-up limit (dB)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)		
20	P2/BPSK	1	1	14.57	14.74	14.44	16.2	0.0	

n41_Ant 3(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				506202	518986	528000			
Frequency (MHz)				2546.01	2592.99	2644.99			
100	P2/BPSK	1	1	17.30	17.36	17.53			
100	P2/BPSK	1	137	17.78	18.12	17.41	19.2	0.0	
100	P2/BPSK	1	271	17.29	17.33	17.51			
100	P2/BPSK	135	0	17.70	17.71	17.22	18.7	0.5	
100	P2/BPSK	135	69	17.82	18.02	17.41	19.2	0.0	
100	P2/BPSK	135	138	17.68	17.31	17.84	18.7	0.5	
100	P2/BPSK	270	0	17.59	17.68	17.56			
100	QPSK	1	1	17.21	17.23	17.41			
100	QPSK	1	137	17.39	18.11	17.41	19.2	0.0	
100	QPSK	1	271	17.25	17.29	17.43			
100	QPSK	135	0	17.24	17.26	17.71			
100	QPSK	135	69	17.57	17.82	17.41	19.2	0.0	
100	QPSK	135	138	17.34	17.28	17.72			
100	QPSK	270	0	17.23	17.31	17.42	18.2	1.0	
100	16QAM	1	1	16.20	16.22	16.57	18.2	1.0	
100	64QAM	1	1	14.79	14.83	15.16	16.7	2.5	
100	256QAM	1	1	13.78	13.82	14.11	14.7	4.5	
Channel				50200	51898	52896	turn-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	P2/BPSK	1	1	17.21	17.33	17.28	19.2	0.0	
Channel				507204	518986	529998	turn-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)		
80	P2/BPSK	1	1	17.25	17.29	17.23	19.2	0.0	
Channel				506202	518986	531000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2645	(dB)		
70	P2/BPSK	1	1	17.23	17.29	17.21	19.2	0.0	
Channel				505200	518986	531996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)		
60	P2/BPSK	1	1	17.25	17.27	17.28	19.2	0.0	
Channel				505204	518986	532000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)		
50	P2/BPSK	1	1	17.22	17.29	17.22	19.2	0.0	
Channel				503202	518986	534000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	P2/BPSK	1	1	17.20	17.27	17.26	19.2	0.0	
Channel				502200	518986	534996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	P2/BPSK	1	1	17.21	17.27	17.27	19.2	0.0	
Channel				50204	518986	532000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)		
20	P2/BPSK	1	1	17.20	17.22	17.21	19.2	0.0	

n41_Ant 4									
Average Power (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505002	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.40	17.50	17.31	19.2	0.0	
100	PI/2 BPSK	1	137	18.24	18.30	17.93			
100	PI/2 BPSK	1	231	17.25	17.32	17.32			
100	PI/2 BPSK	135	0	17.85	17.96	17.91			
100	PI/2 BPSK	135	69	18.14	18.24	17.94	19.2	0.0	
100	PI/2 BPSK	135	138	17.71	17.78	17.72	19.2	0.0	
100	PI/2 BPSK	270	0	17.87	17.89	17.81			
100	QPSK	1	1	17.35	17.40	17.38	19.2	0.0	
100	QPSK	1	137	18.15	18.18	17.84			
100	QPSK	1	271	17.24	17.23	17.30			
100	QPSK	135	0	17.88	17.92	17.84			
100	QPSK	135	69	18.12	18.16	17.74	19.2	0.0	
100	QPSK	135	138	17.84	17.73	17.73			
100	QPSK	270	0	17.82	17.83	17.49	19.2	0.0	
100	16QAM	1	1	18.23	17.97	18.06	19.2	0.0	
100	64QAM	1	1	18.20	18.13	18.11	19.2	0.0	
100	256QAM	1	1	18.13	18.02	17.95	18.7	0.5	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	17.39	17.45	17.30	19.2	0.0	
Channel				505204	518598	529998	limit (dB)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	17.36	17.46	17.29	19.2	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PI/2 BPSK	1	1	17.35	17.48	17.30	19.2	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	17.38	17.45	17.27	19.2	0.0	
Channel				504204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	17.39	17.48	17.28	19.2	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	17.38	17.46	17.27	19.2	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	17.37	17.46	17.28	19.2	0.0	
Channel				501204	518598	535998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	17.39	17.46	17.28	19.2	0.0	

n41_Ant 4(HPUE)									
Average Power (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505002	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.33	20.41	20.32	22.2	0.0	
100	PI/2 BPSK	1	137	21.32	21.39	21.00			
100	PI/2 BPSK	1	231	20.29	20.25	20.29			
100	PI/2 BPSK	135	0	21.01	21.01	21.04			
100	PI/2 BPSK	135	69	21.21	21.33	20.98	22.2	0.0	
100	PI/2 BPSK	135	138	20.79	20.92	20.85	22.2	0.0	
100	PI/2 BPSK	270	0	21.02	21.09	20.65			
100	QPSK	1	1	20.43	20.41	20.41	22.2	0.0	
100	QPSK	1	137	21.25	21.34	20.96			
100	QPSK	1	271	20.25	20.27	20.32			
100	QPSK	135	0	20.92	21.00	21.00			
100	QPSK	135	69	21.24	21.20	20.90	22.2	0.0	
100	QPSK	135	138	20.72	20.84	20.80			
100	QPSK	270	0	20.86	20.98	20.55	22.2	0.0	
100	16QAM	1	1	20.31	20.33	20.34	22.2	0.0	
100	64QAM	1	1	19.16	19.24	19.19	20.7	1.5	
100	256QAM	1	1	18.11	18.12	18.06	18.7	3.5	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PI/2 BPSK	1	1	20.29	20.37	20.27	22.2	0.0	
Channel				505204	518598	529998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	20.30	20.39	20.27	22.2	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	PI/2 BPSK	1	1	20.28	20.38	20.31	22.2	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PI/2 BPSK	1	1	20.28	20.38	20.28	22.2	0.0	
Channel				504204	518598	532998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	20.28	20.39	20.28	22.2	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	20.28	20.38	20.30	22.2	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	PI/2 BPSK	1	1	20.30	20.37	20.30	22.2	0.0	
Channel				501204	518598	535998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	20.28	20.37	20.29	22.2	0.0	

n77(Part 27Q)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		10.04		11.2	0.0	
100	Pi2 BPSK	1	137		10.07				
100	Pi2 BPSK	1	271		9.91		11.2	0.0	
100	Pi2 BPSK	135	0		10.47				
100	Pi2 BPSK	135	69		10.63		11.2	0.0	
100	Pi2 BPSK	135	138		10.46				
100	Pi2 BPSK	270	0		10.44		11.2	0.0	
100	QPSK	1	1		10.05				
100	QPSK	1	137		10.56		11.2	0.0	
100	QPSK	1	271		9.84				
100	QPSK	135	0		10.46		11.2	0.0	
100	QPSK	135	69		10.54				
100	QPSK	135	138		10.36		11.2	0.0	
100	QPSK	270	0		10.46				
100	16QAM	1	1		9.77		11.2	0.0	
100	64QAM	1	1		9.82				
100	256QAM	1	1		10.38		11.2	0.0	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	Pi2 BPSK	1	1		10.00	9.98	10.00	11.2	0.0
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510 <th></th> <th></th> <th></th>			
80	Pi2 BPSK	1	1		9.96	10.00	9.97	11.2	0.0
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.51 <th>3500.01</th> <th>3514.98<th></th><th></th><th></th></th>	3500.01	3514.98 <th></th> <th></th> <th></th>			
70	Pi2 BPSK	1	1		9.98	9.98	9.99	11.2	0.0
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480 <th>3500.01</th> <th>3519.99<th></th><th></th><th></th></th>	3500.01	3519.99 <th></th> <th></th> <th></th>			
60	Pi2 BPSK	1	1		9.98	10.02	9.99	11.2	0.0
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02 <th>3500.01</th> <th>3525<th></th><th></th><th></th></th>	3500.01	3525 <th></th> <th></th> <th></th>			
50	Pi2 BPSK	1	1		9.97	10.03	9.97	11.2	0.0
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01 <th>3500.01</th> <th>3528.99<th></th><th></th><th></th></th>	3500.01	3528.99 <th></th> <th></th> <th></th>			
40	Pi2 BPSK	1	1		9.95	9.98	9.97	11.2	0.0
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465 <th>3500.01</th> <th>3534.99<th></th><th></th><th></th></th>	3500.01	3534.99 <th></th> <th></th> <th></th>			
30	Pi2 BPSK	1	1		9.96	10.00	9.96	11.2	0.0
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02 <th>3500.01</th> <th>3539.98<th></th><th></th><th></th></th>	3500.01	3539.98 <th></th> <th></th> <th></th>			
25	Pi2 BPSK	1	1		10.00	10.03	9.98	11.2	0.0
Channel				630334	633334	636300	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01 <th>3500.01</th> <th>3540<th></th><th></th><th></th></th>	3500.01	3540 <th></th> <th></th> <th></th>			
20	Pi2 BPSK	1	1		9.95	10.02	9.95	11.2	0.0
Channel				630000	633334	636668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.5 <th>3500.01</th> <th>3542.49<th></th><th></th><th></th></th>	3500.01	3542.49 <th></th> <th></th> <th></th>			
15	Pi2 BPSK	1	1		9.97	10.01	9.98	11.2	0.0
Channel				630334	633334	636992	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01 <th>3500.01</th> <th>3544.98<th></th><th></th><th></th></th>	3500.01	3544.98 <th></th> <th></th> <th></th>			
10	Pi2 BPSK	1	1		9.96	9.98	9.97	11.2	0.0

n77(Part 27Q)_Ant 3(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				3500.01					
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		13.02		14.2	0.0	
100	Pi2 BPSK	1	137		13.06				
100	Pi2 BPSK	1	271		12.91		14.2	0.0	
100	Pi2 BPSK	135	0		13.51				
100	Pi2 BPSK	135	69		13.00		14.2	0.0	
100	Pi2 BPSK	135	138		13.45				
100	Pi2 BPSK	270	0		13.46		14.2	0.0	
100	QPSK	1	1		13.00				
100	QPSK	1	137		13.60		14.2	0.0	
100	QPSK	1	271		12.88				
100	QPSK	135	0		13.45		14.2	0.0	
100	QPSK	135	69		13.53				
100	QPSK	135	138		13.41		14.2	0.0	
100	QPSK	270	0		13.42				
100	16QAM	1	1		12.77		14.2	0.0	
100	64QAM	1	1		12.82				
100	256QAM	1	1		13.35		14.2	0.0	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	Pi2 BPSK	1	1		12.92	13.01	12.95	14.2	0.0
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	Pi2 BPSK	1	1		12.96	13.00	12.99	14.2	0.0
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	Pi2 BPSK	1	1		12.95	12.85	12.99	14.2	0.0
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	Pi2 BPSK	1	1		12.98	12.99	12.93	14.2	0.0
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	Pi2 BPSK	1	1		13.00	12.95	12.96	14.2	0.0
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.99			
40	Pi2 BPSK	1	1		12.98	12.98	12.96	14.2	0.0
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	Pi2 BPSK	1	1		12.99	12.95	12.97	14.2	0.0
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3539.98			
25	Pi2 BPSK	1	1		12.94	12.98	12.92	14.2	0.0
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
20	Pi2 BPSK	1	1		12.94	12.98	12.95	14.2	0.0
Channel				630000	633334	636668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.5	3500.01	3549.49			
15	Pi2 BPSK	1	1		12.94	12.96	12.95	14.2	0.0
Channel				630334	633334	636992	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	Pi2 BPSK	1	1		12.93	13.01	12.97	14.2	0.0

n77(Part 27Q)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				650000					
Frequency (MHz)				3705	3840	3930			
100	Pi2 BPSK	1	1	9.37	9.43	9.33	11.2	0.0	
100	Pi2 BPSK	1	137	10.11	10.17	9.96			
100	Pi2 BPSK	1	271	9.28	9.34	9.20	11.2	0.0	
100	Pi2 BPSK	135	0	9.98	9.99	9.91			
100	Pi2 BPSK	135	69	10.07	10.11	9.82	11.2	0.0	
100	Pi2 BPSK	135	138	9.89	10.00	9.93			
100	Pi2 BPSK	270	0	9.95	9.97	9.76	11.2	0.0	
100	QPSK	1	1	9.27	9.32	9.25			
100	QPSK	1	137	10.01	10.06	9.90	11.2	0.0	
100	QPSK	1	271	9.31	9.36	9.25			
100	QPSK	135	0	9.87	9.96	9.90	11.2	0.0	
100	QPSK	135	69	9.92	10.08	9.82			
100	QPSK	135	138	9.82	9.91	9.86	11.2	0.0	
100	QPSK	270	0	9.79	9.89	9.66			
100	16QAM	1	1	9.28	9.35	9.26	11.2	0.0	
100	64QAM	1	1	9.33	9.31	9.29			
100	256QAM	1	1	9.60	9.72	9.70	11.2	0.0	
Channel				646958 <th>662332</th> <th></th> <th></th>					
Frequency (MHz)				3744.98	3840	394.98	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
90	Pi2 BPSK	1	1	9.35	9.39	9.31	11.2	0.0	
Channel				646334 <th>660606</th> <th></th> <th></th>					
Frequency (MHz)				3745.01 <th>3840</th> <th>393.99<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3840	393.99 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
80	Pi2 BPSK	1	1	9.34	9.39	9.30	11.2	0.0	
Channel				646340 <th>662003<th></th><th></th></th>					
Frequency (MHz)				3735 <th>3840</th> <th>3945<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3840	3945 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
70	Pi2 BPSK	1	1	9.33	9.39	9.32	11.2	0.0	
Channel				646868 <th>663332<th></th><th></th></th>					
Frequency (MHz)				3735.01 <th>3840</th> <th>394.99<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3840	394.99 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
60	Pi2 BPSK	1	1	9.33	9.42	9.30	11.2	0.0	
Channel				646334 <th>663686<th></th><th></th></th>					
Frequency (MHz)				3725.01 <th>3840</th> <th>3954.99<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3840	3954.99 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
50	Pi2 BPSK	1	1	9.32	9.37	9.28	11.2	0.0	
Channel				646800 <th>660700<th></th><th></th></th>					
Frequency (MHz)				3720 <th>3840<th>3960<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th></th>	3840 <th>3960<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3960 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
40	Pi2 BPSK	1	1	9.33	9.37	9.28	11.2	0.0	
Channel				647688 <th>660432<th></th><th></th></th>					
Frequency (MHz)				3715.02 <th>3840<th>3954.98<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th></th>	3840 <th>3954.98<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3954.98 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
30	Pi2 BPSK	1	1	9.32	9.40	9.32	11.2	0.0	
Channel				647600 <th>665400<th></th><th></th></th>					
Frequency (MHz)				3712.5 <th>3840<th>3967.5<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th></th>	3840 <th>3967.5<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3967.5 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
25	Pi2 BPSK	1	1	9.35	9.41	9.32	11.2	0.0	
Channel				647334 <th>664666<th></th><th></th></th>					
Frequency (MHz)				3710.01 <th>3840<th>3959.99<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th></th>	3840 <th>3959.99<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3959.99 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
20	Pi2 BPSK	1	1	9.34	9.41	9.29	11.2	0.0	
Channel				647168 <th>664682<th></th><th></th></th>					
Frequency (MHz)				3707.52 <th>3840<th>3972.48<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th></th>	3840 <th>3972.48<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3972.48 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
15	Pi2 BPSK	1	1	9.36	9.40	9.31	11.2	0.0	
Channel				647000 <th>664600<th></th><th></th></th>					
Frequency (MHz)				3705 <th>3840<th>3975<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th></th>	3840 <th>3975<th>11.2<td>0.0</td><td>MPR (dB)</td></th></th>	3975 <th>11.2<td>0.0</td><td>MPR (dB)</td></th>	11.2 <td>0.0</td> <td>MPR (dB)</td>	0.0	MPR (dB)
10	Pi2 BPSK	1	1	9.32	9.40	9.32	11.2	0.0	

n77(Part 27O)_Ant 3(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Turn-up limit (dbm)	MPR (db)	
				Power Low Ch / Freq. 650000	Power Middle Ch / Freq. 650000	Power High Ch / Freq. 650000			
Channel									
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	12.35	12.38	12.35			
100	PV2 BPSK	1	137	13.14	13.15	12.96	14.2	0.0	
100	PV2 BPSK	1	271	12.30	12.33	12.25			
100	PV2 BPSK	135	0	12.95	12.99	12.94	14.2	0.0	
100	PV2 BPSK	135	69	13.06	13.10	12.82	14.2	0.0	
100	PV2 BPSK	135	138	12.90	12.95	12.91			
100	PV2 BPSK	270	0	12.91	12.97	12.73	14.2	0.0	
100	QPSK	1	1	12.25	12.35	12.29			
100	QPSK	1	137	13.03	13.11	12.87	14.2	0.0	
100	QPSK	1	271	12.28	12.33	12.23			
100	QPSK	135	0	12.91	12.96	12.89			
100	QPSK	135	69	12.96	13.05	12.79			
100	QPSK	135	138	12.86	12.92	12.87			
100	QPSK	270	0	12.83	12.91	12.62	14.2	0.0	
100	16QAM	1	1	12.29	12.38	12.28	14.2	0.0	
100	64QAM	1	1	12.30	12.35	12.25	14.2	0.0	
100	256QAM	1	1	12.65	12.74	12.66	14.2	0.0	
Channel									
Frequency (MHz)				3745.02	3840	3934.98	turn-up limit (dbm)	MPR (db)	
90	PV2 BPSK	1	1	12.33	12.31	12.30	14.2	0.0	
Channel									
Frequency (MHz)				3740.01	3840	3939.99	turn-up limit (dbm)	MPR (db)	
80	PV2 BPSK	1	1	12.34	12.31	12.34	14.2	0.0	
Channel									
Frequency (MHz)				649000	650000	650000	turn-up limit (dbm)	MPR (db)	
70	PV2 BPSK	1	1	12.33	12.32	12.30	14.2	0.0	
Channel									
Frequency (MHz)				648668	650000	653332	turn-up limit (dbm)	MPR (db)	
60	PV2 BPSK	1	1	12.30	12.31	12.34	14.2	0.0	
Channel									
Frequency (MHz)				3725.01	3840	3954.99	turn-up limit (dbm)	MPR (db)	
50	PV2 BPSK	1	1	12.30	12.37	12.31	14.2	0.0	
Channel									
Frequency (MHz)				648000	650000	654000	turn-up limit (dbm)	MPR (db)	
40	PV2 BPSK	1	1	12.32	12.36	12.32	14.2	0.0	
Channel									
Frequency (MHz)				647668	650000	654332	turn-up limit (dbm)	MPR (db)	
30	PV2 BPSK	1	1	12.33	12.33	12.30	14.2	0.0	
Channel									
Frequency (MHz)				3712.5	3840	3967.5	turn-up limit (dbm)	MPR (db)	
25	PV2 BPSK	1	1	12.32	12.35	12.33	14.2	0.0	
Channel									
Frequency (MHz)				647334	650000	654666	turn-up limit (dbm)	MPR (db)	
20	PV2 BPSK	1	1	12.33	12.34	12.34	14.2	0.0	
Channel									
Frequency (MHz)				647168	650000	654832	turn-up limit (dbm)	MPR (db)	
15	PV2 BPSK	1	1	12.34	12.36	12.34	14.2	0.0	
Channel									
Frequency (MHz)				3705	3840	3975	turn-up limit (dbm)	MPR (db)	
10	PV2 BPSK	1	1	12.31	12.32	12.34	14.2	0.0	

n77(Part 27Q)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq			
Channel				3600.01					
Frequency (MHz)									
100	PV2 BPSK	1	1	13.27					
100	PV2 BPSK	1	137	13.14	14.14		15.2	0.0	
100	PV2 BPSK	1	271	13.27					
100	PV2 BPSK	135	0	13.91			15.2	0.0	
100	PV2 BPSK	135	69	13.98	13.98		15.2	0.0	
100	PV2 BPSK	135	138	13.82			15.2	0.0	
100	PV2 BPSK	270	0	13.91					
100	QPSK	1	1	14.08			15.2	0.0	
100	QPSK	1	137	14.31					
100	QPSK	1	271	13.27					
100	QPSK	135	0	13.89			15.2	0.0	
100	QPSK	135	69	13.92					
100	QPSK	135	138	13.79					
100	QPSK	270	0	13.90			15.2	0.0	
100	16QAM	1	1	13.34			15.2	0.0	
100	64QAM	1	1	13.34			15.2	0.0	
100	256QAM	1	1	13.45			15.2	0.0	
Channel				633000	633334	633666	turn-up limit (dBm)	MPR (dB)	
90	PV2 BPSK	1	1	13.16	13.26	13.21	15.2	0.0	
Channel				3490.02	3500.01	3510	turn-up limit (dBm)	MPR (dB)	
80	PV2 BPSK	1	1	13.23	13.22	13.24	15.2	0.0	
Channel				632334	633334	634332	turn-up limit (dBm)	MPR (dB)	
70	PV2 BPSK	1	1	13.20	13.24	13.22	15.2	0.0	
Channel				632000	633334	634666	turn-up limit (dBm)	MPR (dB)	
60	PV2 BPSK	1	1	13.21	13.25	13.19	15.2	0.0	
Channel				631668	633334	635000	turn-up limit (dBm)	MPR (dB)	
50	PV2 BPSK	1	1	13.17	13.20	13.17	15.2	0.0	
Channel				631334	633334	635332	turn-up limit (dBm)	MPR (dB)	
40	PV2 BPSK	1	1	13.19	13.23	13.19	15.2	0.0	
Channel				631000	633334	635666	turn-up limit (dBm)	MPR (dB)	
30	PV2 BPSK	1	1	13.19	13.24	13.21	15.2	0.0	
Channel				3475.02	3500.01	3537.48	turn-up limit (dBm)	MPR (dB)	
25	PV2 BPSK	1	1	13.23	13.21	13.20	15.2	0.0	
Channel				630868	633334	636000	turn-up limit (dBm)	MPR (dB)	
20	PV2 BPSK	1	1	13.20	13.25	13.23	15.2	0.0	
Channel				630500	633334	636166	turn-up limit (dBm)	MPR (dB)	
15	PV2 BPSK	1	1	13.20	13.24	13.22	15.2	0.0	
Channel				3455.01	3500.01	3544.98	turn-up limit (dBm)	MPR (dB)	
10	PV2 BPSK	1	1	13.21	13.24	13.22	15.2	0.0	

n77(Part 27Q)_Ant 4(HPUE)									
Average Power (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Turn-up limit (dBm)	MPR (dB)	
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	P12 BPSK	1	1	16.35					
100	P12 BPSK	1	137	17.19			18.2	0.0	
100	P12 BPSK	1	271	16.29					
100	P12 BPSK	135	0	16.97			18.2	0.0	
100	P12 BPSK	135	69	16.96			18.2	0.0	
100	P12 BPSK	135	138	16.86			18.2	0.0	
100	P12 BPSK	270	0	16.92					
100	QPSK	1	1	16.31					
100	QPSK	1	137	17.12			18.2	0.0	
100	QPSK	1	271	16.33					
100	QPSK	135	0	16.95			18.2	0.0	
100	QPSK	135	69	16.84					
100	QPSK	135	138	16.78					
100	QPSK	270	0	16.84			18.2	0.0	
100	16QAM	1	1	16.39			18.2	0.0	
100	64QAM	1	1	16.35			18.2	0.0	
100	256QAM	1	1	16.38			18.2	0.0	
Channel				633000	633334	633666		MPR	
Frequency (MHz)				3496	3500.01	3504.00	turn-up limit (dBm)		
90	P12 BPSK	1	1	16.28	16.32	16.28	18.2	0.0	
Channel				632668	633334	634000		MPR	
Frequency (MHz)				3490.02	3500.01	3510	limit (dBm)		
80	P12 BPSK	1	1	16.29	16.29	16.29	18.2	0.0	
Channel				632334	633334	634332	turn-up limit (dBm)		
Frequency (MHz)				3485.01	3500.01	3514.98	limit (dBm)		
70	P12 BPSK	1	1	16.30	16.32	16.30	18.2	0.0	
Channel				632000	633334	634666	turn-up limit (dBm)	MPR	
Frequency (MHz)				3470.00	3500.01	3519.99	limit (dBm)		
Channel				631668	633334	635000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3462.00	3504.00	3520.00	limit (dBm)		
60	P12 BPSK	1	1	16.32	16.34	16.30	18.2	0.0	
Channel				631332	633334	635000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3500.01	3525	limit (dBm)		
50	P12 BPSK	1	1	16.30	16.28	16.29	18.2	0.0	
Channel				631000	633334	635332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	limit (dBm)		
40	P12 BPSK	1	1	16.32	16.33	16.31	18.2	0.0	
Channel				631000	633334	635666	turn-up limit (dBm)	MPR	
Frequency (MHz)				3465	3500.01	3524.99	limit (dBm)		
30	P12 BPSK	1	1	16.31	16.28	16.30	18.2	0.0	
Channel				630634	633334	635832	turn-up limit (dBm)	MPR	
Frequency (MHz)				3462.51	3500.01	3537.48	limit (dBm)		
25	P12 BPSK	1	1	16.29	16.31	16.29	18.2	0.0	
Channel				630668	633334	636000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3500.01	3540.00	limit (dBm)		
20	P12 BPSK	1	1	16.27	16.33	16.28	18.2	0.0	
Channel				630500	633334	636166	turn-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	limit (dBm)		
15	P12 BPSK	1	1	16.30	16.32	16.28	18.2	0.0	
Channel				630264	633334	636332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	limit (dBm)		
10	P12 BPSK	1	1	16.31	16.32	16.28	18.2	0.0	

n77(Part 27O)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	13.20	13.31	13.21			
100	PV2 BPSK	1	137	14.34	14.38	14.25	15.2	0.0	
100	PV2 BPSK	1	271	13.29	13.32	13.30			
100	PV2 BPSK	135	0	13.95	14.06	14.06	15.2	0.0	
100	PV2 BPSK	135	69	14.22	14.30	14.19	15.2	0.0	
100	PV2 BPSK	135	138	13.92	14.02	13.95			
100	PV2 BPSK	270	0	14.08	14.10	13.98	15.2	0.0	
100	QPSK	1	1	13.30	13.35	13.24			
100	QPSK	1	137	14.28	14.38	14.31	15.2	0.0	
100	QPSK	1	271	13.28	13.32	13.28			
100	QPSK	135	0	13.95	14.09	14.01			
100	QPSK	135	69	14.14	14.16	14.09	15.2	0.0	
100	QPSK	135	138	13.97	14.01	13.88			
100	QPSK	270	0	13.95	14.03	13.98	15.2	0.0	
100	16QAM	1	1	13.26	13.31	13.25	15.2	0.0	
100	64QAM	1	1	13.22	13.31	13.21	15.2	0.0	
100	256QAM	1	1	13.32	13.33	13.32	15.2	0.0	
Channel				649686	656000	662332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98			
90	PV2 BPSK	1	1	13.10	13.27	13.16	15.2	0.0	
Channel				649334	655000	660666	turn-up limit (dB)		
Frequency (MHz)				3740.01	3840	3939.99			
80	PV2 BPSK	1	1	13.11	13.29	13.13	15.2	0.0	
Channel				649000	656000	663000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3734	3840	3945			
70	PV2 BPSK	1	1	13.11	13.30	13.12	15.2	0.0	
Channel				648686	656000	663332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98			
60	PV2 BPSK	1	1	13.16	13.27	13.11	15.2	0.0	
Channel				648334	656000	663666	turn-up limit (dB)		
Frequency (MHz)				3725.01	3840	3954.99			
50	PV2 BPSK	1	1	13.12	13.28	13.14	15.2	0.0	
Channel				648000	656000	664000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3950			
40	PV2 BPSK	1	1	13.13	13.28	13.16	15.2	0.0	
Channel				647686	656000	664332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3964.98			
30	PV2 BPSK	1	1	13.17	13.26	13.12	15.2	0.0	
Channel				647334	656000	664666	turn-up limit (dB)		
Frequency (MHz)				3712.5	3840	3967.5			
25	PV2 BPSK	1	1	13.17	13.29	13.17	15.2	0.0	
Channel				647334	656000	664666	turn-up limit (dBm)	MPR	
Frequency (MHz)				3710.51	3840	3969.59			
20	PV2 BPSK	1	1	13.17	13.27	13.12	15.2	0.0	
Channel				647186	656000	664832	turn-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3840	3972.48			
15	PV2 BPSK	1	1	13.13	13.29	13.12	15.2	0.0	
Channel				647000	656000	665000	turn-up limit (dB)		
Frequency (MHz)				3705	3840	3975			
10	PV2 BPSK	1	1	13.13	13.29	13.16	15.2	0.0	

n77(Part 27O)_Ant 4(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				3750	3640	3630			
Frequency (MHz)				13.20	13.33	13.25			
100	PV2 BPSK	1	1	18.23	18.33	18.25			
100	PV2 BPSK	1	137	17.34	17.35	17.30	18.2	0.0	
100	PV2 BPSK	1	271	18.24	18.28	18.30			
100	PV2 BPSK	135	0	17.01	17.14	17.04	18.2	0.0	
100	PV2 BPSK	135	69	17.15	17.31	17.14	18.2	0.0	
100	PV2 BPSK	135	138	16.80	16.98	16.91			
100	PV2 BPSK	270	0	17.04	17.29	16.98	18.2	0.0	
100	QPSK	1	1	18.31	18.27	18.27			
100	QPSK	1	137	17.25	17.28	17.29	18.2	0.0	
100	QPSK	1	271	18.25	18.31	18.27			
100	QPSK	135	0	16.96	17.04	16.97			
100	QPSK	135	69	17.05	17.20	17.10	18.2	0.0	
100	QPSK	135	138	16.94	16.95	16.98			
100	QPSK	270	0	17.04	17.03	16.92	18.2	0.0	
100	16QAM	1	1	18.28	18.33	18.29	18.2	0.0	
100	64QAM	1	1	18.26	18.29	18.21	18.2	0.0	
100	256QAM	1	1	18.25	18.33	18.32	18.2	0.0	
Channel				649686	656000	662332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98			
90	PV2 BPSK	1	1	18.27	18.27	18.21	18.2	0.0	
Channel				649334	656000	660666	turn-up limit (dB)		
Frequency (MHz)				3740.01	3840	3939.99			
80	PV2 BPSK	1	1	18.21	18.31	18.21	18.2	0.0	
Channel				649000	656000	663000	turn-up limit (dB)	MPR	
Frequency (MHz)				3734	3840	3945			
70	PV2 BPSK	1	1	18.21	18.28	18.20	18.2	0.0	
Channel				648686	656000	663332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98			
60	PV2 BPSK	1	1	18.23	18.32	18.23	18.2	0.0	
Channel				648334	656000	663666	turn-up limit (dB)	MPR	
Frequency (MHz)				3725.01	3840	3954.99			
50	PV2 BPSK	1	1	18.26	18.28	18.22	18.2	0.0	
Channel				648000	656000	664000	turn-up limit (dB)	MPR	
Frequency (MHz)				3720	3840	3950			
40	PV2 BPSK	1	1	18.25	18.27	18.23	18.2	0.0	
Channel				647686	656000	664332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3964.98			
30	PV2 BPSK	1	1	18.27	18.30	18.24	18.2	0.0	
Channel				647334	656000	664666	turn-up limit (dB)	MPR	
Frequency (MHz)				3712.5	3840	3967.5			
25	PV2 BPSK	1	1	18.24	18.26	18.24	18.2	0.0	
Channel				647334	656000	664666	turn-up limit (dB)	MPR	
Frequency (MHz)				3710.51	3840	3969.59			
20	PV2 BPSK	1	1	18.27	18.31	18.22	18.2	0.0	
Channel				647186	656000	664832	turn-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3840	3972.48			
15	PV2 BPSK	1	1	18.26	18.30	18.24	18.2	0.0	
Channel				647000	656000	665000	turn-up limit (dB)	MPR	
Frequency (MHz)				3705	3840	3975			
10	PV2 BPSK	1	1	18.25	18.27	18.24	18.2	0.0	

n77(Part 27Q)_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Turn-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.			
Channel				3500.01					
Frequency (MHz)				18.34					
100	PV2 BPSK	1	1	18.34			18.2	0.0	
100	PV2 BPSK	1	137	17.26					
100	PV2 BPSK	1	271	18.36					
100	PV2 BPSK	135	0	16.96			18.2	0.0	
100	PV2 BPSK	135	69	17.14			18.2	0.0	
100	PV2 BPSK	135	138	16.92			18.2	0.0	
100	PV2 BPSK	270	0	17.01					
100	QPSK	1	1	18.31					
100	QPSK	1	137	17.22			18.2	0.0	
100	QPSK	1	271	18.34					
100	QPSK	135	0	16.93			18.2	0.0	
100	QPSK	135	69	17.04					
100	QPSK	135	138	16.85					
100	QPSK	270	0	16.91			18.2	0.0	
100	16QAM	1	1	18.30			18.2	0.0	
100	64QAM	1	1	18.39			18.2	0.0	
100	256QAM	1	1	18.39			18.2	0.0	
Channel				633000	633334	633666	turn-up limit (dBm)	MPR	
Frequency (MHz)				3495	3500.01	3504.99			
90	PV2 BPSK	1	1	18.25	18.33	18.26	18.2	0.0	
Channel				632500	633334	634000	limit (dBm)		
Frequency (MHz)				3490.02	3500.01	3510			
80	PV2 BPSK	1	1	18.24	18.33	18.27	18.2	0.0	
Channel				632334	633334	634332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3500.01	3514.99			
70	PV2 BPSK	1	1	18.27	18.32	18.28	18.2	0.0	
Channel				632000	633334	634666	turn-up limit (dBm)	MPR	
Frequency (MHz)				3480	3500.01	3519.99			
60	PV2 BPSK	1	1	18.29	18.33	18.29	18.2	0.0	
Channel				631666	633334	635000	limit (dBm)		
Frequency (MHz)				3475.02	3500.01	3525			
50	PV2 BPSK	1	1	18.27	18.30	18.31	18.2	0.0	
Channel				631334	633334	635332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3500.01	3529.99			
40	PV2 BPSK	1	1	18.29	18.30	18.30	18.2	0.0	
Channel				631000	633334	635666	turn-up limit (dBm)	MPR	
Frequency (MHz)				3465	3500.01	3534.99			
30	PV2 BPSK	1	1	18.31	18.33	18.28	18.2	0.0	
Channel				630666	633334	636000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3500.01	3540			
20	PV2 BPSK	1	1	18.32	18.32	18.29	18.2	0.0	
Channel				630330	633334	636336	turn-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PV2 BPSK	1	1	18.32	18.30	18.27	18.2	0.0	
Channel				630334	633334	636332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3454.01	3500.01	3544.99			
10	PV2 BPSK	1	1	18.26	18.32	18.25	18.2	0.0	

n77(Part 27Q)_Ant 5(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PV2 BPSK	1	1	19.36			21.2	0.0	
100	PV2 BPSK	1	137	20.26					
100	PV2 BPSK	1	271	19.26					
100	PV2 BPSK	135	0	19.96			21.2	0.0	
100	PV2 BPSK	135	69	20.12					
100	PV2 BPSK	135	138	19.96					
100	PV2 BPSK	270	0	20.04			21.2	0.0	
100	QPSK	1	1	19.26					
100	QPSK	1	137	20.19					
100	QPSK	1	271	19.25			21.2	0.0	
100	QPSK	135	0	19.96					
100	QPSK	135	69	20.05					
100	QPSK	135	138	19.95			21.2	0.0	
100	QPSK	270	0	19.97					
100	16QAM	1	1	19.37					
100	64QAM	1	1	19.38			21.2	0.0	
100	256QAM	1	1	19.40			21.2	0.0	
Channel				633000	633334	633666	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3495	3500.01	3504.99	limit (dBm)		
90	PV2 BPSK	1	1	19.31	19.31	19.29	21.2	0.0	
Channel				632666	633334	634000	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3490.02	3500.01	3510	limit (dBm)		
80	PV2 BPSK	1	1	19.29	19.30	19.26	21.2	0.0	
Channel				632334	633334	634332	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3485.61	3500.01	3514.08	limit (dBm)		
70	PV2 BPSK	1	1	19.29	19.32	19.30	21.2	0.0	
Channel				632000	633334	634666	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3480	3500.01	3519.99	limit (dBm)		
60	PV2 BPSK	1	1	19.29	19.34	19.27	21.2	0.0	
Channel				631666	633334	635000	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3475.02	3500.01	3525	limit (dBm)		
50	PV2 BPSK	1	1	19.29	19.33	19.31	21.2	0.0	
Channel				631334	633334	635332	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3470.61	3500.01	3528.08	limit (dBm)		
40	PV2 BPSK	1	1	19.29	19.30	19.29	21.2	0.0	
Channel				631000	633334	635666	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3465	3500.01	3534.99	limit (dBm)		
30	PV2 BPSK	1	1	19.27	19.34	19.26	21.2	0.0	
Channel				630534	633334	635912	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3462.51	3500.01	3537.48	limit (dBm)		
25	PV2 BPSK	1	1	19.30	19.33	19.29	21.2	0.0	
Channel				630666	633334	636000	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3460.62	3500.01	3540	limit (dBm)		
20	PV2 BPSK	1	1	19.30	19.34	19.29	21.2	0.0	
Channel				630500	633334	636166	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3457.5	3500.01	3542.49	limit (dBm)		
15	PV2 BPSK	1	1	19.30	19.33	19.29	21.2	0.0	
Channel				630334	633334	636332	turn-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3455.01	3500.01	3544.98	limit (dBm)		
10	PV2 BPSK	1	1	19.30	19.34	19.27	21.2	0.0	

n77(Part 27O)_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				650000	656000	652000			
Frequency (MHz)				3720	3840	3960			
100	PV2 BPSK	1	1	18.30	18.41	18.30	18.2	0.0	
100	PV2 BPSK	1	137	17.29	17.32	17.22			
100	PV2 BPSK	1	271	18.37	18.39	18.38			
100	PV2 BPSK	135	0	16.92	17.02	16.86	18.2	0.0	
100	PV2 BPSK	135	69	17.15	17.19	17.12			
100	PV2 BPSK	135	138	16.97	17.06	16.90			
100	PV2 BPSK	270	0	16.95	17.03	16.98	18.2	0.0	
100	QPSK	1	1	18.25	18.39	18.30			
100	QPSK	1	137	17.28	17.25	17.20	18.2		0.0
100	QPSK	1	271	18.38	18.43	18.33			
100	QPSK	135	0	16.93	16.96	16.84	18.2	0.0	
100	QPSK	135	69	17.04	17.12	17.04			
100	QPSK	135	138	16.86	16.96	17.01			
100	QPSK	270	0	16.94	16.99	17.00	18.2	0.0	
100	16QAM	1	1	18.25	18.34	18.25	18.2	0.0	
100	64QAM	1	1	18.22	18.27	18.23	18.2	0.0	
100	256QAM	1	1	18.22	18.24	18.28	18.2	0.0	
Channel				649668	650000	650332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	limit (dBm)		
90	PV2 BPSK	1	1	16.27	16.39	16.29	18.2	0.0	
Channel				649334	650000	650666	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99	limit (dBm)		
80	PV2 BPSK	1	1	16.29	16.39	16.29	18.2	0.0	
Channel				649000	650000	650300	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3734	3840	3944	limit (dBm)		
70	PV2 BPSK	1	1	16.27	16.37	16.26	18.2	0.0	
Channel				648668	650000	650332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	limit (dBm)		
60	PV2 BPSK	1	1	16.27	16.37	16.26	18.2	0.0	
Channel				648334	650000	650666	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99	limit (dBm)		
50	PV2 BPSK	1	1	16.29	16.37	16.25	18.2	0.0	
Channel				648000	650000	650400	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	limit (dBm)		
40	PV2 BPSK	1	1	16.25	16.39	16.27	18.2	0.0	
Channel				647668	650000	650432	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98	limit (dBm)		
30	PV2 BPSK	1	1	16.25	16.38	16.29	18.2	0.0	
Channel				647334	650000	650900	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	limit (dBm)		
25	PV2 BPSK	1	1	16.25	16.38	16.29	18.2	0.0	
Channel				647334	650000	650666	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.61	3840	3969.99	limit (dBm)		
20	PV2 BPSK	1	1	16.25	16.38	16.26	18.2	0.0	
Channel				647168	650000	650432	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48	limit (dBm)		
15	PV2 BPSK	1	1	16.26	16.40	16.28	18.2	0.0	
Channel				647000	650000	650300	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3708	3840	3975	limit (dBm)		
10	PV2 BPSK	1	1	16.27	16.36	16.26	18.2	0.0	

n77(Part 27O)_Ant 5(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	19.29	19.34	19.28	21.2	0.0	
100	PV2 BPSK	1	137	20.29	20.32	20.26			
100	PV2 BPSK	1	271	19.31	19.47	19.40			
100	PV2 BPSK	135	0	19.91	20.01	19.88	21.2	0.0	
100	PV2 BPSK	135	69	20.12	20.18	20.13			
100	PV2 BPSK	135	138	19.95	20.02	19.95			
100	PV2 BPSK	270	0	20.02	20.05	19.99	21.2	0.0	
100	QPSK	1	1	19.34	19.31	19.27			
100	QPSK	1	137	20.22	20.29	20.16	21.2	0.0	
100	QPSK	1	271	19.32	19.38	19.32			
100	QPSK	135	0	19.93	19.92	19.88	21.2	0.0	
100	QPSK	135	69	20.13	20.17	20.06			
100	QPSK	135	138	19.87	20.00	19.91	21.2	0.0	
100	QPSK	270	0	19.94	20.04	19.98			
100	16QAM	1	1	19.31	19.26	19.27	21.2	0.0	
100	16QAM	1	1	19.25	19.27	19.31			
100	256QAM	1	1	19.20	19.26	19.22	21.2	0.0	
Channel				646668	650000	662332			
Frequency (MHz)				3744.02	3840	3934.98			
90	PV2 BPSK	1	1	19.26	19.32	19.25	21.2	0.0	
Channel				645334	656000	662666			
Frequency (MHz)				3740.01	3840	3839.99			
80	PV2 BPSK	1	1	19.27	19.33	19.23	21.2	0.0	
Channel				649000	656000	663000			
Frequency (MHz)				3740.01	3840	3839.99			
70	PV2 BPSK	1	1	19.24	19.30	19.25	21.2	0.0	
Channel				646668	650000	663332			
Frequency (MHz)				3730.02	3840	3949.98			
60	PV2 BPSK	1	1	19.24	19.30	19.27	21.2	0.0	
Channel				647334	656000	663666			
Frequency (MHz)				3732.01	3840	3954.99			
50	PV2 BPSK	1	1	19.27	19.33	19.26	21.2	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720.01	3840	3964.98			
40	PV2 BPSK	1	1	19.25	19.29	19.25	21.2	0.0	
Channel				647668	650000	664332			
Frequency (MHz)				3715.02	3840	3964.98			
30	PV2 BPSK	1	1	19.28	19.30	19.23	21.2	0.0	
Channel				650000	656000	664000			
Frequency (MHz)				3712.5	3840	3967.5			
25	PV2 BPSK	1	1	19.27	19.31	19.26	21.2	0.0	
Channel				647334	656000	664666			
Frequency (MHz)				3710.01	3840	3969.99			
20	PV2 BPSK	1	1	19.26	19.31	19.27	21.2	0.0	
Channel				647166	656000	664832			
Frequency (MHz)				3707.52	3840	3972.48			
16	PV2 BPSK	1	1	19.27	19.29	19.25	21.2	0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3700.01	3840	3975.01			
10	PV2 BPSK	1	1	19.24	19.32	19.23	21.2	0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3700.01	3840	3975.01			

n77(Part 27Q)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334	3500.01				
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		17.10		18.7	0.0	
100	PI/2 BPSK	1	137		17.62				
100	PI/2 BPSK	1	271		17.26				
100	PI/2 BPSK	135	0		17.61		18.7	0.0	
100	PI/2 BPSK	135	69		17.73				
100	PI/2 BPSK	135	138		17.64				
100	PI/2 BPSK	270	0		17.74		18.7	0.0	
100	QPSK	1	1		17.09				
100	QPSK	1	137		17.72				
100	QPSK	1	271		17.18		18.7	0.0	
100	QPSK	135	0		17.56				
100	QPSK	135	69		17.74				
100	QPSK	135	138		17.56		18.7	0.0	
100	QPSK	270	0		17.67				
100	16QAM	1	1		17.06				
100	64QAM	1	1		16.86		18.7	0.0	
100	256QAM	1	1		14.55		15.2	3.5	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	17.03	17.06	17.00	18.7	0.0	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1	17.04	17.06	17.02	18.7	0.0	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1	17.00	17.06	17.01	18.7	0.0	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	17.01	17.06	17.01	18.7	0.0	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	17.00	17.06	17.02	18.7	0.0	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	17.01	17.08	17.02	18.7	0.0	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	17.01	17.06	17.02	18.7	0.0	
Channel				630668	633334	635932	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI/2 BPSK	1	1	17.02	17.06	17.01	18.7	0.0	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	17.01	17.08	17.03	18.7	0.0	
Channel				630500	633334	636168	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI/2 BPSK	1	1	17.04	17.07	17.02	18.7	0.0	
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI/2 BPSK	1	1	17.02	17.08	17.02	18.7	0.0	

n77(Part 27Q)_Ant 6(HPUe)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		20.12		21.7	0.0	
100	PI/2 BPSK	1	137		20.63				
100	PI/2 BPSK	1	271		20.20				
100	PI/2 BPSK	135	0		20.67		21.7	0.0	
100	PI/2 BPSK	135	69		20.73				
100	PI/2 BPSK	135	138		20.57				
100	PI/2 BPSK	270	0		20.66		21.7	0.0	
100	QPSK	1	1		20.07				
100	QPSK	1	137		20.79				
100	QPSK	1	271		20.21		21.7	0.0	
100	QPSK	135	0		20.65				
100	QPSK	135	69		20.71				
100	QPSK	135	138		20.56		21.7	0.0	
100	QPSK	270	0		20.68				
100	16QAM	1	1		20.00				
100	64QAM	1	1		19.82		20.2	1.5	
100	256QAM	1	1		17.04		18.2	3.5	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	PI/2 BPSK	1	1	20.05	20.07	20.04	21.7	0.0	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	PI/2 BPSK	1	1	20.06	20.07	20.02	21.7	0.0	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	PI/2 BPSK	1	1	20.06	20.08	20.01	21.7	0.0	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	PI/2 BPSK	1	1	20.05	20.08	20.03	21.7	0.0	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	PI/2 BPSK	1	1	20.07	20.06	20.00	21.7	0.0	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	PI/2 BPSK	1	1	20.03	20.07	20.04	21.7	0.0	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	PI/2 BPSK	1	1	20.04	20.09	20.01	21.7	0.0	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	PI/2 BPSK	1	1	20.06	20.06	20.04	21.7	0.0	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	PI/2 BPSK	1	1	20.06	20.07	20.04	21.7	0.0	
Channel				630500	633334	636168	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	PI/2 BPSK	1	1	20.07	20.06	20.01	21.7	0.0	
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	PI/2 BPSK	1	1	20.07	20.10	20.04	21.7	0.0	

n77(Part 270)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				655000	656000	662000			
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI/2 BPSK	1	1	17.18	17.29	17.17	18.7	0.0	
100	PI/2 BPSK	1	137	17.92	17.98	17.89			
100	PI/2 BPSK	1	271	17.27	17.35	17.28			
100	PI/2 BPSK	135	0	17.77	17.83	17.80	18.7	0.0	
100	PI/2 BPSK	135	69	17.83	17.97	17.90	18.7	0.0	
100	PI/2 BPSK	135	138	17.74	17.86	17.74	18.7	0.0	
100	PI/2 BPSK	270	0	17.76	17.85	17.74			
100	QPSK	1	1	17.20	17.18	17.10			
100	QPSK	1	137	17.86	17.92	17.80	18.7	0.0	
100	QPSK	1	271	17.22	17.27	17.17			
100	QPSK	135	0	17.86	17.74	17.72			
100	QPSK	135	69	17.84	17.95	17.82	18.7	0.0	
100	QPSK	135	138	17.72	17.79	17.76			
100	QPSK	270	0	17.72	17.89	17.76			
100	16QAM	1	1	17.09	17.12	17.05	18.7	0.0	
100	64QAM	1	1	16.86	16.90	16.80	18.7	0.0	
100	256QAM	1	1	14.81	14.69	14.64	15.2	3.5	
Channel				648668	656000	662332	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3745.02	3840	3934.98			
90	PI/2 BPSK	1	1	17.15	17.24	17.15	18.7	0.0	
Channel				645334	652000	658666	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3740.01	3840	3939.99			
80	PI/2 BPSK	1	1	17.13	17.28	17.16	18.7	0.0	
Channel				649000	656000	663000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3735	3840	3945 <th></th> <th></th> <th></th>			
70	PI/2 BPSK	1	1	17.15	17.27	17.13	18.7	0.0	
Channel				648668	656000	663332	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1	17.13	17.26	17.12	18.7	0.0	
Channel				645334	652000	658666	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3725.01	3840	3954.99			
50	PI/2 BPSK	1	1	17.15	17.24	17.13	18.7	0.0	
Channel				648000	656000	664000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3720	3840	3960			
40	PI/2 BPSK	1	1	17.14	17.26	17.16	18.7	0.0	
Channel				647668	656000	664332	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3715.02	3840	3964.98			
30	PI/2 BPSK	1	1	17.14	17.28	17.15	18.7	0.0	
Channel				645330	652000	658500	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3712.5	3840	3967.5			
25	PI/2 BPSK	1	1	17.17	17.26	17.14	18.7	0.0	
Channel				647334	656000	664666	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3710.01	3840	3969.99			
20	PI/2 BPSK	1	1	17.13	17.28	17.13	18.7	0.0	
Channel				647168	656000	664832	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3707.52	3840	3972.48			
15	PI/2 BPSK	1	1	17.16	17.26	17.13	18.7	0.0	
Channel				647000	656000	665000	tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				3705	3840	3975			
10	PI/2 BPSK	1	1	17.13	17.25	17.16	18.7	0.0	

n77(Part 270)_Ant 6(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
				655000	656000	662000			
Channel				3750	3840	3930			
Frequency (MHz)									
100	PI/2 BPSK	1	1	20.22	20.26	20.16	21.7	0.0	
100	PI/2 BPSK	1	137	20.89	21.03	20.93			
100	PI/2 BPSK	1	271	20.24	20.34	20.27			
100	PI/2 BPSK	135	0	20.82	20.81	20.72	21.7	0.0	
100	PI/2 BPSK	135	69	20.86	21.00	20.89	21.7	0.0	
100	PI/2 BPSK	135	138	20.79	20.85	20.78	21.7	0.0	
100	PI/2 BPSK	270	0	20.75	20.81	20.73			
100	QPSK	1	1	20.15	20.24	20.12			
100	QPSK	1	137	20.93	20.98	20.85	21.7	0.0	
100	QPSK	1	271	20.19	20.25	20.14			
100	QPSK	135	0	20.89	20.76	20.75			
100	QPSK	135	69	20.84	20.94	20.84	21.7	0.0	
100	QPSK	135	138	20.75	20.75	20.73			
100	QPSK	270	0	20.76	20.83	20.74			
100	16QAM	1	1	20.06	20.20	20.10	21.7	0.0	
100	64QAM	1	1	18.68	18.81	18.70	20.2	1.5	
100	256QAM	1	1	17.20	17.23	17.18	18.2	3.5	
Channel				648668	656000	662332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3745.02	3840	3934.98			
90	PI/2 BPSK	1	1	20.21	20.25	20.14	21.7	0.0	
Channel				649334	656000	662666	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3740.01	3840	3939.99			
80	PI/2 BPSK	1	1	20.19	20.24	20.13	21.7	0.0	
Channel				649000	656000	663000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3735	3840	3940			
70	PI/2 BPSK	1	1	20.17	20.21	20.14	21.7	0.0	
Channel				648668	656000	663332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3730.02	3840	3949.98			
60	PI/2 BPSK	1	1	20.19	20.22	20.13	21.7	0.0	
Channel				649334	656000	663666	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3725.01	3840	3954.99			
50	PI/2 BPSK	1	1	20.17	20.24	20.14	21.7	0.0	
Channel				648000	656000	664000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3720	3840	3960			
40	PI/2 BPSK	1	1	20.19	20.25	20.16	21.7	0.0	
Channel				647668	656000	664332	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3715.02	3840	3964.98			
30	PI/2 BPSK	1	1	20.20	20.23	20.14	21.7	0.0	
Channel				645330	656000	663500	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3712.5	3840	3967.5			
25	PI/2 BPSK	1	1	20.19	20.25	20.15	21.7	0.0	
Channel				647334	656000	664666	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3710.01	3840	3969.99			
20	PI/2 BPSK	1	1	20.20	20.26	20.17	21.7	0.0	
Channel				647168	656000	664832	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3707.52	3840	3972.48			
15	PI/2 BPSK	1	1	20.20	20.25	20.15	21.7	0.0	
Channel				647000	656000	665000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3705	3840	3975			
10	PI/2 BPSK	1	1	20.19	20.22	20.15	21.7	0.0	



Conducted Power for DSI 9

n2_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	376000	380000			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.52	23.56	23.41	24.7	0.0	
20	Pl2 BPSK	1	53	23.59	23.66	23.54			
20	Pl2 BPSK	1	104	23.54	23.55	23.42			
20	Pl2 BPSK	50	0	23.61	23.61	23.52	24.2	0.5	
20	Pl2 BPSK	50	26	23.63	23.64	23.60	24.7	0.0	
20	Pl2 BPSK	50	56	23.62	23.62	23.49	24.2	0.5	
20	Pl2 BPSK	100	0	23.60	23.63	23.52			
20	QPSK	1	1	23.48	23.52	23.42			
20	QPSK	1	53	23.57	23.61	23.52	24.7	0.0	
20	QPSK	1	104	23.48	23.52	23.36			
20	QPSK	50	0	23.09	23.06	23.01	23.7	1.0	
20	QPSK	50	26	23.61	23.63	23.61	24.7	0.0	
20	QPSK	50	56	23.12	23.13	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.15	22.99			
20	16QAM	1	1	22.74	22.78	22.64	23.7	1.0	
20	64QAM	1	1	21.28	21.31	21.16	22.2	2.5	
20	256QAM	1	1	19.84	19.85	19.76	20.2	4.5	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	23.51	23.55	23.53	24.7	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	23.33	23.41	23.34	24.7	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	23.59	23.62	23.56	24.7	0.0	

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	376000	380000			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	23.47	23.47	23.35	24.7	0.0	
20	Pl2 BPSK	1	53	23.56	23.62	23.47			
20	Pl2 BPSK	1	104	23.50	23.52	23.33			
20	Pl2 BPSK	50	0	23.55	23.56	23.46	24.2	0.5	
20	Pl2 BPSK	50	26	23.57	23.61	23.51	24.7	0.0	
20	Pl2 BPSK	50	56	23.56	23.59	23.46	24.2	0.5	
20	Pl2 BPSK	100	0	23.58	23.60	23.46			
20	QPSK	1	1	23.44	23.46	23.32			
20	QPSK	1	53	23.52	23.56	23.45	24.7	0.0	
20	QPSK	1	104	23.43	23.46	23.26			
20	QPSK	50	0	23.04	23.05	22.96	23.7	1.0	
20	QPSK	50	26	23.59	23.57	23.45	24.7	0.0	
20	QPSK	50	56	23.05	23.12	22.98	23.7	1.0	
20	QPSK	100	0	23.12	23.11	23.00			
20	16QAM	1	1	22.64	22.72	22.59	23.7	1.0	
20	64QAM	1	1	21.23	21.23	21.12	22.2	2.5	
20	256QAM	1	1	19.81	19.85	19.66	20.2	4.5	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	23.46	23.52	23.47	24.7	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	23.29	23.34	23.29	24.7	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	23.48	23.56	23.50	24.7	0.0	

n2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
				372000	376000	380000			
Channel									
Frequency (MHz)									
20	Pl2 BPSK	1	1	21.38	21.41	21.25	22.7	0.0	
20	Pl2 BPSK	1	53	21.47	21.54	21.44			
20	Pl2 BPSK	1	104	21.43	21.42	21.22			
20	Pl2 BPSK	50	0	21.46	21.46	21.38	22.2	0.5	
20	Pl2 BPSK	50	26	21.51	21.52	21.42	22.7	0.0	
20	Pl2 BPSK	50	56	21.46	21.47	21.38	22.2	0.5	
20	Pl2 BPSK	100	0	21.46	21.51	21.45			
20	QPSK	1	1	21.41	21.46	21.28			
20	QPSK	1	53	21.46	21.50	21.36	22.7	0.0	
20	QPSK	1	104	21.42	21.36	21.25			
S	QPSK	50	0	21.47	21.43	21.42	21.7	1.0	
20	QPSK	50	26	21.51	21.52	21.41	22.7	0.0	
20	QPSK	50	56	21.49	21.53	21.38	21.7	1.0	
20	QPSK	100	0	21.51	21.51	21.42			
20	16QAM	1	1	21.11	21.17	21.03	21.7	1.0	
20	64QAM	1	1	19.69	19.71	19.58	20.2	2.5	
20	256QAM	1	1	18.18	18.19	18.08	18.2	4.5	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	21.42	21.48	21.44	22.7	0.0	
Channel									
Frequency (MHz)									
10	Pl2 BPSK	1	1	21.16	21.24	21.18	22.7	0.0	
Channel									
Frequency (MHz)									
5	Pl2 BPSK	1	1	21.46	21.47	21.41	22.7	0.0	

n25_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	P12 BPSK	1	1	23.38	23.49	23.45	24.7	0.0	
40	P12 BPSK	1	108	23.98	24.04	24.02			
40	P12 BPSK	1	214	23.47	23.48	23.53	24.2	0.5	
40	P12 BPSK	108	0	23.37	23.45	23.45			
40	P12 BPSK	108	54	24.01	24.02	24.01	24.2	0.5	
40	P12 BPSK	108	108	23.34	23.44	23.38			
40	P12 BPSK	216	0	23.41	23.45	23.42	24.7	0.0	
40	QPSK	1	1	23.48	23.45	23.45			
40	QPSK	1	108	23.95	24.01	24.00	23.7	1.0	
40	QPSK	1	214	23.45	23.47	23.51			
40	QPSK	108	0	22.88	22.95	22.94	23.7	1.0	
40	QPSK	108	54	23.98	24.01	24.01			
40	QPSK	108	108	22.85	22.94	22.83	23.7	1.0	
40	QPSK	216	0	22.84	22.85	22.82			
40	16QAM	1	1	22.15	22.21	22.20	23.7	1.0	
40	64QAM	1	1	20.68	20.76	20.73			
40	256QAM	1	1	19.28	19.31	19.30	20.2	4.5	
Channel				372500	376500	380500	turn-up limit (dbm)	MPR (db)	
Frequency (MHz)				1895	1882.5	1900	18.1		
30	P12 BPSK	1	1	23.60	23.62	23.58	24.7	0.0	
Channel				372500	376500	380500	turn-up limit (db)	MPR (db)	
Frequency (MHz)				1892.5	1882.5	1902.5	18.1		
25	P12 BPSK	1	1	23.81	23.85	23.81	24.7	0.0	
Channel				372000	376500	381000	turn-up limit (db)	MPR (db)	
Frequency (MHz)				1860	1862.5	1905	18.1		
20	P12 BPSK	1	1	23.96	23.98	23.92	24.7	0.0	
Channel				371500	376500	381500	turn-up limit (db)	MPR (db)	
Frequency (MHz)				1857.5	1882.5	1907.5	18.1		
15	P12 BPSK	1	1	23.90	24.02	23.94	24.7	0.0	
Channel				371000	376500	382000	turn-up limit (db)	MPR (db)	
Frequency (MHz)				1855	1862.5	1910	18.1		
10	P12 BPSK	1	1	23.90	23.99	23.91	24.7	0.0	
Channel				370500	376500	382500	turn-up limit (db)	MPR (db)	
Frequency (MHz)				1852.5 <td>1882.5</td> <td>1912.5</td> <td>18.1</td>	1882.5	1912.5	18.1		
5	P12 BPSK	1	1	23.90	24.01	23.93	24.7	0.0	

n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				374000	376500	379000			
Frequency (MHz)				1870	1882.5	1895			
40	P12 BPSK	1	1	23.35	23.49	23.45	24.7	0.0	
40	P12 BPSK	1	108	23.94	24.00	23.97			
40	P12 BPSK	1	214	23.45	23.45	23.44	24.2	0.5	
40	P12 BPSK	108	0	23.38	23.38	23.34			
40	P12 BPSK	108	54	23.93	23.98	23.95	24.2	0.5	
40	P12 BPSK	108	108	23.43	23.29	23.33			
40	P12 BPSK	216	0	23.38	23.40	23.36	24.7	0.0	
40	QPSK	1	1	23.31	23.43	23.42			
40	QPSK	1	108	23.92	23.98	23.95	23.7	1.0	
40	QPSK	1	214	23.38	23.41	23.43			
40	QPSK	108	0	22.88	22.89	22.83	23.7	1.0	
40	QPSK	108	54	23.91	23.95	23.92			
40	QPSK	108	108	22.91	22.79	22.75	23.7	1.0	
40	QPSK	216	0	22.88	22.82	22.82			
40	16QAM	1	1	22.08	22.18	22.15	23.7	1.0	
40	64QAM	1	1	20.62	20.73	20.68			
40	256QAM	1	1	19.24	19.32	19.30	20.2	4.5	
Channel				372000	376500	380500	18.1	MPR	
Frequency (MHz)				1895	1882.5	1900	limit (dBm)		
30	P12 BPSK	1	1	23.59	23.62	23.61	24.7	0.0	
Channel				372500	376500	380500	turn-up limit (dB)	MPR	
Frequency (MHz)				1892.5	1882.5	1902.5	18.1		
25	P12 BPSK	1	1	23.75	23.81	23.74	24.7	0.0	
Channel				372000	376500	381000	turn-up limit (dB)	MPR	
Frequency (MHz)				1860	1862.5	1905	limit (dBm)		
20	P12 BPSK	1	1	23.94	23.98	23.97	24.7	0.0	
Channel				371500	376500	381500	turn-up limit (dB)	MPR	
Frequency (MHz)				1857.5	1882.5	1907.5	18.1		
15	P12 BPSK	1	1	23.96	23.99	23.98	24.7	0.0	
Channel				371000	376500	382000	turn-up limit (dB)	MPR	
Frequency (MHz)				1850	1862.5	1910	18.1		
10	P12 BPSK	1	1	23.88	23.91	23.86	24.7	0.0	
Channel				370500	376500	382500	turn-up limit (dB)	MPR	
Frequency (MHz)				1852.5	1882.5	1912.5 <td>18.1</td> <td></td> <td></td>	18.1		
5	P12 BPSK	1	1	23.94	23.98	23.94	24.7	0.0	

n25_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Turn-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
	Channel			374000	376500	379000			
	Frequency (MHz)			1870	1882.5	1895			
40	P12 BPSK	1	1	21.31	21.38	21.38	22.7	0.0	
	P12 BPSK	1	108	21.86	21.89	21.88			
40	P12 BPSK	1	214	21.29	21.31	21.35	22.2	0.5	
	P12 BPSK	108	0	21.81	21.82	21.85			
40	P12 BPSK	108	54	21.85	21.88	21.87	22.7	0.0	
	P12 BPSK	108	108	21.82	21.72	21.71			
40	P12 BPSK	216	0	21.76	21.79	21.75	22.2	0.5	
	QPSK	1	1	21.28	21.34	21.32			
40	QPSK	1	108	21.84	21.88	21.87	22.7	0.0	
	QPSK	1	214	21.35	21.33	21.31			
40	QPSK	108	0	21.28	21.30	21.28	21.7	1.0	
	QPSK	108	54	21.83	21.87	21.86			
40	QPSK	108	108	21.28	21.24	21.22	21.7	1.0	
	QPSK	216	0	21.30	21.25	21.22			
40	16QAM	1	1	20.57	20.61	20.60	21.7	1.0	
	64QAM	1	1	19.13	19.19	19.17			
40	256QAM	1	1	17.71	17.79	17.78	18.2	4.5	
	Channel			372000	376500	380500			
	Frequency (MHz)			1895	1882.5	1900	limit (dbm)	MPR (db)	
30	P12 BPSK	1	1	21.53	21.55	21.49	22.7	0.0	
	Channel			372500	376500	380500	turn-up limit (db)	MPR (db)	
	Frequency (MHz)			1892.5	1882.5	1902.5	18.1		
25	P12 BPSK	1	1	21.69	21.74	21.72	22.7	0.0	
	Channel			372000	376500	381000	turn-up limit (db)	MPR (db)	
	Frequency (MHz)			1860	1862.5	1905	limit (dbm)		
20	P12 BPSK	1	1	21.78	21.85	21.80	22.7	0.0	
	Channel			371500	376500	381500	turn-up limit (db)	MPR (db)	
	Frequency (MHz)			1857.5	1882.5	1907.5	18.1		
15	P12 BPSK	1	1	21.79	21.86	21.80	22.7	0.0	
	Channel			371000	376500	382000	turn-up limit (db)	MPR (db)	
	Frequency (MHz)			1850	1862.5	1910	18.1		
10	P12 BPSK	1	1	21.75	21.81	21.76	22.7	0.0	
	Channel			370500	376500	382500	turn-up limit (db)	MPR (db)	
	Frequency (MHz)			1852.5	1882.5	1912.5	18.1		
5	P12 BPSK	1	1	21.81	21.86	21.82	22.7	0.0	

n66_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				345000	345000	352000		
Channel				1725	1745	1765		
Frequency (MHz)								
40	Pl2 BPSK	1	1	23.51	23.41	23.40	24.7	0.0
40	Pl2 BPSK	1	108	23.95	23.98	23.91		
40	Pl2 BPSK	1	214	23.35	23.38	23.34		
40	Pl2 BPSK	108	0	23.38	23.32	23.35	24.2	0.5
40	Pl2 BPSK	108	54	23.94	23.95	23.92	24.7	0.0
40	Pl2 BPSK	108	108	23.54	23.22	23.54	24.2	0.5
40	Pl2 BPSK	216	0	23.48	23.50	23.42		
40	QPSK	1	1	23.51	23.38	23.38		
40	QPSK	1	108	23.94	23.92	23.89	24.7	0.0
40	QPSK	1	214	23.38	23.35	23.31		
40	QPSK	108	0	22.85	22.81	22.84		
40	QPSK	108	54	23.92	23.94	23.91	24.7	0.0
40	QPSK	108	108	23.02	22.88	23.00	23.7	1.0
40	QPSK	216	0	22.98	22.75	22.91	23.7	1.0
40	16QAM	1	1	22.23	22.13	22.14	23.7	1.0
40	64QAM	1	1	20.78	20.70	20.69	22.2	2.5
40	256QAM	1	1	19.42	19.28	19.31	20.2	4.5
Channel				345000	345000	352000	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1725	1745	1765		
30	Pl2 BPSK	1	1	23.65	23.68	23.60	24.7	0.0
Channel				344500	349000	353500	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1722.5	1745	1767.5		
25	Pl2 BPSK	1	1	23.67	23.62	23.60	24.7	0.0
Channel				344000	349000	354000	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1720	1745	1770		
20	Pl2 BPSK	1	1	23.88	23.92	23.89	24.7	0.0
Channel				343500	349000	354500	1717.5 limit (dbm)	MPR (db)
Frequency (MHz)				1717.5	1745	1772.5		
15	Pl2 BPSK	1	1	23.87	23.95	23.88	24.7	0.0
Channel				343000	349000	355000	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1715	1745	1775		
10	Pl2 BPSK	1	1	23.84	23.92	23.85	24.7	0.0
Channel				342500	349000	355500	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1712.5	1745	1777.5		
5	Pl2 BPSK	1	1	23.87	23.94	23.88	24.7	0.0

n66_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				345000	349000	352000		
Channel				1745	1765	1785		
Frequency (MHz)								
40	PV2 BPSK	1	1	23.28	23.30	23.24	24.7	0.0
40	PV2 BPSK	1	108	23.79	23.82	23.78		
40	PV2 BPSK	1	214	23.20	23.24	23.23		
40	PV2 BPSK	108	0	23.28	23.01	23.33	24.2	0.5
40	PV2 BPSK	108	54	23.78	23.81	23.77	24.7	0.0
40	PV2 BPSK	108	108	23.42	23.00	23.41	24.2	0.5
40	PV2 BPSK	216	0	23.38	23.40	23.37		
40	QPSK	1	1	23.31	23.18	23.21		
40	QPSK	1	108	23.77	23.78	23.77	24.7	0.0
40	QPSK	1	214	23.21	23.21	23.20		
40	QPSK	108	0	22.80	22.49	22.81		
40	QPSK	108	54	23.75	23.77	23.76	24.7	0.0
40	QPSK	108	108	22.92	22.47	22.93	23.7	1.0
40	QPSK	216	0	22.86	22.51	22.83	23.7	1.0
40	16QAM	1	1	22.00	21.98	21.95	23.7	1.0
40	64QAM	1	1	20.59	20.52	20.52	22.2	2.5
40	256QAM	1	1	19.21	19.15	19.13	20.2	4.5
Channel				345000	349000	353000	1745.0 limit (dbm)	MPR (db)
Frequency (MHz)				1725	1745	1765		
30	PV2 BPSK	1	1	23.42	23.47	23.45	24.7	0.0
Channel				344500	349000	353500	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1722.5	1745	1767.5		
25	PV2 BPSK	1	1	23.67	23.72	23.73	24.7	0.0
Channel				344000	349000	354000	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1720	1745	1770		
20	PV2 BPSK	1	1	23.73	23.78	23.73	24.7	0.0
Channel				343500	349000	354500	1717.5 limit (dbm)	MPR (db)
Frequency (MHz)				1717.5	1745	1772.5		
15	PV2 BPSK	1	1	23.72	23.80	23.76	24.7	0.0
Channel				343000	349000	355000	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1715	1745	1775		
10	PV2 BPSK	1	1	23.71	23.75	23.68	24.7	0.0
Channel				342500	349000	355500	tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1712.5	1745	1777.5		
5	PV2 BPSK	1	1	23.75	23.81	23.73	24.7	0.0

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				69.5	660.5	668		
Frequency (MHz)				69.5	660.5	668		
20	Pl/2 BPSK	1	1	23.95	24.04	23.98	25.2	0.0
20	Pl/2 BPSK	1	53	24.10	24.21	24.15		
20	Pl/2 BPSK	1	104	23.98	24.15	24.02		
20	Pl/2 BPSK	50	0	23.51	23.65	23.68	24.7	0.5
20	Pl/2 BPSK	50	28	24.08	24.20	24.13	25.2	0.0
20	Pl/2 BPSK	50	56	23.55	23.66	23.73	24.7	0.5
20	Pl/2 BPSK	100	0	23.53	23.76	23.67		
20	QPSK	1	1	23.91	24.08	23.95		
20	QPSK	1	53	24.05	24.16	24.14	25.2	0.0
20	QPSK	1	104	23.94	24.11	23.95		
20	QPSK	50	0	22.88	23.15	23.16	24.2	1.0
20	QPSK	50	28	24.04	24.18	24.12	25.2	0.0
20	QPSK	50	56	23.08	23.12	23.21	24.2	1.0
20	QPSK	100	0	23.02	23.25	23.18		
20	16QAM	1	1	22.69	22.82	22.72	24.2	1.0
20	64QAM	1	1	21.23	21.42	21.26	22.7	2.5
20	256QAM	1	1	19.97	20.00	19.98	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				69.5	660.5	662.5	662.5	0.0
15	Pl/2 BPSK	1	1	24.02	24.08	24.03	25.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				66.8	660.5	663	663	0.0
10	Pl/2 BPSK	1	1	23.88 <td>23.95<td>23.89</td><td>25.2</td><td>0.0</td></td>	23.95 <td>23.89</td> <td>25.2</td> <td>0.0</td>	23.89	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	660.5	665.5	665.5	0.0
5	Pl/2 BPSK	1	1	24.07	24.08	24.05	25.2	0.0

n71_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up Power (dBm)	MPR (dB)
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				134600	136100	137600		
Channel				660.5	673			
Frequency (MHz)								
20	Pl/2 BPSK	1	1	24.00	24.06	24.01	25.2	0.0
20	Pl/2 BPSK	1	53	24.14	24.19	24.16		
20	Pl/2 BPSK	1	104	23.99	24.08	24.02		
20	Pl/2 BPSK	50	0	23.58	23.68	23.67	24.7	0.5
20	Pl/2 BPSK	50	28	24.13	24.16	24.15	25.2	0.0
20	Pl/2 BPSK	50	56	23.62	23.63	23.72	24.7	0.5
20	Pl/2 BPSK	100	0	23.61	23.77	23.70		
20	QPSK	1	1	23.99	24.07	24.01		
20	QPSK	1	53	24.11	24.17	24.15	25.2	0.0
20	QPSK	1	104	23.97	24.02	23.95		
20	QPSK	50	0	23.08	23.14	23.16	24.2	1.0
20	QPSK	50	28	24.12	24.16	24.14	25.2	0.0
20	QPSK	50	56	23.10	23.09	23.21	24.2	1.0
20	QPSK	100	0	23.06	23.25	23.18		
20	16QAM	1	1	22.74	22.86	22.75	24.2	1.0
20	64QAM	1	1	21.33	21.41	21.35	22.7	2.5
20	256QAM	1	1	20.01	20.04	20.02	20.7	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	683.5	690.5		
15	Pl/2 BPSK	1	1	24.06	24.08	24.04	25.2	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	Pl/2 BPSK	1	1	23.97	23.98	23.91	25.2	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	Pl/2 BPSK	1	1	24.05	24.12	24.05	25.2	0.0

n41_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.			
				Channel	508202	518598			
				Frequency (MHz)	2548.01	2592.99	2640		
100	Pi2 BPSK	1	1	21.77	21.78	21.63	23.4	0.0	
100	Pi2 BPSK	1	137	22.51	22.59	22.48			
100	Pi2 BPSK	1	271	21.07	21.70	21.63			
100	Pi2 BPSK	135	0	22.35	22.36	22.31			
100	Pi2 BPSK	135	69	22.51	22.54	22.48	23.4	0.0	
100	Pi2 BPSK	135	138	22.35	22.37	22.33	23.4	0.0	
100	Pi2 BPSK	270	0	22.35	22.37	22.31			
100	QPSK	1	1	21.84	21.87	21.81			
100	QPSK	1	137	22.53	22.58	22.37			
100	QPSK	1	271	21.83	21.82	21.84	23.4	0.0	
100	QPSK	135	0	22.35	22.32	22.32			
100	QPSK	135	69	22.53	22.56	22.51			
100	QPSK	135	138	22.43	22.32	22.37			
100	QPSK	270	0	22.35	22.31	22.36	23.4	0.0	
100	16QAM	1	1	21.37	21.45	21.46	22.4	1.0	
100	64QAM	1	1	21.46	21.48	21.47	22.4	1.0	
100	256QAM	1	1	20.91	20.93	20.95	21.9	1.5	
Channel				508200	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pi2 BPSK	1	1	21.72	21.67	21.60	23.4	0.0	
Channel				507204	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	Pi2 BPSK	1	1	21.62	21.68	21.50	23.4	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	Pi2 BPSK	1	1	21.05	21.63	21.54	23.4	0.0	
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pi2 BPSK	1	1	21.77	21.67	21.68	23.4	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pi2 BPSK	1	1	21.90	21.94	21.66	23.4	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2518.01	2592.99	2670			
40	Pi2 BPSK	1	1	21.88	21.84	21.68	23.4	0.0	
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pi2 BPSK	1	1	21.85	21.85	21.73	23.4	0.0	
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pi2 BPSK	1	1	21.86	21.79	21.72	23.4	0.0	

n41_Ant 0(PHUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				509202	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	Pi2 BPSK	1	1	24.51	24.54	24.48	26.4	0.0	
100	Pi2 BPSK	1	137	25.12	25.23	25.10			
100	Pi2 BPSK	1	271	24.46	24.53	24.42			
100	Pi2 BPSK	135	0	25.09	25.15	25.05			
100	Pi2 BPSK	135	69	25.12	25.16	25.09	26.4	0.0	
100	Pi2 BPSK	135	138	25.09	25.11	25.01	26.4	0.0	
100	Pi2 BPSK	270	0	25.07	25.15	25.01			
100	QPSK	1	1	24.48	24.52	24.47			
100	QPSK	1	137	25.19	25.22	25.16			
100	QPSK	1	271	24.46	24.51	24.43	26.4	0.0	
100	QPSK	135	0	24.59	24.61	24.51			
100	QPSK	135	69	25.14	25.21	25.16			
100	QPSK	135	138	24.50	24.55	24.54			
100	QPSK	270	0	24.56	24.59	24.58	25.4	1.0	
100	16QAM	1	1	23.58	23.67	23.62	25.4	1.0	
100	64QAM	1	1	22.17	22.21	22.19	23.9	2.5	
100	256QAM	1	1	21.08	21.16	21.15	21.9	4.5	
Channel				508200	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pi2 BPSK	1	1	24.49	24.67	24.60	26.4	0.0	
Channel				507204	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pi2 BPSK	1	1	24.61	24.65	24.59	26.4	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	Pi2 BPSK	1	1	24.47	24.50	24.55	26.4	0.0	
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pi2 BPSK	1	1	24.63	24.71	24.68	26.4	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pi2 BPSK	1	1	24.61	24.75	24.62	26.4	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2518.01	2592.99	2670			
40	Pi2 BPSK	1	1	24.62	24.70	24.77	26.4	0.0	
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pi2 BPSK	1	1	24.65	24.69	24.70	26.4	0.0	
Channel				501204	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pi2 BPSK	1	1	24.76	24.63	24.71	26.4	0.0	

n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
				Channel					
				2548.01	2592.99	2640			
100	Pi2 BPSK	1	1	20.57	20.62	20.55	21.9	0.0	
100	Pi2 BPSK	1	137	21.14	21.21	21.14			
100	Pi2 BPSK	1	271	20.57	20.52	20.55			
100	Pi2 BPSK	135	0	20.90	20.97	20.97			
100	Pi2 BPSK	135	69	21.15	21.16	21.05	21.9	0.0	
100	Pi2 BPSK	135	138	20.82	20.97	20.79	21.9	0.0	
100	Pi2 BPSK	270	0	20.98	21.00	20.95			
100	QPSK	1	1	20.44	20.55	20.49			
100	QPSK	1	137	21.07	21.14	20.97			
100	QPSK	1	271	20.49	20.52	20.55	21.9	0.0	
100	QPSK	135	0	20.88	20.93	20.85			
100	QPSK	135	69	21.11	21.15	21.05			
100	QPSK	135	138	20.86	20.87	20.79			
100	QPSK	270	0	20.80	20.94	20.79	21.9	0.0	
100	16QAM	1	1	20.54	20.63	20.60	21.9	0.0	
100	64QAM	1	1	20.58	20.58	20.54	21.9	0.0	
100	256QAM	1	1	21.05	21.13	21.01	21.9	0.0	
Channel				508200	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pi2 BPSK	1	1	20.55	20.58	20.54	21.9	0.0	
Channel				507204	518598	528998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pi2 BPSK	1	1	20.53	20.61	20.54	21.9	0.0	
Channel				506202	518598	531000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2531.01	2592.99	2655			
70	Pi2 BPSK	1	1	20.56	20.59	20.50	21.9	0.0	
Channel				505200	518598	531998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pi2 BPSK	1	1	20.54	20.61	20.54	21.9	0.0	
Channel				504204	518598	532998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pi2 BPSK	1	1	20.55	20.61	20.54	21.9	0.0	
Channel				503202	518598	534000	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2516.01	2592.99	2670			
40	Pi2 BPSK	1	1	20.54	20.59	20.52	21.9	0.0	
Channel				502200	518598	534998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pi2 BPSK	1	1	20.55	20.59	20.52	21.9	0.0	
Channel				501202	518598	535998	tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pi2 BPSK	1	1	20.52	20.59	20.54	21.9	0.0	

n41_Ant 1(HPUe)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				505202	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pl2 BPSK	1	1	23.06	23.09	23.08			
100	Pl2 BPSK	1	137	23.86	23.88	23.84	24.9	0.0	
100	Pl2 BPSK	1	271	22.99	23.08	23.04			
100	Pl2 BPSK	135	0	23.66	23.69	23.73	24.9	0.0	
100	Pl2 BPSK	135	69	23.82	23.83	23.70	24.9	0.0	
100	Pl2 BPSK	135	138	23.59	23.64	23.46	24.9	0.0	
100	Pl2 BPSK	270	0	23.63	23.68	23.58			
100	QPSK	1	1	23.95	23.05	23.06			
100	QPSK	1	137	23.83	23.79	23.68	24.9	0.0	
100	QPSK	1	271	23.03	23.09	23.01			
100	QPSK	135	0	23.59	23.69	23.56	24.9	0.0	
100	QPSK	135	69	23.76	23.82	23.71			
100	QPSK	135	138	23.52	23.65	23.48			
100	QPSK	270	0	23.49	23.64	23.51	24.9	0.0	
100	16QAM	1	1	23.06	23.11	23.06	24.9	0.0	
100	64QAM	1	1	22.17	22.19	22.24	23.9	1.0	
100	256QAM	1	1	21.13	21.16	21.13	21.9	3.0	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pl2 BPSK	1	1	23.05	23.07	23.04	24.9	0.0	
Channel				532204	518598	529998	limit (dB)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pl2 BPSK	1	1	23.05	23.04	23.03	24.9	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	Pl2 BPSK	1	1	23.04	23.08	23.05	24.9	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pl2 BPSK	1	1	23.01	23.05	23.04	24.9	0.0	
Channel				532204	518598	532998	limit (dB)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pl2 BPSK	1	1	23.05	23.05	23.06	24.9	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	Pl2 BPSK	1	1	23.04	23.06	23.04	24.9	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pl2 BPSK	1	1	23.02	23.05	23.05	24.9	0.0	
Channel				532204	518598	532998	limit (dB)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pl2 BPSK	1	1	23.02	23.05	23.07	24.9	0.0	

n41_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				505202	518598	530000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pl2 BPSK	1	1	14.69	14.52	14.51			
100	Pl2 BPSK	1	137	15.12	15.33	14.62	16.2	0.0	
100	Pl2 BPSK	1	271	14.53	14.62	14.66			
100	Pl2 BPSK	135	0	15.02	15.11	15.00	16.2	0.0	
100	Pl2 BPSK	135	69	15.23	15.30	14.84	16.2	0.0	
100	Pl2 BPSK	135	138	15.11	15.28	15.06	16.2	0.0	
100	Pl2 BPSK	270	0	15.15	15.21	15.11			
100	QPSK	1	1	14.26	14.21	14.21			
100	QPSK	1	137	14.66	14.95	14.28	16.2	0.0	
100	QPSK	1	271	14.33	14.23	14.41			
100	QPSK	135	0	14.62	14.75	14.52			
100	QPSK	135	69	14.96	14.95	14.25	16.2	0.0	
100	QPSK	135	138	14.76	14.71	14.99			
100	QPSK	270	0	14.71	14.74	14.62	16.2	0.0	
100	16QAM	1	1	13.93	13.96	14.12	15.2	1.0	
100	64QAM	1	1	13.93	13.97	14.17	15.2	1.0	
100	256QAM	1	1	13.43	13.46	13.61	14.7	1.5	
Channel				508200	518598	528998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	Pl2 BPSK	1	1	14.44	14.47	14.27	16.2	0.0	
Channel				532204	518598	529998	limit (dB)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	Pl2 BPSK	1	1	14.46	14.48	14.39	16.2	0.0	
Channel				506202	518598	531000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	Pl2 BPSK	1	1	14.43	14.48	14.20	16.2	0.0	
Channel				505200	518598	531998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	Pl2 BPSK	1	1	14.61	14.71	14.36	16.2	0.0	
Channel				532204	518598	532998	limit (dB)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pl2 BPSK	1	1	14.60	14.57	14.35	16.2	0.0	
Channel				503202	518598	534000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	Pl2 BPSK	1	1	14.61	14.67	14.53	16.2	0.0	
Channel				502200	518598	534998	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	Pl2 BPSK	1	1	14.50	14.60	14.35	16.2	0.0	
Channel				532204	518598	532998	limit (dB)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	Pl2 BPSK	1	1	14.57	14.74	14.44	16.2	0.0	

n41_Ant 3(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dbm)			Turn-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				506202	518998	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PQ2 BPSK	1	1	17.30	17.36	17.53			
100	PQ2 BPSK	1	137	17.78	18.12	17.41	19.2	0.0	
100	PQ2 BPSK	1	271	17.29	17.33	17.51			
100	PQ2 BPSK	135	0	17.70	17.71	17.22	18.7	0.5	
100	I2	135	69	17.52	18.02	17.41	19.2	0.0	
100	PQ2 BPSK	135	138	17.88	17.31	17.84			
100	PQ2 BPSK	270	0	17.59	17.66	17.56	18.7	0.5	
100	QPSK	1	1	17.21	17.23	17.41			
100	QPSK	1	137	17.39	18.11	17.41	19.2	0.0	
100	QPSK	1	271	17.25	17.29	17.43			
100	QPSK	135	0	17.24	17.26	17.71			
100	QPSK	135	69	17.57	17.62	17.41	19.2	0.0	
100	QPSK	135	138	17.34	17.28	17.72			
100	QPSK	270	0	17.29	17.31	17.42	18.2	1.0	
100	16QAM	1	1	18.20	18.22	18.57	18.2	1.0	
100	64QAM	1	1	14.79	14.83	15.16	16.7	2.5	
100	256QAM	1	1	13.78	13.82	14.11	14.7	4.5	
Channel				50200	51898	52896	turn-up limit (dbm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(db)		
90	PQ2 BPSK	1	1	17.21	17.33	17.28	19.2	0.0	
Channel				507204	518998	529998	turn-up limit (dbm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(db)		
80	PQ2 BPSK	1	1	17.25	17.29	17.23	19.2	0.0	
Channel				506202	518998	531000	turn-up limit (dbm)	MPR	
Frequency (MHz)				2531.01	2592.99	2645	(dbm)		
70	PQ2 BPSK	1	1	17.23	17.29	17.21	19.2	0.0	
Channel				505200	518998	531996	turn-up limit (dbm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dbm)		
60	PQ2 BPSK	1	1	17.29	17.27	17.23	19.2	0.0	
Channel				504204	518998	532998	turn-up limit (dbm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dbm)		
50	PQ2 BPSK	1	1	17.22	17.29	17.22	19.2	0.0	
Channel				503202	518998	534000	turn-up limit (dbm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dbm)		
40	PQ2 BPSK	1	1	17.20	17.27	17.26	19.2	0.0	
Channel				502200	518998	534996	turn-up limit (dbm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dbm)		
30	PQ2 BPSK	1	1	17.21	17.27	17.27	19.2	0.0	
Channel				50204	518998	535998	turn-up limit (dbm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dbm)		
20	PQ2 BPSK	1	1	17.20	17.22	17.21	19.2	0.0	

n41_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq			
Channel				506202	518998	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PQ2 BPSK	1	1	15.32	15.39	15.31			
100	PQ2 BPSK	1	137	16.06	16.33	15.39	17.2		0.0
100	PQ2 BPSK	1	271	15.98	16.22	15.22			
100	PQ2 BPSK	135	0	15.98	16.09	15.91	17.2		0.0
100	PQ2 BPSK	135	69	15.95	16.15	15.46	17.2		0.0
100	PQ2 BPSK	135	138	15.89	15.94	15.49			
100	PQ2 BPSK	270	0	15.98	16.00	15.96	17.2		0.0
100	QPSK	1	1	15.41	15.50	15.42			
100	QPSK	1	137	15.98	16.07	15.25	17.2		0.0
100	QPSK	1	271	15.41	16.25	15.25			
100	QPSK	135	0	15.56	15.77	15.46			
100	QPSK	135	69	16.02	16.09	16.53	17.2		0.0
100	QPSK	135	138	15.67	15.34	15.34			
100	QPSK	270	0	15.47	15.81	15.90	17.2		0.0
100	16QAM	1	1	15.40	15.41	15.27	17.2		0.0
100	64QAM	1	1	15.41	15.50	15.41	17.2		0.0
100	256QAM	1	1	16.12	16.09	15.99	17.2		0.0
Channel				508200	51898	52896	turn-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dB)	(dB)	
90	PQ2 BPSK	1	1	15.26	15.35	15.28	17.2		0.0
Channel				507204	51898	52996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)	(dB)	
80	PQ2 BPSK	1	1	15.27	15.36	15.26	17.2		0.0
Channel				506202	51898	53100	turn-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2645	(dB)	(dB)	
70	PQ2 BPSK	1	1	15.28	15.36	15.28	17.2		0.0
Channel				505200	51898	531996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dB)	(dB)	
60	PQ2 BPSK	1	1	15.27	15.35	15.26	17.2		0.0
Channel				504204	51898	532996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)	(dB)	
50	PQ2 BPSK	1	1	15.31	15.36	15.26	17.2		0.0
Channel				503202	51898	534000	turn-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)	(dB)	
40	PQ2 BPSK	1	1	15.30	15.37	15.27	17.2		0.0
Channel				502200	51898	534996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)	(dB)	
30	PQ2 BPSK	1	1	15.26	15.37	15.28	17.2		0.0
Channel				501204	51898	535996	turn-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dB)	(dB)	
20	PQ2 BPSK	1	1	15.29	15.34	15.26	17.2		0.0

n41_Ant 4(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Turn-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq			
Channel				506202	518998	528000			
Frequency (MHz)				2546.01	2592.99	2640.00			
100	PQ2 BPSK	1	1	18.29	18.35	18.31			
100	PQ2 BPSK	1	137	19.05	19.34	18.39	20.2	0.0	
100	PQ2 BPSK	1	271	19.00	19.27	18.23			
100	PQ2 BPSK	135	0	18.97	19.06	18.96	20.2	0.0	
100	PQ2 BPSK	135	69	18.98	19.17	18.46	20.2	0.0	
100	PQ2 BPSK	135	138	18.93	18.92	18.53			
100	PQ2 BPSK	270	0	19.00	19.02	19.01	20.2	0.0	
100	QPSK	1	1	18.44	18.48	18.39			
100	QPSK	1	137	19.99	19.12	18.21	20.2	0.0	
100	QPSK	1	271	18.37	19.23	18.23			
100	QPSK	135	0	18.59	18.72	18.51			
100	QPSK	135	69	19.06	19.12	18.56	20.2	0.0	
100	QPSK	135	138	18.67	18.33	18.31			
100	QPSK	270	0	18.46	18.63	18.68	20.2	0.0	
100	16QAM	1	1	18.45	18.37	18.30	20.2	0.0	
100	64QAM	1	1	18.45	18.47	18.46	20.2	0.0	
100	256QAM	1	1	18.08	18.09	18.01	18.7	1.5	
Channel				508200	518998	528996	Turn-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	PQ2 BPSK	1	1	18.26	18.30	18.26	20.2	0.0	
Channel				507204	518998	529996	limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	limit (dB)		
80	PQ2 BPSK	1	1	18.24	18.30	18.28	20.2	0.0	
Channel				506202	518998	531000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2645.00	(dBm)		
70	PQ2 BPSK	1	1	18.23	18.33	18.29	20.2	0.0	
Channel				505200	518998	531996	Turn-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2659.98	limit (dB)		
60	PQ2 BPSK	1	1	18.25	18.28	18.28	20.2	0.0	
Channel				504204	518998	532996	Turn-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	limit (dB)		
50	PQ2 BPSK	1	1	18.25	18.29	18.30	20.2	0.0	
Channel				503202	518998	534000	Turn-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	limit (dB)		
40	PQ2 BPSK	1	1	18.24	18.29	18.28	20.2	0.0	
Channel				502200	518998	534996	Turn-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	limit (dB)		
30	PQ2 BPSK	1	1	18.26	18.33	18.28	20.2	0.0	
Channel				501204	518998	535996	Turn-up limit (dBm)	MPR	
Frequency (MHz)				2506.03	2592.99	2679.99	limit (dB)		
20	PQ2 BPSK	1	1	18.24	18.30	18.27	20.2	0.0	

n77(Part 27Q)_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)		
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.				
Channel				3500.01						
Frequency (MHz)				3500.01						
100	Pi2 BPSK	1	1		9.90					
100	Pi2 BPSK	1	137		10.14		10.7	0.0		
100	Pi2 BPSK	1	271		9.38					
100	Pi2 BPSK	135	0		10.06		10.7	0.0		
100	Pi2 BPSK	135	69		10.12		10.7	0.0		
100	Pi2 BPSK	135	138		9.94					
100	Pi2 BPSK	270	0		9.34		10.7	0.0		
100	QPSK	1	1		9.92					
100	QPSK	1	137		10.13		10.7	0.0		
100	QPSK	1	271		9.34					
100	QPSK	135	0		9.91		10.7	0.0		
100	QPSK	135	69		10.01					
100	QPSK	135	138		9.92					
100	QPSK	270	0		9.87		10.7	0.0		
100	16QAM	1	1		9.24		10.7	0.0		
100	64QAM	1	1		9.35		10.7	0.0		
100	256QAM	1	1		9.98		10.7	0.0		
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3495	3500.01	3504.99				
90	Pi2 BPSK	1	1		9.45	9.46	9.46	10.7	0.0	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02	3500.01	3510				
80	Pi2 BPSK	1	1		9.44	9.46	9.45	10.7	0.0	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3485.01	3500.01	3514.99				
70	Pi2 BPSK	1	1		9.42	9.49	9.44	10.7	0.0	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3500.01	3519.99				
60	Pi2 BPSK	1	1		9.45	9.49	9.46	10.7	0.0	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3500.01	3525				
50	Pi2 BPSK	1	1		9.42	9.45	9.41	10.7	0.0	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3500.01	3528.99				
40	Pi2 BPSK	1	1		9.44	9.43	9.40	10.7	0.0	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3465	3500.01	3534.99				
30	Pi2 BPSK	1	1		9.47	9.49	9.45	10.7	0.0	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3500.01	3539.99				
25	Pi2 BPSK	1	1		9.45	9.49	9.47	10.7	0.0	
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455.01	3500.01	3544.98				
20	Pi2 BPSK	1	1		9.45	9.44	9.45	10.7	0.0	
Channel				630000	633334	636668	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3450.5	3500.01	3549.49				
15	Pi2 BPSK	1	1		9.41	9.49	9.43	10.7	0.0	
Channel				630334	633334	636332	limit (dBm)			
Frequency (MHz)				3455.01	3500.01	3544.98				
10	Pi2 BPSK	1	1		9.46	9.45	9.46	10.7	0.0	

n77(Part 27Q)_Ant 3(HPUE)									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				3500.01 633334					
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		12.55				
100	Pi2 BPSK	1	137		13.13		13.7	0.0	
100	Pi2 BPSK	1	271		12.38				
100	Pi2 BPSK	135	0		13.03		13.7	0.0	
100	Pi2 BPSK	135	69		13.06		13.7	0.0	
100	Pi2 BPSK	135	138		12.91				
100	Pi2 BPSK	270	0		12.99		13.7	0.0	
100	QPSK	1	1		12.48				
100	QPSK	1	137		13.11		13.7	0.0	
100	QPSK	1	271		12.42				
100	QPSK	135	0		12.99		13.7	0.0	
100	QPSK	135	69		13.07				
100	QPSK	135	138		12.94				
100	QPSK	270	0		12.87		13.7	0.0	
100	16QAM	1	1		12.26		13.7	0.0	
100	64QAM	1	1		12.31		13.7	0.0	
100	256QAM	1	1		12.81		13.7	0.0	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	Pi2 BPSK	1	1		12.50	12.54	12.50	13.7	0.0
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	Pi2 BPSK	1	1		12.52	12.48	12.52	13.7	0.0
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	Pi2 BPSK	1	1		12.51	12.54	12.49	13.7	0.0
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	Pi2 BPSK	1	1		12.46	12.53	12.50	13.7	0.0
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	Pi2 BPSK	1	1		12.50	12.53	12.47	13.7	0.0
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.99			
40	Pi2 BPSK	1	1		12.52	12.49	12.51	13.7	0.0
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	Pi2 BPSK	1	1		12.46	12.51	12.48	13.7	0.0
Channel				630668	633334	636000	limit (dB)		
Frequency (MHz)				3460.02	3500.01	3539.99			
25	Pi2 BPSK	1	1		12.49	12.52	12.52	13.7	0.0
Channel				630334	633334	636332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
20	Pi2 BPSK	1	1		12.51	12.54	12.47	13.7	0.0
Channel				630000	633334	636668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.5	3500.01	3549.49			
15	Pi2 BPSK	1	1		12.48	12.51	12.52	13.7	0.0
Channel				630334	633334	636332	limit (dB)		
Frequency (MHz)				3455.01	3500.01	3544.98			
10	Pi2 BPSK	1	1		12.52	12.53	12.52	13.7	0.0

n77(Part 27Q)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.			
Channel				650000	650000	652000			
Frequency (MHz)				3840	3840	3920			
100	Pi2 BPSK	1	1	9.37	9.43	9.33			
100	Pi2 BPSK	1	137	10.11	10.17	9.96	10.7		0.0
100	Pi2 BPSK	1	271	9.28	9.34	9.20			
100	Pi2 BPSK	135	0	9.98	9.99	9.91	10.7		0.0
100	Pi2 BPSK	135	69	10.07	10.11	9.82	10.7		0.0
100	Pi2 BPSK	135	138	9.89	10.00	9.93			
100	Pi2 BPSK	270	0	9.95	9.97	9.76	10.7		0.0
100	QPSK	1	1	9.27	9.32	9.25			
100	QPSK	1	137	10.01	10.06	9.90	10.7		0.0
100	QPSK	1	271	9.31	9.36	9.25			
100	QPSK	135	0	9.87	9.98	9.90			
100	QPSK	135	69	9.92	10.08	9.82	10.7		0.0
100	QPSK	135	138	9.82	9.91	9.88			
100	QPSK	270	0	9.79	9.89	9.66	10.7		0.0
100	16QAM	1	1	9.28	9.35	9.29	10.7		0.0
100	64QAM	1	1	9.33	9.31	9.29	10.7		0.0
100	256QAM	1	1	9.80	9.72	9.70	10.7		0.0
Channel				649668	650000	652332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	Pi2 BPSK	1	1	9.35	9.39	9.31	10.7		0.0
Channel				649334	650000	652668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99			
80	Pi2 BPSK	1	1	9.34	9.39	9.30	10.7		0.0
Channel				649000	650000	653000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	Pi2 BPSK	1	1	9.33	9.39	9.32	10.7		0.0
Channel				648668	650000	653332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3940.98			
60	Pi2 BPSK	1	1	9.33	9.42	9.30	10.7		0.0
Channel				649334	650000	653668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99			
50	Pi2 BPSK	1	1	9.32	9.37	9.28	10.7		0.0
Channel				649000	650000	654000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	Pi2 BPSK	1	1	9.33	9.37	9.28	10.7		0.0
Channel				647668	650000	654332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3954.98			
30	Pi2 BPSK	1	1	9.36	9.40	9.32	10.7		0.0
Channel				647334	650000	654668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3959.99			
20	Pi2 BPSK	1	1	9.34	9.41	9.29	10.7		0.0
Channel				647000	650000	654932	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48			
15	Pi2 BPSK	1	1	9.36	9.40	9.31	10.7		0.0
Channel				647000	650000	655000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	Pi2 BPSK	1	1	9.32	9.40	9.32	10.7		0.0

n77(Part 27O)_Ant 4									
Average Power (dBm)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	65000	65000			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	11.22	11.38	11.28		13.2	0.0
100	PV2 BPSK	1	137	12.33	12.38	12.30			
100	PV2 BPSK	1	271	11.21	11.27	11.26			
100	PV2 BPSK	135	0	12.08	12.13	12.03		13.2	0.0
100	PV2 BPSK	135	69	12.16	12.29	12.10		13.2	0.0
100	PV2 BPSK	135	138	11.94	11.97	11.91		13.2	0.0
100	PV2 BPSK	270	0	11.96	12.14	12.00			
100	QPSK	1	1	11.26	11.26	11.31			
100	QPSK	1	137	12.28	12.29	12.28		13.2	0.0
100	QPSK	1	271	11.25	11.28	11.28			
100	QPSK	135	0	11.95	12.05	11.98		13.2	0.0
100	QPSK	135	69	12.00	12.23	12.14			
100	QPSK	135	138	11.91	11.95	11.97			
100	QPSK	270	0	12.02	12.05	11.94		13.2	0.0
100	16QAM	1	1	11.33	11.29	11.32		13.2	0.0
100	64QAM	1	1	11.30	11.25	11.20		13.2	0.0
100	256QAM	1	1	11.28	11.33	11.33		13.2	0.0
Channel				649688	656000	662332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3840	3934.98			
90	PV2 BPSK	1	1	11.24	11.35	11.23		13.2	0.0
Channel				649334	655000	660666	turn-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3840	3939.99			
80	PV2 BPSK	1	1	11.24	11.31	11.25		13.2	0.0
Channel				649000	656000	663000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3734	3840	3945			
70	PV2 BPSK	1	1	11.24	11.37	11.25		13.2	0.0
Channel				648688	656000	663332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3949.98			
60	PV2 BPSK	1	1	11.23	11.33	11.25		13.2	0.0
Channel				648334	655000	662666	turn-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3954.99			
50	PV2 BPSK	1	1	11.24	11.37	11.27		13.2	0.0
Channel				648000	656000	664000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3720	3840	3960			
40	PV2 BPSK	1	1	11.23	11.34	11.25		13.2	0.0
Channel				647688	656000	664332	turn-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3840	3964.98			
30	PV2 BPSK	1	1	11.22	11.32	11.23		13.2	0.0
Channel				647334	655000	664666	turn-up limit (dBm)	MPR	
Frequency (MHz)				3712.5	3840	3967.5			
25	PV2 BPSK	1	1	11.23	11.35	11.24		13.2	0.0
Channel				647334	656000	664688	turn-up limit (dBm)	MPR	
Frequency (MHz)				3710.51	3840	3969.99			
20	PV2 BPSK	1	1	11.23	11.34	11.24		13.2	0.0
Channel				647188	656000	664832	turn-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3840	3972.48			
15	PV2 BPSK	1	1	11.24	11.34	11.23		13.2	0.0
Channel				647000	656000	665000	turn-up limit (dBm)	MPR	
Frequency (MHz)				3705	3840	3975			
10	PV2 BPSK	1	1	11.22	11.35	11.25		13.2	0.0

n77(Part 27O)_Ant 4(HPUE)									
Average Power (dBm)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lower Ch./Freq. 65000	Power Middle Ch./Freq. 65000	Power High Ch./Freq. 65000	Tune-up limit (dB)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)									
100	PV2 BPSK	1	1	14.20	14.31	14.29		16.2	0.0
100	PV2 BPSK	1	137	15.34	15.38	15.29			
100	PV2 BPSK	1	271	14.33	14.27	14.24			
100	PV2 BPSK	135	0	14.97	15.14	15.09		16.2	0.0
100	PV2 BPSK	135	69	15.22	15.24	15.15		16.2	0.0
100	PV2 BPSK	135	138	14.90	15.01	14.88		16.2	0.0
100	PV2 BPSK	270	0	15.00	15.08	14.98			
100	QPSK	1	1	14.22	14.29	14.25			
100	QPSK	1	137	15.26	15.34	15.26		16.2	0.0
100	QPSK	1	271	14.21	14.31	14.20			
100	QPSK	135	0	15.00	15.09	15.05		16.2	0.0
100	QPSK	135	69	15.13	15.19	15.11			
100	QPSK	135	138	14.95	15.05	14.90			
100	QPSK	270	0	14.97	15.00	14.92		16.2	0.0
100	16QAM	1	1	14.28	14.34	14.29		16.2	0.0
100	64QAM	1	1	14.29	14.26	14.23		16.2	0.0
100	256QAM	1	1	14.29	14.35	14.31		16.2	0.0
Channel				649688	656000	662332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98			
90	PV2 BPSK	1	1	14.24	14.27	14.27		16.2	0.0
Channel				649334	656000	662666	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01 <td>3840</td> <td>3939.99</td> <td></td> <td colspan="2"></td>	3840	3939.99			
80	PV2 BPSK	1	1	14.23	14.27	14.28		16.2	0.0
Channel				649000	656000	663000	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735 <td>3840</td> <td>3945</td> <td></td> <td colspan="2"></td>	3840	3945			
70	PV2 BPSK	1	1	14.21	14.27	14.25		16.2	0.0
Channel				648688	656000	663332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02 <td>3840</td> <td>3949.98</td> <td></td> <td colspan="2"></td>	3840	3949.98			
60	PV2 BPSK	1	1	14.24	14.25	14.25		16.2	0.0
Channel				648334	655000	663666	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01 <td>3840</td> <td>3954.99</td> <td></td> <td colspan="2"></td>	3840	3954.99			
50	PV2 BPSK	1	1	14.24	14.28	14.28		16.2	0.0
Channel				648000	656000	664000	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720 <td>3840</td> <td>3960</td> <td></td> <td colspan="2"></td>	3840	3960			
40	PV2 BPSK	1	1	14.24	14.28	14.25		16.2	0.0
Channel				647688	656000	664332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02 <td>3840</td> <td>3964.98</td> <td></td> <td colspan="2"></td>	3840	3964.98			
30	PV2 BPSK	1	1	14.21	14.27	14.26		16.2	0.0
Channel				647334	655000	664666	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5 <td>3840</td> <td>3967.5</td> <td></td> <td colspan="2"></td>	3840	3967.5			
25	PV2 BPSK	1	1	14.22	14.30	14.24		16.2	0.0
Channel				647334	656000	664688	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.51 <td>3840</td> <td>3969.99</td> <td></td> <td colspan="2"></td>	3840	3969.99			
20	PV2 BPSK	1	1	14.24	14.28	14.29		16.2	0.0
Channel				647188	656000	664832	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52 <td>3840</td> <td>3972.48</td> <td></td> <td colspan="2"></td>	3840	3972.48			
15	PV2 BPSK	1	1	14.24	14.30	14.27		16.2	0.0
Channel				647000	656000	665000	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705 <td>3840</td> <td>3975</td> <td></td> <td colspan="2"></td>	3840	3975			
10	PV2 BPSK	1	1	14.23	14.26	14.24		16.2	0.0

n77(Part 27Q)_Ant 5									
Average Power (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63300	63334	63366			
Frequency (MHz)				3500.01					
100	P12 BPSK	1	1	15.39				17.2	0.0
100	P12 BPSK	1	137	16.21					
100	P12 BPSK	1	271	15.38					
100	P12 BPSK	135	0	15.96				17.2	0.0
100	P12 BPSK	135	69	16.10				17.2	0.0
100	P12 BPSK	135	138	15.93				17.2	0.0
100	P12 BPSK	270	0	16.01					
100	QPSK	1	1	15.34					
100	QPSK	1	137	16.20				17.2	0.0
100	QPSK	1	271	15.33					
100	QPSK	135	0	15.92				17.2	0.0
100	QPSK	135	69	16.00					
100	QPSK	135	138	15.84					
100	QPSK	270	0	15.87				17.2	0.0
100	16QAM	1	1	15.35				17.2	0.0
100	64QAM	1	1	15.35				17.2	0.0
100	256QAM	1	1	15.37				17.2	0.0
Channel				63300	63334	63366		MPR (dB)	
Frequency (MHz)				3496	3500.01	3504.99			
90	P12 BPSK	1	1	15.33	15.38	15.29		17.2	0.0
Channel				63366	63334	63400		MPR (dB)	
Frequency (MHz)				3499.02	3500.01	3501			
90	P12 BPSK	1	1	15.34	15.38	15.32		17.2	0.0
Channel				63324	63333	63432		MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	P12 BPSK	1	1	15.34	15.34	15.35		17.2	0.0
Channel				63200	63334	63466		MPR (dB)	
Frequency (MHz)				3470	3500.01	3519.99			
70	P12 BPSK	1	1	15.35	15.35	15.35		17.2	0.0
Channel				63168	63334	63500		MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	P12 BPSK	1	1	15.33	15.37	15.35		17.2	0.0
Channel				63124	63333	63532		MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	P12 BPSK	1	1	15.37	15.35	15.34		17.2	0.0
Channel				63100	63334	63566		MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.99			
30	P12 BPSK	1	1	15.31	15.38	15.37		17.2	0.0
Channel				63034	63334	63582 <th></th> <th colspan="2">MPR (dB)</th>		MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48			
25	P12 BPSK	1	1	15.32	15.34	15.35		17.2	0.0
Channel				63068	63334	63600		MPR (dB)	
Frequency (MHz)				3460.01	3500.01	3540			
25	P12 BPSK	1	1	15.31	15.36	15.33		17.2	0.0
Channel				63050	63334	63618		MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	P12 BPSK	1	1	15.34	15.36	15.32		17.2	0.0
Channel				63024	63333	63632		MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	P12 BPSK	1	1	15.37	15.38	15.29		17.2	0.0

n77(Part 27Q)_Ant 5(HPUE)									
Average Power (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			20.2	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		18.35		20.2	0.0	
100	PI/2 BPSK	1	137		18.24				
100	PI/2 BPSK	1	271		18.33				
100	PI/2 BPSK	135	0		18.95		20.2	0.0	
100	PI/2 BPSK	135	69		19.11				
100	PI/2 BPSK	135	138		18.91				
100	PI/2 BPSK	270	0		18.99		20.2	0.0	
100	QPSK	1	1		18.31				
100	QPSK	1	137		19.17		20.2	0.0	
100	QPSK	1	271		18.30				
100	QPSK	135	0		18.91		20.2	0.0	
100	QPSK	135	69		19.05				
100	QPSK	135	138		18.85				
100	QPSK	270	0		18.92		20.2	0.0	
100	16QAM	1	1		18.35		20.2	0.0	
100	64QAM	1	1		18.34		20.2	0.0	
100	256QAM	1	1		18.38		20.2	0.0	
Channel				633000	633334	633668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.98	20.2	0.0	
90	PI/2 BPSK	1	1		18.28	18.31	18.31	20.2	
Channel				632668	633334	634000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	20.2	0.0	
80	PI/2 BPSK	1	1		18.29	18.30	18.29	20.2	
Channel				632334	633334	634332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	20.2	0.0	
70	PI/2 BPSK	1	1		18.27	18.30	18.26	20.2	
Channel				632000	633334	634668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.98	20.2	0.0	
60	PI/2 BPSK	1	1		18.28	18.34	18.28	20.2	
Channel				631668	633334	635000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	20.2	0.0	
50	PI/2 BPSK	1	1		18.27	18.30	18.26	20.2	
Channel				631334	633334	635332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	20.2	0.0	
40	PI/2 BPSK	1	1		18.31	18.30	18.32	20.2	
Channel				631000	633334	635668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3534.98	20.2	0.0	
30	PI/2 BPSK	1	1		18.30	18.33	18.28	20.2	
Channel				630668	633334	636000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.48	20.2	0.0	
25	PI/2 BPSK	1	1		18.28	18.33	18.29	20.2	
Channel				630668	633334	636200	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	20.2	0.0	
20	PI/2 BPSK	1	1		18.29	18.31	18.26	20.2	
Channel				630500	633334	636868	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.48	20.2	0.0	
15	PI/2 BPSK	1	1		18.29	18.32	18.33	20.2	
Channel				630334	633334	637332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	20.2	0.0	
10	PI/2 BPSK	1	1		18.31	18.32	18.29	20.2	

n77(Part 27Q)_Ant 5										
Average Power (dBm)										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	666000	662000	93.95			
Frequency (MHz)				3705	3840	3935				
100	PI/2 BPSK	1	1	15.32	15.34	15.33	17.2	0.0		
100	PI/2 BPSK	1	137	16.24	16.26	16.21				
100	PI/2 BPSK	1	271	15.35	15.38	15.38				
100	PI/2 BPSK	135	0	15.93	15.93	15.95	17.2	0.0		
100	PI/2 BPSK	135	69	16.13	16.26	16.19				
100	PI/2 BPSK	135	138	15.90	15.96	15.89				
100	PI/2 BPSK	270	0	16.01	16.06	16.03	17.2	0.0		
100	QPSK	1	1	15.30	15.33	15.34				
100	QPSK	1	137	16.25	16.27	16.18	17.2	0.0		
100	QPSK	1	271	15.30	15.37	15.34				
100	QPSK	135	0	15.95	15.98	15.91	17.2	0.0		
100	QPSK	135	69	16.14	16.18	16.06				
100	QPSK	135	138	15.90	16.01	15.96				
100	QPSK	270	0	15.95	15.97	15.99	17.2		0.0	
100	16QAM	1	1	15.22	15.33	15.33	17.2			
100	64QAM	1	1	15.20	15.33	15.25	17.2			
100	256QAM	1	1	15.25	15.32	15.30	17.2			
Channel				649668	650000	662332	tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3840	3934.98	17.2	0.0		
90	PI/2 BPSK	1	1	15.29	15.33	15.29	17.2	0.0		
Channel				649334	650000	662668				tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	17.2			0.0
80	PI/2 BPSK	1	1	15.31	15.29	15.29	17.2	0.0		
Channel				649000	650000	663000				tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	17.2			0.0
70	PI/2 BPSK	1	1	15.30	15.30	15.28	17.2	0.0		
Channel				648668	650000	663332				tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	17.2			0.0
60	PI/2 BPSK	1	1	15.31	15.29	15.28	17.2	0.0		
Channel				648334	650000	663668				tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	17.2			0.0
50	PI/2 BPSK	1	1	15.29	15.33	15.28	17.2	0.0		
Channel				648000	650000	664000				tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	17.2			0.0
40	PI/2 BPSK	1	1	15.28	15.33	15.30	17.2	0.0		
Channel				647668	650000	664332				tune-up limit (dBm)
Frequency (MHz)				3715.02	3840	3964.98	17.2			0.0
30	PI/2 BPSK	1	1	15.29	15.33	15.29	17.2	0.0		
Channel				647334	650000	664668				tune-up limit (dBm)
Frequency (MHz)				3712.5	3840	3967.5	17.2			0.0
25	PI/2 BPSK	1	1	15.30	15.32	15.30	17.2	0.0		
Channel				647000	650000	665000				tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	17.2			0.0
20	PI/2 BPSK	1	1	15.30	15.30	15.32	17.2	0.0		
Channel				646668	650000	665332				tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	17.2			0.0
10	PI/2 BPSK	1	1	15.30	15.33	15.29	17.2	0.0		

n77(Part 27O)_Ant 5(HPUE)									
Average Power (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3840	3930			
100	Pl2 BPSK	1	1	18.31	18.37	18.29	20.2	0.0	
100	Pl2 BPSK	1	137	19.26	19.30	19.24			
100	Pl2 BPSK	1	271	18.34	18.42	18.39			
100	Pl2 BPSK	135	0	18.92	18.98	18.91	20.2	0.0	
100	Pl2 BPSK	135	69	19.14	19.22	19.15	20.2	0.0	
100	Pl2 BPSK	135	138	18.95	19.01	18.92	20.2	0.0	
100	Pl2 BPSK	270	0	18.98	19.08	18.98			
100	QPSK	1	1	18.30	18.35	18.31			
100	QPSK	1	137	19.21	19.24	19.20	20.2	0.0	
100	QPSK	1	271	18.34	18.39	18.32			
100	QPSK	135	0	18.92	18.95	18.88			
100	QPSK	135	69	19.09	19.16	19.08	20.2	0.0	
100	QPSK	135	138	18.90	19.00	18.96			
100	QPSK	270	0	18.92	19.01	18.95			
100	16QAM	1	1	18.26	18.31	18.28	20.2	0.0	
100	64QAM	1	1	18.25	18.30	18.27	20.2	0.0	
100	256QAM	1	1	18.23	18.28	18.25	20.2	0.0	
Channel				648668	650000	662332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	20.2 <td colspan="2">0.0</td>	0.0	
90	Pl2 BPSK	1	1	18.27	18.34	18.26	20.2	0.0	
Channel				640334	650000	662666			
Frequency (MHz)				3740.01	3840	3939.99	limit <td colspan="2">MPR (dB)</td>	MPR (dB)	
80	Pl2 BPSK	1	1	18.26	18.32	18.26	20.2	0.0	
Channel				649000	650000	663000			
Frequency (MHz)				3735.00	3840	3945 <th>limit<td colspan="2">MPR (dB)</td></th>	limit <td colspan="2">MPR (dB)</td>	MPR (dB)	
70	Pl2 BPSK	1	1	18.26	18.36	18.24	20.2	0.0	
Channel				648668	650000	663332			
Frequency (MHz)				3730.02	3840	3949.98	limit <td colspan="2">MPR (dB)</td>	MPR (dB)	
60	Pl2 BPSK	1	1	18.26	18.36	18.26	20.2	0.0	
Channel				640334	650000	663666			
Frequency (MHz)				3725.01	3840	3954.99	limit <td colspan="2">MPR (dB)</td>	MPR (dB)	
50	Pl2 BPSK	1	1	18.26	18.36	18.24	20.2	0.0	
Channel				648000	650000	664000			
Frequency (MHz)				3720	3840	3940 <th>limit<td colspan="2">MPR (dB)</td></th>	limit <td colspan="2">MPR (dB)</td>	MPR (dB)	
40	Pl2 BPSK	1	1	18.30	18.33	18.25	20.2	0.0	
Channel				647668	650000	664332			
Frequency (MHz)				3715.02	3840	3954.98	limit <td colspan="2">MPR (dB)</td>	MPR (dB)	
30	Pl2 BPSK	1	1	18.29	18.33	18.26	20.2	0.0	
Channel				647334	650000	664500			
Frequency (MHz)				3712.5 <th>3840</th> <th>3967.5<th>limit<td colspan="2">MPR (dB)</td></th></th>	3840	3967.5 <th>limit<td colspan="2">MPR (dB)</td></th>	limit <td colspan="2">MPR (dB)</td>	MPR (dB)	
25	Pl2 BPSK	1	1	18.27	18.35	18.27	20.2	0.0	
Channel				647334	650000	664666			
Frequency (MHz)				3710.01	3840	3969.99	limit <td colspan="2">MPR (dB)</td>	MPR (dB)	
20	Pl2 BPSK	1	1	18.28	18.35	18.28	20.2	0.0	
Channel				647168	650000	664832			
Frequency (MHz)				3707.52	3840	3972.48	limit <td colspan="2">MPR (dB)</td>	MPR (dB)	
15	Pl2 BPSK	1	1	18.26	18.35	18.28	20.2	0.0	
Channel				647000	650000	665000			
Frequency (MHz)				3705	3840	3975 <th>limit<td colspan="2">MPR (dB)</td></th>	limit <td colspan="2">MPR (dB)</td>	MPR (dB)	
10	Pl2 BPSK	1	1	18.28	18.33	18.28	20.2	0.0	

n77(Part 27Q)_Ant 6									
Average Power (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				630000	633334	636668			
Frequency (MHz)				3495	3500.01	3504.99			
100	Pl2 BPSK	1	1		16.14		17.7		0.0
100	Pl2 BPSK	1	137		16.86				
100	Pl2 BPSK	1	271		16.24				
100	Pl2 BPSK	135	0		16.63		17.7		0.0
100	Pl2 BPSK	135	69		16.80		17.7		0.0
100	Pl2 BPSK	135	138		16.63		17.7		0.0
100	Pl2 BPSK	270	0		16.72				
100	QPSK	1	1		16.05				
100	QPSK	1	137		16.79		17.7		0.0
100	QPSK	1	271		16.23				
100	QPSK	135	0		16.61				
100	QPSK	135	69		16.68		17.7		0.0
100	QPSK	135	138		16.50				
100	QPSK	270	0		16.71				
100	16QAM	1	1		16.00		17.7		0.0
100	64QAM	1	1		15.81		17.7		0.0
100	256QAM	1	1		14.52		15.2	2.5	
Channel				630000	633334	636668	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	limit	MPR (dB)	
90	Pl2 BPSK	1	1	16.09	16.09	16.07	17.7	0.0	
Channel				632650	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510 <td>limit</td> <th colspan="2">MPR (dB)</th>	limit	MPR (dB)	
80	Pl2 BPSK	1	1	16.06	16.12	16.07	17.7	0.0	
Channel				632334	633334	634332			
Frequency (MHz)				3485.01 <th>3500.01</th> <th>3514.98<td>limit</td><th colspan="2">MPR (dB)</th></th>	3500.01	3514.98 <td>limit</td> <th colspan="2">MPR (dB)</th>	limit	MPR (dB)	
70	Pl2 BPSK	1	1	16.06	16.12	16.07	17.7	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480 <th>3500.01</th> <th>3519.99<td>limit</td><th colspan="2">MPR (dB)</th></th>	3500.01	3519.99 <td>limit</td> <th colspan="2">MPR (dB)</th>	limit	MPR (dB)	
60	Pl2 BPSK	1	1	16.05	16.13	16.07	17.7	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525 <td>limit</td> <th colspan="2">MPR (dB)</th>	limit	MPR (dB)	
50	Pl2 BPSK	1	1	16.05	16.09	16.04	17.7	0.0	
Channel				631334	633334	635332			
Frequency (MHz)				3470.01	3500.01	3529.98 <td>limit</td> <th colspan="2">MPR (dB)</th>	limit	MPR (dB)	
40	Pl2 BPSK	1	1	16.05	16.13	16.03	17.7	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465 <th>3500.01</th> <th>3534.99<td>limit</td><th colspan="2">MPR (dB)</th></th>	3500.01	3534.99 <td>limit</td> <th colspan="2">MPR (dB)</th>	limit	MPR (dB)	
30	Pl2 BPSK	1	1	16.08	16.13	16.06	17.7	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540 <td>limit</td> <th colspan="2">MPR (dB)</th>	limit	MPR (dB)	
25	Pl2 BPSK	1	1	16.07	16.12	16.07	17.7	0.0	
Channel				630334	633334	636332			
Frequency (MHz)				3455.01	3500.01	3544.98 <td>limit</td> <th colspan="2">MPR (dB)</th>	limit	MPR (dB)	
20	Pl2 BPSK	1	1	16.08	16.13	16.06	17.7	0.0	
Channel				630000	633334	636668			
Frequency (MHz)				3457.5 <th>3500.01</th> <th>3542.49<td>limit</td><th colspan="2">MPR (dB)</th></th>	3500.01	3542.49 <td>limit</td> <th colspan="2">MPR (dB)</th>	limit	MPR (dB)	
15	Pl2 BPSK	1	1	16.07	16.12	16.07	17.7	0.0	
Channel				630334	633334	636332			
Frequency (MHz)				3455.01	3500.01	3544.98 <td>limit</td> <th colspan="2">MPR (dB)</th>	limit	MPR (dB)	
10	Pl2 BPSK	1	1	16.06	16.13	16.05	17.7	0.0	

n77(Part 27Q)_Ant 6(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dbm)			Tune-up limit (dbm)	MPR (db)	
				Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.			
Channel				633334					
Frequency (MHz)				3500.01					
100	PV2 BPSK	1	1	19.13			20.7	0.0	
100	PV2 BPSK	1	137	19.86					
100	PV2 BPSK	1	271	19.26			20.7	0.0	
100	PV2 BPSK	135	0	19.87					
100	PV2 BPSK	135	69	19.73			20.7	0.0	
100	PV2 BPSK	135	138	19.87					
100	PV2 BPSK	270	0	19.85			20.7	0.0	
100	QPSK	1	1	19.11					
100	QPSK	1	137	19.75			20.7	0.0	
100	QPSK	1	271	19.25					
100	QPSK	135	0	19.85			20.7	0.0	
100	QPSK	135	69	19.71					
100	QPSK	135	138	19.95			20.7	0.0	
100	QPSK	270	0	19.89					
100	16QAM	1	1	19.01			20.7	0.0	
100	64QAM	1	1	18.81					
100	256QAM	1	1	17.11			18.2	2.5	
Channel				633000	633334	633666	turn-up limit (dbm)	MPR	(db)
Frequency (MHz)				3495	3500.01	3504.99	limit (dbm)		
90	PV2 BPSK	1	1	19.05	19.12	19.03	20.7	0.0	
Channel				632998	633334	634000	turn-up limit (dbm)	MPR	(db)
Frequency (MHz)				3490.02	3500.01	3510	limit (dbm)		
80	PV2 BPSK	1	1	19.08	19.12	19.03	20.7	0.0	
Channel				632334	633334	634332	turn-up limit (dbm)	MPR	(db)
Frequency (MHz)				3485.01	3500.01	3514.08	limit (dbm)		
70	PV2 BPSK	1	1	19.05	19.12	19.04	20.7	0.0	
Channel				632000	633334	634666	turn-up limit (dbm)	MPR	(db)
Frequency (MHz)				3480	3500.01	3519.99	limit (dbm)		
60	PV2 BPSK	1	1	19.07	19.06	19.03	20.7	0.0	
Channel				631666	633334	635000	turn-up limit (dbm)	MPR	(db)
Frequency (MHz)				3475.02	3500.01	3525	limit (dbm)		
50	PV2 BPSK	1	1	19.08	19.10	19.02	20.7	0.0	
Channel				631334	633334	635332	turn-up limit (dbm)	MPR	(db)
Frequency (MHz)				3470.01	3500.01	3528.08	limit (dbm)		
40	PV2 BPSK	1	1	19.09	19.12	19.05	20.7	0.0	
Channel				631000	633334	635666	turn-up limit (dbm)	MPR	(db)
Frequency (MHz)				3465	3500.01	3534.99	limit (dbm)		
30	PV2 BPSK	1	1	19.08	19.08	19.02	20.7	0.0	
Channel				630534	633334	635932	turn-up limit (dbm)	MPR	(db)
Frequency (MHz)				3462.51	3500.01	3537.48	limit (dbm)		
25	PV2 BPSK	1	1	19.05	19.09	19.05	20.7	0.0	
Channel				630986	633334	636000	turn-up limit (dbm)	MPR	(db)
Frequency (MHz)				3460.02	3500.01	3540	limit (dbm)		
20	PV2 BPSK	1	1	19.09	19.12	19.06	20.7	0.0	
Channel				630500	633334	636166	turn-up limit (dbm)	MPR	(db)
Frequency (MHz)				3457.5	3500.01	3542.49	limit (dbm)		
15	PV2 BPSK	1	1	19.09	19.12	19.06	20.7	0.0	
Channel				630334	633334	636332	turn-up limit (dbm)	MPR	(db)
Frequency (MHz)				3455.01	3500.01	3544.48	limit (dbm)		
10	PV2 BPSK	1	1	19.09	19.08	19.02	20.7	0.0	

n77(Part 27O)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				650000 656000 652000					
Frequency (MHz)				3750 3840 3930					
100	PV2 BPSK	1	1	16.26	18.27	18.27	17.7	0.0	
100	PV2 BPSK	1	137	16.89	17.03	16.94			
100	PV2 BPSK	1	271	16.21	18.34	16.27	17.7	0.0	
100	PV2 BPSK	135	0	16.75	16.87	16.77			
100	PV2 BPSK	135	69	16.88	16.96	16.87	17.7	0.0	
100	PV2 BPSK	135	138	16.73	16.78	16.78			
100	PV2 BPSK	270	0	16.69	16.85	16.72	17.7	0.0	
100	QPSK	1	1	16.19	16.26	16.17			
100	QPSK	1	137	16.92	16.94	16.80	17.7	0.0	
100	QPSK	1	271	16.19	16.25	16.21			
100	QPSK	135	0	16.71	16.75	16.79	17.7	0.0	
100	QPSK	135	69	16.85	16.93	16.84			
100	QPSK	135	138	16.69	16.75	16.75	17.7	0.0	
100	QPSK	270	0	16.72	16.89	16.69			
100	16QAM	1	1	16.11	16.17	16.08	17.7	0.0	
100	64QAM	1	1	15.84	15.90	15.83			
100	256QAM	1	1	14.61	14.72	14.66	15.2	2.5	
Channel				649668	650000	650332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	limit (dBm)		
90	PV2 BPSK	1	1	16.23	16.22	16.23	17.7	0.0	
Channel				649334	650000	650332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3939.99	limit (dBm)		
80	PV2 BPSK	1	1	16.22	16.23	16.22	17.7	0.0	
Channel				649000	650000	650300	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	limit (dBm)		
70	PV2 BPSK	1	1	16.21	16.26	16.24	17.7	0.0	
Channel				648668	650000	650332	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3949.98	limit (dBm)		
60	PV2 BPSK	1	1	16.24	16.26	16.23	17.7	0.0	
Channel				648334	650000	650366	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3954.99	limit (dBm)		
50	PV2 BPSK	1	1	16.23	16.22	16.23	17.7	0.0	
Channel				648000	650000	650400	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	limit (dBm)		
40	PV2 BPSK	1	1	16.21	16.25	16.26	17.7	0.0	
Channel				647668	650000	650432	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3964.98	limit (dBm)		
30	PV2 BPSK	1	1	16.22	16.23	16.22	17.7	0.0	
Channel				647334	650000	650366	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	limit (dBm)		
25	PV2 BPSK	1	1	16.23	16.24	16.23	17.7	0.0	
Channel				647334	650000	650466	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3969.99	limit (dBm)		
20	PV2 BPSK	1	1	16.25	16.26	16.23	17.7	0.0	
Channel				647168	650000	650432	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.48	limit (dBm)		
15	PV2 BPSK	1	1	16.24	16.24	16.25	17.7	0.0	
Channel				647000	650000	650500	turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	limit (dBm)		
10	PV2 BPSK	1	1	16.22	16.26	16.24	17.7	0.0	

n77(Part 27O)_Ant 6(HPUE)									
BW (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			Tune-up limit (dBm)	MPR (dB)	
				Power Low Ch./ Freq.	Power Mid Ch./ Freq.	Power High Ch./ Freq.			
Channel				650000	656000	662000			
Frequency (MHz)				3750	3810	3870			
100	PV2 BPSK	1	1	19.19	19.28	19.17	20.7	0.0	
100	PV2 BPSK	1	137	19.81	19.93	19.84			
100	PV2 BPSK	1	271	19.19	19.29	19.28	20.7	0.0	
100	PV2 BPSK	135	0	19.82	19.73	19.68			
100	PV2 BPSK	135	69	19.82	19.82	19.77	20.7	0.0	
100	PV2 BPSK	135	138	19.68	19.67	19.61			
100	PV2 BPSK	270	0	19.59	19.71	19.61	20.7	0.0	
100	QPSK	1	1	19.17	19.19	19.20			
100	QPSK	1	137	19.79	19.87	19.75	20.7	0.0	
100	QPSK	1	271	19.17	19.22	19.22			
100	QPSK	135	0	19.87	19.77	19.68	20.7	0.0	
100	QPSK	135	69	19.72	19.81	19.73			
100	QPSK	135	138	19.59	19.66	19.65	20.7	0.0	
100	QPSK	270	0	19.68	19.77	19.60			
100	16QAM	1	1	19.06	19.15	19.02	20.7	0.0	
100	64QAM	1	1	19.74	19.77	19.73			
100	256QAM	1	1	17.72	17.26	17.15	18.2	2.5	
Channel				64968	65600	66232	tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02 <th>38100<th>3874.88<th>(dBm)<th>(dB)<th></th></th></th></th></th>	38100 <th>3874.88<th>(dBm)<th>(dB)<th></th></th></th></th>	3874.88 <th>(dBm)<th>(dB)<th></th></th></th>	(dBm) <th>(dB)<th></th></th>	(dB) <th></th>	
90	PV2 BPSK	1	1	19.14	19.23	19.13	20.7	0.0	
				649334	656000	662606			
Frequency (MHz)				3740.01	3840	3939.99			
80	PV2 BPSK	1	1	19.15	19.24	19.14	20.7	0.0	
Channel				649000	656000	663000			
Frequency (MHz)				3735.00	3840	3940			
70	PV2 BPSK	1	1	19.16	19.23	19.14	20.7	0.0	
Channel				648686	656000	663332			
Frequency (MHz)				3730.02	3840	3949.98			
60	PV2 BPSK	1	1	19.17	19.23	19.12	20.7	0.0	
Channel				648433	656000	663000			
Frequency (MHz)				3725.01	3840	3954.99			
50	PV2 BPSK	1	1	19.14	19.25	19.15	20.7	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720.00	3840	3960.00			
40	PV2 BPSK	1	1	19.19	19.25	19.13	20.7	0.0	
Channel				647686	656000	664332			
Frequency (MHz)				3715.02	3840	3964.98			
30	PV2 BPSK	1	1	19.14	19.27	19.16	20.7	0.0	
Channel				647334	656000	664500			
Frequency (MHz)				3710.01	3840	3969.99			
25	PV2 BPSK	1	1	19.17	19.25	19.15	20.7	0.0	
Channel				647334	656000	664666			
Frequency (MHz)				3710.01	3840	3969.99			
20	PV2 BPSK	1	1	19.14	19.26	19.14	20.7	0.0	
Channel				647188	656000	664832			
Frequency (MHz)				3707.52	3840	3972.48			
15	PV2 BPSK	1	1	19.16	19.26	19.12	20.7	0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705.00	3840	3974.00			
10	PV2 BPSK	1	1	19.14	19.23	19.16	20.7	0.0	



Conducted Power for WLAN/Bluetooth

2.4GHz WLAN				Full		Head Standalone		Head Simultaneous		Hotspot on		Body worn Standalone		Body worn Simultaneous		Sensor on Standalone		Sensor on 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	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
2.4GHz WLAN	802.11b 1Mbps	1	2412	21.67	23.00	15.71	17.00	13.64	15.00	16.64	20.00	21.67	23.00	21.67	23.00	21.67	23.00	21.67	23.00	99.64		
		6	2437	22.06	23.00	15.97	17.00	13.99	15.00	16.96	20.00	22.06	23.00	22.06	23.00	22.06	23.00	22.06	23.00			
		11	2462	21.27	23.00	15.54	17.00	13.33	15.00	16.21	20.00	21.27	23.00	21.27	23.00	21.27	23.00	21.27	23.00			
	802.11g 6Mbps	1	2412	17.04	18.50	15.56	17.00	13.57	15.00	17.04	18.50	17.04	18.50	17.04	18.50	17.04	18.50	17.04	18.50	97.20		
		6	2437	19.88	21.00	15.82	17.00	13.85	15.00	18.82	20.00	19.88	21.00	19.88	21.00	19.88	21.00	19.88	21.00			
		11	2462	16.46	18.00	15.41	17.00	13.43	15.00	16.46	18.00	16.46	18.00	16.46	18.00	16.46	18.00	16.46	18.00			
	802.11n-HT20 MCS0	1	2412	14.77	16.50			16.50			15.00		16.50	14.77	16.50	14.77	16.50	14.77	16.50	14.77	16.50	97.74
		2	2417	19.64	21.00			17.00			15.00		20.50	19.64	21.00	19.64	21.00	19.64	21.00	19.64	21.00	
		6	2437	19.77	21.00			17.00			15.00		20.50	19.77	21.00	19.77	21.00	19.77	21.00	19.77	21.00	
		10	2457	19.71	21.00			17.00			15.00		20.50	19.71	21.00	19.71	21.00	19.71	21.00	19.71	21.00	
		11	2462	15.36	17.00			17.00			15.00		17.00	15.36	17.00	15.36	17.00	15.36	17.00	15.36	17.00	
		11	2462	13.51	15.00			15.00			15.00		15.00	13.51	15.00	13.51	15.00	13.51	15.00	13.51	15.00	
	802.11n-HT40 MCS0	6	2437	17.49	19.00			17.00			15.00		19.00	17.49	19.00	17.49	19.00	17.49	19.00	17.49	19.00	94.20
		9	2452	13.75	15.00		Not Required	15.00		Not Required	15.00		15.00	13.75	15.00	13.75	15.00	13.75	15.00	13.75	15.00	
		1	2412	14.71	16.50			16.50			15.00		16.50	14.71	16.50	14.71	16.50	14.71	16.50	14.71	16.50	
	802.11ac-VHT20 MCS0	2	2417	19.58	21.00			17.00			15.00		20.50	19.58	21.00	19.58	21.00	19.58	21.00	19.58	21.00	97.78
		6	2437	19.69	21.00			17.00			15.00		20.50	19.69	21.00	19.69	21.00	19.69	21.00	19.69	21.00	
		10	2457	19.62	21.00			17.00			15.00		20.50	19.62	21.00	19.62	21.00	19.62	21.00	19.62	21.00	
	802.11ac-VHT40 MCS0	11	2462	15.28	17.00			17.00			15.00		17.00	15.28	17.00	15.28	17.00	15.28	17.00	15.28	17.00	95.65
		3	2422	13.36	15.00			15.00			15.00		15.00	13.36	15.00	13.36	15.00	13.36	15.00	13.36	15.00	
		6	2437	17.30	19.00			17.00			15.00		19.00	17.30	19.00	17.30	19.00	17.30	19.00	17.30	19.00	
			9	2452	13.61	15.00			15.00			15.00	13.61	15.00	13.61	15.00	13.61	15.00	13.61	15.00	13.61	15.00

	5.2GHz WLAN					Full		Head Standalone		Head Simultaneous		Hotspot on		Body worn Standalone		Body worn Simultaneous		Sensor on Standalone		Sensor on 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	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	16.16	17.50			13.90		10.00			14.00		17.50		17.00		17.50		13.50	97.20	
		40	5200	18.65	20.00			13.90		10.00			14.00		19.00		17.00		17.50		13.50		
		44	5220	18.74	20.00			13.90		10.00			14.00		19.00		17.00		17.50		13.50		
		48	5240	18.75	20.00			13.90		10.00			14.00		19.00		17.00		17.50		13.50		
	802.11n-HT20 MCS0	36	5180	16.13	17.50			13.90		10.00			14.00		17.50		17.00		17.50		13.50	97.01	
		40	5200	18.58	20.00			13.90		10.00			14.00		19.00		17.00		17.50		13.50		
		44	5220	18.62	20.00			13.90		10.00			14.00		19.00		17.00		17.50		13.50		
		48	5240	18.64	20.00			13.90		10.00			14.00		19.00		17.00		17.50		13.50		
	802.11n-HT40 MCS0	38	5190	11.35	13.00	11.35	13.00			10.00	11.35	13.00	11.35	13.00	11.35	13.00	11.35	13.00	11.35	13.00	11.35	13.00	95.59
		46	5230	17.76	19.00	12.18	13.50			10.00	12.70	14.00	17.76	19.00	15.69	17.00	16.24	17.50	12.18	13.50	12.18	13.50	
		36	5180	16.07	17.50			13.90		10.00			14.00		17.50		17.00		17.50		13.50		
		40	5200	17.72	19.00			13.90		10.00			14.00		19.00		17.00		17.50		13.50		
	802.11ac-VHT20 MCS0	44	5220	17.80	19.00			13.90		10.00			14.00		19.00		17.00		17.50		13.50	97.04	
		48	5240	17.78	19.00			13.90		10.00			14.00		19.00		17.00		17.50		13.50		
		38	5190	11.27	13.00			13.00		10.00			13.00		13.00		13.00		13.00		13.00		
		46	5230	17.72	19.00			13.90		10.00			14.00		19.00		17.00		17.50		13.50		
	802.11ac-VHT40 MCS0	42	5210	10.32	11.50			11.50	8.86	10.00		11.50		11.50		11.50		11.50		11.50		11.50	88.89

	5.3GHz WLAN					Full		Head Standalone		Head Simultaneous		Body worn Standalone		Body worn Simultaneous		Sensor on Standalone		Sensor on Simultaneous		Duty Cycle %	
	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	Average power (dBm)	Tune-Up Limit		
5.3GHz WLAN	802.11a 6Mbps	52	5280	18.73	20.00			13.50	10.00			19.00	17.00		20.00		13.50		13.50	97.20	
		56	5280	18.67	20.00			13.50	10.00			19.00	17.00		20.00		13.50		13.50		
		60	5300	18.78	20.00			13.50	10.00			19.00	17.00		20.00		13.50		13.50		
		64	5320	15.72	17.00			13.50	10.00			17.00	17.00		17.00		13.50		13.50		
	802.11n-HT20 MCS0	52	5280	18.66	20.00			13.50	10.00			19.00	17.00		20.00		13.50		13.50	97.01	
		56	5280	18.62	20.00			13.50	10.00			19.00	17.00		20.00		13.50		13.50		
		60	5300	18.67	20.00			13.50	10.00			19.00	17.00		20.00		13.50		13.50		
		64	5320	15.59	16.50			10.00	16.50			16.50	16.50		16.50		13.50		13.50		
	802.11n-HT40 MCS0	54	5270	17.80	19.00	12.41	13.50			10.00	17.80	19.00	15.67	17.00	16.34	17.50	12.39	13.50		13.50	95.59
		62	5310	13.94	15.00	12.38	13.50			10.00	13.94	15.00	13.94	15.00	13.94	15.00	12.38	13.50		13.50	
	802.11ac-VHT20 MCS0	52	5280	17.79	19.00			13.50	10.00			19.00	17.00		19.00		13.50		13.50	97.04	
		56	5280	17.73	19.00			13.50	10.00			19.00	17.00		19.00		13.50		13.50		
		60	5300	17.82	19.00			13.50	10.00			19.00	17.00		19.00		13.50		13.50		
		64	5320	15.51	16.50			13.50	10.00			16.50	16.50		16.50		13.50		13.50		
	802.11ac-VHT40 MCS0	54	5270	17.66	19.00			13.50	10.00			19.00	17.00		17.50		13.50		13.50	94.20	
62		5310	13.79	15.00			13.50	10.00			15.00	15.00		15.00		13.50		13.50			
802.11ac-VHT80 MCS0	58	5290	9.93	11.00			11.00	8.67	10.00			11.00	11.00		11.00		11.00	11.00	88.89		

**BT BR/EDR**

Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	8.12	8.09	8.14	6.07	6.05	6.12	6.06	6.03	6.14	10.00
	CH 39	2441	10.22	10.19	10.25	7.83	7.80	7.87	7.81	7.78	7.87	12.00
	CH 78	2480	10.27	10.31	10.33	7.73	7.72	7.78	7.70	7.66	7.76	12.00

BT LE 4.0

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit
			GFSK	
LE	CH 00	2402	3.32	5.30
	CH 19	2440	4.78	6.50
	CH 39	2480	4.39	6.50

BT LE 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
			Maps		2Maps	
LE	CH 00	2402	3.32	5.30	3.32	5.30
	CH 19	2440	4.78	6.50	4.80	6.50
	CH 39	2480	4.39	6.50	4.42	6.50