

10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %
10978	AAA	ULLA BDR	ULLA	2.23	± 9.6 %
10979	AAA	ULLA HDR4	ULLA	7.02	± 9.6 %
10980	AAA	ULLA HDR8	ULLA	8.82	± 9.6 %
10981	AAA	ULLA HDRp4	ULLA	1.50	± 9.6 %
10982	AAA	ULLA HDRp8	ULLA	1.44	± 9.6 %

^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.

Full Power Mode_Main PA

GSM850 Ant0 Default									
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		33.15	33.18	33.08	34.00	24.15	24.18	24.08	25.00
GPRS 1 Tx slot		33.10	33.15	33.02	34.00	24.10	24.15	24.02	25.00
GPRS 2 Tx slots		30.10	30.17	30.09	31.00	24.10	24.17	24.09	25.00
GPRS 3 Tx slots		28.26	28.34	28.28	29.50	24.00	24.08	24.02	25.24
GPRS 4 Tx slots		26.80	26.91	26.85	28.00	23.80	23.91	23.85	25.00
EDGE 1 Tx slot		27.13	27.18	27.09	27.50	18.13	18.18	18.09	18.50
EDGE 2 Tx slots		24.21	24.29	24.24	24.50	18.21	18.29	18.24	18.50
EDGE 3 Tx slots		22.27	22.30	22.26	22.50	18.01	18.04	18.00	18.24
EDGE 4 Tx slots		20.88	20.96	20.91	21.50	17.88	17.96	17.91	18.50
GSM1900 Ant0 Default									
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.96	29.99	29.84	31.00	20.96	20.99	20.84	22.00
GPRS 1 Tx slot		29.87	29.92	29.80	31.00	20.87	20.92	20.80	22.00
GPRS 2 Tx slots		27.06	27.11	27.02	28.00	21.06	21.11	21.02	22.00
GPRS 3 Tx slots		25.27	25.32	25.23	26.50	21.01	21.06	20.97	22.24
GPRS 4 Tx slots		23.86	23.96	23.90	25.00	20.86	20.96	20.90	22.00
EDGE 1 Tx slot		25.70	25.78	25.73	26.50	16.70	16.78	16.73	17.50
EDGE 2 Tx slots		22.52	22.58	22.53	23.50	16.52	16.58	16.53	17.50
EDGE 3 Tx slots		20.60	20.64	20.50	21.50	16.34	16.38	16.24	17.24
EDGE 4 Tx slots		19.04	19.08	19.04	20.00	16.04	16.08	16.04	17.00

		WCDMA 8 Ant0 Default			Tune-up Limit (dBm)	WCDMA 4 Ant0 Default			Tune-up Limit (dBm)	WCDMA V Ant0 Default			Tune-up Limit (dBm)			
Band		WCDMA 8				WCDMA 4				WCDMA V						
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	626.4	636.4	646.6						
3GPP Rel 99	AMR 12.2Kbps	23.91	24.05	23.96	24.50	23.71	23.84	23.76	25.00	24.27	24.46	24.18	25.00			
3GPP Rel 99	RMC 12.2Kbps	24.03	24.16	24.04	24.50	23.76	23.92	23.83	25.00	24.34	24.51	24.23	25.00			
3GPP Rel 6	HSDPA Subtest-1	23.01	23.19	22.95	23.50	22.76	22.96	22.87	24.00	23.31	23.49	23.26	24.00			
3GPP Rel 6	HSDPA Subtest-2	23.06	23.13	22.97	23.50	22.72	22.91	22.85	24.00	23.30	23.54	23.22	24.00			
3GPP Rel 6	HSDPA Subtest-3	22.55	22.74	22.46	23.00	22.33	22.42	22.30	23.50	22.91	23.07	22.80	23.50			
3GPP Rel 6	HSDPA Subtest-4	22.50	22.58	22.43	23.00	22.25	22.48	22.29	23.50	22.80	22.99	22.70	23.50			
3GPP Rel 8	DC-HSDPA Subtest-1	23.06	23.19	23.04	23.50	22.73	23.02	22.94	24.00	23.33	23.48	23.26	24.00			
3GPP Rel 8	DC-HSDPA Subtest-2	23.01	23.21	23.05	23.50	22.70	22.95	22.87	24.00	23.34	23.53	23.20	24.00			
3GPP Rel 8	DC-HSDPA Subtest-3	22.54	22.76	22.43	23.00	22.38	22.48	22.30	23.50	22.87	23.03	22.86	23.50			
3GPP Rel 8	DC-HSDPA Subtest-4	22.60	22.57	22.54	23.00	22.29	22.51	22.33	23.50	22.78	22.98	22.68	23.50			
3GPP Rel 6	HSUPA Subtest-1	23.03	23.16	23.02	23.50	22.73	22.96	22.85	24.00	23.41	23.47	23.27	24.00			
3GPP Rel 6	HSUPA Subtest-2	21.05	21.17	20.97	21.50	20.71	20.90	20.88	22.00	21.37	21.48	21.21	22.00			
3GPP Rel 6	HSUPA Subtest-3	22.09	22.22	21.91	22.50	21.72	21.95	21.84	23.00	22.40	22.50	22.21	23.00			
3GPP Rel 6	HSUPA Subtest-4	21.07	21.14	20.97	21.50	20.72	20.96	20.82	22.00	21.34	21.49	21.23	22.00			
3GPP Rel 6	HSUPA Subtest-5	23.05	23.12	22.97	23.50	22.81	22.92	22.88	24.00	23.39	23.50	23.22	24.00			
3GPP Rel 7	HSPA+ (6QAM) Subtest-1	20.53	20.61	20.49	21.00	20.31	20.41	20.32	21.50	20.89	20.98	20.84	21.50			

Band 38 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2500	2595	2610			
20	QPSK	1	0	23.94	24.08	23.97	25	0	
20	QPSK	1	49	23.91	24.06	23.97			
20	QPSK	1	99	23.79	23.88	23.75			
20	QPSK	50	0	22.91	22.95	22.81	24	1	
20	QPSK	50	24	22.90	22.95	22.85			
20	QPSK	50	50	22.89	22.94	22.81			
20	QPSK	100	0	22.83	22.96	22.83	24	1	
20	16QAM	1	0	22.91	22.99	22.94			
20	16QAM	1	49	22.94	23.04	22.96			
20	16QAM	1	99	22.77	22.92	22.77	23	2	
20	16QAM	50	0	22.01	22.05	21.94			
20	16QAM	50	24	21.90	21.96	21.92			
20	16QAM	50	50	21.87	22.01	21.93	23	2	
20	16QAM	100	0	22.07	22.11	22.07			
20	64QAM	1	0	21.81	21.87	21.73			
20	64QAM	1	49	21.72	21.84	21.81	23	2	
20	64QAM	1	99	21.86	21.93	21.86			
20	64QAM	50	0	21.00	21.12	21.03			
20	64QAM	50	24	21.02	21.06	21.00	22	3	
20	64QAM	50	50	20.93	20.97	20.94			
20	64QAM	100	0	21.01	21.08	20.95			
20	256QAM	1	0	18.83	18.94	18.84	20	5	
20	256QAM	1	49	18.97	19.01	18.97			
20	256QAM	1	99	18.93	19.07	19.04			
20	256QAM	50	0	19.03	19.12	19.04	20	5	
20	256QAM	50	24	18.99	19.03	18.96			
20	256QAM	50	50	18.87	18.98	18.93			
20	256QAM	100	0	19.04	19.10	19.02			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.78	24.04	23.86	25	0	
15	QPSK	1	37	23.85	24.00	23.94			
15	QPSK	1	74	23.70	23.81	23.71			
15	QPSK	36	0	22.82	22.96	22.84	24	1	
15	QPSK	36	20	22.80	22.83	22.75			
15	QPSK	36	39	22.82	22.87	22.74			
15	QPSK	75	0	22.79	22.86	22.73	24	1	
15	16QAM	1	0	22.81	22.89	22.90			
15	16QAM	1	37	22.81	22.90	22.83			
15	16QAM	1	74	22.71	22.80	22.67	23	2	
15	16QAM	36	0	21.94	21.95	21.81			
15	16QAM	36	20	21.77	21.91	21.83			
15	16QAM	36	39	21.79	21.93	21.87	23	2	
15	16QAM	75	0	22.01	22.08	21.96			
15	64QAM	1	0	21.72	21.73	21.70			
15	64QAM	1	37	21.63	21.74	21.66	22	3	
15	64QAM	1	74	21.75	21.80	21.76			
15	64QAM	36	0	20.97	21.02	20.97			
15	64QAM	36	20	20.91	21.03	20.86	20	5	
15	64QAM	36	39	20.83	20.93	20.87			
15	64QAM	75	0	20.90	20.97	20.86			
15	256QAM	1	0	18.74	18.86	18.78	20	5	
15	256QAM	1	37	18.82	18.97	18.83			
15	256QAM	1	74	18.82	19.02	18.93			
15	256QAM	36	0	18.94	18.98	19.00	20	5	
15	256QAM	36	20	18.87	18.95	18.91			
15	256QAM	36	39	18.81	18.94	18.87			
15	256QAM	75	0	18.96	19.06	18.97			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.77	23.97	23.85	25	0	
10	QPSK	1	25	23.84	23.93	23.93			
10	QPSK	1	49	23.66	23.82	23.68			
10	QPSK	25	0	22.81	22.89	22.84	24	1	
10	QPSK	25	12	22.80	22.90	22.81			
10	QPSK	25	25	22.85	22.85	22.71			
10	QPSK	50	0	22.79	22.90	22.70	24	1	
10	16QAM	1	0	22.76	22.95	22.89			
10	16QAM	1	25	22.91	22.93	22.91			
10	16QAM	1	49	22.70	22.78	22.69	23	2	
10	16QAM	25	0	21.91	21.99	21.80			
10	16QAM	25	12	21.82	21.90	21.81			
10	16QAM	25	25	21.82	21.92	21.89	23	2	
10	16QAM	50	0	21.97	21.98	21.98			
10	64QAM	1	0	21.72	21.79	21.67			
10	64QAM	1	25	21.67	21.75	21.76	22	3	
10	64QAM	1	49	21.82	21.86	21.72			
10	64QAM	25	0	20.94	21.08	20.90			
10	64QAM	25	12	20.96	20.98	20.88	20	5	
10	64QAM	25	25	20.81	20.92	20.90			
10	64QAM	50	0	20.98	20.97	20.89			
10	256QAM	1	0	18.75	18.85	18.79	20	5	
10	256QAM	1	25	18.83	18.95	18.92			
10	256QAM	1	49	18.78	18.98	18.99			
10	256QAM	25	0	18.98	18.99	18.91	20	5	
10	256QAM	25	12	18.88	18.96	18.93			
10	256QAM	25	25	18.76	18.92	18.88			
10	256QAM	50	0	18.99	18.98	18.92			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.77	23.94	23.89	25	0	
5	QPSK	1	12	23.85	23.99	23.86			
5	QPSK	1	24	23.75	23.74	23.68			
5	QPSK	12	0	22.83	22.96	22.87	24	1	
5	QPSK	12	7	22.77	22.91	22.76			
5	QPSK	12	13	22.78	22.81	22.67			
5	QPSK	25	0	22.68	22.89	22.79	24	1	
5	16QAM	1	0	22.76	22.92	22.83			
5	16QAM	1	12	22.86	22.91	22.89			
5	16QAM	1	24	22.63	22.87	22.63	23	2	
5	16QAM	12	0	21.88	21.97	21.86			
5	16QAM	12	7	21.76	21.92	21.87			
5	16QAM	12	13	21.80	21.95	21.89	23	2	
5	16QAM	25	0	21.93	22.05	22.04			
5	64QAM	1	0	21.67	21.80	21.62			
5	64QAM	1	12	21.65	21.72	21.68	22	3	
5	64QAM	1	24	21.83	21.80	21.79			
5	64QAM	12	0	20.88	21.03	20.93			
5	64QAM	12	7	20.97	21.00	20.93	20	5	
5	64QAM	12	13	20.85	20.83	20.90			
5	64QAM	25	0	20.94	21.02	20.86			
5	256QAM	1	0	18.71	18.90	18.72	20	5	
5	256QAM	1	12	18.93	18.95	18.85			
5	256QAM	1	24	18.85	18.95	18.92			
5	256QAM	12	0	18.95	19.06	19.00	20	5	
5	256QAM	12	7	18.84	18.99	18.92			
5	256QAM	12	13	18.83	18.90	18.87			
5	256QAM	25	0	19.00	18.97	18.90			

GSM850 Ant1 Default

GSM850	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)								
GSM 1 Tx slot	32.89	32.93	32.87	34.50	23.89	23.93	23.87	25.50
GPRS 1 Tx slot	32.82	32.89	32.83	34.50	23.82	23.89	23.83	25.50
GPRS 2 Tx slots	29.93	29.96	29.93	31.50	23.93	23.96	23.93	25.50
GPRS 4 Tx slots	28.02	28.12	28.06	30.00	23.76	23.86	23.80	25.74
GPRS 4 Tx slots	26.61	26.75	26.71	28.50	23.61	23.75	23.71	25.50
EDGE 1 Tx slot	26.96	27.05	26.97	28.00	17.96	18.05	17.97	19.00
EDGE 2 Tx slots	24.12	24.16	24.08	25.00	18.12	18.16	18.08	19.00
EDGE 3 Tx slots	22.16	22.21	22.13	23.00	17.90	17.95	17.87	18.74
EDGE 4 Tx slots	20.64	20.78	20.64	22.00	17.64	17.78	17.64	19.00

WCDMA V Ant1 Default

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4182	4182	4233	
Rxt Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2kbps	23.77	24.03	23.69	25.50
3GPP Rel 99	RM-C 12.2kbps	23.79	24.12	23.72	25.50
3GPP Rel 6	HSDPA Subtest-1	22.94	23.08	22.85	24.50
3GPP Rel 6	HSDPA Subtest-2	22.89	23.17	22.84	24.50
3GPP Rel 6	HSDPA Subtest-3	22.48	22.70	22.37	24.00
3GPP Rel 6	HSDPA Subtest-4	22.43	22.57	22.33	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.95	23.05	22.83	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.94	23.18	22.80	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.48	22.63	22.45	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.39	22.56	22.29	24.00
3GPP Rel 6	HSUPA Subtest-1	23.03	23.12	22.85	24.50
3GPP Rel 6	HSUPA Subtest-2	20.96	21.11	20.86	22.50
3GPP Rel 6	HSUPA Subtest-3	21.99	22.15	21.78	23.50
3GPP Rel 6	HSUPA Subtest-4	20.97	21.13	20.87	22.50
3GPP Rel 6	HSUPA Subtest-5	22.98	23.10	22.85	24.50
3GPP Rel 7	HSPA+ (L6QAM) Subtest	20.32	20.65	20.42	22.00

Band 38 Ant1 Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				37850	38000	38150						
Frequency (MHz)				2590	2595	2610						
20	QPSK	1	0	22.85	22.94	22.69	24	0				
20	QPSK	1	49	22.74	22.81	22.81						
20	QPSK	1	99	22.80	22.68	22.86						
20	QPSK	50	0	21.79	21.88	21.82	23	1				
20	QPSK	50	24	21.71	21.76	21.76						
20	QPSK	50	50	21.74	21.68	21.66						
20	QPSK	100	0	21.72	21.86	21.70	23	1				
20	16QAM	1	0	21.81	21.84	21.85						
20	16QAM	1	49	21.81	21.68	21.86						
20	16QAM	1	99	21.75	21.66	21.82	23	1				
20	16QAM	50	0	20.83	20.85	20.82						
20	16QAM	50	24	20.80	20.80	20.80						
20	16QAM	50	50	20.68	20.71	20.72	22	2				
20	16QAM	100	0	20.74	20.77	20.73						
20	64QAM	1	0	20.82	20.85	20.87						
20	64QAM	1	49	20.78	20.83	20.77	22	2				
20	64QAM	1	99	20.73	20.70	20.78						
20	64QAM	50	0	19.86	19.87	19.87						
20	64QAM	50	24	19.73	19.81	19.81	21	3				
20	64QAM	50	50	19.70	19.72	19.71						
20	64QAM	100	0	19.76	19.78	19.78						
20	256QAM	1	0	17.79	17.86	17.82	19	5				
20	256QAM	1	49	17.76	17.83	17.82						
20	256QAM	1	99	17.66	17.68	17.71						
20	256QAM	50	0	17.91	17.92	17.88	19	5				
20	256QAM	50	24	17.85	17.85	17.87						
20	256QAM	50	50	17.69	17.76	17.72						
20	256QAM	100	0	17.74	17.79	17.75	24	0				
Channel				37825	38000	38175						
Frequency (MHz)				2577.5	2595	2612.5						
15	QPSK	1	0	22.85	22.88	22.69	24	0				
15	QPSK	1	37	22.73	22.75	22.82						
15	QPSK	1	74	22.79	22.74	22.82						
15	QPSK	36	0	21.83	21.84	21.77	23	1				
15	QPSK	36	20	21.72	21.70	21.72						
15	QPSK	36	39	21.66	21.69	21.66						
15	QPSK	75	0	21.77	21.69	21.71	23	1				
15	16QAM	1	0	21.87	21.84	21.83						
15	16QAM	1	37	21.86	21.78	21.83						
15	16QAM	1	74	21.80	21.68	21.79	22	2				
15	16QAM	36	0	20.89	20.83	20.84						
15	16QAM	36	20	20.85	20.78	20.80						
15	16QAM	36	39	20.72	20.70	20.72	22	2				
15	16QAM	75	0	20.75	20.77	20.69						
15	64QAM	1	0	20.80	20.83	20.88						
15	64QAM	1	37	20.77	20.76	20.78	21	3				
15	64QAM	1	74	20.76	20.74	20.80						
15	64QAM	36	0	19.88	19.83	19.82						
15	64QAM	36	20	19.74	19.78	19.81	19	5				
15	64QAM	36	39	19.70	19.69	19.70						
15	64QAM	75	0	19.76	19.74	19.73						
15	256QAM	1	0	17.81	17.85	17.78	19	5				
15	256QAM	1	37	17.75	17.80	17.78						
15	256QAM	1	74	17.70	17.73	17.66						
15	256QAM	36	0	17.90	17.88	17.85	19	5				
15	256QAM	36	20	17.87	17.81	17.83						
15	256QAM	36	39	17.67	17.72	17.73						
15	256QAM	75	0	17.75	17.75	17.74	24	0				
Channel				37800	38000	38200						
Frequency (MHz)				2575	2595	2615						
10	QPSK	1	0	22.85	22.87	22.75	24	0				
10	QPSK	1	25	22.77	22.89	22.81						
10	QPSK	1	49	22.88	22.70	22.82						
10	QPSK	25	0	21.85	21.86	21.81	23	1				
10	QPSK	25	12	21.74	21.77	21.73						
10	QPSK	25	25	21.67	21.68	21.66						
10	QPSK	50	0	21.75	21.78	21.73	23	1				
10	16QAM	1	0	21.87	21.92	21.89						
10	16QAM	1	25	21.86	21.87	21.85						
10	16QAM	1	49	21.82	21.72	21.82	22	2				
10	16QAM	25	0	20.84	20.90	20.85						
10	16QAM	25	12	20.88	20.84	20.78						
10	16QAM	25	25	20.75	20.72	20.71	22	2				
10	16QAM	50	0	20.75	20.82	20.69						
10	64QAM	1	0	20.83	20.90	20.86						
10	64QAM	1	25	20.85	20.84	20.73	21	3				
10	64QAM	1	49	20.75	20.73	20.80						
10	64QAM	25	0	19.87	19.87	19.86						
10	64QAM	25	12	19.74	19.82	19.79	19	5				
10	64QAM	25	25	19.78	19.76	19.73						
10	64QAM	50	0	19.78	19.84	19.74						
10	256QAM	1	0	17.82	17.94	17.85	19	5				
10	256QAM	1	25	17.81	17.86	17.84						
10	256QAM	1	49	17.71	17.74	17.66						
10	256QAM	25	0	17.97	17.92	17.91	19	5				
10	256QAM	25	12	17.89	17.86	17.89						
10	256QAM	25	25	17.76	17.80	17.72						
10	256QAM	50	0	17.68	17.81	17.72	24	0				
Channel				37775	38000	38225						
Frequency (MHz)				2572.5	2595	2617.5						
5	QPSK	1	0	22.75	22.82	22.68	24	0				
5	QPSK	1	12	22.67	22.78	22.80						
5	QPSK	1	24	22.77	22.69	22.83						
5	QPSK	12	0	21.74	21.84	21.81	23	1				
5	QPSK	12	7	21.66	21.73	21.73						
5	QPSK	12	13	21.76	21.72	21.71						
5	QPSK	25	0	21.68	21.75	21.68	23	1				
5	16QAM	1	0	21.74	21.85	21.82						
5	16QAM	1	12	21.78	21.89	21.83						
5	16QAM	1	24	21.66	21.67	21.76	22	2				
5	16QAM	12	0	20.75	20.86	20.79						
5	16QAM	12	7	20.76	20.81	20.78						
5	16QAM	12	13	20.70	20.72	20.67	22	2				
5	16QAM	25	0	20.67	20.79	20.68						
5	64QAM	1	0	20.75	20.81	20.80						
5	64QAM	1	12	20.74	20.82	20.70	22	2				
5	64QAM	1	24	20.66	20.69	20.74						
5	64QAM	12	0	19.76	19.85	19.84						
5	64QAM	12	7	19.70	19.79	19.74	21	3				
5	64QAM	12	13	19.66	19.71	19.66						
5	64QAM	25	0	19.71	19.80	19.78						
5	256QAM	1	0	17.71	17.88	17.75	19	5				
5	256QAM	1	12	17.67	17.83	17.77						
5	256QAM	1	24	17.70	17.66	17.69						
5	256QAM	12	0	17.85	17.93	17.81	19	5				
5	256QAM	12	7	17.77	17.83	17.83						
5	256QAM	12	13	17.69	17.74	17.74						
5	256QAM	25	0	17.66	17.78	17.71	24	0				

GSM1900 Ant2 Default

GSM1900		Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
TX Channel		661810			512	661810			
Frequency (MHz)		1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot		29.78	29.86	29.81	31.50	20.78	20.86	20.81	22.50
GPRS 1 Tx slot		29.78	29.81	29.76	31.50	20.78	20.81	20.76	22.50
GPRS 2 Tx slots		26.79	26.94	26.85	28.50	20.79	20.94	20.85	22.50
GPRS 3 Tx slots		25.08	25.12	25.01	27.00	20.82	20.86	20.75	22.74
GPRS 4 Tx slots		22.62	23.74	23.99	25.50	20.62	20.74	20.59	22.50
EDGE 1 Tx slot		25.69	25.82	25.72	27.00	16.69	16.82	16.72	18.00
EDGE 2 Tx slots		22.61	22.71	22.63	24.00	16.61	16.71	16.63	18.00
EDGE 3 Tx slots		20.74	20.80	20.71	22.00	16.48	16.54	16.45	17.74
EDGE 4 Tx slots		18.99	19.14	19.04	20.50	15.99	16.14	16.04	17.50

WCDMA II Ant2 Default

WCDMA IV Ant2 Default

Band	WCDMA II				Tune-up Limit (dBm)	WCDMA IV				Tune-up Limit (dBm)
	TX Channel					1413 1513				
	Rx Channel					1537 1638 1732				
Frequency (MHz)		9262	9400	9538		1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2kbps	23.67	23.71	23.61	25.50	23.73	23.96	23.93	25.50	
3GPP Rel 99	RMC 12.2kbps	23.76	23.82	23.65	25.50	23.77	24.06	23.91	25.50	
3GPP Rel 6	HSDPA Subtest-1	22.73	22.74	22.61	24.50	22.87	23.00	22.76	24.50	
3GPP Rel 6	HSDPA Subtest-2	22.78	22.77	22.66	24.50	22.85	23.08	22.77	24.50	
3GPP Rel 6	HSDPA Subtest-3	22.32	22.34	22.20	24.00	22.45	22.60	22.32	24.00	
3GPP Rel 6	HSDPA Subtest-4	22.25	22.28	22.08	24.00	22.32	22.53	22.20	24.00	
3GPP Rel 8	DC-HSDPA Subtest-1	22.71	22.76	22.56	24.50	22.89	22.99	22.82	24.50	
3GPP Rel 8	DC-HSDPA Subtest-2	22.76	22.77	22.66	24.50	22.89	23.10	22.75	24.50	
3GPP Rel 8	DC-HSDPA Subtest-3	22.28	22.27	22.17	24.00	22.37	22.56	22.40	24.00	
3GPP Rel 8	DC-HSDPA Subtest-4	22.20	22.24	22.06	24.00	22.34	22.54	22.17	24.00	
3GPP Rel 6	HSUPA Subtest-1	22.73	22.72	22.54	24.50	22.91	23.03	22.79	24.50	
3GPP Rel 6	HSUPA Subtest-2	20.74	20.74	20.59	22.50	20.92	20.99	20.76	22.50	
3GPP Rel 6	HSUPA Subtest-3	21.74	21.77	21.64	23.50	21.96	22.01	21.74	23.50	
3GPP Rel 6	HSUPA Subtest-4	20.74	20.75	20.63	22.50	20.89	21.01	20.79	22.50	
3GPP Rel 6	HSUPA Subtest-5	22.75	22.78	22.61	24.50	22.93	23.04	22.78	24.50	
3GPP Rel 7	HSPA+ (L6QAM) Subtest-1	20.21	20.35	20.31	22.00	20.42	20.56	20.41	22.00	

Band 38 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	24.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.55	23.57	23.52	23.5	1	
20	QPSK	1	49	23.40	23.53	23.45			
20	QPSK	1	99	23.27	23.35	23.23	23.5	1	
20	QPSK	50	0	22.52	22.58	22.45			
20	QPSK	50	24	22.36	22.48	22.36	23.5	1	
20	QPSK	50	50	22.35	22.41	22.34			
20	QPSK	100	0	22.45	22.52	22.43	23.5	1	
20	16QAM	1	0	22.44	22.47	22.45			
20	16QAM	1	49	22.27	22.38	22.25	23.5	1	
20	16QAM	1	99	22.30	22.38	22.26			
20	16QAM	50	0	21.47	21.55	21.44	22.5	2	
20	16QAM	50	24	21.37	21.48	21.38			
20	16QAM	50	50	21.24	21.37	21.26	22.5	2	
20	16QAM	100	0	21.34	21.48	21.36			
20	64QAM	1	0	21.50	21.57	21.48	22.5	2	
20	64QAM	1	49	21.42	21.50	21.42			
20	64QAM	1	99	21.32	21.29	21.35	21.5	3	
20	64QAM	50	0	20.47	20.54	20.41			
20	64QAM	50	24	20.39	20.47	20.40	21.5	3	
20	64QAM	50	50	20.33	20.39	20.30			
20	64QAM	100	0	20.41	20.51	20.44	19.5	5	
20	256QAM	1	0	18.48	18.55	18.47			
20	256QAM	1	49	18.44	18.53	18.39	19.5	5	
20	256QAM	1	99	18.40	18.30	18.37			
20	256QAM	50	0	18.46	18.58	18.46	19.5	5	
20	256QAM	50	24	18.42	18.52	18.44			
20	256QAM	50	50	18.34	18.46	18.34	19.5	5	
20	256QAM	100	0	18.34	18.47	18.40			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.45	23.46	23.42	24.5	0	
15	QPSK	1	37	23.27	23.43	23.34			
15	QPSK	1	74	23.18	23.23	23.15	23.5	1	
15	QPSK	36	0	22.44	22.49	22.37			
15	QPSK	36	20	22.24	22.38	22.25	23.5	1	
15	QPSK	36	39	22.26	22.30	22.24			
15	QPSK	75	0	22.34	22.40	22.35	23.5	1	
15	16QAM	1	0	22.31	22.40	22.33			
15	16QAM	1	37	22.16	22.25	22.16	23.5	1	
15	16QAM	1	74	22.17	22.29	22.20			
15	16QAM	36	0	21.37	21.46	21.32	22.5	2	
15	16QAM	36	20	21.27	21.38	21.28			
15	16QAM	36	39	21.15	21.25	21.16	22.5	2	
15	16QAM	75	0	21.26	21.42	21.29			
15	64QAM	1	0	21.42	21.47	21.38	22.5	2	
15	64QAM	1	37	21.33	21.37	21.35			
15	64QAM	1	74	21.23	21.15	21.27	21.5	3	
15	64QAM	36	0	20.37	20.43	20.31			
15	64QAM	36	20	20.28	20.38	20.34	21.5	3	
15	64QAM	36	39	20.20	20.27	20.20			
15	64QAM	75	0	20.33	20.42	20.35	19.5	5	
15	256QAM	1	0	18.38	18.46	18.36			
15	256QAM	1	37	18.31	18.45	18.32	19.5	5	
15	256QAM	1	74	18.32	18.18	18.25			
15	256QAM	36	0	18.33	18.49	18.32	19.5	5	
15	256QAM	36	20	18.30	18.41	18.35			
15	256QAM	36	39	18.22	18.40	18.24	19.5	5	
15	256QAM	75	0	18.25	18.41	18.29			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.48	23.50	23.45	24.5	0	
10	QPSK	1	25	23.28	23.46	23.38			
10	QPSK	1	49	23.16	23.24	23.16	23.5	1	
10	QPSK	25	0	22.43	22.47	22.34			
10	QPSK	25	12	22.29	22.39	22.25	23.5	1	
10	QPSK	25	25	22.23	22.29	22.22			
10	QPSK	50	0	22.33	22.39	22.33	23.5	1	
10	16QAM	1	0	22.33	22.34	22.34			
10	16QAM	1	25	22.20	22.28	22.12	23.5	1	
10	16QAM	1	49	22.22	22.24	22.18			
10	16QAM	25	0	21.39	21.43	21.37	22.5	2	
10	16QAM	25	12	21.25	21.40	21.27			
10	16QAM	25	25	21.13	21.25	21.13	22.5	2	
10	16QAM	50	0	21.24	21.38	21.27			
10	64QAM	1	0	21.38	21.45	21.39	22.5	2	
10	64QAM	1	25	21.34	21.42	21.35			
10	64QAM	1	49	21.23	21.20	21.26	21.5	3	
10	64QAM	25	0	20.38	20.42	20.29			
10	64QAM	25	12	20.27	20.41	20.29	21.5	3	
10	64QAM	25	25	20.26	20.33	20.23			
10	64QAM	50	0	20.29	20.40	20.32	19.5	5	
10	256QAM	1	0	18.42	18.44	18.36			
10	256QAM	1	25	18.36	18.43	18.31	19.5	5	
10	256QAM	1	49	18.28	18.16	18.36			
10	256QAM	25	0	18.39	18.47	18.36	19.5	5	
10	256QAM	25	12	18.31	18.41	18.32			
10	256QAM	25	25	18.25	18.33	18.25	19.5	5	
10	256QAM	50	0	18.21	18.37	18.32			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.43	23.44	23.43	24.5	0	
5	QPSK	1	12	23.33	23.41	23.33			
5	QPSK	1	24	23.19	23.25	23.14	23.5	1	
5	QPSK	12	0	22.46	22.48	22.35			
5	QPSK	12	7	22.30	22.39	22.26	23.5	1	
5	QPSK	12	13	22.26	22.31	22.28			
5	QPSK	25	0	22.37	22.38	22.30	23.5	1	
5	16QAM	1	0	22.35	22.39	22.37			
5	16QAM	1	12	22.19	22.24	22.12	23.5	1	
5	16QAM	1	24	22.22	22.30	22.15			
5	16QAM	12	0	21.40	21.46	21.36	22.5	2	
5	16QAM	12	7	21.30	21.39	21.31			
5	16QAM	12	13	21.11	21.25	21.15	22.5	2	
5	16QAM	25	0	21.27	21.39	21.25			
5	64QAM	1	0	21.38	21.44	21.39	22.5	2	
5	64QAM	1	12	21.35	21.39	21.29			
5	64QAM	1	24	21.26	21.17	21.24	21.5	3	
5	64QAM	12	0	20.35	20.46	20.31			
5	64QAM	12	7	20.30	20.40	20.32	21.5	3	
5	64QAM	12	13	20.26	20.30	20.19			
5	64QAM	25	0	20.30	20.41	20.37	19.5	5	
5	256QAM	1	0	18.41	18.48	18.40			
5	256QAM	1	12	18.32	18.41	18.29	19.5	5	
5	256QAM	1	24	18.29	18.18	18.27			
5	256QAM	12	0	18.37	18.45	18.38	19.5	5	
5	256QAM	12	7	18.31	18.39	18.32			
5	256QAM	12	13	18.21	18.32	18.23	19.5	5	
5	256QAM	25	0	18.22	18.37	18.27			

Band 41 Ant2 Default			
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Band 4																
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch. / Freq	Power Mid Ch. / Freq	Power High Ch. / Freq	Turn-up time (sec)	MPR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	22.55	22.54	22.51	24	0								
20	QPSK	1	49	22.59	22.62	22.57										
20	QPSK	1	99	22.48	22.56	22.51										
20	QPSK	50	0	21.53	21.63	21.59										
20	QPSK	50	24	21.57	21.61	21.60	23	1								
20	QPSK	50	50	21.49	21.58	21.54										
20	QPSK	100	0	21.48	21.60	21.46										
20	16QAM	1	0	21.57	21.62	21.65										
20	16QAM	1	49	21.59	21.63	21.63	23	1								
20	16QAM	1	99	21.54	21.60	21.57										
20	16QAM	50	0	20.53	20.58	20.48										
20	16QAM	50	24	20.56	20.61	20.52										
20	16QAM	50	50	20.54	20.58	20.60	22	2								
20	16QAM	100	0	20.43	20.58	20.52										
20	64QAM	1	0	20.51	20.60	20.71										
20	64QAM	1	49	20.53	20.62	20.65										
20	64QAM	1	99	20.59	20.57	20.59	22	2								
20	64QAM	50	0	19.52	19.54	19.65										
20	64QAM	50	24	19.61	19.69	19.59										
20	64QAM	50	50	19.54	19.65	19.57										
20	256QAM	100	0	19.47	19.62	19.56	21	3								
20	256QAM	1	0	17.52	17.55	17.65										
20	256QAM	1	49	17.48	17.64	17.66										
20	256QAM	1	99	17.63	17.66	17.66										
20	256QAM	50	0	17.49	17.60	17.50	19	5								
20	256QAM	50	24	17.67	17.75	17.55										
20	256QAM	50	50	17.67	17.68	17.52										
20	256QAM	100	0	17.64	17.67	17.62										
Channel																
Frequency (MHz)																
18	QPSK	1	0	22.47	22.13	22.13	24	0								
18	QPSK	1	97	22.48	22.49	22.43										
18	QPSK	1	74	22.44	22.44	22.45										
18	QPSK	36	0	21.48	21.52	21.44										
18	QPSK	36	20	21.48	21.54	21.47	23	1								
18	QPSK	36	39	21.44	21.48	21.51										
18	QPSK	75	0	21.39	21.46	21.43										
18	16QAM	1	0	21.48	21.48	21.54										
18	16QAM	1	37	21.53	21.59	21.58	23	1								
18	16QAM	1	74	21.46	21.49	21.53										
18	16QAM	36	0	20.49	20.52	20.38										
18	16QAM	36	20	20.52	20.61	20.50										
18	16QAM	36	39	20.50	20.46	20.52	22	2								
18	16QAM	75	0	20.38	20.47	20.48										
18	64QAM	1	0	20.41	20.47	20.57										
18	64QAM	1	74	20.52	20.43	20.45										
18	64QAM	1	97	20.67	20.50	20.50	22	2								
18	64QAM	36	0	19.42	19.46	19.35										
18	64QAM	36	20	19.53	19.55	19.52										
18	64QAM	36	39	19.40	19.54	19.47										
18	64QAM	75	0	19.41	19.56	19.48	21	3								
18	256QAM	1	0	17.45	17.47	17.55										
18	256QAM	1	97	17.44	17.52	17.42										
18	256QAM	1	74	17.54	17.55	17.58										
18	256QAM	36	0	17.35	17.58	17.41	19	5								
18	256QAM	36	20	17.58	17.67	17.43										
18	256QAM	36	39	17.45	17.56	17.48										
18	256QAM	75	0	17.40	17.59	17.48										
Channel																
Frequency (MHz)																
10	QPSK	1	0	22.50	22.55	22.57	24	0								
10	QPSK	1	25	22.51	22.56	22.49										
10	QPSK	1	49	22.55	22.47	22.45										
10	QPSK	25	0	21.47	21.55	21.40										
10	QPSK	25	12	21.52	21.50	21.51	23	1								
10	QPSK	25	25	21.40	21.46	21.47										
10	QPSK	50	0	21.41	21.55	21.46										
10	16QAM	1	0	21.46	21.49	21.51										
10	16QAM	1	25	21.55	21.51	21.57	23	1								
10	16QAM	1	49	21.40	21.49	21.48										
10	16QAM	25	0	20.46	20.50	20.40										
10	16QAM	25	12	20.50	20.40	20.40										
10	16QAM	25	25	20.43	20.45	20.52	22	2								
10	16QAM	50	0	20.46	20.52	20.37										
10	64QAM	1	0	20.45	20.54	20.63										
10	64QAM	1	25	20.48	20.51	20.61										
10	64QAM	1	49	20.50	20.48	20.50	22	2								
10	64QAM	25	0	19.39	19.49	19.39										
10	64QAM	25	12	19.52	19.64	19.54										
10	64QAM	25	25	19.48	19.61	19.43										
10	64QAM	50	0	19.41	19.62	19.52	21	3								
10	256QAM	1	0	17.45	17.44	17.62										
10	256QAM	1	25	17.50	17.46	17.46										
10	256QAM	1	49	17.53	17.64	17.47										
10	256QAM	25	0	17.50	17.58	17.46	19	5								
10	256QAM	25	12	17.53	17.64	17.47										
10	256QAM	25	25	17.50	17.58	17.46										
10	256QAM	50	0	17.46	17.61	17.59										
Channel																
Frequency (MHz)																
5	QPSK	1	0	22.57	22.54	22.56	24	0								
5	QPSK	1	12	22.51	22.53	22.49										
5	QPSK	1	24	22.44	22.47	22.46										
5	QPSK	12	0	21.48	21.48	21.43										
5	QPSK	12	7	21.48	21.48	21.53	23	1								
5	QPSK	12	13	21.46	21.52	21.41										
5	QPSK	24	0	21.40	21.49	21.42										
5	16QAM	1	0	21.47	21.52	21.55										
5	16QAM	1	12	21.44	21.56	21.55	23	1								
5	16QAM	1	24	21.46	21.53	21.54										
5	16QAM	12	0	20.50	20.44	20.40										
5	16QAM	12	7	20.54	20.53	20.46										
5	16QAM	12	13	20.40	20.46	20.46	22	2								
5	16QAM	25	0	20.33	20.44	20.45										
5	16QAM	1	0	20.39	20.50	20.50	22	2								
5	16QAM	1	12	20.43	20.50	20.49										
5	16QAM	1	24	20.33	20.46	20.51										
5	16QAM	12	0	19.40	19.45	19.35										
5	16QAM	12	7	19.40	19.45	19.46	21	3								
5	16QAM	12	13	19.43	19.48	19.46										
5	16QAM	25	0	19.34	19.52	19.41										
5	256QAM	1	0	17.44	17.44	17.54										
5	256QAM	1	12	17.35	17.55	17.52	19	5								
5	256QAM	1	24	17.55	17.48	17.58										
5	256QAM	12	0	17.46	17.58	17.46										
5	256QAM	12	7	17.58	17.63	17.48										
5	256QAM	12	13	17.52	17.61	17.44	19	5								
5	256QAM	25	0	17.48	17.58	17.48										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	22.51	22.51	22.51			24	0						
1.4	QPSK	1	24	22.45	22.45	22.51										
1.4	QPSK	1	144	22.43	22.47	22.39										
1.4	QPSK	3	0	21.40	21.40	21.40										
1.4	QPSK	3	7	21.45	21.46	21.51	23	1								
1.4	QPSK	3	15	21.34	21.51	21.37										
1.4	16QAM	1	0	21.44	21.53	21.45										
1.4	16QAM	1	7	21.52	21.53	21.49										
1.4	16QAM	1	14	21.51	21.53	21.49	23	1								
1.4	16QAM	3	0	20.50	20.50	20.48										
1.4	16QAM	3	7	20.50	20.48	20.50										
1.4	16QAM	3	15	20.48	20.50	20.48										
1.4	16QAM	3	7	20.50	20.48	20.50	22	2								
1.4	16QAM	15	0	20.39	20.49	20.57										
1.4	16QAM	1	0	20.49	20.49	20.58	22	2								
1.4	16QAM	1	7	20.48	20.49	20.58										
1.4	16QAM	1	14	20.48	20.48	20.58										
1.4	16QAM	3	0	19.39	19.40	19.31										
1.4	16QAM	3	7	19.43	19.38	19.31	21	3								
1.4	16QAM	3	15	19.40	19.38	19.31										
1.4	16QAM	15	0	19.41	19.50	19.38										
1.4	256QAM	1	0	17.40	17.48	17.54										
1.4	256QAM	1	7	17.47	17.58	17.54	19	5								
1.4	256QAM	1	14	17.51	17.54	17.50										
1.4	256QAM	3	0	17.39	17.49	17.38										
1.4	256QAM	3	7	17.48	17.68	17.38										
1.4	256QAM	3	15	17.50	17.55	17.44	19	5								
1.4	256QAM	15	0	17.48	17.61	17.39										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	22.41	22.55	22.63			24	0						
1.4	QPSK	1	2	22.45	22.55	22.51										
1.4	QPSK	1	24	22.47	22.45	22.47										
1.4	QPSK	3	0	21.42	21.40	21.42										
1.4	QPSK	3	1	22.53	22.48	22.50	23	1								
1.4	QPSK	3	2	22.47	22.48	22.46										
1.4	QPSK	6	0	21.43	21.48	21.39										
1.4	16QAM	1	0	21.47	21.58	21.52										
1.4	16QAM	1	2	21.53	21.52	21.53	23	1								
1.4	16QAM	1	6	21.46	21.53	21.45										
1.4	16QAM	3	0	21.47	21.53	21.43										
1.4	16QAM	3	1	21.50	21.62	21.43										
1.4	16QAM	3	2	21.43	21.44	21.46	22	2								
1.4	16QAM	6	0	20.39	20.45	20.38										
1.4	16QAM	6	1	20.43	20.52	20.43										
1.4	16QAM	6	2	20.41	20.50	20.47										
1.4	16QAM	3	0	20.50	20.54	20.47	21	3								
1.4	16QAM	3	1	20.47	20.57	20.47										
1.4	16QAM	3	2	20.47	20.57	20.47										
1.4	16QAM	6	0	17.46	17.43	17.50										
1.4	16QAM	1	0	17.35	17.50	17.52	19	5								
1																

Band 38 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.78	22.86	22.80	24	0	
20	QPSK	1	49	22.69	22.82	22.78			
20	QPSK	1	99	22.66	22.67	22.62			
20	QPSK	50	0	21.76	21.82	21.70			
20	QPSK	50	24	21.73	21.77	21.64	23	1	
20	QPSK	50	50	21.63	21.73	21.63			
20	QPSK	100	0	21.69	21.73	21.63			
20	16QAM	1	0	21.66	21.80	21.75			
20	16QAM	1	49	21.78	21.82	21.72	23	1	
20	16QAM	1	99	21.65	21.70	21.66			
20	16QAM	50	0	20.71	20.83	20.75			
20	16QAM	50	24	20.70	20.79	20.72			
20	16QAM	50	50	20.74	20.83	20.69	22	2	
20	16QAM	100	0	20.79	20.93	20.89			
20	64QAM	1	0	20.61	20.66	20.68			
20	64QAM	1	49	20.62	20.67	20.63			
20	64QAM	1	99	20.66	20.74	20.65	22	2	
20	64QAM	50	0	19.81	19.95	19.80			
20	64QAM	50	24	19.82	19.89	19.75			
20	64QAM	50	50	19.66	19.77	19.71			
20	64QAM	100	0	19.85	19.90	19.82	21	3	
20	256QAM	1	0	17.62	17.72	17.67			
20	256QAM	1	49	17.70	17.79	17.68			
20	256QAM	1	99	17.76	17.86	17.74			
20	256QAM	50	0	17.82	17.95	17.89	19	5	
20	256QAM	50	24	17.81	17.86	17.74			
20	256QAM	50	50	17.68	17.75	17.61			
20	256QAM	100	0	17.86	17.91	17.88			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.76	22.85	22.82	24	0	
15	QPSK	1	37	22.61	22.79	22.83			
15	QPSK	1	74	22.65	22.64	22.61			
15	QPSK	36	0	21.78	21.82	21.68			
15	QPSK	36	20	21.70	21.77	21.65	23	1	
15	QPSK	36	39	21.67	21.71	21.66			
15	QPSK	75	0	21.66	21.75	21.66			
15	16QAM	1	0	21.68	21.79	21.81			
15	16QAM	1	37	21.80	21.80	21.69	23	1	
15	16QAM	1	74	21.61	21.67	21.64			
15	16QAM	36	0	20.71	20.86	20.80			
15	16QAM	36	20	20.67	20.81	20.69			
15	16QAM	36	39	20.79	20.90	20.66	22	2	
15	16QAM	75	0	20.86	20.99	20.93			
15	64QAM	1	0	20.68	20.71	20.69			
15	64QAM	1	37	20.66	20.71	20.64			
15	64QAM	1	74	20.68	20.76	20.61	22	2	
15	64QAM	36	0	19.85	19.94	19.81			
15	64QAM	36	20	19.80	19.88	19.78			
15	64QAM	36	39	19.71	19.75	19.77			
15	64QAM	75	0	19.89	19.94	19.82	21	3	
15	256QAM	1	0	17.68	17.69	17.66			
15	256QAM	1	37	17.70	17.84	17.74			
15	256QAM	1	74	17.80	17.86	17.74			
15	256QAM	36	0	17.86	17.96	17.89	19	5	
15	256QAM	36	20	17.87	17.91	17.69			
15	256QAM	36	39	17.69	17.72	17.63			
15	256QAM	75	0	17.92	17.92	17.94			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.71	22.78	22.76	24	0	
10	QPSK	1	25	22.65	22.77	22.73			
10	QPSK	1	49	22.63	22.67	22.64			
10	QPSK	25	0	21.76	21.78	21.72			
10	QPSK	25	12	21.66	21.80	21.61	23	1	
10	QPSK	25	25	21.65	21.78	21.68			
10	QPSK	50	0	21.71	21.73	21.63			
10	16QAM	1	0	21.66	21.75	21.74			
10	16QAM	1	25	21.76	21.83	21.70	23	1	
10	16QAM	1	49	21.62	21.67	21.64			
10	16QAM	25	0	20.72	20.83	20.70			
10	16QAM	25	12	20.64	20.75	20.68			
10	16QAM	25	25	20.71	20.77	20.62	22	2	
10	16QAM	50	0	20.77	20.89	20.86			
10	64QAM	1	0	20.62	20.65	20.61			
10	64QAM	1	25	20.67	20.66	20.62			
10	64QAM	1	49	20.65	20.79	20.66	22	2	
10	64QAM	25	0	19.78	19.97	19.75			
10	64QAM	25	12	19.76	19.87	19.72			
10	64QAM	25	25	19.66	19.80	19.66			
10	64QAM	50	0	19.87	19.89	19.75	21	3	
10	256QAM	1	0	17.63	17.72	17.65			
10	256QAM	1	25	17.72	17.76	17.71			
10	256QAM	1	49	17.77	17.89	17.73			
10	256QAM	25	0	17.84	17.92	17.94	19	5	
10	256QAM	25	12	17.82	17.90	17.69			
10	256QAM	25	25	17.62	17.69	17.61			
10	256QAM	50	0	17.80	17.89	17.83			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.68	22.76	22.70	24	0	
5	QPSK	1	12	22.63	22.82	22.82			
5	QPSK	1	24	22.66	22.63	22.64			
5	QPSK	12	0	21.66	21.73	21.66			
5	QPSK	12	7	21.68	21.70	21.62	23	1	
5	QPSK	12	13	21.61	21.64	21.63			
5	QPSK	25	0	21.68	21.62	21.68			
5	16QAM	1	0	21.66	21.70	21.71			
5	16QAM	1	12	21.72	21.82	21.64	23	1	
5	16QAM	1	24	21.65	21.62	21.61			
5	16QAM	12	0	20.71	20.73	20.64			
5	16QAM	12	7	20.63	20.68	20.67			
5	16QAM	12	13	20.64	20.79	20.63	22	2	
5	16QAM	25	0	20.77	20.85	20.80			
5	64QAM	1	0	20.64	20.69	20.65			
5	64QAM	1	12	20.63	20.68	20.64			
5	64QAM	1	24	20.65	20.68	20.67	22	2	
5	64QAM	12	0	19.73	19.92	19.74			
5	64QAM	12	7	19.72	19.79	19.67			
5	64QAM	12	13	19.68	19.73	19.70			
5	64QAM	25	0	19.75	19.83	19.81	21	3	
5	256QAM	1	0	17.71	17.65	17.62			
5	256QAM	1	12	17.69	17.73	17.64			
5	256QAM	1	24	17.66	17.82	17.67			
5	256QAM	12	0	17.72	17.90	17.78	19	5	
5	256QAM	12	7	17.82	17.79	17.64			
5	256QAM	12	13	17.68	17.67	17.62			
5	256QAM	25	0	17.77	17.86	17.79			

Band 41 Ant5 Default											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	22.46	22.58	22.79	22.54	22.67	24	0	
20	QPSK	1	49	22.51	22.63	22.71	22.67	22.58			
20	QPSK	1	99	22.42	22.54	22.63	22.52	22.54			
20	QPSK	50	0	21.56	21.61	21.69	21.57	21.61	23	1	
20	QPSK	50	24	21.48	21.56	21.67	21.64	21.56			
20	QPSK	50	50	21.48	21.56	21.60	21.56	21.54			
20	QPSK	100	0	21.46	21.59	21.63	21.56	21.61	23	1	
20	16QAM	1	0	21.48	21.58	21.65	21.52	21.61			
20	16QAM	1	49	21.49	21.54	21.52	21.59	21.65			
20	16QAM	1	99	21.41	21.59	21.63	21.56	21.60	22	2	
20	16QAM	50	0	20.51	20.67	20.74	20.67	20.61			
20	16QAM	50	24	20.49	20.59	20.66	20.57	20.60			
20	16QAM	50	50	20.41	20.56	20.61	20.55	20.58	22	2	
20	16QAM	100	0	20.57	20.59	20.73	20.61	20.60			
20	64QAM	1	0	20.48	20.52	20.58	20.51	20.55			
20	64QAM	1	49	20.44	20.62	20.61	20.54	20.54	22	2	
20	64QAM	1	99	20.48	20.54	20.67	20.63	20.52			
20	64QAM	50	0	19.62	19.63	19.76	19.71	19.67			
20	64QAM	50	24	19.45	19.56	19.64	19.51	19.60	21	3	
20	64QAM	50	50	19.40	19.51	19.59	19.55	19.52			
20	64QAM	100	0	19.46	19.56	19.61	19.57	19.50			
20	256QAM	1	0	17.47	17.56	17.64	17.61	17.53	19	5	
20	256QAM	1	49	17.49	17.56	17.53	17.57	17.59			
20	256QAM	1	99	17.45	17.64	17.69	17.56	17.63			
20	256QAM	50	0	17.57	17.72	17.77	17.68	17.62	19	5	
20	256QAM	50	24	17.43	17.62	17.62	17.54	17.55			
20	256QAM	50	50	17.50	17.58	17.68	17.55	17.53			
20	256QAM	100	0	17.53	17.62	17.74	17.71	17.61			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	22.45	22.52	22.70	22.62	22.61	24.00	0	
15	QPSK	1	37	22.57	22.58	22.63	22.63	22.50			
15	QPSK	1	74	22.47	22.57	22.66	22.55	22.58			
15	QPSK	36	0	21.52	21.66	21.73	21.59	21.64	23	1	
15	QPSK	36	20	21.47	21.62	21.71	21.69	21.58			
15	QPSK	36	39	21.44	21.58	21.64	21.61	21.59			
15	QPSK	75	0	21.45	21.65	21.68	21.59	21.66	23	1	
15	16QAM	1	0	21.44	21.61	21.68	21.56	21.63			
15	16QAM	1	37	21.47	21.58	21.55	21.64	21.71			
15	16QAM	1	74	21.47	21.65	21.66	21.60	21.56	22	2	
15	16QAM	36	0	20.57	20.70	20.78	20.73	20.66			
15	16QAM	36	20	20.44	20.62	20.71	20.61	20.65			
15	16QAM	36	39	20.42	20.59	20.63	20.60	20.63	22	2	
15	16QAM	75	0	20.60	20.64	20.78	20.66	20.65			
15	64QAM	1	0	20.47	20.55	20.61	20.55	20.60			
15	64QAM	1	37	20.47	20.65	20.64	20.60	20.59	22	2	
15	64QAM	1	74	20.49	20.58	20.70	20.66	20.58			
15	64QAM	36	0	19.63	19.66	19.81	19.76	19.73			
15	64QAM	36	20	19.46	19.62	19.70	19.55	19.64	21	3	
15	64QAM	36	39	19.41	19.55	19.61	19.61	19.54			
15	64QAM	75	0	19.46	19.60	19.65	19.60	19.56			
15	256QAM	1	0	17.49	17.62	17.67	17.67	17.56	19	5	
15	256QAM	1	37	17.41	17.62	17.58	17.59	17.64			
15	256QAM	1	74	17.48	17.70	17.74	17.69	17.68			
15	256QAM	36	0	17.55	17.78	17.83	17.74	17.67	19	5	
15	256QAM	36	20	17.41	17.67	17.66	17.57	17.59			
15	256QAM	36	39	17.51	17.62	17.71	17.58	17.58			
15	256QAM	75	0	17.49	17.66	17.80	17.76	17.66			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	22.49	22.51	22.67	22.59	22.61	24.00	0	
10	QPSK	1	25	22.57	22.56	22.63	22.61	22.53			
10	QPSK	1	49	22.43	22.60	22.66	22.54	22.57			
10	QPSK	25	0	21.57	21.66	21.74	21.61	21.65	23	1	
10	QPSK	25	12	21.44	21.59	21.72	21.67	21.61			
10	QPSK	25	25	21.44	21.61	21.64	21.61	21.58			
10	QPSK	50	0	21.48	21.63	21.68	21.61	21.63	23	1	
10	16QAM	1	0	21.51	21.61	21.69	21.57	21.64			
10	16QAM	1	25	21.47	21.59	21.54	21.63	21.69			
10	16QAM	1	49	21.41	21.64	21.68	21.62	21.54	22	2	
10	16QAM	25	0	20.51	20.72	20.79	20.72	20.67			
10	16QAM	25	12	20.47	20.61	20.68	20.60	20.65			
10	16QAM	25	25	20.47	20.61	20.65	20.58	20.61	22	2	
10	16QAM	50	0	20.56	20.64	20.78	20.64	20.63			
10	64QAM	1	0	20.42	20.56	20.61	20.56	20.58			
10	64QAM	1	25	20.49	20.65	20.63	20.58	20.60	21	3	
10	64QAM	1	49	20.54	20.58	20.70	20.66	20.55			
10	64QAM	25	0	19.61	19.69	19.79	19.76	19.69			
10	64QAM	25	12	19.43	19.58	19.70	19.54	19.64	19	5	
10	64QAM	25	25	19.49	19.53	19.62	19.58	19.55			
10	64QAM	50	0	19.44	19.61	19.66	19.61	19.52			
10	256QAM	1	0	17.45	17.58	17.66	17.65	17.58	19	5	
10	256QAM	1	25	17.48	17.59	17.57	17.60	17.64			
10	256QAM	1	49	17.46	17.68	17.72	17.61	17.67			
10	256QAM	25	0	17.56	17.77	17.80	17.74	17.68	19	5	
10	256QAM	25	12	17.41	17.68	17.66	17.58	17.57			
10	256QAM	25	25	17.57	17.63	17.74	17.60	17.57			
10	256QAM	50	0	17.48	17.65	17.77	17.75	17.65			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	22.44	22.52	22.69	22.58	22.61	24.00	0	
5	QPSK	1	12	22.49	22.57	22.63	22.59	22.53			
5	QPSK	1	24	22.44	22.57	22.69	22.58	22.57			
5	QPSK	12	0	21.54	21.63	21.73	21.62	21.65	23	1	
5	QPSK	12	7	21.55	21.62	21.70	21.68	21.62			
5	QPSK	12	13	21.47	21.60	21.63	21.59	21.60			
5	QPSK	25	0	21.48	21.63	21.66	21.61	21.66	23	1	
5	16QAM	1	0	21.50	21.64	21.69	21.57	21.66			
5	16QAM	1	12	21.46	21.59	21.56	21.64	21.69			
5	16QAM	1	24	21.49	21.64	21.67	21.60	21.54	22	2	
5	16QAM	12	0	20.49	20.72	20.76	20.72	20.64			
5	16QAM	12	7	20.42	20.61	20.71	20.62	20.64			
5	16QAM	12	13	20.42	20.61	20.65	20.64	20.62	22	2	
5	16QAM	25	0	20.57	20.64	20.72	20.64	20.65			
5	64QAM	1	0	20.43	20.57	20.62	20.55	20.58			
5	64QAM	1	12	20.41	20.67	20.66	20.58	20.58	22	2	
5	64QAM	1	24	20.50	20.57	20.73	20.66	20.55			
5	64QAM	12	0	19.68	19.68	19.80	19.76	19.71			
5	64QAM	12	7	19.43	19.59	19.66	19.54	19.64	21	3	
5	64QAM	12	13	19.41	19.54	19.64	19.58	19.57			
5	64QAM	25	0	19.43	19.58	19.67	19.60	19.56			
5	256QAM	1	0	17.47	17.61	17.68	17.64	17.59	19	5	
5	256QAM	1	12	17.41	17.60	17.58	17.61	17.62			
5	256QAM	1	24	17.49	17.66	17.72	17.61	17.69			
5	256QAM	12	0	17.56	17.74	17.81	17.71	17.66	19	5	
5	256QAM	12	7	17.49	17.66	17.68	17.60	17.58			
5	256QAM	12	13	17.50	17.61	17.70	17.59	17.59			
5	256QAM	25	0	17.54	17.56	17.67	17.64	17.53			

Reduced Power Mode for DSI 0 ENDC_Main PA

Band 5 Ant1 DSI0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Emax	Power Middle Ch. / Emax	Power High Ch. / Emax	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	22.15	22.42	22.17	23.5	0		
10	QPSK	1	25	22.09	22.12	21.96				
10	QPSK	1	49	22.06	22.06	22.02				
10	QPSK	25	0	21.97	22.37	21.97	23.5	0		
10	QPSK	25	12	21.93	22.01	21.87				
10	QPSK	25	25	22.00	21.95	21.93				
10	QPSK	50	0	21.96	22.36	22.00	23.5	0		
10	16QAM	1	0	21.92	22.06	21.91				
10	16QAM	1	25	21.95	22.04	21.96				
10	16QAM	1	49	21.98	22.26	22.08	23.5	0		
10	16QAM	25	0	21.95	22.07	21.90				
10	16QAM	25	12	21.90	21.96	22.02				
10	16QAM	25	25	22.10	22.24	21.99	23.5	0		
10	16QAM	50	0	21.98	22.08	21.94				
10	64QAM	1	0	22.17	22.21	22.11				
10	64QAM	1	25	21.88	21.98	21.89	23.5	0		
10	64QAM	1	49	21.88	21.98	21.89				
10	64QAM	25	0	20.98	21.21	21.22				
10	64QAM	25	12	21.10	21.14	20.96	22.5	1		
10	64QAM	25	25	21.05	21.07	20.84				
10	64QAM	50	0	21.01	21.18	21.08				
10	256QAM	1	0	19.02	19.01	19.07	20.5	3		
10	256QAM	1	25	18.93	19.17	18.92				
10	256QAM	1	49	18.87	18.97	18.85				
10	256QAM	25	0	19.09	19.22	19.05	20.5	3		
10	256QAM	25	12	19.05	19.16	18.83				
10	256QAM	25	25	18.85	19.01	18.90				
10	256QAM	50	0	18.75	19.03	18.83	Tune-up limit (dBm)	MPR (dB)		
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	21.96	22.25	22.02		23.5	0	
5	QPSK	1	12	22.01	22.00	21.76				
5	QPSK	1	24	21.91	22.00	22.03				
5	QPSK	12	0	21.85	22.17	21.81	23.5	0		
5	QPSK	12	7	21.85	21.97	21.87				
5	QPSK	12	13	21.82	21.92	21.81				
5	QPSK	25	0	22.09	22.12	21.96	23.5	0		
5	16QAM	1	0	22.06	22.06	22.02				
5	16QAM	1	12	21.97	22.37	21.97				
5	16QAM	1	24	21.89	22.25	22.05	23.5	0		
5	16QAM	12	0	21.74	21.88	21.82				
5	16QAM	12	7	21.78	21.78	21.98				
5	16QAM	12	13	21.97	22.03	21.92	23.5	0		
5	16QAM	25	0	21.92	22.01	21.81				
5	64QAM	1	0	22.05	22.00	22.09				
5	64QAM	1	12	21.78	22.00	21.74	23.5	0		
5	64QAM	1	24	21.75	21.95	21.85				
5	64QAM	12	0	20.99	21.04	21.05				
5	64QAM	12	7	20.97	21.10	20.92	22.5	1		
5	64QAM	12	13	21.00	21.02	20.64				
5	64QAM	25	0	20.90	21.03	20.87				
5	256QAM	1	0	18.90	18.97	18.90	20.5	3		
5	256QAM	1	12	18.86	19.17	18.82				
5	256QAM	1	24	18.69	18.90	18.70				
5	256QAM	12	0	19.10	19.04	19.02	20.5	3		
5	256QAM	12	7	19.06	19.07	18.65				
5	256QAM	12	13	18.85	18.83	18.79				
5	256QAM	25	0	18.57	19.00	18.81	Tune-up limit (dBm)	MPR (dB)		
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	22.17	22.30	22.12		23.5	0	
3	QPSK	1	8	22.08	21.95	21.83				
3	QPSK	1	14	21.94	21.87	21.84				
3	QPSK	8	0	22.09	22.12	21.96	23.5	0		
3	QPSK	8	4	22.06	22.06	22.02				
3	QPSK	8	7	21.97	22.37	21.97				
3	QPSK	15	0	21.80	22.28	21.82	23.5	0		
3	16QAM	1	0	21.76	21.92	21.77				
3	16QAM	1	8	21.93	21.91	21.92				
3	16QAM	1	14	21.92	22.13	21.85	23.5	0		
3	16QAM	8	0	21.90	21.87	21.74				
3	16QAM	8	4	21.80	21.79	22.02				
3	16QAM	8	7	22.11	22.14	21.90	23.5	0		
3	16QAM	15	0	21.88	22.03	21.95				
3	64QAM	1	0	22.09	22.12	21.96				
3	64QAM	1	8	22.06	22.06	22.02	23.5	0		
3	64QAM	1	14	21.97	22.37	21.97				
3	64QAM	8	0	20.79	21.02	21.10				
3	64QAM	8	4	21.03	20.93	20.89	22.5	1		
3	64QAM	8	7	21.05	20.88	20.84				
3	64QAM	15	0	20.99	21.17	20.98				
3	256QAM	1	0	19.05	19.16	18.83	20.5	3		
3	256QAM	1	8	18.85	19.01	18.90				
3	256QAM	1	14	18.75	19.03	18.83				
3	256QAM	8	0	19.01	19.17	18.92	20.5	3		
3	256QAM	8	4	19.07	18.98	18.70				
3	256QAM	8	7	18.79	18.91	18.78				
3	256QAM	15	0	18.75	18.98	18.71	Tune-up limit (dBm)	MPR (dB)		
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	22.09	22.12	21.96		23.5	0	
1.4	QPSK	1	3	22.06	22.06	22.02				
1.4	QPSK	1	5	21.97	22.37	21.97				
1.4	QPSK	3	0	22.09	22.12	21.96	23.5	0		
1.4	QPSK	3	1	22.06	22.06	22.02				
1.4	QPSK	3	3	21.97	22.37	21.97				
1.4	QPSK	6	0	21.76	22.22	21.83	23.5	0		
1.4	16QAM	1	0	21.88	22.02	21.79				
1.4	16QAM	1	3	21.86	22.03	21.90				
1.4	16QAM	1	5	21.80	22.12	21.89	23.5	0		
1.4	16QAM	3	0	21.84	22.00	21.81				
1.4	16QAM	3	1	21.88	21.94	21.96				
1.4	16QAM	3	3	21.95	22.16	21.85	23.5	0		
1.4	16QAM	6	0	21.80	21.86	21.78				
1.4	64QAM	1	0	22.08	22.17	22.11				
1.4	64QAM	1	3	21.73	21.82	21.74	23.5	0		
1.4	64QAM	1	5	21.85	21.98	21.78				
1.4	64QAM	3	0	21.95	22.04	21.95				
1.4	64QAM	3	1	21.72	21.73	21.64	22.5	1		
1.4	64QAM	3	3	21.75	21.90	21.68				
1.4	64QAM	6	0	20.88	21.10	21.06				
1.4	256QAM	1	0	18.85	18.93	19.01	20.5	3		
1.4	256QAM	1	3	18.80	19.05	18.78				
1.4	256QAM	1	5	18.74	18.86	18.85				
1.4	256QAM	3	0	19.07	19.07	19.01	20.5	3		
1.4	256QAM	3	1	19.01	18.96	18.64				
1.4	256QAM	3	3	18.77	18.98	18.69				
1.4	256QAM	6	0	18.71	18.95	18.84	20.5	3		

Band 7 Ant1 DSI0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Emax	Power Middle Ch. / Emax	Power High Ch. / Emax	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.41	17.58	17.47	19	0	
20	QPSK	1	49	17.44	17.42	17.46			
20	QPSK	1	99	17.37	17.36	17.32			
20	QPSK	50	0	17.20	17.57	17.33	19	0	
20	QPSK	50	24	17.44	17.31	17.45			
20	QPSK	50	50	17.38	17.30	17.13			
20	QPSK	100	0	17.30	17.55	17.35	19	0	
20	16QAM	1	0	17.37	17.27	17.39			
20	16QAM	1	49	17.20	17.35	17.27			
20	16QAM	1	99	17.40	17.44	17.36	19	0	
20	16QAM	50	0	17.42	17.32	17.45			
20	16QAM	50	24	17.32	17.27	17.13			
20	16QAM	50	50	17.24	17.58	17.48	19	0	
20	16QAM	100	0	17.42	17.27	17.32			
20	64QAM	1	0	17.22	17.29	17.20			
20	64QAM	1	49	17.27	17.39	17.31	19	0	
20	64QAM	1	99	17.36	17.26	17.42			
20	64QAM	50	0	17.28	17.35	17.14			
20	64QAM	50	24	17.20	17.54	17.26	19	0	
20	64QAM	50	50	17.44	17.34	17.48			
20	64QAM	100	0	17.33	17.21	17.33			
20	256QAM	1	0	17.23	17.46	17.44	19	0	
20	256QAM	1	49	17.28	17.33	17.34			
20	256QAM	1	99	17.20	17.15	17.11			
20	256QAM	50	0	17.24	17.56	17.34	19	0	
20	256QAM	50	24	17.23	17.51	17.41			
20	256QAM	50	50	17.36	17.39	17.33			
20	256QAM	100	0	17.20	17.26	17.25			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	17.19	17.38	17.28	19	0	
15	QPSK	1	37	17.33	17.30	17.47			
15	QPSK	1	74	17.17	17.17	17.24			
15	QPSK	36	0	17.00	17.37	17.27	19	0	
15	QPSK	36	20	17.39	17.11	17.37			
15	QPSK	36	39	17.28	17.21	17.07			
15	QPSK	75	0	17.26	17.42	17.17	19	0	
15	16QAM	1	0	17.25	17.06	17.34			
15	16QAM	1	37	17.02	17.37	17.14			
15	16QAM	1	74	17.27	17.26	17.20	19	0	
15	16QAM	36	0	17.21	17.21	17.25			
15	16QAM	36	20	17.20	17.28	17.15			
15	16QAM	36	39	17.26	17.40	17.30	19	0	
15	16QAM	75	0	17.22	17.20	17.13			
15	64QAM	1	0	17.12	17.31	17.10			
15	64QAM	1	37	17.23	17.24	17.23	19	0	
15	64QAM	1	74	17.30	17.15	17.22			
15	64QAM	36	0	17.09	17.19	17.30			
15	64QAM	36	20	17.11	17.41	17.11	19	0	
15	64QAM	36	39	17.46	17.32	17.43			
15	64QAM	75	0	17.18	17.04	17.18			
15	256QAM	1	0	17.23	17.46	17.36	19	0	
15	256QAM	1	37	17.20	17.34	17.17			
15	256QAM	1	74	17.16	17.25	17.13			
15	256QAM	36	0	17.10	17.47	17.33	19	0	
15	256QAM	36	20	17.17	17.38	17.24			
15	256QAM	36	39	17.18	17.41	17.22			
15	256QAM	75	0	17.05	17.11	17.08			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	17.37	17.55	17.46	19	0	
10	QPSK	1	25	17.26	17.39	17.32			
10	QPSK	1	49	17.38	17.38	17.26			
10	QPSK	25	0	17.15	17.42	17.30	19	0	
10	QPSK	25	12	17.33	17.14	17.33			
10	QPSK	25	25	17.26	17.10	17.02			
10	QPSK	50	0	17.21	17.52	17.33	19	0	
10	16QAM	1	0	17.18	17.29	17.18			
10	16QAM	1	25	17.20	17.32	17.12			
10	16QAM	1	49	17.37	17.26	17.25	19	0	
10	16QAM	25	0	17.22	17.25	17.29			
10	16QAM	25	12	17.12	17.19	17.06			
10	16QAM	25	25	17.19	17.16	17.39	19	0	
10	16QAM	50	0	17.22	17.19	17.32			
10	64QAM	1	0	17.14	17.12	17.15			
10	64QAM	1	25	17.07	17.32	17.30	19	0	
10	64QAM	1	49	17.34	17.05	17.35			
10	64QAM	25	0	17.12	17.21	17.09			
10	64QAM	25	12	17.08	17.47	17.08	19	0	
10	64QAM	25	25	17.42	17.28	17.39			
10	64QAM	50	0	17.25	17.09	17.23			
10	256QAM	1	0	17.21	17.27	17.27	19	0	
10	256QAM	1	25	17.23	17.16	17.32			
10	256QAM	1	49	17.11	17.00	17.29			
10	256QAM	25	0	17.04	17.37	17.30	19	0	
10	256QAM	25	12	17.24	17.46	17.37			
10	256QAM	25	25	17.21	17.20	17.13			
10	256QAM	50	0	17.03	17.13	17.19			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	17.32	17.18	17.26	19	0	
5	QPSK	1	12	17.35	17.42	17.47			
5	QPSK	1	24	17.16	17.23	17.24			
5	QPSK	12	0	17.06	17.32	17.19	19	0	
5	QPSK	12	7	17.37	17.09	17.44			
5	QPSK	12	13	17.32	17.28	17.04			
5	QPSK	25	0	17.26	17.46	17.15	19	0	
5	16QAM	1	0	17.36	17.28	17.17			
5	16QAM	1	12	17.16	17.25	17.21			
5	16QAM	1	24	17.28	17.42	17.27	19	0	
5	16QAM	12	0	17.30	17.25	17.45			
5	16QAM	12	7	17.10	17.24	17.12			
5	16QAM	12	13	17.18	17.36	17.36	19	0	
5	16QAM	25	0	17.29	17.07	17.19			
5	64QAM	1	0	17.23	17.18	17.17			
5	64QAM	1	12	17.29	17.17	17.10	19	0	
5	64QAM	1	24	17.36	17.08	17.41			
5	64QAM	12	0	17.11	17.16	17.05			
5	64QAM	12	7	17.12	17.28	17.23	19	0	
5	64QAM	12	13	17.25	17.35	17.26			
5	64QAM	25	0	17.29	17.11	17.27			
5	256QAM	1	0	17.23	17.46	17.22	19	0	
5	256QAM	1	12	17.16	17.27	17.19			
5	256QAM	1	24	17.16	17.00	17.28			
5	256QAM	12	0	17.09	17.38	17.20	19	0	
5	256QAM	12	7	17.04	17.32	17.27			
5	256QAM	12	13	17.19	17.21	17.19			
5	256QAM	25	0	17.00	17.19	17.08			

Band 38 Ant1 DSI0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150	22	0		
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.91	20.99	20.69	22	0		
20	QPSK	1	49	20.85	20.87	20.76				
20	QPSK	1	99	20.80	20.79	20.82				
20	QPSK	50	0	20.73	20.92	20.57	22	0		
20	QPSK	50	24	20.77	20.83	20.65				
20	QPSK	50	50	20.59	20.70	20.69				
20	QPSK	100	0	20.80	20.90	20.69	22	0		
20	16QAM	1	0	20.83	20.88	20.61				
20	16QAM	1	49	20.74	20.70	20.72				
20	16QAM	1	99	20.91	20.74	20.49	22	0		
20	16QAM	50	0	20.86	20.88	20.69				
20	16QAM	50	24	20.80	20.67	20.64				
20	16QAM	50	50	20.74	20.88	20.62	22	0		
20	16QAM	100	0	20.84	20.84	20.68				
20	64QAM	1	0	20.91	20.90	20.49				
20	64QAM	1	49	20.78	20.69	20.61	22	0		
20	64QAM	1	99	20.71	20.75	20.81				
20	64QAM	50	0	19.83	19.68	19.80				
20	64QAM	50	24	19.60	19.71	19.71	21	1		
20	64QAM	50	50	19.58	19.68	19.69				
20	64QAM	100	0	19.63	19.75	19.78				
20	256QAM	1	0	17.70	17.85	17.66	19	3		
20	256QAM	1	49	17.64	17.73	17.82				
20	256QAM	1	99	17.64	17.66	17.69				
20	256QAM	50	0	17.80	17.89	17.67	19	3		
20	256QAM	50	24	17.73	17.83	17.75				
20	256QAM	50	50	17.63	17.71	17.66				
20	256QAM	100	0	17.68	17.72	17.69				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	20.76	20.81	20.68	22	0		
15	QPSK	1	37	20.71	20.75	20.65				
15	QPSK	1	74	20.70	20.65	20.69				
15	QPSK	36	0	20.72	20.54	20.37	22	0		
15	QPSK	36	20	20.64	20.84	20.44				
15	QPSK	36	39	20.48	20.53	20.66				
15	QPSK	75	0	20.68	20.78	20.58	22	0		
15	16QAM	1	0	20.67	20.71	20.61				
15	16QAM	1	37	20.53	20.63	20.69				
15	16QAM	1	74	20.81	20.59	20.42	22	0		
15	16QAM	36	0	20.70	20.71	20.64				
15	16QAM	36	20	20.78	20.63	20.58				
15	16QAM	36	39	20.59	20.72	20.47	22	0		
15	16QAM	75	0	20.85	20.65	20.67				
15	64QAM	1	0	20.72	20.71	20.41				
15	64QAM	1	37	20.74	20.70	20.47	22	0		
15	64QAM	1	74	20.71	20.77	20.69				
15	64QAM	36	0	19.79	19.55	19.60				
15	64QAM	36	20	19.43	19.59	19.63	21	1		
15	64QAM	36	39	19.42	19.65	19.62				
15	64QAM	75	0	19.55	19.69	19.60				
15	256QAM	1	0	17.51	17.77	17.63	19	3		
15	256QAM	1	37	17.52	17.67	17.84				
15	256QAM	1	74	17.51	17.48	17.60				
15	256QAM	36	0	17.76	17.87	17.68	19	3		
15	256QAM	36	20	17.75	17.73	17.65				
15	256QAM	36	39	17.65	17.64	17.46				
15	256QAM	75	0	17.53	17.67	17.70				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	20.70	20.82	20.47	22	0		
10	QPSK	1	25	20.71	20.83	20.74				
10	QPSK	1	49	20.61	20.68	20.79				
10	QPSK	25	0	20.90	20.63	20.52	22	0		
10	QPSK	25	12	20.79	20.65	20.61				
10	QPSK	25	25	20.56	20.63	20.58				
10	QPSK	50	0	20.71	20.80	20.69	22	0		
10	16QAM	1	0	20.83	20.85	20.58				
10	16QAM	1	25	20.61	20.69	20.66				
10	16QAM	1	49	20.78	20.70	20.40	22	0		
10	16QAM	25	0	20.70	20.89	20.70				
10	16QAM	25	12	20.63	20.66	20.56				
10	16QAM	25	25	20.57	20.86	20.45	22	0		
10	16QAM	50	0	20.71	20.75	20.69				
10	64QAM	1	0	20.90	20.85	20.44				
10	64QAM	1	25	20.56	20.48	20.62	22	0		
10	64QAM	1	49	20.62	20.63	20.74				
10	64QAM	25	0	19.73	19.61	19.69				
10	64QAM	25	12	19.56	19.55	19.67	21	1		
10	64QAM	25	25	19.59	19.49	19.55				
10	64QAM	50	0	19.49	19.69	19.71				
10	256QAM	1	0	17.53	17.83	17.62	19	3		
10	256QAM	1	25	17.54	17.69	17.62				
10	256QAM	1	49	17.47	17.47	17.54				
10	256QAM	25	0	17.63	17.74	17.49	19	3		
10	256QAM	25	12	17.70	17.77	17.54				
10	256QAM	25	25	17.62	17.53	17.66				
10	256QAM	50	0	17.50	17.60	17.63				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	20.72	20.81	20.52	22	0		
5	QPSK	1	12	20.64	20.68	20.61				
5	QPSK	1	24	20.68	20.63	20.63				
5	QPSK	12	0	20.78	20.65	20.52	22	0		
5	QPSK	12	7	20.65	20.79	20.57				
5	QPSK	12	13	20.54	20.55	20.49				
5	QPSK	25	0	20.75	20.79	20.66	22	0		
5	16QAM	1	0	20.68	20.84	20.53				
5	16QAM	1	12	20.54	20.49	20.52				
5	16QAM	1	24	20.86	20.70	20.46	22	0		
5	16QAM	12	0	20.81	20.86	20.49				
5	16QAM	12	7	20.60	20.51	20.54				
5	16QAM	12	13	20.74	20.90	20.57	22	0		
5	16QAM	25	0	20.74	20.63	20.64				
5	64QAM	1	0	20.90	20.86	20.42				
5	64QAM	1	12	20.71	20.54	20.63	22	0		
5	64QAM	1	24	20.52	20.77	20.76				
5	64QAM	12	0	19.65	19.62	19.58				
5	64QAM	12	7	19.50	19.55	19.50	21	1		
5	64QAM	12	13	19.38	19.50	19.47				
5	64QAM	25	0	19.55	19.72	19.75				
5	256QAM	1	0	17.54	17.80	17.62	19	3		
5	256QAM	1	12	17.58	17.63	17.65				
5	256QAM	1	24	17.63	17.56	17.56				
5	256QAM	12	0	17.71	17.89	17.57	19	3		
5	256QAM	12	7	17.70	17.83	17.73				
5	256QAM	12	13	17.48	17.53	17.63				
5	256QAM	25	0	17.69	17.57	17.60				

Band 41 Ant1 DSI0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.77	20.80	21.08	20.71	20.92	22	0
20	QPSK	1	49	20.79	20.68	20.85	20.74	20.68		
20	QPSK	1	99	20.75	20.78	20.77	20.62	20.88		
20	QPSK	50	0	20.65	20.65	20.98	20.61	20.86	22	0
20	QPSK	50	24	20.76	20.50	20.69	20.69	20.68		
20	QPSK	50	50	20.65	20.62	20.62	20.70	20.75		
20	QPSK	100	0	20.72	20.77	20.87	20.62	20.74	22	0
20	16QAM	1	0	20.74	20.82	20.93	20.66	20.92		
20	16QAM	1	49	20.80	20.48	20.78	20.59	20.55		
20	16QAM	1	99	20.62	20.66	20.75	20.68	20.68	22	0
20	16QAM	50	0	20.80	20.59	20.84	20.72	20.62		
20	16QAM	50	24	20.58	20.62	20.68	20.60	20.86		
20	16QAM	50	50	20.63	20.78	20.92	20.69	20.72	22	0
20	16QAM	100	0	20.68	20.65	20.72	20.67	20.57		
20	64QAM	1	0	20.79	20.72	20.83	20.68	20.88		
20	64QAM	1	49	20.76	20.70	20.69	20.53	20.54	22	0
20	64QAM	1	99	20.74	20.64	20.78	20.80	20.79		
20	64QAM	50	0	19.78	19.70	19.80	19.63	19.74		
20	64QAM	50	24	19.73	19.61	19.82	19.51	19.57	21	1
20	64QAM	50	50	19.55	19.69	19.53	19.52	19.59		
20	64QAM	100	0	19.65	19.64	19.54	19.53	19.54		
20	256QAM	1	0	17.55	17.63	17.74	17.69	17.63	19	3
20	256QAM	1	49	17.64	17.57	17.78	17.67	17.62		
20	256QAM	1	99	17.56	17.64	17.61	17.74	17.70		
20	256QAM	50	0	17.64	17.72	17.80	17.83	17.69	19	3
20	256QAM	50	24	17.52	17.76	17.83	17.75	17.68		
20	256QAM	50	50	17.68	17.66	17.57	17.73	17.52		
20	256QAM	100	0	17.53	17.68	17.63	17.49	17.62	tune-up limit (dBm)	MPR (dB)
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.63	20.65	20.85	20.68	20.82	22.0	0
15	PSK	1	37	20.69	20.50	20.84	20.65	20.68		
15	PSK	1	74	20.67	20.61	20.65	20.62	20.87		
15	QPSK	36	0	20.73	20.47	20.85	20.58	20.65	22	0
15	QPSK	36	20	20.67	20.75	20.70	20.62	20.77		
15	QPSK	36	39	20.46	20.58	20.95	20.45	20.88		
15	QPSK	75	0	20.50	20.77	20.89	20.55	20.53	22	0
15	16QAM	1	0	20.58	20.53	20.78	20.67	20.66		
15	16QAM	1	37	20.58	20.74	20.64	20.82	20.87		
15	16QAM	1	74	20.57	20.59	20.94	20.58	20.74	22	0
15	16QAM	36	0	20.69	20.52	20.67	20.59	20.45		
15	16QAM	36	20	20.58	20.55	20.53	20.52	20.71		
15	16QAM	36	39	20.61	20.59	20.84	20.55	20.73	22	0
15	16QAM	75	0	20.52	20.58	20.60	20.62	20.45		
15	64QAM	1	0	20.58	20.70	20.80	20.63	20.82		
15	64QAM	1	37	20.72	20.65	20.50	20.44	20.54	22	0
15	64QAM	1	74	20.64	20.50	20.71	20.78	20.61		
15	64QAM	36	0	19.58	19.67	19.62	19.42	19.61		
15	64QAM	36	20	19.59	19.39	19.64	19.35	19.56	21	1
15	64QAM	36	39	19.48	19.64	19.32	19.45	19.57		
15	64QAM	75	0	19.47	19.52	19.33	19.32	19.39		
15	256QAM	1	0	17.50	17.44	17.70	17.65	17.59	19	3
15	256QAM	1	37	17.58	17.52	17.71	17.61	17.60		
15	256QAM	1	74	17.47	17.54	17.56	17.63	17.51		
15	256QAM	36	0	17.59	17.70	17.81	17.66	17.70	19	3
15	256QAM	36	20	17.50	17.69	17.83	17.58	17.59		
15	256QAM	36	39	17.59	17.56	17.37	17.56	17.36		
15	256QAM	75	0	17.38	17.51	17.50	17.41	17.52		
Channel				39700	40160	40620	41080	41540	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.60	20.64	20.87	20.57	20.86	22.0	0
10	QPSK	1	25	20.62	20.68	20.82	20.52	20.88		
10	QPSK	1	49	20.69	20.69	20.76	20.79	20.86		
10	QPSK	25	0	20.73	20.61	20.77	20.56	20.66	22	0
10	QPSK	25	12	20.55	20.55	20.78	20.68	20.78		
10	QPSK	25	25	20.61	20.61	20.96	20.53	20.71		
10	QPSK	50	0	20.56	20.60	20.67	20.43	20.60	22	0
10	16QAM	1	0	20.59	20.66	20.81	20.64	20.84		
10	16QAM	1	25	20.76	20.48	20.70	20.43	20.57		
10	16QAM	1	49	20.58	20.49	20.54	20.54	20.46	22	0
10	16QAM	25	0	20.69	20.44	20.63	20.73	20.54		
10	16QAM	25	12	20.49	20.63	20.57	20.61	20.80		
10	16QAM	25	25	20.58	20.65	20.83	20.57	20.70	22	0
10	16QAM	50	0	20.62	20.67	20.55	20.56	20.52		
10	64QAM	1	0	20.81	20.52	20.78	20.63	20.71		
10	64QAM	1	25	20.58	20.59	20.65	20.38	20.52	21	1
10	64QAM	1	49	20.67	20.58	20.63	20.72	20.66		
10	64QAM	25	0	19.62	19.63	19.72	19.56	19.74		
10	64QAM	25	12	19.59	19.61	19.83	19.41	19.46	19	3
10	64QAM	25	25	19.45	19.68	19.53	19.46	19.52		
10	64QAM	50	0	19.53	19.44	19.43	19.48	19.56		
10	256QAM	1	0	17.51	17.48	17.72	17.54	17.57	19	3
10	256QAM	1	25	17.59	17.54	17.61	17.47	17.49		
10	256QAM	1	49	17.35	17.53	17.61	17.56	17.63		
10	256QAM	25	0	17.61	17.60	17.71	17.81	17.48	19	3
10	256QAM	25	12	17.31	17.64	17.67	17.54	17.59		
10	256QAM	25	25	17.64	17.61	17.57	17.53	17.39		
10	256QAM	50	0	17.54	17.47	17.50	17.34	17.59		
Channel				39675	40148	40620	41093	41565	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.72	20.64	20.88	20.72	20.87	22.0	0
5	QPSK	1	12	20.61	20.62	20.64	20.61	20.57		
5	QPSK	1	24	20.65	20.64	20.66	20.82	20.73		
5	QPSK	12	0	20.77	20.63	20.85	20.62	20.50	22	0
5	QPSK	12	7	20.61	20.64	20.70	20.80	20.70		
5	QPSK	12	13	20.63	20.66	20.77	20.45	20.87		
5	QPSK	25	0	20.61	20.55	20.75	20.58	20.57	22	0
5	16QAM	1	0	20.78	20.66	20.73	20.60	20.50		
5	16QAM	1	12	20.63	20.57	20.56	20.76	20.68		
5	16QAM	1	24	20.48	20.52	20.93	20.49	20.70	22	0
5	16QAM	12	0	20.78	20.42	20.76	20.66	20.46		
5	16QAM	12	7	20.44	20.53	20.66	20.49	20.74		
5	16QAM	12	13	20.51	20.79	20.70	20.67	20.71	22	0
5	16QAM	25	0	20.56	20.54	20.55	20.51	20.48		
5	64QAM	1	0	20.67	20.54	20.64	20.54	20.73		
5	64QAM	1	12	20.59	20.66	20.59	20.46	20.43	21	1
5	64QAM	1	24	20.54	20.63	20.60	20.67	20.65		
5	64QAM	12	0	19.61	19.62	19.75	19.60	19.60		
5	64QAM	12	7	19.54	19.40	19.80	19.45	19.41	19	3
5	64QAM	25	0	19.67	19.48	19.53	19.33	19.53		
5	256QAM	1	0	17.37	17.53	17.71	17.54	17.62		
5	256QAM	1	12	17.43	17.42	17.77	17.50	17.55	19	3
5	256QAM	1	24	17.35	17.44	17.61	17.72	17.59		
5	256QAM	12	0	17.51	17.52	17.79	17.73	17.51		
5	256QAM	12	7	17.41	17.65	17.82	17.73	17.60	19	3
5	256QAM	12	13	17.63	17.63	17.40	17.65	17.41		
5	256QAM	25	0	17.35	17.69	17.58	17.29	17.47		

Band 2 Ant2 DS10																
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. / Freq.	Power Mod. Ch. / Freq.	Power Pilot Ch. / Freq.	Tune-up time (min)	MPE (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	18.49	18.52	18.52	20	0								
20	QPSK	1	49	18.53	18.62	18.56										
20	QPSK	1	99	18.34	18.47	18.38										
20	QPSK	50	0	18.50	18.64	18.45										
20	QPSK	50	24	18.40	18.63	18.43	20	0								
20	QPSK	50	50	18.19	18.45	18.17										
20	QPSK	100	0	18.34	18.53	18.45										
20	16QAM	1	0	18.33	18.58	18.54										
20	16QAM	1	49	18.32	18.27	18.15	20	0								
20	16QAM	1	99	18.35	18.57	18.51										
20	16QAM	50	0	18.36	18.63	18.35										
20	16QAM	50	24	18.17	18.40	18.33										
20	16QAM	50	50	18.33	18.50	18.31	20	0								
20	16QAM	100	0	18.33	18.61	18.54										
20	64QAM	1	0	18.31	18.53	18.37										
20	64QAM	1	49	18.48	18.48	18.36										
20	64QAM	1	99	18.39	18.44	18.45	20	0								
20	64QAM	50	0	18.32	18.50	18.34										
20	64QAM	50	24	18.36	18.56	18.31										
20	64QAM	50	50	18.48	18.53	18.53										
20	64QAM	100	0	18.33	18.40	18.30	20	0								
20	256QAM	1	0	18.52	18.53	18.40										
20	256QAM	1	49	18.27	18.34	18.15										
20	256QAM	1	99	18.36	18.44	18.34										
20	256QAM	50	0	18.36	18.60	18.31	20	0								
20	256QAM	50	24	18.44	18.62	18.48										
20	256QAM	50	50	18.43	18.53	18.43										
20	256QAM	100	0	18.26	18.39	18.17										
Channel																
Frequency (MHz)																
15	QPSK	1	0	18.13	18.13	18.02	20	0								
15	QPSK	1	37	18.52	18.51	18.63										
15	QPSK	1	74	18.22	18.29	18.30										
15	QPSK	36	0	18.37	18.40	18.39										
15	QPSK	36	20	18.35	18.51	18.32	20	0								
15	QPSK	36	39	18.19	18.24	18.11										
15	QPSK	75	0	18.13	18.19	18.30										
15	16QAM	1	0	18.13	18.42	18.53										
15	16QAM	1	37	18.17	18.18	18.13	20	0								
15	16QAM	1	74	18.21	18.22	18.20										
15	16QAM	36	0	18.22	18.44	18.19										
15	16QAM	36	20	18.06	18.40	18.30										
15	16QAM	36	39	18.32	18.44	18.21	20	0								
15	16QAM	75	0	18.26	18.45	18.54										
15	64QAM	1	0	18.12	18.18	18.31										
15	64QAM	1	74	18.17	18.40	18.37										
15	64QAM	36	0	18.46	18.42	18.41	20	0								
15	64QAM	36	20	18.36	18.45	18.21										
15	64QAM	36	39	18.29	18.52	18.24										
15	64QAM	75	0	18.15	18.26	18.12										
15	256QAM	1	0	18.40	18.43	18.41	20	0								
15	256QAM	1	37	18.31	18.26	18.33										
15	256QAM	1	74	18.31	18.48	18.48										
15	256QAM	36	0	18.36	18.58	18.13										
15	256QAM	36	20	18.26	18.60	18.32	20	0								
15	256QAM	36	39	18.30	18.44	18.23										
15	256QAM	75	0	18.10	18.22	18.32										
Channel																
Frequency (MHz)																
10	QPSK	1	0	18.36	18.51	18.41	20	0								
10	QPSK	1	25	18.34	18.43	18.48										
10	QPSK	1	49	18.15	18.38	18.35										
10	QPSK	25	0	18.51	18.56	18.40										
10	QPSK	25	12	18.13	18.37	18.29	20	0								
10	QPSK	25	26	18.34	18.53	18.43										
10	QPSK	50	0	18.32	18.45	18.18										
10	16QAM	1	0	18.43	18.58	18.54										
10	16QAM	1	26	18.25	18.42	18.34	20	0								
10	16QAM	1	49	18.39	18.42	18.45										
10	16QAM	25	0	18.14	18.44	18.36										
10	16QAM	25	12	18.15	18.30	18.20										
10	16QAM	25	26	18.21	18.40	18.26	20	0								
10	16QAM	50	0	18.31	18.43	18.35										
10	64QAM	1	0	18.10	18.19	18.21										
10	64QAM	1	26	18.29	18.46	18.19										
10	64QAM	1	49	18.19	18.30	18.47	20	0								
10	64QAM	25	0	18.10	18.23	18.34										
10	64QAM	25	12	18.33	18.39	18.21										
10	64QAM	25	26	18.36	18.49	18.45										
10	256QAM	1	0	18.33	18.62	18.47	20	0								
10	256QAM	1	26	18.21	18.36	18.22										
10	256QAM	25	0	18.35	18.38	18.08										
10	256QAM	25	12	18.44	18.48	18.31										
10	256QAM	25	26	18.36	18.57	18.25	20	0								
10	256QAM	50	0	18.21	18.21	18.33										
Channel																
Frequency (MHz)																
5	QPSK	1	0	18.29	18.53	18.53	20	0								
5	QPSK	1	12	18.31	18.58	18.55										
5	QPSK	1	24	18.28	18.33	18.37										
5	QPSK	12	0	18.29	18.54	18.47										
5	QPSK	12	7	18.30	18.45	18.23	20	0								
5	QPSK	12	13	18.45	18.37	18.30										
5	QPSK	36	0	18.17	18.55	18.30										
5	16QAM	1	0	18.16	18.48	18.39										
5	16QAM	1	12	18.14	18.19	18.00	20	0								
5	16QAM	1	24	18.18	18.43	18.46										
5	16QAM	12	0	18.33	18.59	18.31										
5	16QAM	12	7	18.17	18.41	18.15										
5	16QAM	12	13	18.21	18.45	18.17	20	0								
5	16QAM	25	0	18.27	18.43	18.37										
5	64QAM	1	0	18.21	18.22	18.37										
5	64QAM	1	12	18.35	18.33	18.15										
5	64QAM	1	24	18.24	18.38	18.33	20	0								
5	64QAM	12	0	18.05	18.08	18.18										

Band 38 Ant2 DSI0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	19.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	18.29	18.43	18.37	19.5	0	
20	QPSK	1	49	18.27	18.24	18.17			
20	QPSK	1	99	18.30	18.31	18.15			
20	QPSK	50	0	18.08	18.25	18.20			
20	QPSK	50	24	18.21	18.15	18.16	19.5	0	
20	QPSK	50	50	18.19	18.22	18.02			
20	QPSK	100	0	18.19	18.30	18.24			
20	16QAM	1	0	18.23	18.21	18.15			
20	16QAM	1	49	18.15	18.18	18.16	19.5	0	
20	16QAM	1	99	18.16	18.27	18.37			
20	16QAM	50	0	18.15	18.18	18.10			
20	16QAM	50	24	18.08	18.16	17.98			
20	16QAM	50	50	18.27	18.32	18.23	19.5	0	
20	16QAM	100	0	18.24	18.21	18.06			
20	64QAM	1	0	18.28	18.28	18.09			
20	64QAM	1	49	18.18	18.21	18.17			
20	64QAM	1	99	18.13	18.21	18.12	19.5	0	
20	64QAM	50	0	18.11	18.28	18.10			
20	64QAM	50	24	18.08	18.32	18.33			
20	64QAM	50	50	18.21	18.08	18.08			
20	64QAM	100	0	18.12	18.28	18.00	19.5	0	
20	256QAM	1	0	18.31	18.39	18.33			
20	256QAM	1	49	18.21	18.04	18.12			
20	256QAM	1	99	18.28	18.21	17.98			
20	256QAM	50	0	18.13	18.42	18.25	19.5	0	
20	256QAM	50	24	18.25	18.34	18.26			
20	256QAM	50	50	18.21	18.18	18.13			
20	256QAM	100	0	18.14	18.23	17.99			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	19.5	0	
15	QPSK	1	0	18.14	18.36	18.32			
15	QPSK	1	37	18.29	18.25	18.12	19.5	0	
15	QPSK	1	74	18.15	18.14	18.16			
15	QPSK	36	0	18.04	18.09	18.26			
15	QPSK	36	20	18.23	18.16	18.16			
15	QPSK	36	39	18.19	18.06	17.94	19.5	0	
15	QPSK	75	0	18.10	18.27	18.35			
15	16QAM	1	0	18.15	18.20	18.16			
15	16QAM	1	37	18.13	18.00	18.11			
15	16QAM	1	74	18.02	18.23	18.22	19.5	0	
15	16QAM	36	0	18.05	18.05	18.12			
15	16QAM	36	20	18.08	18.14	17.80			
15	16QAM	36	39	18.26	18.15	18.11			
15	16QAM	75	0	18.15	18.18	18.01	19.5	0	
15	64QAM	1	0	18.14	18.28	17.94			
15	64QAM	1	37	18.04	18.07	18.11			
15	64QAM	1	74	18.03	18.11	17.96			
15	64QAM	36	0	17.94	18.08	18.08	19.5	0	
15	64QAM	36	20	17.94	18.15	18.21			
15	64QAM	36	39	18.17	17.94	17.94			
15	64QAM	75	0	18.09	18.25	17.97			
15	256QAM	1	0	18.10	18.28	18.33	19.5	0	
15	256QAM	1	37	18.15	18.03	17.95			
15	256QAM	1	74	18.28	18.10	17.95			
15	256QAM	36	0	17.97	18.32	18.11			
15	256QAM	36	20	18.08	18.25	18.23	19.5	0	
15	256QAM	36	39	17.99	18.17	18.15			
15	256QAM	75	0	18.06	18.23	17.91			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	19.5	0	
10	QPSK	1	0	18.29	18.30	18.29			
10	QPSK	1	25	18.05	18.20	17.95	19.5	0	
10	QPSK	1	49	18.28	18.13	18.05			
10	QPSK	25	0	17.86	18.05	18.14			
10	QPSK	25	12	18.16	18.12	18.14			
10	QPSK	25	25	18.09	18.22	17.86	19.5	0	
10	QPSK	50	0	18.03	18.31	18.27			
10	16QAM	1	0	18.09	18.17	18.13			
10	16QAM	1	25	17.95	18.04	17.96			
10	16QAM	1	49	18.12	18.22	18.23	19.5	0	
10	16QAM	25	0	17.95	18.04	18.01			
10	16QAM	25	12	17.96	18.12	17.88			
10	16QAM	25	25	18.22	18.17	18.12			
10	16QAM	50	0	18.21	18.07	17.91	19.5	0	
10	64QAM	1	0	18.17	18.18	18.07			
10	64QAM	1	25	18.14	18.18	18.17			
10	64QAM	1	49	17.97	18.04	18.01			
10	64QAM	25	0	18.04	18.11	18.02	19.5	0	
10	64QAM	25	12	18.07	18.27	18.31			
10	64QAM	25	25	18.02	17.89	17.97			
10	64QAM	50	0	17.91	18.27	18.01			
10	256QAM	1	0	18.12	18.27	18.19	19.5	0	
10	256QAM	1	25	18.21	17.94	18.06			
10	256QAM	1	49	18.14	18.19	17.81			
10	256QAM	25	0	18.13	18.40	18.08			
10	256QAM	25	12	18.20	18.17	18.20	19.5	0	
10	256QAM	25	25	18.02	18.18	18.12			
10	256QAM	50	0	17.98	18.15	17.79			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	19.5	0	
5	QPSK	1	0	18.24	18.30	18.35			
5	QPSK	1	12	18.24	18.09	18.01	19.5	0	
5	QPSK	1	24	18.28	18.12	17.99			
5	QPSK	12	0	17.90	18.17	18.24			
5	QPSK	12	7	18.16	18.02	18.00			
5	QPSK	12	13	18.06	18.04	17.97	19.5	0	
5	QPSK	25	0	18.17	18.16	18.23			
5	16QAM	1	0	18.09	18.22	18.01			
5	16QAM	1	12	18.14	18.10	18.17			
5	16QAM	1	24	18.09	18.17	18.22	19.5	0	
5	16QAM	12	0	18.04	18.15	18.08			
5	16QAM	12	7	17.97	18.01	17.84			
5	16QAM	12	13	18.13	18.15	18.09			
5	16QAM	25	0	18.09	18.13	17.99	19.5	0	
5	64QAM	1	0	18.24	18.29	18.00			
5	64QAM	1	12	18.13	18.22	18.05			
5	64QAM	1	24	18.11	18.19	17.97			
5	64QAM	12	0	18.02	18.25	18.07	19.5	0	
5	64QAM	12	7	17.93	18.24	18.15			
5	64QAM	12	13	18.22	18.02	17.88			
5	64QAM	25	0	17.98	18.06	18.01			
5	256QAM	1	0	18.32	18.27	18.34	19.5	0	
5	256QAM	1	12	17.99	18.02	18.10			
5	256QAM	1	24	18.24	18.08	17.94			
5	256QAM	12	0	18.11	18.22	18.04			
5	256QAM	12	7	18.08	18.23	18.16	19.5	0	
5	256QAM	12	13	18.07	18.10	17.94			
5	256QAM	25	0	17.94	18.20	17.94			

Band 41 Ant2 DSI0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.80	17.51	18.05	18.18	19.05	19.5	0
20	QPSK	1	49	17.98	17.79	18.15	18.24	18.97		
20	QPSK	1	99	17.52	17.72	17.76	17.94	18.68		
20	QPSK	50	0	17.69	17.52	17.91	18.01	18.93		
20	QPSK	50	24	17.52	17.62	18.12	18.10	18.80	19.5	0
20	QPSK	50	50	17.56	17.57	17.56	17.76	18.50		
20	QPSK	100	0	17.73	17.69	18.03	18.07	18.88		
20	16QAM	1	0	17.53	17.79	18.15	18.08	18.77		
20	16QAM	1	49	17.55	17.69	17.64	17.73	18.61	19.5	0
20	16QAM	1	99	17.92	17.55	17.97	18.12	19.04		
20	16QAM	50	0	17.53	17.79	18.04	18.17	18.90		
20	16QAM	50	24	17.53	17.72	17.71	17.83	18.67		
20	16QAM	50	50	17.78	17.62	18.05	18.05	18.93	19.5	0
20	16QAM	100	0	17.58	17.73	18.04	18.10	18.83		
20	64QAM	1	0	17.69	17.67	17.69	17.85	18.64		
20	64QAM	1	49	17.96	17.52	17.97	18.11	18.97		
20	64QAM	1	99	17.65	17.79	18.03	18.19	18.76	19.5	0
20	64QAM	50	0	17.61	17.66	17.58	17.92	18.48		
20	64QAM	50	24	17.88	17.53	17.87	18.18	19.03		
20	64QAM	50	50	17.67	17.60	18.06	18.24	18.95		
20	256QAM	1	0	17.74	17.57	17.58	17.73	18.62	19.5	0
20	256QAM	1	49	17.58	17.69	17.95	18.19	18.92		
20	256QAM	1	99	17.54	17.65	17.63	17.77	18.48		
20	256QAM	50	0	17.89	17.50	17.93	18.15	18.98		
20	256QAM	50	24	17.87	17.54	18.00	18.13	19.01	19.5	0
20	256QAM	50	50	17.63	17.70	17.94	18.05	18.99		
20	256QAM	100	0	17.74	17.69	17.72	17.90	18.47		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	17.81	17.50	17.89	18.04	18.87	19.50	0
15	QPSK	1	37	17.64	17.63	17.98	18.22	18.82		
15	QPSK	1	74	17.62	17.71	17.75	17.87	18.56		
15	QPSK	36	0	17.75	17.74	17.84	18.01	18.94		
15	QPSK	36	20	17.57	17.62	18.04	17.99	18.68	19.5	0
15	QPSK	36	39	17.68	17.55	17.53	17.60	18.24		
15	QPSK	75	0	17.87	17.65	17.97	18.07	18.78		
15	16QAM	1	0	17.53	17.81	18.03	18.01	18.68		
15	16QAM	1	37	17.52	17.68	17.64	17.63	18.40	19.5	0
15	16QAM	1	74	17.77	17.53	17.94	17.92	18.89		
15	16QAM	36	0	17.64	17.64	17.91	18.14	18.71		
15	16QAM	36	20	17.54	17.64	17.69	17.63	18.61		
15	16QAM	36	39	17.68	17.68	17.86	17.85	18.83	19.5	0
15	16QAM	75	0	17.56	17.72	17.94	18.01	18.72		
15	64QAM	1	0	17.51	17.57	17.60	17.68	18.58		
15	64QAM	1	37	17.92	17.53	17.81	18.08	18.77		
15	64QAM	1	74	17.54	17.78	17.81	18.19	18.70	19.5	0
15	64QAM	36	0	17.56	17.50	17.66	17.84	18.33		
15	64QAM	36	20	17.88	17.73	17.72	18.07	19.04		
15	64QAM	36	39	17.55	17.60	17.88	18.09	18.86		
15	64QAM	75	0	17.70	17.56	17.60	17.70	18.53	19.5	0
15	256QAM	1	0	17.76	17.62	18.05	18.07	17.72		
15	256QAM	1	37	17.66	17.60	17.78	18.07	18.76		
15	256QAM	1	74	17.55	17.51	17.63	17.67	18.30		
15	256QAM	36	0	17.88	17.69	17.77	18.12	18.84	19.5	0
15	256QAM	36	20	17.71	17.51	18.02	17.95	18.67		
15	256QAM	36	39	17.64	17.66	17.88	18.06	18.79		
15	256QAM	75	0	17.52	17.54	17.73	17.82	18.38		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	17.95	17.52	17.93	18.12	19.02	19.50	0
10	QPSK	1	25	17.61	17.78	18.11	18.13	18.97		
10	QPSK	1	49	17.54	17.65	17.66	17.74	18.70		
10	QPSK	25	0	17.85	17.63	17.88	17.86	18.72		
10	QPSK	25	12	17.51	17.60	18.14	18.07	18.81	19.5	0
10	QPSK	25	25	17.55	17.51	17.59	17.63	18.39		
10	QPSK	50	0	17.74	17.68	17.95	18.04	18.62		
10	16QAM	1	0	17.68	17.78	18.02	17.88	18.61		
10	16QAM	1	25	17.56	17.50	17.59	17.62	18.41	19.5	0
10	16QAM	1	49	17.79	17.66	17.78	17.94	19.03		
10	16QAM	25	0	17.65	17.66	17.83	18.12	18.86		
10	16QAM	25	12	17.69	17.56	17.62	17.80	18.54		
10	16QAM	25	25	17.58	17.53	18.00	17.90	18.86	19.5	0
10	16QAM	50	0	17.56	17.59	17.88	17.89	18.79		
10	64QAM	1	0	17.57	17.65	17.60	17.78	18.55		
10	64QAM	1	25	17.83	17.69	17.76	18.08	18.86		
10	64QAM	1	49	17.67	17.72	17.96	18.16	18.59	19.5	0
10	64QAM	25	0	17.51	17.58	17.56	17.86	18.40		
10	64QAM	25	12	17.89	17.61	17.75	18.20	18.97		
10	64QAM	25	25	17.64	17.71	18.03	18.08	18.74		
10	64QAM	50	0	17.72	17.53	17.54	17.73	18.53	19.5	0
10	256QAM	1	0	17.84	17.57	17.81	18.12	18.92		
10	256QAM	1	25	17.69	17.52	17.89	17.99	18.81		
10	256QAM	1	49	17.69	17.68	17.64	17.72	18.38		
10	256QAM	25	0	17.88	17.53	17.80	18.11	18.82	19.5	0
10	256QAM	25	12	17.65	17.73	17.82	17.94	19.03		
10	256QAM	25	25	17.72	17.62	17.76	18.00	19.00		
10	256QAM	50	0	17.64	17.58	17.67	17.73	18.33		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	17.94	17.56	18.01	18.08	18.98	19.50	0
5	QPSK	1	12	17.57	17.76	18.07	18.06	18.81		
5	QPSK	1	24	17.69	17.72	17.74	17.75	18.51		
5	QPSK	12	0	17.72	17.62	17.87	17.87	18.79		
5	QPSK	12	7	17.52	17.62	17.97	18.10	18.77	19.5	0
5	QPSK	12	13	17.56	17.65	17.73	17.67	18.51		
5	QPSK	25	0	17.82	17.55	17.85	18.06	18.65		
5	16QAM	1	0	17.50	17.65	18.01	17.94	18.69		
5	16QAM	1	12	17.53	17.60	17.52	17.58	18.55	19.5	0
5	16QAM	1	24	17.72	17.72	17.87	17.98	18.92		
5	16QAM	12	0	17.53	17.66	17.99	17.98	18.90		
5	16QAM	12	7	17.50	17.50	17.68	17.68	18.62		
5	16QAM	12	13	17.59	17.69	17.93	18.00	18.78	19.5	0
5	16QAM	25	0	17.50	17.71	18.05	17.99	18.62		
5	64QAM	1	0	17.66	17.67	17.56	17.68	18.54		
5	64QAM	1	12	17.77	17.63	17.90	17.93	18.67		
5	64QAM	1	24	17.59	17.79	17.87	18.17	18.68	19.5	0
5	64QAM	12	0	17.55	17.66	17.60	17.76	18.33		
5	64QAM	12	7	17.74	17.59	17.79	18.07	18.82		
5	64QAM	12	13	17.57	17.55	18.03	18.21	18.90		
5	64QAM	25	0	17.63	17.61	17.61	17.61	18.46	19.5	0
5	256QAM	1	0	17.84	17.59	17.97	18.11	18.96		
5	256QAM	1	12	17.62	17.54	17.91	18.20	18.89		
5	256QAM	1	24	17.74	17.53	17.62	17.56	18.43		
5	256QAM	12	0	17.90	17.55	17.77	17.97	18.92	19.5	0
5	256QAM	12	7	17.66	17.67	17.90	18.07	18.98		
5	256QAM	12	13	17.62	17.70	17.76	18.00	18.94		
5	256QAM	25	0	17.69	17.51	17.68	17.82	18.26		

Reduced Power Mode for DSI 0_Main PA

GSM850 Ant0 Default									
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
Tx Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		33.15	33.18	33.08	34.00	24.15	24.18	24.08	25.00
GPRS 1 Tx slot		33.10	33.15	33.02	34.00	24.10	24.15	24.02	25.00
GPRS 2 Tx slots		30.10	30.17	30.09	31.00	24.10	24.17	24.09	25.00
GPRS 3 Tx slots		28.26	28.34	28.28	29.50	24.00	24.08	24.02	25.24
GPRS 4 Tx slots		26.80	26.91	26.85	28.00	23.80	23.91	23.85	25.00
EDGE 1 Tx slot		27.13	27.18	27.09	27.50	18.13	18.18	18.09	18.50
EDGE 2 Tx slots		24.21	24.29	24.24	24.50	18.21	18.29	18.24	18.50
EDGE 3 Tx slots		22.27	22.30	22.26	22.50	18.01	18.04	18.00	18.24
EDGE 4 Tx slots		20.88	20.96	20.91	21.50	17.88	17.96	17.91	18.50
GSM1900 Ant0 Default									
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
Tx Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.96	29.99	29.84	31.00	20.96	20.99	20.84	22.00
GPRS 1 Tx slot		29.87	29.92	29.80	31.00	20.87	20.92	20.80	22.00
GPRS 2 Tx slots		27.06	27.11	27.02	28.00	21.06	21.11	21.02	22.00
GPRS 3 Tx slots		25.27	25.32	25.23	26.50	21.01	21.06	20.97	22.24
GPRS 4 Tx slots		23.86	23.95	23.90	25.00	20.86	20.95	20.90	22.00
EDGE 1 Tx slot		25.70	25.78	25.73	26.50	16.70	16.78	16.73	17.50
EDGE 2 Tx slots		22.52	22.58	22.53	23.50	16.52	16.58	16.53	17.50
EDGE 3 Tx slots		20.60	20.64	20.50	21.50	16.34	16.38	16.24	17.24
EDGE 4 Tx slots		19.04	19.08	19.04	20.00	16.04	16.08	16.04	17.00
WCDMA II Ant0 Default									
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
Tx Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1552.4	1580	1597.6		1712.4	1742.5	1759.6	
3GPP Rel 99 AMR 12.2kbps		23.91	24.05	23.96	24.50	23.71	23.84	23.76	25.00
3GPP Rel 99 RMC 12.2kbps		24.03	24.15	24.04	24.50	23.76	23.82	23.83	25.00
3GPP Rel 6 HSDPA Subtest-1		23.01	23.19	22.95	23.50	22.76	22.96	22.87	24.00
3GPP Rel 6 HSDPA Subtest-2		23.06	23.13	22.97	23.50	22.72	22.91	22.85	24.00
3GPP Rel 6 HSDPA Subtest-3		22.55	22.74	22.46	23.00	22.33	22.42	22.30	23.50
3GPP Rel 6 HSDPA Subtest-4		22.50	22.58	22.43	23.00	22.25	22.48	22.29	23.50
3GPP Rel 8 DC-HSDPA Subtest-1		23.06	23.19	23.04	23.50	22.73	23.02	22.94	24.00
3GPP Rel 8 DC-HSDPA Subtest-2		23.01	23.21	23.05	23.50	22.70	22.95	22.87	24.00
3GPP Rel 8 DC-HSDPA Subtest-3		22.54	22.75	22.43	23.00	22.38	22.48	22.30	23.50
3GPP Rel 8 DC-HSDPA Subtest-4		22.60	22.57	22.54	23.00	22.29	22.51	22.33	23.50
3GPP Rel 6 HSUPA Subtest-1		23.03	23.16	23.02	23.50	22.73	22.96	22.85	24.00
3GPP Rel 6 HSUPA Subtest-2		21.05	21.17	20.97	21.50	20.71	20.90	20.88	22.00
3GPP Rel 6 HSUPA Subtest-3		22.09	22.22	21.91	22.50	21.72	21.95	21.84	23.00
3GPP Rel 6 HSUPA Subtest-4		21.07	21.14	20.97	21.50	20.72	20.96	20.82	22.00
3GPP Rel 6 HSUPA Subtest-5		23.05	23.12	22.97	23.50	22.81	22.92	22.86	24.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1		20.53	20.61	20.49	21.00	20.31	20.41	20.32	21.50
WCDMA V Ant0 Default									
Band		WCDMA V			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
Tx Channel		4132	4182	4233		4357	4407	4458	
Rx Channel		4594	4644	4695		4819	4869	4920	
3GPP Rel 99 AMR 12.2kbps		24.27	24.46	24.18	25.00	24.27	24.46	24.18	25.00
3GPP Rel 99 RMC 12.2kbps		24.34	24.51	24.23	25.00	24.34	24.51	24.23	25.00
3GPP Rel 6 HSDPA Subtest-1		23.31	23.49	23.26	24.00	23.31	23.49	23.26	24.00
3GPP Rel 6 HSDPA Subtest-2		23.30	23.54	23.22	24.00	23.30	23.54	23.22	24.00
3GPP Rel 6 HSDPA Subtest-3		22.91	23.07	22.80	23.50	22.91	23.07	22.80	23.50
3GPP Rel 6 HSDPA Subtest-4		22.80	22.99	22.70	23.50	22.80	22.99	22.70	23.50
3GPP Rel 8 DC-HSDPA Subtest-1		23.33	23.48	23.26	24.00	23.33	23.48	23.26	24.00
3GPP Rel 8 DC-HSDPA Subtest-2		23.34	23.53	23.20	24.00	23.34	23.53	23.20	24.00
3GPP Rel 8 DC-HSDPA Subtest-3		22.87	23.03	22.86	23.50	22.87	23.03	22.86	23.50
3GPP Rel 8 DC-HSDPA Subtest-4		22.78	22.98	22.68	23.50	22.78	22.98	22.68	23.50
3GPP Rel 6 HSUPA Subtest-1		23.41	23.47	23.27	24.00	23.41	23.47	23.27	24.00
3GPP Rel 6 HSUPA Subtest-2		21.37	21.48	21.21	22.00	21.37	21.48	21.21	22.00
3GPP Rel 6 HSUPA Subtest-3		22.40	22.50	22.21	23.00	22.40	22.50	22.21	23.00
3GPP Rel 6 HSUPA Subtest-4		21.34	21.49	21.23	22.00	21.34	21.49	21.23	22.00
3GPP Rel 6 HSUPA Subtest-5		23.39	23.50	23.22	24.00	23.39	23.50	23.22	24.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1		20.88	20.98	20.84	21.50	20.88	20.98	20.84	21.50

Band 38 Ant0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.94	24.08	23.97	25	0		
20	QPSK	1	49	23.91	24.06	23.97				
20	QPSK	1	99	23.79	23.88	23.75				
20	QPSK	50	0	22.91	23.03	22.91	24	1		
20	QPSK	50	24	22.90	22.95	22.85				
20	QPSK	50	50	22.89	22.94	22.81				
20	QPSK	100	0	22.83	22.96	22.83	24	1		
20	16QAM	1	0	22.91	22.99	22.94				
20	16QAM	1	49	22.94	23.04	22.96				
20	16QAM	1	99	22.77	22.92	22.77	23	2		
20	16QAM	50	0	22.01	22.05	21.94				
20	16QAM	50	24	21.90	21.96	21.92				
20	16QAM	50	50	21.87	22.01	21.93	23	2		
20	16QAM	100	0	22.07	22.11	22.07				
20	64QAM	1	0	21.81	21.87	21.73				
20	64QAM	1	49	21.72	21.84	21.81	22	3		
20	64QAM	1	99	21.86	21.93	21.86				
20	64QAM	50	0	21.00	21.12	21.03				
20	64QAM	50	24	21.02	21.06	21.00	20	5		
20	64QAM	50	50	20.93	20.97	20.94				
20	64QAM	100	0	21.01	21.08	20.95				
20	256QAM	1	0	18.83	18.94	18.84	20	5		
20	256QAM	1	49	18.97	19.01	18.97				
20	256QAM	1	99	18.93	19.07	19.04				
20	256QAM	50	0	19.03	19.12	19.04	20	5		
20	256QAM	50	24	18.99	19.03	18.96				
20	256QAM	50	50	18.87	18.98	18.93				
20	256QAM	100	0	19.04	19.10	19.02				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.78	24.04	23.86	25	0		
15	QPSK	1	37	23.85	24.00	23.94				
15	QPSK	1	74	23.70	23.81	23.71				
15	QPSK	36	0	22.82	22.96	22.84	24	1		
15	QPSK	36	20	22.80	22.83	22.75				
15	QPSK	36	39	22.82	22.87	22.74				
15	QPSK	75	0	22.79	22.86	22.73	24	1		
15	16QAM	1	0	22.81	22.89	22.90				
15	16QAM	1	37	22.81	22.90	22.83				
15	16QAM	1	74	22.71	22.80	22.67	23	2		
15	16QAM	36	0	21.94	21.95	21.81				
15	16QAM	36	20	21.77	21.91	21.83				
15	16QAM	36	39	21.79	21.93	21.87	23	2		
15	16QAM	75	0	22.01	22.08	21.96				
15	64QAM	1	0	21.72	21.73	21.70				
15	64QAM	1	37	21.63	21.74	21.66	23	2		
15	64QAM	1	74	21.75	21.80	21.76				
15	64QAM	36	0	20.97	21.02	20.97				
15	64QAM	36	20	20.91	21.03	20.86	22	3		
15	64QAM	36	39	20.83	20.93	20.87				
15	64QAM	75	0	20.90	20.97	20.86				
15	256QAM	1	0	18.74	18.86	18.78	20	5		
15	256QAM	1	37	18.82	18.87	18.83				
15	256QAM	1	74	18.82	19.02	18.93				
15	256QAM	36	0	18.94	18.98	19.00	20	5		
15	256QAM	36	20	18.87	18.95	18.91				
15	256QAM	36	39	18.81	18.94	18.87				
15	256QAM	75	0	18.96	19.06	18.97				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.77	23.97	23.85	25	0		
10	QPSK	1	25	23.84	23.93	23.93				
10	QPSK	1	49	23.66	23.82	23.68				
10	QPSK	25	0	22.81	22.89	22.84	24	1		
10	QPSK	25	12	22.80	22.90	22.81				
10	QPSK	25	25	22.85	22.85	22.71				
10	QPSK	50	0	22.79	22.90	22.70	24	1		
10	16QAM	1	0	22.76	22.95	22.89				
10	16QAM	1	25	22.91	22.93	22.91				
10	16QAM	1	49	22.70	22.78	22.69	23	2		
10	16QAM	25	0	21.91	21.99	21.80				
10	16QAM	25	12	21.82	21.90	21.81				
10	16QAM	25	25	21.82	21.82	21.89	23	2		
10	16QAM	50	0	21.87	21.98	21.98				
10	64QAM	1	0	21.72	21.79	21.67				
10	64QAM	1	25	21.67	21.75	21.76	23	2		
10	64QAM	1	49	21.82	21.86	21.72				
10	64QAM	25	0	20.94	21.08	20.90				
10	64QAM	25	12	20.96	20.98	20.88	22	3		
10	64QAM	25	25	20.81	20.92	20.90				
10	64QAM	50	0	20.98	20.97	20.89				
10	256QAM	1	0	18.75	18.85	18.79	20	5		
10	256QAM	1	25	18.83	18.95	18.92				
10	256QAM	1	49	18.78	18.98	18.99				
10	256QAM	25	0	18.98	18.99	18.91	20	5		
10	256QAM	25	12	18.88	18.96	18.93				
10	256QAM	25	25	18.76	18.92	18.88				
10	256QAM	50	0	18.99	18.98	18.92				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2612.5				
5	QPSK	1	0	23.77	23.94	23.89	25	0		
5	QPSK	1	12	23.85	23.99	23.86				
5	QPSK	1	24	23.75	23.74	23.68				
5	QPSK	12	0	22.83	22.96	22.87	24	1		
5	QPSK	12	7	22.77	22.91	22.76				
5	QPSK	12	13	22.78	22.81	22.67				
5	QPSK	25	0	22.68	22.89	22.79	24	1		
5	16QAM	1	0	22.76	22.92	22.83				
5	16QAM	1	12	22.86	22.91	22.89				
5	16QAM	1	24	22.63	22.87	22.63	23	2		
5	16QAM	12	0	21.88	21.97	21.86				
5	16QAM	12	7	21.76	21.92	21.87				
5	16QAM	12	13	21.80	21.95	21.89	23	2		
5	16QAM	25	0	21.93	22.05	22.04				
5	64QAM	1	0	21.67	21.80	21.62				
5	64QAM	1	12	21.65	21.72	21.68	23	2		
5	64QAM	1	24	21.83	21.80	21.79				
5	64QAM	12	0	20.88	21.03	20.93				
5	64QAM	12	7	20.97	21.00	20.93	22	3		
5	64QAM	12	13	20.85	20.83	20.90				
5	64QAM	25	0	20.94	21.02	20.86				
5	256QAM	1	0	18.71	18.90	18.72	20	5		
5	256QAM	1	12	18.93	18.95	18.85				
5	256QAM	1	24	18.85	18.95	18.92				
5	256QAM	12	0	18.95	19.06	19.00	20	5		
5	256QAM	12	7	18.84	18.99	18.92				
5	256QAM	12	13	18.83	18.90	18.87				
5	256QAM	25	0	19.00	18.97	18.90				

Band 41 Ant0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.98	24.09	24.19	24.02	24.07	25	0
20	QPSK	1	49	23.96	24.06	24.10	23.98	24.03		
20	QPSK	1	99	23.92	23.90	24.02	23.93	23.97		
20	QPSK	50	0	22.98	23.06	23.11	22.99	23.04		
20	QPSK	50	24	22.89	22.95	23.03	22.88	22.97	24	1
20	QPSK	50	50	22.83	22.88	22.95	22.80	22.81		
20	QPSK	100	0	22.84	22.90	23.01	22.94	22.96		
20	16QAM	1	0	23.09	23.10	23.16	23.12	23.08		
20	16QAM	1	49	22.92	22.95	23.01	22.98	22.93	24	1
20	16QAM	1	99	23.07	23.02	23.10	22.97	22.97		
20	16QAM	50	0	22.01	22.07	22.15	22.09	22.03		
20	16QAM	50	24	21.96	21.96	22.06	22.00	21.95		
20	10QAM	50	50	21.93	21.97	22.03	21.98	21.90	23	2
20	16QAM	100	0	22.03	22.04	22.14	22.03	22.05		
20	64QAM	1	0	22.02	21.93	22.07	21.92	22.00		
20	64QAM	1	49	21.88	21.93	21.99	21.89	21.90		
20	64QAM	1	99	21.89	21.90	22.02	21.92	21.96	23	2
20	64QAM	50	0	21.10	21.10	21.18	21.08	21.07		
20	64QAM	50	24	20.92	20.92	21.06	20.91	20.91		
20	64QAM	50	50	20.95	20.93	21.01	20.92	20.86		
20	64QAM	100	0	21.04	21.08	21.15	21.07	21.07	22	3
20	256QAM	1	0	19.01	19.01	19.08	19.04	19.00		
20	256QAM	1	49	18.93	18.86	18.98	18.93	18.90		
20	256QAM	1	99	19.05	19.06	19.11	18.96	19.04		
20	256QAM	50	0	19.15	19.04	19.19	19.08	19.05	20	5
20	256QAM	50	24	18.97	18.95	19.07	18.97	18.94		
20	256QAM	50	50	18.98	19.01	19.11	19.05	19.07		
20	256QAM	100	0	19.02	19.11	19.15	19.09	19.10		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.91	23.95	24.13	23.99	23.96	25.00	0
15	QPSK	1	37	23.89	23.95	23.97	23.91	23.88		
15	QPSK	1	74	23.78	23.80	23.93	23.80	23.81		
15	QPSK	36	0	22.92	22.95	22.99	22.91	23.01		
15	QPSK	36	20	22.85	22.89	22.93	22.84	22.88	24	1
15	QPSK	36	39	22.68	22.76	22.88	22.76	22.76		
15	QPSK	75	0	22.84	22.86	22.91	22.80	22.81		
15	16QAM	1	0	23.03	22.96	23.11	23.08	23.04		
15	16QAM	1	37	22.79	22.89	22.89	22.92	22.82	24	1
15	16QAM	1	74	22.92	22.97	23.05	22.82	22.88		
15	16QAM	36	0	21.89	21.99	22.02	22.01	21.98		
15	16QAM	36	20	21.86	21.84	21.96	21.89	21.86		
15	16QAM	36	39	21.87	21.89	21.95	21.90	21.84	23	2
15	16QAM	75	0	21.98	21.95	22.11	21.93	22.00		
15	64QAM	1	0	21.96	21.83	21.93	21.80	21.94		
15	64QAM	1	37	21.76	21.87	21.96	21.78	21.86		
15	64QAM	1	74	21.79	21.82	21.96	21.84	21.86	23	2
15	64QAM	36	0	21.02	20.97	21.09	21.05	20.99		
15	64QAM	36	20	20.80	20.84	20.93	20.81	20.84		
15	64QAM	36	39	20.86	20.79	20.96	20.84	20.79		
15	64QAM	75	0	20.91	20.97	21.05	20.96	20.99	22	3
15	256QAM	1	0	18.92	18.90	18.94	18.92	18.96		
15	256QAM	1	37	18.79	18.82	18.94	18.85	18.78		
15	256QAM	1	74	18.01	18.03	18.97	18.83	18.98		
15	256QAM	36	0	19.03	18.93	19.13	18.99	18.96	20	5
15	256QAM	36	20	18.94	18.90	18.99	18.91	18.88		
15	256QAM	36	39	18.95	18.90	18.98	19.01	18.93		
15	256QAM	75	0	18.92	19.02	19.10	18.96	19.03		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.89	23.96	24.08	23.98	24.04	25.00	0
10	QPSK	1	25	23.86	23.94	24.01	23.86	23.95		
10	QPSK	1	49	23.87	23.77	23.97	23.90	23.86		
10	QPSK	25	0	22.84	23.00	22.96	22.85	22.90		
10	QPSK	25	12	22.83	22.91	22.91	22.94	22.87	24	1
10	QPSK	25	25	22.72	22.74	22.91	22.74	22.70		
10	QPSK	50	0	22.83	22.83	22.94	22.79	22.89		
10	16QAM	1	0	22.94	23.03	23.12	23.05	23.01		
10	16QAM	1	25	22.89	22.80	22.91	22.84	22.84	24	1
10	16QAM	1	49	23.01	22.91	23.06	22.89	22.83		
10	16QAM	25	0	21.93	22.03	22.08	21.95	22.00		
10	16QAM	25	12	21.85	21.88	21.97	21.89	21.83		
10	16QAM	25	25	21.84	21.88	21.93	21.80	21.83	23	2
10	16QAM	50	0	21.99	21.94	22.05	21.92	21.93		
10	64QAM	1	0	21.96	21.83	22.02	21.77	21.88		
10	64QAM	1	25	21.76	21.79	21.94	21.75	21.80		
10	64QAM	1	49	21.79	21.81	21.97	21.81	21.91	23	2
10	64QAM	25	0	20.98	21.02	21.11	21.04	20.95		
10	64QAM	25	12	20.89	20.85	20.96	20.83	20.83		
10	64QAM	25	25	20.91	20.83	20.96	20.78	20.80		
10	64QAM	50	0	21.00	21.05	21.00	20.96	21.01	22	3
10	256QAM	1	0	18.87	18.93	18.94	18.93	18.93		
10	256QAM	1	25	18.81	18.79	18.86	18.84	18.75		
10	256QAM	1	49	19.01	18.96	19.01	18.81	18.91		
10	256QAM	25	0	19.01	18.97	19.10	19.00	18.95	20	5
10	256QAM	25	12	18.85	18.84	18.95	18.86	18.82		
10	256QAM	25	25	18.84	18.87	18.96	19.01	18.98		
10	256QAM	50	0	18.91	18.98	19.01	18.96	19.04		
Channel				39675	40148	40620	41093	41555	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.90	23.99	24.07	23.91	24.01	25.00	0
5	QPSK	1	12	23.85	23.92	24.02	23.83	23.88		
5	QPSK	1	24	23.86	23.85	23.93	23.80	23.92		
5	QPSK	12	0	22.85	22.96	23.06	22.87	23.00		
5	QPSK	12	7	22.80	22.85	22.98	22.92	22.91	24	1
5	QPSK	12	13	22.69	22.81	22.91	22.69	22.68		
5	QPSK	25	0	22.82	22.81	22.93	22.91	22.90		
5	16QAM	1	0	22.98	23.03	23.08	22.98	22.99		
5	16QAM	1	12	22.83	22.85	22.95	22.86	22.87	24	1
5	16QAM	1	24	22.97	22.98	23.00	22.94	22.89		
5	16QAM	12	0	21.91	22.02	22.01	22.02	21.96		
5	16QAM	12	7	21.82	21.92	21.97	21.86	21.91		
5	16QAM	12	13	21.80	21.87	21.97	21.84	21.85	23	2
5	16QAM	25	0	21.98	21.95	22.05	21.96	21.92		
5	64QAM	1	0	21.95	21.83	21.98	21.88	21.96		
5	64QAM	1	12	21.81	21.82	21.88	21.81	21.79		
5	64QAM	1	24	21.75	21.76	21.93	21.79	21.87	23	2
5	64QAM	12	0	21.02	21.04	21.04	21.05	20.97		
5	64QAM	12	7	20.80	20.80	20.97	20.85	20.76		
5	64QAM	12	13	20.81	20.84	20.89	20.79	20.80		
5	64QAM	25	0	20.93	21.03	21.04	20.98	20.89	22	3
5	256QAM	1	0	18.92	18.96	18.98	18.92	18.94		
5	256QAM	1	12	18.89	18.81	18.84	18.88	18.77		
5	256QAM	1	24	19.00	19.00	18.97	18.86	18.96		
5	256QAM	12	0	19.05	18.94	19.08	18.99	18.92	20	5
5	256QAM	12	7	18.88	18.90	19.00	18.88	18.90		
5	256QAM	12	13	18.94	18.90	19.02	18.95	18.96		
5	256QAM	25	0	18.93	18.97	19.04	19.03	19.02		

GSM850 Ant1 Default								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.89	32.93	32.87	34.50	23.89	23.93	23.87	25.50
GPRS 1 Tx slot	32.82	32.89	32.83	34.50	23.82	23.89	23.83	25.50
GPRS 2 Tx slots	29.93	29.96	29.93	31.50	23.93	23.96	23.93	25.50
GPRS 3 Tx slots	28.02	28.12	28.06	30.00	23.76	23.86	23.80	23.74
GPRS 4 Tx slots	26.61	26.75	26.71	28.50	23.61	23.75	23.71	25.50
EDGE 1 Tx slot	26.96	27.05	26.97	28.00	17.96	18.05	17.97	19.00
EDGE 2 Tx slots	24.12	24.16	24.08	25.00	18.12	18.16	18.08	19.00
EDGE 3 Tx slots	22.16	22.21	22.13	23.00	17.90	17.95	17.87	18.74
EDGE 4 Tx slots	20.64	20.78	20.64	22.00	17.64	17.78	17.64	19.00

WCDMA V Ant1 DSIS				
Band	WCDMA V			Tune-up Limit (dBm)
TX Channel	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99 RMC 12.2kbps	22.75	23.04	22.74	24.50
3GPP Rel 99 RMC 12.2kbps	22.81	23.09	22.71	24.50
3GPP Rel 6 HSDPA Subtest-1	21.95	22.09	21.86	23.50
3GPP Rel 6 HSDPA Subtest-2	21.91	22.14	21.84	23.50
3GPP Rel 6 HSDPA Subtest-3	21.48	21.71	21.43	23.00
3GPP Rel 6 HSDPA Subtest-4	21.43	21.53	21.37	23.00
3GPP Rel 6 DC-HSDPA Subtest-1	21.95	22.03	21.84	23.50
3GPP Rel 6 DC-HSDPA Subtest-2	21.91	22.19	21.87	23.50
3GPP Rel 6 DC-HSDPA Subtest-3	21.44	21.67	21.52	23.00
3GPP Rel 6 DC-HSDPA Subtest-4	21.39	21.51	21.35	23.00
3GPP Rel 6 HSUPA Subtest-1	22.04	22.16	21.84	23.50
3GPP Rel 6 HSUPA Subtest-2	19.95	20.17	19.87	21.50
3GPP Rel 6 HSUPA Subtest-3	20.94	21.18	20.82	22.50
3GPP Rel 6 HSUPA Subtest-4	20.02	20.14	19.87	21.50
3GPP Rel 6 HSUPA Subtest-5	22.04	22.15	21.81	23.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	19.33	19.64	19.58	21.00

Band 38 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.85	22.94	22.69	24	0	
20	QPSK	1	49	22.74	22.81	22.81			
20	QPSK	1	99	22.80	22.68	22.86			
20	QPSK	50	0	21.79	21.88	21.82			
20	QPSK	50	24	21.71	21.76	21.76	23	1	
20	QPSK	50	50	21.74	21.68	21.66			
20	QPSK	100	0	21.72	21.86	21.70			
20	16QAM	1	0	21.81	21.84	21.85			
20	16QAM	1	49	21.81	21.68	21.86	23	1	
20	16QAM	1	99	21.75	21.66	21.82			
20	16QAM	50	0	20.83	20.85	20.82			
20	16QAM	50	24	20.80	20.80	20.80			
20	16QAM	50	50	20.68	20.71	20.72	22	2	
20	16QAM	100	0	20.74	20.77	20.73			
20	64QAM	1	0	20.82	20.85	20.87			
20	64QAM	1	49	20.78	20.83	20.77			
20	64QAM	1	99	20.73	20.70	20.78	22	2	
20	64QAM	50	0	19.86	19.87	19.87			
20	64QAM	50	24	19.73	19.81	19.81			
20	64QAM	50	50	19.70	19.72	19.71			
20	64QAM	100	0	19.76	19.78	19.78	21	3	
20	256QAM	1	0	17.79	17.86	17.82			
20	256QAM	1	49	17.76	17.83	17.82			
20	256QAM	1	99	17.66	17.68	17.71			
20	256QAM	50	0	17.91	17.92	17.88	19	5	
20	256QAM	50	24	17.85	17.85	17.87			
20	256QAM	50	50	17.69	17.76	17.72			
20	256QAM	100	0	17.74	17.79	17.75			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.85	22.88	22.69	24	0	
15	QPSK	1	37	22.73	22.75	22.82			
15	QPSK	1	74	22.79	22.74	22.82			
15	QPSK	36	0	21.83	21.84	21.77			
15	QPSK	36	20	21.72	21.70	21.72	23	1	
15	QPSK	36	39	21.66	21.69	21.66			
15	QPSK	75	0	21.77	21.69	21.71			
15	16QAM	1	0	21.87	21.84	21.83			
15	16QAM	1	37	21.86	21.78	21.83	23	1	
15	16QAM	1	74	21.80	21.68	21.79			
15	16QAM	36	0	20.89	20.83	20.84			
15	16QAM	36	20	20.85	20.78	20.80			
15	16QAM	36	39	20.72	20.70	20.72	22	2	
15	16QAM	75	0	20.75	20.77	20.69			
15	64QAM	1	0	20.80	20.83	20.88			
15	64QAM	1	37	20.77	20.76	20.78			
15	64QAM	1	74	20.76	20.74	20.80	22	2	
15	64QAM	36	0	19.88	19.83	19.82			
15	64QAM	36	20	19.74	19.78	19.81			
15	64QAM	36	39	19.70	19.69	19.70			
15	64QAM	75	0	19.76	19.74	19.73	21	3	
15	256QAM	1	0	17.81	17.85	17.78			
15	256QAM	1	37	17.75	17.80	17.78			
15	256QAM	1	74	17.70	17.73	17.66			
15	256QAM	36	0	17.90	17.88	17.86	19	5	
15	256QAM	36	20	17.87	17.81	17.83			
15	256QAM	36	39	17.67	17.72	17.73			
15	256QAM	75	0	17.75	17.75	17.74			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.85	22.87	22.75	24	0	
10	QPSK	1	25	22.77	22.89	22.81			
10	QPSK	1	49	22.88	22.70	22.82			
10	QPSK	25	0	21.85	21.86	21.81			
10	QPSK	25	12	21.74	21.77	21.73	23	1	
10	QPSK	25	25	21.67	21.68	21.66			
10	QPSK	50	0	21.75	21.78	21.73			
10	16QAM	1	0	21.87	21.92	21.89			
10	16QAM	1	25	21.86	21.87	21.85	23	1	
10	16QAM	1	49	21.82	21.72	21.82			
10	16QAM	25	0	20.84	20.90	20.85			
10	16QAM	25	12	20.88	20.84	20.78			
10	16QAM	25	25	20.75	20.72	20.71	22	2	
10	16QAM	50	0	20.75	20.82	20.69			
10	64QAM	1	0	20.83	20.90	20.86			
10	64QAM	1	25	20.85	20.84	20.73			
10	64QAM	1	49	20.75	20.73	20.80	22	2	
10	64QAM	25	0	19.87	19.87	19.86			
10	64QAM	25	12	19.74	19.82	19.79			
10	64QAM	25	25	19.78	19.76	19.73			
10	64QAM	50	0	19.78	19.84	19.74	21	3	
10	256QAM	1	0	17.82	17.94	17.85			
10	256QAM	1	25	17.81	17.86	17.84			
10	256QAM	1	49	17.71	17.74	17.66			
10	256QAM	25	0	17.97	17.92	17.91	19	5	
10	256QAM	25	12	17.89	17.86	17.89			
10	256QAM	25	25	17.76	17.80	17.72			
10	256QAM	50	0	17.68	17.81	17.72			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.75	22.82	22.68	24	0	
5	QPSK	1	12	22.67	22.78	22.80			
5	QPSK	1	24	22.77	22.69	22.83			
5	QPSK	12	0	21.74	21.84	21.81			
5	QPSK	12	7	21.66	21.73	21.73	23	1	
5	QPSK	12	13	21.76	21.72	21.71			
5	QPSK	25	0	21.68	21.75	21.68			
5	16QAM	1	0	21.74	21.85	21.82			
5	16QAM	1	12	21.78	21.89	21.83	23	1	
5	16QAM	1	24	21.66	21.67	21.76			
5	16QAM	12	0	20.75	20.86	20.79			
5	16QAM	12	7	20.76	20.81	20.78			
5	16QAM	12	13	20.70	20.72	20.67	22	2	
5	16QAM	25	0	20.67	20.79	20.68			
5	64QAM	1	0	20.75	20.81	20.80			
5	64QAM	1	12	20.74	20.82	20.70			
5	64QAM	1	24	20.66	20.69	20.74	22	2	
5	64QAM	12	0	19.76	19.85	19.84			
5	64QAM	12	7	19.70	19.79	19.74			
5	64QAM	12	13	19.66	19.71	19.66			
5	64QAM	25	0	19.71	19.80	19.78	21	3	
5	256QAM	1	0	17.71	17.88	17.75			
5	256QAM	1	12	17.67	17.83	17.77			
5	256QAM	1	24	17.70	17.66	17.69			
5	256QAM	12	0	17.85	17.93	17.81	19	5	
5	256QAM	12	7	17.77	17.83	17.83			
5	256QAM	12	13	17.69	17.74	17.74			
5	256QAM	25	0	17.66	17.78	17.71			

Band 41 Ant1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.88	22.69	22.94	22.79	22.80	24	0
20	QPSK	1	49	22.78	22.73	22.86	22.78	22.72		
20	QPSK	1	99	22.73	22.66	22.75	22.72	22.79		
20	QPSK	50	0	21.78	21.81	21.90	21.77	21.83		
20	QPSK	50	24	21.68	21.67	21.79	21.75	21.71	23	1
20	QPSK	50	50	21.66	21.72	21.72	21.73	21.72		
20	QPSK	100	0	21.77	21.78	21.88	21.73	21.71		
20	16QAM	1	0	21.80	21.81	21.84	21.80	21.77		
20	16QAM	1	49	21.81	21.84	21.86	21.81	21.84	23	1
20	16QAM	1	99	21.75	21.68	21.67	21.79	21.82		
20	16QAM	50	0	20.77	20.80	20.89	20.78	20.82		
20	16QAM	50	24	20.73	20.75	20.84	20.76	20.72		
20	16QAM	50	50	20.70	20.69	20.71	20.68	20.70	22	2
20	16QAM	100	0	20.69	20.68	20.82	20.69	20.72		
20	64QAM	1	0	20.75	20.80	20.86	20.73	20.78		
20	64QAM	1	49	20.74	20.79	20.70	20.84	20.78		
20	64QAM	1	99	20.67	20.69	20.70	20.71	20.72	22	2
20	64QAM	50	0	19.80	19.82	19.99	19.80	19.80		
20	64QAM	50	24	19.75	19.67	19.81	19.69	19.75		
20	64QAM	50	50	19.70	19.67	19.75	19.66	19.67		
20	64QAM	100	0	19.68	19.69	19.75	19.72	19.75	21	3
20	256QAM	1	0	17.73	17.77	17.83	17.73	17.72		
20	256QAM	1	49	17.79	17.74	17.85	17.75	17.76		
20	256QAM	1	99	17.77	17.69	17.75	17.74	17.73		
20	256QAM	50	0	17.86	17.79	17.93	17.87	17.81	19	5
20	256QAM	50	24	17.74	17.79	17.86	17.77	17.72		
20	256QAM	50	50	17.69	17.66	17.78	17.71	17.68		
20	256QAM	100	0	17.70	17.70	17.78	17.70	17.72		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.89	22.68	22.91	22.78	22.79	24.0	0
15	QPSK	1	37	22.78	22.70	22.84	22.76	22.72		
15	QPSK	1	74	22.75	22.67	22.79	22.73	22.82		
15	QPSK	36	0	21.76	21.83	21.88	21.79	21.82		
15	QPSK	36	20	21.72	21.69	21.78	21.68	21.78	23	1
15	QPSK	36	39	21.68	21.69	21.74	21.67	21.71		
15	QPSK	75	0	21.77	21.77	21.85	21.73	21.73		
15	16QAM	1	0	21.82	21.81	21.91	21.78	21.76		
15	16QAM	1	37	21.80	21.84	21.94	21.80	21.82	23	1
15	16QAM	1	74	21.76	21.70	21.70	21.77	21.80		
15	16QAM	36	0	20.73	20.80	20.92	20.81	20.83		
15	16QAM	36	20	20.77	20.73	20.82	20.74	20.75		
15	16QAM	36	39	20.72	20.67	20.73	20.69	20.68	22	2
15	16QAM	75	0	20.73	20.67	20.85	20.67	20.70		
15	64QAM	1	0	20.73	20.79	20.88	20.69	20.81		
15	64QAM	1	37	20.71	20.67	20.83	20.75	20.68		
15	64QAM	1	74	20.68	20.71	20.72	20.70	20.68	22	2
15	64QAM	36	0	19.82	19.83	19.89	19.77	19.82		
15	64QAM	36	20	19.75	19.73	19.80	19.70	19.73		
15	64QAM	36	39	19.72	19.69	19.75	19.68	19.68		
15	64QAM	75	0	19.71	19.68	19.72	19.71	19.70	21	3
15	256QAM	1	0	17.72	17.80	17.81	17.72	17.73		
15	256QAM	1	37	17.79	17.77	17.88	17.79	17.74		
15	256QAM	1	74	17.74	17.72	17.84	17.72	17.70		
15	256QAM	36	0	17.83	17.76	17.92	17.87	17.81	19	5
15	256QAM	36	20	17.75	17.77	17.90	17.75	17.74		
15	256QAM	36	39	17.67	17.69	17.80	17.69	17.71		
15	256QAM	75	0	17.70	17.67	17.77	17.64	17.69		
Channel				39700	41660	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.88	22.66	22.87	22.77	22.82	24.0	0
10	QPSK	1	25	22.74	22.69	22.83	22.74	22.71		
10	QPSK	1	49	22.72	22.66	22.73	22.71	22.78		
10	QPSK	25	0	21.75	21.82	21.90	21.77	21.85		
10	QPSK	25	12	21.68	21.66	21.80	21.73	21.69	23	1
10	QPSK	25	25	21.67	21.72	21.73	21.69	21.71		
10	QPSK	50	0	21.77	21.77	21.85	21.72	21.72		
10	16QAM	1	0	21.81	21.83	21.91	21.80	21.77		
10	16QAM	1	25	21.79	21.86	21.92	21.81	21.80	23	1
10	16QAM	1	49	21.77	21.70	21.68	21.75	21.85		
10	16QAM	25	0	20.77	20.76	20.90	20.81	20.84		
10	16QAM	25	12	20.73	20.74	20.83	20.76	20.74		
10	16QAM	25	24	20.75	20.67	20.80	20.78	20.75	22	2
10	16QAM	50	0	20.67	20.72	20.85	20.76	20.70		
10	64QAM	1	0	20.73	20.82	20.85	20.76	20.79		
10	64QAM	1	25	20.75	20.71	20.80	20.78	20.67		
10	64QAM	1	49	20.73	20.70	20.67	20.70	20.69	22	2
10	64QAM	25	0	19.81	19.83	19.90	19.76	19.76		
10	64QAM	25	12	19.75	19.69	19.77	19.69	19.73		
10	64QAM	25	25	19.72	19.72	19.75	19.68	19.68		
10	64QAM	50	0	19.71	19.69	19.75	19.70	19.68	21	3
10	256QAM	1	0	17.74	17.77	17.82	17.77	17.70		
10	256QAM	1	25	17.76	17.74	17.83	17.77	17.74		
10	256QAM	1	49	17.79	17.68	17.70	17.67	17.72		
10	256QAM	25	0	17.85	17.78	17.94	17.81	17.80	19	5
10	256QAM	25	12	17.78	17.78	17.82	17.76	17.73		
10	256QAM	25	25	17.72	17.65	17.79	17.73	17.68		
10	256QAM	50	0	17.67	17.67	17.81	17.67	17.69		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.88	22.69	22.91	22.76	22.83	24.0	0
5	QPSK	1	12	22.79	22.75	22.90	22.79	22.70		
5	QPSK	12	0	22.75	22.67	22.72	22.73	22.75		
5	QPSK	12	0	21.77	21.79	21.89	21.73	21.84		
5	QPSK	12	7	21.68	21.80	21.80	21.71	21.69	23	1
5	QPSK	12	13	21.66	21.69	21.75	21.69	21.67		
5	QPSK	25	0	21.76	21.80	21.86	21.74	21.68		
5	16QAM	1	0	21.76	21.78	21.87	21.78	21.79		
5	16QAM	1	12	21.82	21.86	21.92	21.83	21.86	23	1
5	16QAM	1	24	21.76	21.67	21.67	21.81	21.80		
5	16QAM	12	0	20.76	20.78	20.88	20.82	20.83		
5	16QAM	12	7	20.73	20.78	20.87	20.76	20.73		
5	16QAM	12	13	20.67	20.71	20.69	20.70	20.73	22	2
5	16QAM	25	0	20.70	20.67	20.82	20.72	20.74		
5	64QAM	1	0	20.76	20.81	20.89	20.72	20.77		
5	64QAM	1	12	20.76	20.71	20.82	20.73	20.75		
5	64QAM	1	24	20.69	20.65	20.73	20.68	20.72	22	2
5	64QAM	12	0	19.77	19.84	19.89	19.82	19.78		
5	64QAM	12	7	19.78	19.67	19.81	19.72	19.75		
5	64QAM	12	13	19.66	19.68	19.77	19.68	19.69		
5	64QAM	25	0	19.70	19.68	19.78	19.73	19.71	21	3
5	64QAM	1	0	17.73	17.75	17.82	17.77	17.74		
5	256QAM	1	12	17.78	17.71	17.85	17.72	17.73		
5	256QAM	1	24	17.78	17.68	17.67	17.66	17.66		
5	256QAM	12	0	17.87	17.77	17.97	17.88	17.82	19	5
5	256QAM	12	7	17.77	17.82	17.88	17.75	17.69		
5	256QAM	12	13	17.66	17.66	17.75	17.73	17.70		
5	256QAM	25	0	17.67	17.72	17.74	17.63	17.75		

GSM1900 Ant2 DS10

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	661	810			512	661	810	
TX Channel	-	-	-	-	-	-	-	-
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	28.93	28.99	28.92	30.50	19.93	19.99	19.92	21.50
GPRS 1 Tx slot	28.84	28.94	28.81	30.50	19.84	19.94	19.81	21.50
GPRS 2 Tx slots	25.76	25.90	25.84	27.50	19.76	19.90	19.84	21.50
GPRS 3 Tx slots	24.03	24.11	24.00	26.00	19.77	19.85	19.74	21.74
GPRS 4 Tx slots	22.73	22.85	22.79	24.50	19.73	19.85	19.79	21.50
EDGE 1 Tx slot	24.72	24.86	24.80	26.00	15.72	15.86	15.80	17.00
EDGE 2 Tx slots	21.60	21.65	21.58	23.00	15.60	15.65	15.58	17.00
EDGE 3 Tx slots	19.63	19.72	19.60	21.00	15.37	15.46	15.34	16.74
EDGE 4 Tx slots	18.06	18.17	18.02	19.50	15.06	15.17	15.02	16.50

WCDMA II Ant2 DS10

WCDMA IV Ant2 DS10

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
TX Channel	9262	9400	9538		1312	1413	1513	
Rx Channel	9562	9800	9938		1537	1638	1738	
Frequency (MHz)	1632.4	1680	1707.6		1712.4	1732.6	1752.6	
3GPP Rel 99	18.74	19.74	19.72	21.50	20.74	21.68	21.00	22.50
3GPP Rel 99	19.80	19.92	19.70	21.50	20.82	21.17	20.99	22.50
3GPP Rel 6	18.85	18.77	18.73	20.50	19.87	20.03	19.79	21.50
3GPP Rel 6	18.87	18.79	18.67	20.50	19.96	20.16	19.84	21.50
3GPP Rel 6	18.33	18.45	18.26	20.00	19.47	19.72	19.40	21.00
3GPP Rel 6	18.33	18.36	18.12	20.00	19.43	19.62	19.26	21.00
3GPP Rel 8	18.79	18.82	18.66	20.50	19.90	20.09	19.89	21.50
3GPP Rel 8	18.79	18.81	18.67	20.50	19.97	20.17	19.79	21.50
3GPP Rel 8	18.34	18.37	18.22	20.00	19.48	19.56	19.43	21.00
3GPP Rel 8	18.32	18.35	18.09	20.00	19.39	19.57	19.26	21.00
3GPP Rel 6	18.75	18.83	18.64	20.50	20.00	20.06	19.85	21.50
3GPP Rel 6	16.78	16.79	16.66	18.50	17.99	18.09	17.80	19.50
3GPP Rel 6	17.81	17.80	17.68	19.50	19.08	19.05	18.77	20.50
3GPP Rel 6	16.82	16.77	16.74	18.50	17.99	18.09	17.86	19.50
3GPP Rel 6	18.79	18.84	18.72	20.50	19.98	20.15	19.79	21.50
3GPP Rel 7	16.25	16.35	16.32	18.00	17.54	17.64	17.56	19.00

Band 38 Ant2 DSI0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.34	20.36	20.32	21.5	0		
20	QPSK	1	49	20.24	20.30	20.28				
20	QPSK	1	99	20.21	20.22	20.17				
20	QPSK	50	0	20.26	20.31	20.24				
20	QPSK	50	24	20.18	20.23	20.17	21.5	0		
20	QPSK	50	50	20.17	20.15	20.14				
20	QPSK	100	0	20.15	20.26	20.15				
20	16QAM	1	0	20.32	20.30	20.29				
20	16QAM	1	49	20.21	20.27	20.22	21.5	0		
20	16QAM	1	99	20.16	20.22	20.10				
20	16QAM	50	0	20.22	20.26	20.20				
20	16QAM	50	24	20.15	20.17	20.14				
20	16QAM	50	50	20.15	20.14	20.09	21.5	0		
20	16QAM	100	0	20.13	20.20	20.10				
20	64QAM	1	0	20.27	20.28	20.26				
20	64QAM	1	49	20.21	20.24	20.21	21.5	0		
20	64QAM	1	99	20.20	20.18	20.15				
20	64QAM	50	0	20.22	20.24	20.21				
20	64QAM	50	24	20.11	20.22	20.15				
20	64QAM	50	50	20.16	20.10	20.07	21.5	0		
20	64QAM	100	0	20.13	20.20	20.15				
20	256QAM	1	0	18.26	18.42	18.27				
20	256QAM	1	49	18.21	18.30	18.20	19.5	2		
20	256QAM	1	99	18.23	18.08	18.22				
20	256QAM	50	0	18.23	18.37	18.26				
20	256QAM	50	24	18.19	18.32	18.22				
20	256QAM	50	50	18.16	18.24	18.20	19.5	2		
20	256QAM	100	0	18.19	18.23	18.20				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	20.24	20.23	20.18	21.5	0		
15	QPSK	1	37	20.17	20.20	20.14				
15	QPSK	1	74	20.17	20.16	20.12				
15	QPSK	36	0	20.21	20.28	20.14				
15	QPSK	36	20	20.14	20.17	20.04	21.5	0		
15	QPSK	36	39	20.11	20.04	20.08				
15	QPSK	75	0	20.12	20.22	20.06				
15	16QAM	1	0	20.28	20.18	20.24				
15	16QAM	1	37	20.11	20.13	20.17	21.5	0		
15	16QAM	1	74	20.07	20.19	20.07				
15	16QAM	36	0	20.08	20.19	20.11				
15	16QAM	36	20	20.07	20.05	20.01				
15	16QAM	36	39	20.11	20.02	20.03	21.5	0		
15	16QAM	75	0	20.05	20.05	20.05				
15	64QAM	1	0	20.16	20.18	20.22				
15	64QAM	1	37	20.14	20.13	20.06	21.5	0		
15	64QAM	1	74	20.08	20.04	20.04				
15	64QAM	36	0	20.16	20.10	20.15				
15	64QAM	36	20	20.02	20.12	20.09				
15	64QAM	36	39	20.05	19.96	19.94	21.5	0		
15	64QAM	75	0	20.06	20.08	20.08				
15	256QAM	1	0	18.16	18.32	18.17				
15	256QAM	1	37	18.16	18.23	18.10				
15	256QAM	1	74	18.19	17.99	18.16	19.5	2		
15	256QAM	36	0	18.20	18.23	18.16				
15	256QAM	36	20	18.09	18.24	18.09				
15	256QAM	36	39	18.04	18.19	18.15				
15	256QAM	75	0	18.09	18.16	18.16	19.5	2		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	20.20	20.24	20.22	21.5	0		
10	QPSK	1	25	20.20	20.27	20.19				
10	QPSK	1	49	20.09	20.15	20.10				
10	QPSK	25	0	20.21	20.17	20.17				
10	QPSK	25	12	20.04	20.17	20.05	21.5	0		
10	QPSK	25	25	20.03	20.03	20.00				
10	QPSK	50	0	20.01	20.13	20.08				
10	16QAM	1	0	20.22	20.23	20.18				
10	16QAM	1	25	20.09	20.18	20.17	21.5	0		
10	16QAM	1	49	20.02	20.12	19.98				
10	16QAM	25	0	20.16	20.16	20.06				
10	16QAM	25	12	20.08	20.06	20.01				
10	16QAM	25	25	20.06	20.10	20.05	21.5	0		
10	16QAM	50	0	20.00	20.16	19.95				
10	64QAM	1	0	20.16	20.15	20.22				
10	64QAM	1	25	20.09	20.16	20.13				
10	64QAM	1	49	20.14	20.03	20.10	21.5	0		
10	64QAM	25	0	20.09	20.18	20.09				
10	64QAM	25	12	20.02	20.15	20.03				
10	64QAM	25	25	20.02	20.01	19.99				
10	64QAM	50	0	20.07	20.10	20.10	19.5	2		
10	256QAM	1	0	18.12	18.29	18.15				
10	256QAM	1	25	18.07	18.27	18.06				
10	256QAM	1	49	18.12	17.95	18.12				
10	256QAM	25	0	18.13	18.28	18.18	19.5	2		
10	256QAM	25	12	18.15	18.20	18.12				
10	256QAM	25	25	18.10	18.12	18.05				
10	256QAM	50	0	18.12	18.16	18.16				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	20.25	20.24	20.28	21.5	0		
5	QPSK	1	12	20.13	20.19	20.24				
5	QPSK	1	24	20.12	20.07	20.03				
5	QPSK	12	0	20.12	20.25	20.12				
5	QPSK	12	7	20.15	20.09	20.12	21.5	0		
5	QPSK	12	13	20.11	20.08	20.02				
5	QPSK	25	0	20.03	20.13	20.05				
5	16QAM	1	0	20.22	20.16	20.23				
5	16QAM	1	12	20.11	20.22	20.17	21.5	0		
5	16QAM	1	24	20.08	20.18	20.01				
5	16QAM	12	0	20.17	20.17	20.14				
5	16QAM	12	7	20.02	20.14	20.05				
5	16QAM	12	13	20.06	20.03	20.02	21.5	0		
5	16QAM	25	0	20.05	20.13	19.95				
5	64QAM	1	0	20.19	20.15	20.12				
5	64QAM	1	12	20.17	20.13	20.14				
5	64QAM	1	24	20.15	20.09	20.09	21.5	0		
5	64QAM	12	0	20.12	20.13	20.15				
5	64QAM	12	7	20.03	20.12	20.01				
5	64QAM	12	13	20.06	19.97	19.96				
5	64QAM	25	0	20.08	20.10	20.01	19.5	2		
5	256QAM	1	0	18.16	18.35	18.17				
5	256QAM	1	12	18.10	18.15	18.12				
5	256QAM	1	24	18.12	18.01	18.09				
5	256QAM	12	0	18.09	18.31	18.16	19.5	2		
5	256QAM	12	7	18.08	18.22	18.09				
5	256QAM	12	13	18.11	18.16	18.12				
5	256QAM	25	0	18.06	18.12	18.13				

Band 41 Ant2 DS10										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.19	20.12	20.56	20.61	21.50	22	0
20	QPSK	1	49	20.04	20.18	20.54	20.72	21.49		
20	QPSK	1	99	20.10	20.24	20.35	20.43	21.23		
20	QPSK	50	0	20.00	20.04	20.56	20.39	21.41		
20	QPSK	50	24	20.04	20.09	20.47	20.57	21.40	22	0
20	QPSK	50	50	20.12	20.25	20.32	20.39	21.18		
20	QPSK	100	0	20.18	20.11	20.42	20.53	21.36		
20	16QAM	1	0	20.12	20.10	20.45	20.54	21.47		
20	16QAM	1	49	20.20	20.09	20.34	20.37	21.10	22	0
20	16QAM	1	99	20.07	20.00	20.39	20.42	21.29		
20	16QAM	50	0	20.19	20.10	20.41	20.56	21.40		
20	16QAM	50	24	20.08	20.22	20.15	20.31	21.18		
20	16QAM	50	50	20.11	20.03	20.42	20.60	21.24	22	0
20	16QAM	100	0	20.02	20.11	20.49	20.68	21.43		
20	64QAM	1	0	20.02	20.14	20.21	20.44	21.25		
20	64QAM	1	49	20.00	20.06	20.46	20.42	21.30		
20	64QAM	1	99	20.20	20.02	20.42	20.58	21.31	21.5	0.5
20	64QAM	50	0	19.67	19.67	20.08	20.15	20.91		
20	64QAM	50	24	20.08	19.73	20.04	20.18	20.92		
20	64QAM	50	50	19.51	19.64	19.88	20.03	20.72		
20	64QAM	100	0	19.80	19.66	19.94	20.15	20.90	19.5	2.5
20	256QAM	1	0	17.61	17.57	17.99	18.00	18.87		
20	256QAM	1	49	17.50	17.57	18.01	18.29	18.98		
20	256QAM	1	99	17.58	17.75	17.89	17.97	18.72		
20	256QAM	50	0	17.71	17.52	18.10	18.16	18.81	19.5	2.5
20	256QAM	50	24	17.79	17.63	18.14	18.01	18.92		
20	256QAM	50	50	17.74	17.68	17.93	18.19	18.98		
20	256QAM	100	0	17.53	17.85	17.75	17.90	18.62		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.19	20.14	20.54	20.52	21.41	22.00	0
15	QPSK	1	37	20.01	20.17	20.56	20.56	21.45		
15	QPSK	1	74	20.02	20.20	20.19	20.38	21.02		
15	QPSK	36	0	20.15	20.15	20.40	20.27	21.15		
15	QPSK	36	20	20.13	20.13	20.56	20.56	21.24	22	0
15	QPSK	36	39	20.00	20.09	20.39	20.50	21.20		
15	QPSK	75	0	20.14	20.02	20.39	20.51	21.39		
15	16QAM	1	0	20.13	20.06	20.27	20.56	21.39		
15	16QAM	1	37	20.22	20.02	20.33	20.37	21.08	22	0
15	16QAM	1	74	20.17	20.01	20.29	20.37	21.08		
15	16QAM	36	0	20.10	20.11	20.23	20.51	21.26		
15	16QAM	36	20	20.17	20.01	20.01	20.16	21.18		
15	16QAM	36	39	20.08	20.02	20.39	20.53	21.23	22	0
15	16QAM	75	0	20.19	20.08	20.46	20.66	21.36		
15	64QAM	1	0	20.00	20.13	20.16	20.28	21.27		
15	64QAM	1	37	20.00	20.12	20.33	20.44	21.26		
15	64QAM	1	74	20.18	20.17	20.35	20.51	21.11	21.5	0.5
15	64QAM	36	0	19.59	19.54	19.88	19.99	20.85		
15	64QAM	36	20	19.92	19.59	19.90	20.17	20.87		
15	64QAM	36	39	19.50	19.64	19.80	19.82	20.52		
15	64QAM	75	0	19.79	19.65	19.89	20.03	20.71	19.5	2.5
15	256QAM	1	0	17.60	17.55	17.97	17.79	18.67		
15	256QAM	1	37	17.52	17.56	17.81	18.25	18.88		
15	256QAM	1	74	17.59	17.63	17.75	17.97	18.64		
15	256QAM	36	0	17.59	17.52	18.08	18.08	18.70	19.5	2.5
15	256QAM	36	20	17.78	17.59	17.92	17.96	18.90		
15	256QAM	36	39	17.63	17.65	17.80	18.04	18.94		
15	256QAM	75	0	17.62	17.83	17.73	17.79	18.55		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.01	20.08	20.49	20.51	21.20	22.00	0
10	QPSK	1	25	20.08	20.17	20.39	20.73	21.34		
10	QPSK	1	49	20.16	20.17	20.20	20.43	21.21		
10	QPSK	25	0	20.08	20.19	20.44	20.21	21.23		
10	QPSK	25	12	20.04	20.11	20.28	20.43	21.34	22	0
10	QPSK	25	25	20.07	20.16	20.33	20.30	21.12		
10	QPSK	50	0	20.10	20.13	20.24	20.40	21.22		
10	16QAM	1	0	20.01	20.02	20.30	20.39	21.39		
10	16QAM	1	25	20.00	20.08	20.22	20.21	20.94	22	0
10	16QAM	1	49	20.07	20.04	20.37	20.33	21.25		
10	16QAM	25	0	20.19	20.09	20.37	20.41	21.19		
10	16QAM	25	12	20.06	20.08	20.18	20.13	20.99		
10	16QAM	25	25	20.14	20.04	20.33	20.45	21.11	22	0
10	16QAM	50	0	20.14	20.03	20.46	20.48	21.25		
10	64QAM	1	0	20.00	20.14	20.22	20.41	21.24		
10	64QAM	1	25	20.11	20.00	20.25	20.41	21.20		
10	64QAM	1	49	20.16	20.06	20.26	20.48	21.28	22	0
10	64QAM	25	0	19.65	19.52	19.91	20.00	20.87		
10	64QAM	25	12	19.80	19.54	19.92	20.07	20.78		
10	64QAM	25	25	19.99	19.54	19.89	20.02	20.65		
10	64QAM	50	0	19.71	19.69	19.73	20.01	20.70	19.5	0.5
10	256QAM	1	0	17.56	17.57	17.84	17.82	18.88		
10	256QAM	1	25	17.77	17.50	17.84	18.13	18.89		
10	256QAM	1	49	17.53	17.60	17.73	17.94	18.58		
10	256QAM	25	0	17.67	17.60	17.89	17.96	18.68	19.5	2.5
10	256QAM	25	12	17.60	17.62	18.00	17.83	18.75		
10	256QAM	25	25	17.75	17.62	17.83	18.12	18.80		
10	256QAM	50	0	17.53	17.70	17.54	17.70	18.42		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.14	20.16	20.40	20.50	21.21	22.00	0
5	QPSK	1	12	20.18	20.09	20.55	20.60	21.47		
5	QPSK	1	24	20.12	20.06	20.23	20.21	20.66		
5	QPSK	12	0	20.17	20.14	20.52	20.23	21.09		
5	QPSK	12	7	20.10	20.08	20.28	20.47	21.26	22	0
5	QPSK	12	13	20.10	20.12	20.23	20.28	21.10		
5	QPSK	25	0	20.10	20.09	20.22	20.37	21.28		
5	16QAM	1	0	20.15	20.00	20.42	20.56	21.27		
5	16QAM	1	12	20.00	20.00	20.30	20.17	21.06	22	0
5	16QAM	1	24	20.02	20.01	20.39	20.23	21.27		
5	16QAM	12	0	20.08	20.10	20.34	20.41	21.21		
5	16QAM	12	7	20.02	20.18	20.13	20.17	21.19		
5	16QAM	12	13	20.10	20.16	20.26	20.47	21.18	22	0
5	16QAM	25	0	20.01	20.08	20.44	20.56	21.24		
5	64QAM	1	0	20.13	20.16	20.13	20.39	21.08		
5	64QAM	1	12	20.01	20.03	20.29	20.41	21.15		
5	64QAM	1	24	20.05	20.12	20.44	20.57	21.30	22	0
5	64QAM	12	0	19.50	19.57	19.96	19.99	20.75		
5	64QAM	12	7	19.94	19.66	19.83	20.20	20.89		
5	64QAM	12	13	19.59	19.59	19.89	19.95	20.52		
5	256QAM	25	0	19.67	19.52	19.91	20.01	20.68	19.5	2.5
5	256QAM	1	0	17.54	17.50	17.91	17.85	18.78		
5	256QAM	1	12	17.50	17.60	17.88	18.19	18.79		
5	256QAM	1	24	17.69	17.60	17.74	17.88	18.56		
5	256QAM	12	0	17.68	17.53	17.98	18.04	18.72	19.5	2.5
5	256QAM	12	7	17.80	17.57	18.05	18.01	18.91		
5	256QAM	12	13	17.66	17.58	17.74	18.00	18.85		
5	256QAM	25	0	17.59	17.79	17.67	17.84	18.49		



Band 4 Ant5 Default																		
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MFR (dB)										
Channel																		
Frequency (MHz)																		
20	QPSK	1	0	22.55	22.64	22.61	24	0										
20	QPSK	1	49	22.59	22.62	22.57												
20	QPSK	50	5	21.53	21.63	21.59												
20	QPSK	50	24	21.57	21.61	21.60												
20	QPSK	100	0	21.49	21.58	21.54												
20	16QAM	1	0	21.57	21.62	21.65	23	1										
20	16QAM	1	49	21.59	21.63	21.63												
20	16QAM	1	99	21.54	21.60	21.57												
20	16QAM	50	0	20.53	20.58	20.48												
20	16QAM	50	24	20.62	20.56	20.56												
20	16QAM	50	50	20.54	20.58	20.60	22	2										
20	16QAM	100	0	20.43	20.58	20.52												
20	64QAM	1	0	20.62	20.56	20.71												
20	64QAM	1	49	20.53	20.62	20.65												
20	64QAM	1	99	20.59	20.57	20.59												
20	64QAM	50	0	19.52	19.54	19.45	19	5										
20	64QAM	50	24	19.51	19.69	19.59												
20	64QAM	50	50	19.54	19.65	19.57												
20	256QAM	1	0	17.52	17.65	17.66												
20	256QAM	1	49	17.48	17.64	17.66												
20	256QAM	1	99	17.63	17.60	17.64	19	5										
20	256QAM	50	0	17.49	17.60	17.50												
20	256QAM	50	24	17.67	17.75	17.55												
20	256QAM	50	50	17.57	17.68	17.52												
20	256QAM	100	0	17.54	17.67	17.62												
Channel																		
Frequency (MHz)																		
15	QPSK	1	0	22.48	22.45	22.43	24	0										
15	QPSK	1	97	22.49	22.49	22.43												
15	QPSK	1	74	22.44	22.44	22.45												
15	QPSK	50	0	21.48	21.52	21.44												
15	QPSK	50	20	21.48	21.54	21.47												
15	QPSK	36	39	21.44	21.48	21.51	23	1										
15	QPSK	75	0	21.39	21.46	21.42												
15	16QAM	1	0	21.48	21.48	21.54												
15	16QAM	1	37	21.53	21.55	21.58												
15	16QAM	1	74	21.45	21.47	21.53												
15	16QAM	50	0	20.49	20.52	20.38	22	2										
15	16QAM	50	20	20.57	20.61	20.50												
15	16QAM	36	39	20.50	20.46	20.52												
15	16QAM	75	0	20.39	20.47	20.48												
15	64QAM	1	0	20.41	20.47	20.57												
15	64QAM	1	37	20.47	20.50	20.50	22	2										
15	64QAM	1	74	20.52	20.45	20.45												
15	64QAM	50	0	19.42	19.46	19.35												
15	64QAM	50	20	19.53	19.55	19.52												
15	64QAM	36	39	19.40	19.54	19.48												
15	256QAM	1	0	17.45	17.47	17.55	19	5										
15	256QAM	1	37	17.44	17.53	17.51												
15	256QAM	1	74	17.54	17.55	17.58												
15	256QAM	50	0	17.35	17.58	17.41												
15	256QAM	50	20	17.58	17.47	17.43												
15	256QAM	36	39	17.45	17.58	17.48	19	5										
15	256QAM	75	0	17.40	17.59	17.48												
Channel																		
Frequency (MHz)																		
10	QPSK	1	0	22.50	22.55	22.57	24	0										
10	QPSK	1	25	22.51	22.56	22.49												
10	QPSK	1	49	22.35	22.42	22.45												
10	QPSK	25	5	21.47	21.55	21.40												
10	QPSK	25	12	21.52	21.50	21.51												
10	QPSK	25	20	21.40	21.46	21.47	23	1										
10	QPSK	50	5	21.43	21.55	21.38												
10	16QAM	1	0	21.48	21.49	21.51												
10	16QAM	1	26	21.52	21.51	21.57												
10	16QAM	1	49	21.40	21.49	21.48												
10	16QAM	25	0	20.46	20.50	20.40	22	2										
10	16QAM	25	12	20.53	20.50	20.53												
10	16QAM	25	20	20.43	20.45	20.52												
10	16QAM	50	0	20.40	20.52	20.37												
10	64QAM	1	0	20.46	20.54	20.62												
10	64QAM	1	25	20.46	20.51	20.61	22	2										
10	64QAM	1	49	20.50	20.48	20.50												
10	64QAM	25	0	19.39	19.49	19.39												
10	64QAM	25	12	19.52	19.64	19.54												
10	64QAM	25	20	19.48	19.61	19.43												
10	256QAM	1	0	17.46	17.44	17.62	19	5										
10	256QAM	1	25	17.45	17.44	17.62												
10	256QAM	1	49	17.53	17.56	17.60												
10	256QAM	25	0	17.38	17.48	17.48												
10	256QAM	25	12	17.53	17.64	17.47												
10	256QAM	25	20	17.50	17.53	17.46	19	5										
10	256QAM	50	0	17.46	17.61	17.39												
Channel																		
Frequency (MHz)																		
5	QPSK	1	0	22.52	22.54	22.58	24	0										
5	QPSK	1	12	22.51	22.51	22.49												
5	QPSK	1	24	22.44	22.47	22.46												
5	QPSK	12	0	21.46	21.49	21.41												
5	QPSK	12	7	21.48	21.48	21.53												
5	QPSK	12	13	21.46	21.52	21.41	23	1										
5	QPSK	25	0	21.40	21.49	21.42												
5	16QAM	1	0	21.47	21.52	21.55												
5	16QAM	1	12	21.44	21.56	21.55												
5	16QAM	1	24	21.48	21.53	21.54												
5	16QAM	12	0	20.50	20.54	20.40	22	2										
5	16QAM	12	7	20.54	20.53	20.60												
5	16QAM	12	13	20.46	20.48	20.55												
5	16QAM	25	0	20.33	20.44	20.45												
5	16QAM	25	7	20.39	20.55	20.38												
5	16QAM	25	12	20.50	20.52	20.50	22	2										
5	16QAM	25	20	20.42	20.46	20.51												
5	16QAM	50	0	19.40	19.45	19.35												
5	16QAM	50	12	19.53	19.67	19.48												
5	16QAM	50	20	19.43	19.52	19.41												
5	256QAM	1	0	17.46	17.44	17.62	19	5										
5	256QAM	1	12	17.38	17.55	17.52												
5	256QAM	1	24	17.55	17.48	17.58												
5	256QAM	12	0	17.45	17.48	17.60												
5	256QAM	12	7	17.58	17.63	17.63												
5	256QAM	12	13	17.52	17.61	17.44	19	5										
5	256QAM	25	0	17.38	17.58	17.48												
Channel																		
Frequency (MHz)																		
1.4	QPSK	1	0	22.51	22.51	22.53	24	0										
1.4	QPSK	1	14	22.45	22.45	22.47												
1.4	QPSK	1	8	21.40	21.40	21.46												
1.4	QPSK	3	0	21.47	21.45	21.47												
1.4	QPSK	3	8	21.45	21.48	21.46												
1.4	QPSK	15	0	21.34	21.51	21.37	23	1										
1.4	QPSK	15	8	21.42	21.42	21.48												
1.4	QPSK	1	6	21.52	21.53	21.48												
1.4	16QAM	1	14	21.41	21.55	21.45												
1.4	16QAM	1	8	20.50	20.58	20.48												
1.4	16QAM	8	7	20.50	20.48	20.50	22	2										
1.4	16QAM	8	0	20.46	20.46	20.50												
1.4	16QAM	1	0	20.39	20.49	20.57												
1.4	16QAM	1	8	20.48	20.49	20.56												
1.4	16QAM	8	0	19.39	19.40	19.31												
1.4	16QAM	8	0	19.53	19.58	19.51	21	3										
1.4	16QAM	8	8	19.53	19.58	19.51												
1.4	16QAM	15	0	19.41	19.58	19.50												
1.4	16QAM	1	0	17.40	17.48	17.54												
1.4	16QAM	1	8	17.51	17.54	17.58												
1.4	256QAM	1	14	17.51	17.54	17.50	19	5										
1.4	256QAM	1	8	17.39	17.48	17.36												
1.4	256QAM	1	0	17.46	17.46	17.50												
1.4	256QAM	8	7	17.50	17.55	17.44												
1.4	256QAM	15	0	17.48	17.61	17.39												
Channel																		
Frequency (MHz)																		
1.4	QPSK	1	0	22.41	22.55	22.56	24	0										
1.4	QPSK	1	3	22.45	22.45	22.51												
1.4	QPSK	3	0	21.43	21.49	21.43												
1.4	QPSK	3	8	21.43	21.48	21.46												
1.4	QPSK	6	0	21.43	21.48	21.39												
1.4	16QAM	1	0	21.47	21.58	21.52	23	1										
1.4	16QAM	1	8	21.49	21.52	21.53												
1.4	16QAM	1	5	21.46	21.53	21.45												
1.4	16QAM	3	0	21.47	21.53	21.48												
1.4	16QAM	3	8	21.43	21.44	21.46												
1.4	16QAM	6	0	20.39	20.45	20.38	22	2										
1.4	16QAM	6	8	20.52	20.56	20.45												
1.4	16QAM	1	0	20.41	20.49	20.41												
1.4	16QAM	1	8	20.48	20.50	20.47												
1.4	16QAM	3	0	20.47	20.55	20.47												
1.4	16QAM	3	8	20.50	20.54	20.47	21	3										
1.4	16QAM	6	0	19.47	19.53	19.47												
1.4	16QAM	1	0	17.46	17.43	17.50												
1.4	16QAM	1	3	17.35	17.50	17.52												
1.4	16QAM	1	8	17.51	17.53	17.58												
1.4	256QAM	1	14	17.51	17.54	17.54	19	5										
1.4	256QAM	1	8	17.49	17.46	17.48												
1.4	256QAM	3	0	17.61	17.65	17.48												
1.4	256QAM	3	8	17.49	17.56	17.44												
1.4	256QAM	6	0	17.51	17.57	17.43												

Band 38 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.78	22.86	22.80	24	0	
20	QPSK	1	49	22.69	22.82	22.78			
20	QPSK	1	99	22.66	22.67	22.62			
20	QPSK	50	0	21.76	21.82	21.70			
20	QPSK	50	24	21.73	21.77	21.64	23	1	
20	QPSK	50	50	21.63	21.73	21.63			
20	QPSK	100	0	21.69	21.73	21.63			
20	16QAM	1	0	21.66	21.80	21.75			
20	16QAM	1	49	21.78	21.82	21.72	23	1	
20	16QAM	1	99	21.65	21.70	21.66			
20	16QAM	50	0	20.71	20.83	20.75			
20	16QAM	50	24	20.70	20.79	20.72			
20	16QAM	50	50	20.74	20.83	20.69	22	2	
20	16QAM	100	0	20.79	20.93	20.89			
20	64QAM	1	0	20.61	20.66	20.68			
20	64QAM	1	49	20.62	20.67	20.63			
20	64QAM	1	99	20.66	20.74	20.65	22	2	
20	64QAM	50	0	19.81	19.95	19.80			
20	64QAM	50	24	19.82	19.89	19.75			
20	64QAM	50	50	19.66	19.77	19.71			
20	64QAM	100	0	19.85	19.90	19.82	21	3	
20	256QAM	1	0	17.62	17.72	17.67			
20	256QAM	1	49	17.70	17.79	17.68			
20	256QAM	1	99	17.76	17.86	17.74			
20	256QAM	50	0	17.82	17.95	17.89	19	5	
20	256QAM	50	24	17.81	17.86	17.74			
20	256QAM	50	50	17.68	17.75	17.61			
20	256QAM	100	0	17.86	17.91	17.88			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.76	22.85	22.82	24	0	
15	QPSK	1	37	22.61	22.79	22.83			
15	QPSK	1	74	22.65	22.64	22.61			
15	QPSK	36	0	21.78	21.82	21.68			
15	QPSK	36	20	21.70	21.77	21.65	23	1	
15	QPSK	36	39	21.67	21.71	21.66			
15	QPSK	75	0	21.66	21.75	21.66			
15	16QAM	1	0	21.68	21.79	21.81			
15	16QAM	1	37	21.80	21.80	21.69	23	1	
15	16QAM	1	74	21.61	21.67	21.64			
15	16QAM	36	0	20.71	20.86	20.80			
15	16QAM	36	20	20.67	20.81	20.69			
15	16QAM	36	39	20.79	20.90	20.66	22	2	
15	16QAM	75	0	20.86	20.99	20.93			
15	64QAM	1	0	20.68	20.71	20.69			
15	64QAM	1	37	20.66	20.71	20.64			
15	64QAM	1	74	20.68	20.76	20.61	22	2	
15	64QAM	36	0	19.85	19.94	19.81			
15	64QAM	36	20	19.80	19.88	19.78			
15	64QAM	36	39	19.71	19.75	19.77			
15	64QAM	75	0	19.89	19.94	19.82	21	3	
15	256QAM	1	0	17.68	17.69	17.66			
15	256QAM	1	37	17.70	17.84	17.74			
15	256QAM	1	74	17.80	17.86	17.74			
15	256QAM	36	0	17.86	17.96	17.89	19	5	
15	256QAM	36	20	17.87	17.91	17.69			
15	256QAM	36	39	17.69	17.72	17.63			
15	256QAM	75	0	17.92	17.92	17.94			
Channel				37860	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.71	22.78	22.76	24	0	
10	QPSK	1	25	22.65	22.77	22.73			
10	QPSK	1	49	22.63	22.67	22.64			
10	QPSK	25	0	21.76	21.78	21.72			
10	QPSK	25	12	21.66	21.80	21.61	23	1	
10	QPSK	25	25	21.65	21.78	21.68			
10	QPSK	50	0	21.71	21.73	21.63			
10	16QAM	1	0	21.66	21.75	21.74			
10	16QAM	1	25	21.76	21.83	21.70	23	1	
10	16QAM	1	49	21.62	21.67	21.64			
10	16QAM	25	0	20.72	20.83	20.70			
10	16QAM	25	12	20.64	20.75	20.68			
10	16QAM	25	25	20.71	20.77	20.62	22	2	
10	16QAM	50	0	20.77	20.89	20.86			
10	64QAM	1	0	20.62	20.65	20.61			
10	64QAM	1	25	20.67	20.66	20.62			
10	64QAM	1	49	20.65	20.79	20.66	22	2	
10	64QAM	25	0	19.78	19.97	19.75			
10	64QAM	25	12	19.76	19.87	19.72			
10	64QAM	25	25	19.66	19.80	19.66			
10	64QAM	50	0	19.87	19.89	19.75	21	3	
10	256QAM	1	0	17.63	17.72	17.65			
10	256QAM	1	25	17.72	17.76	17.71			
10	256QAM	1	49	17.77	17.89	17.73			
10	256QAM	25	0	17.84	17.92	17.94	19	5	
10	256QAM	25	12	17.82	17.90	17.69			
10	256QAM	25	25	17.62	17.69	17.61			
10	256QAM	50	0	17.80	17.89	17.83			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.68	22.76	22.70	24	0	
5	QPSK	1	12	22.63	22.82	22.82			
5	QPSK	1	24	22.66	22.63	22.64			
5	QPSK	12	0	21.66	21.73	21.66			
5	QPSK	12	7	21.68	21.70	21.62	23	1	
5	QPSK	12	13	21.61	21.64	21.63			
5	QPSK	25	0	21.68	21.62	21.68			
5	16QAM	1	0	21.66	21.70	21.71			
5	16QAM	1	12	21.72	21.82	21.64	23	1	
5	16QAM	1	24	21.65	21.62	21.61			
5	16QAM	12	0	20.71	20.73	20.64			
5	16QAM	12	7	20.63	20.68	20.67			
5	16QAM	12	13	20.64	20.79	20.63	22	2	
5	16QAM	25	0	20.77	20.85	20.80			
5	64QAM	1	0	20.64	20.69	20.65			
5	64QAM	1	12	20.63	20.68	20.64			
5	64QAM	1	24	20.65	20.68	20.67	22	2	
5	64QAM	12	0	19.73	19.92	19.74			
5	64QAM	12	7	19.72	19.79	19.67			
5	64QAM	12	13	19.68	19.73	19.70			
5	64QAM	25	0	19.75	19.83	19.81	21	3	
5	256QAM	1	0	17.71	17.65	17.62			
5	256QAM	1	12	17.69	17.73	17.64			
5	256QAM	1	24	17.66	17.82	17.67			
5	256QAM	12	0	17.72	17.90	17.78	19	5	
5	256QAM	12	7	17.82	17.79	17.64			
5	256QAM	12	13	17.68	17.67	17.62			
5	256QAM	25	0	17.77	17.86	17.79			

Band 41 Ant5 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.46	22.58	22.79	22.54	22.67	24	0
20	QPSK	1	49	22.51	22.63	22.71	22.67	22.58		
20	QPSK	1	99	22.42	22.54	22.63	22.52	22.54		
20	QPSK	50	0	21.56	21.61	21.69	21.57	21.61		
20	QPSK	50	24	21.48	21.56	21.67	21.64	21.56	23	1
20	QPSK	50	50	21.48	21.56	21.60	21.56	21.54		
20	QPSK	100	0	21.46	21.59	21.63	21.56	21.61		
20	16QAM	1	0	21.48	21.58	21.65	21.52	21.61		
20	16QAM	1	49	21.49	21.54	21.52	21.59	21.65	23	1
20	16QAM	1	99	21.41	21.59	21.63	21.56	21.50		
20	16QAM	50	0	20.51	20.67	20.74	20.67	20.61		
20	16QAM	50	24	20.48	20.59	20.66	20.57	20.60		
20	16QAM	50	50	20.41	20.56	20.61	20.55	20.58	22	2
20	16QAM	100	0	20.57	20.59	20.73	20.61	20.60		
20	64QAM	1	0	20.48	20.52	20.58	20.51	20.55		
20	64QAM	1	49	20.44	20.62	20.61	20.54	20.58		
20	64QAM	1	99	20.48	20.54	20.87	20.63	20.52	21	3
20	64QAM	50	0	19.62	19.63	19.76	19.71	19.67		
20	64QAM	50	24	19.45	19.56	19.64	19.51	19.60		
20	64QAM	50	50	19.40	19.51	19.59	19.55	19.52		
20	64QAM	100	0	19.46	19.56	19.61	19.57	19.50	19	5
20	256QAM	1	0	17.47	17.56	17.64	17.61	17.53		
20	256QAM	1	49	17.49	17.56	17.53	17.57	17.59		
20	256QAM	1	99	17.45	17.64	17.69	17.56	17.63		
20	256QAM	50	0	17.57	17.72	17.77	17.68	17.62	19	5
20	256QAM	50	24	17.43	17.62	17.62	17.54	17.55		
20	256QAM	50	50	17.50	17.58	17.68	17.55	17.53		
20	256QAM	100	0	17.53	17.62	17.74	17.71	17.61		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.45	22.52	22.70	22.62	22.61	24.00	0
15	QPSK	1	37	22.57	22.58	22.63	22.63	22.50		
15	QPSK	1	74	22.47	22.57	22.66	22.55	22.58		
15	QPSK	36	0	21.52	21.66	21.73	21.59	21.64		
15	QPSK	36	20	21.47	21.62	21.74	21.69	21.68	23	1
15	QPSK	36	39	21.44	21.58	21.64	21.61	21.59		
15	QPSK	75	0	21.45	21.65	21.69	21.59	21.66		
15	16QAM	1	0	21.44	21.61	21.68	21.56	21.63		
15	16QAM	1	37	21.47	21.58	21.55	21.64	21.71	23	1
15	16QAM	1	74	21.47	21.65	21.66	21.60	21.56		
15	16QAM	36	0	20.57	20.70	20.78	20.73	20.66		
15	16QAM	36	20	20.44	20.62	20.71	20.61	20.65		
15	16QAM	36	39	20.42	20.59	20.63	20.60	20.63	22	2
15	16QAM	75	0	20.60	20.64	20.78	20.66	20.65		
15	64QAM	1	0	20.47	20.55	20.61	20.55	20.60		
15	64QAM	1	37	20.47	20.65	20.64	20.60	20.59		
15	64QAM	1	74	20.49	20.58	20.70	20.66	20.58	22	2
15	64QAM	36	0	19.63	19.66	19.81	19.76	19.73		
15	64QAM	36	20	19.46	19.62	19.70	19.55	19.64		
15	64QAM	36	39	19.41	19.55	19.61	19.61	19.54		
15	64QAM	75	0	19.46	19.60	19.65	19.60	19.56	21	3
15	256QAM	1	0	17.49	17.62	17.67	17.67	17.56		
15	256QAM	1	37	17.41	17.62	17.58	17.59	17.64		
15	256QAM	1	74	17.45	17.70	17.74	17.60	17.68		
15	256QAM	36	0	17.55	17.78	17.83	17.74	17.67	19	5
15	256QAM	36	20	17.41	17.67	17.66	17.57	17.59		
15	256QAM	36	39	17.51	17.62	17.71	17.58	17.58		
15	256QAM	75	0	17.49	17.66	17.80	17.76	17.66		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.49	22.51	22.67	22.59	22.61	24.00	0
10	QPSK	1	25	22.57	22.56	22.63	22.61	22.53		
10	QPSK	1	49	22.43	22.60	22.66	22.54	22.57		
10	QPSK	25	0	21.57	21.66	21.74	21.61	21.65		
10	QPSK	25	12	21.44	21.59	21.72	21.67	21.61	23	1
10	QPSK	25	25	21.44	21.61	21.64	21.61	21.58		
10	QPSK	50	0	21.48	21.63	21.68	21.61	21.63		
10	16QAM	1	0	21.51	21.61	21.69	21.57	21.64		
10	16QAM	1	25	21.47	21.59	21.54	21.63	21.69	23	1
10	16QAM	1	49	21.41	21.64	21.68	21.62	21.54		
10	16QAM	25	0	20.51	20.72	20.79	20.72	20.67		
10	16QAM	25	12	20.47	20.61	20.68	20.60	20.65		
10	16QAM	25	25	20.47	20.61	20.95	20.88	20.81	22	2
10	16QAM	50	0	20.56	20.64	20.78	20.64	20.63		
10	64QAM	1	0	20.42	20.56	20.61	20.56	20.59		
10	64QAM	1	25	20.49	20.65	20.63	20.58	20.60		
10	64QAM	1	49	20.54	20.58	20.70	20.66	20.55	22	2
10	64QAM	25	0	19.61	19.69	19.79	19.76	19.69		
10	64QAM	25	12	19.43	19.58	19.70	19.54	19.64		
10	64QAM	25	25	19.49	19.53	19.62	19.58	19.55		
10	64QAM	50	0	19.44	19.61	19.66	19.61	19.52	21	3
10	256QAM	1	0	17.45	17.58	17.66	17.65	17.58		
10	256QAM	1	25	17.48	17.59	17.57	17.60	17.64		
10	256QAM	1	49	17.46	17.68	17.72	17.61	17.67		
10	256QAM	25	0	17.56	17.77	17.80	17.74	17.68	19	5
10	256QAM	25	12	17.41	17.68	17.66	17.58	17.57		
10	256QAM	25	25	17.57	17.63	17.74	17.60	17.57		
10	256QAM	50	0	17.48	17.65	17.77	17.75	17.65		
Channel				39675	40148	40620	41093	41555	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.44	22.52	22.69	22.58	22.61	24.00	0
5	QPSK	1	12	22.40	22.57	22.63	22.59	22.53		
5	QPSK	1	24	22.44	22.57	22.68	22.58	22.57		
5	QPSK	12	0	21.54	21.63	21.73	21.62	21.65		
5	QPSK	12	7	21.55	21.62	21.70	21.68	21.62	23	1
5	QPSK	12	13	21.47	21.60	21.63	21.59	21.60		
5	QPSK	25	0	21.48	21.63	21.66	21.61	21.66		
5	16QAM	1	0	21.50	21.64	21.69	21.57	21.66		
5	16QAM	1	12	21.46	21.59	21.56	21.64	21.69	23	1
5	16QAM	1	24	21.49	21.64	21.67	21.60	21.54		
5	16QAM	12	0	20.49	20.72	20.76	20.72	20.64		
5	16QAM	12	7	20.47	20.62	20.71	20.62	20.64		
5	16QAM	12	13	20.42	20.61	20.65	20.58	20.62	22	2
5	16QAM	25	0	20.57	20.64	20.77	20.64	20.65		
5	64QAM	1	0	20.43	20.57	20.62	20.55	20.58		
5	64QAM	1	12	20.41	20.67	20.66	20.58	20.58		
5	64QAM	1	24	20.50	20.57	20.73	20.66	20.55	22	2
5	64QAM	12	0	19.68	19.68	19.80	19.76	19.71		
5	64QAM	12	7	19.43	19.59	19.66	19.54	19.64		
5	64QAM	12	13	19.41	19.54	19.64	19.58	19.57		
5	64QAM	25	0	19.43	19.58	19.67	19.60	19.56	21	3
5	256QAM	1	0	17.47	17.61	17.68	17.64	17.59		
5	256QAM	1	12	17.41	17.60	17.59	17.61	17.62		
5	256QAM	1	24	17.49	17.66	17.72	17.61	17.69		
5	256QAM	12	0	17.56	17.74	17.81	17.71	17.66	19	5
5	256QAM	12	7	17.49	17.66	17.68	17.60	17.58		
5	256QAM	12	13	17.50	17.61	17.70	17.59	17.59		
5	256QAM	25	0	17.54	17.56	17.67	17.64	17.53		

Reduced Power Mode for DSI 1_Main PA

GSM850 Ant0 Default									
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	198	251		128	198	251	
Frequency (MHz)		824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot		33.15	33.18	33.08	34.00	24.15	24.18	24.08	25.00
GPRS 1 Tx slot		33.10	33.15	33.02	34.00	24.10	24.15	24.02	25.00
GPRS 2 Tx slots		30.10	30.17	30.09	31.00	24.10	24.17	24.09	25.00
GPRS 3 Tx slots		28.26	28.34	28.28	29.50	24.00	24.08	24.02	25.24
GPRS 4 Tx slots		26.80	26.91	26.85	28.00	23.80	23.91	23.85	25.00
EDGE 1 Tx slot		27.13	27.18	27.09	27.50	18.13	18.18	18.09	18.50
EDGE 2 Tx slots		24.21	24.29	24.24	24.50	18.21	18.29	18.24	18.50
EDGE 3 Tx slots		22.27	22.30	22.26	22.50	18.01	18.04	18.00	18.24
EDGE 4 Tx slots		20.88	20.96	20.91	21.50	17.88	17.96	17.91	18.50
GSM1900 Ant0 DSI1									
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot		27.04	27.16	27.06	28.00	18.04	18.16	18.06	19.00
GPRS 1 Tx slot		27.05	27.11	26.99	28.00	18.05	18.11	17.99	19.00
GPRS 2 Tx slots		23.96	24.03	23.99	25.00	17.96	18.03	17.99	19.00
GPRS 3 Tx slots		22.21	22.29	22.19	23.50	17.95	18.03	17.93	19.24
GPRS 4 Tx slots		21.00	21.06	20.97	22.00	18.00	18.06	17.97	19.00
EDGE 1 Tx slot		22.81	22.89	22.79	23.50	13.81	13.89	13.79	14.50
EDGE 2 Tx slots		19.43	19.58	19.53	20.50	13.43	13.58	13.53	14.50
EDGE 3 Tx slots		17.58	17.65	17.57	18.50	13.32	13.39	13.31	14.24
EDGE 4 Tx slots		16.00	16.11	16.01	17.00	13.00	13.11	13.01	14.00
WCDMA II Ant0 DSI1									
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
RX Channel		9662	9800	9938	(dBm)	1637	1639	1738	(dBm)
Frequency (MHz)		1852.4	1880	1907.6	(dBm)	1712.4	1732.6	1752.6	(dBm)
3GPP Rel 99 AMR 12.2Kbps		20.93	21.01	20.90	21.50	18.82	18.98	18.92	20.00
3GPP Rel 99 RMC 12.2Kbps		20.95	21.18	21.06	21.50	18.83	19.04	18.96	20.00
3GPP Rel 6 HSDPA Subtest-1		20.03	20.15	19.90	20.50	17.93	18.08	17.94	19.00
3GPP Rel 6 HSDPA Subtest-2		19.97	20.14	19.91	20.50	17.83	18.01	17.92	19.00
3GPP Rel 6 HSDPA Subtest-3		19.51	19.65	19.38	20.00	17.39	17.53	17.39	18.50
3GPP Rel 6 HSDPA Subtest-4		19.43	19.48	19.42	20.00	17.37	17.62	17.35	18.50
3GPP Rel 6 DC-HSDPA Subtest-1		20.00	20.12	19.98	20.50	17.86	18.19	18.03	19.00
3GPP Rel 6 DC-HSDPA Subtest-2		19.93	20.11	19.96	20.50	17.82	18.10	18.02	19.00
3GPP Rel 6 DC-HSDPA Subtest-3		19.56	19.78	19.35	20.00	17.53	17.62	17.43	18.50
3GPP Rel 6 DC-HSDPA Subtest-4		19.51	19.56	19.55	20.00	17.37	17.62	17.40	18.50
3GPP Rel 6 HSUPA Subtest-1		19.86	20.13	20.01	20.50	17.83	18.02	17.98	19.00
3GPP Rel 6 HSUPA Subtest-2		18.02	18.09	17.91	18.50	15.77	15.91	16.00	17.00
3GPP Rel 6 HSUPA Subtest-3		19.03	19.18	18.90	19.50	16.86	17.05	17.00	18.00
3GPP Rel 6 HSUPA Subtest-4		17.99	18.08	17.93	18.50	15.85	16.06	15.92	17.00
3GPP Rel 6 HSUPA Subtest-5		20.02	20.09	19.99	20.50	17.88	18.02	17.94	19.00
3GPP Rel 7 WSPA+ (LQAM) Subtest-1		17.48	17.56	17.51	18.00	15.34	15.64	15.54	16.50
WCDMA V Ant0 Default									
Band		WCDMA V			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233		4132	4182	4233	
RX Channel		4557	4607	4658	(dBm)	4557	4607	4658	(dBm)
Frequency (MHz)		826.4	836.4	846.6	(dBm)	826.4	836.4	846.6	(dBm)
3GPP Rel 99 AMR 12.2Kbps		20.93	21.01	20.90	21.50	18.82	18.98	18.92	20.00
3GPP Rel 99 RMC 12.2Kbps		20.95	21.18	21.06	21.50	18.83	19.04	18.96	20.00
3GPP Rel 6 HSDPA Subtest-1		20.03	20.15	19.90	20.50	17.93	18.08	17.94	19.00
3GPP Rel 6 HSDPA Subtest-2		19.97	20.14	19.91	20.50	17.83	18.01	17.92	19.00
3GPP Rel 6 HSDPA Subtest-3		19.51	19.65	19.38	20.00	17.39	17.53	17.39	18.50
3GPP Rel 6 HSDPA Subtest-4		19.43	19.48	19.42	20.00	17.37	17.62	17.35	18.50
3GPP Rel 6 DC-HSDPA Subtest-1		20.00	20.12	19.98	20.50	17.86	18.19	18.03	19.00
3GPP Rel 6 DC-HSDPA Subtest-2		19.93	20.11	19.96	20.50	17.82	18.10	18.02	19.00
3GPP Rel 6 DC-HSDPA Subtest-3		19.56	19.78	19.35	20.00	17.53	17.62	17.43	18.50
3GPP Rel 6 DC-HSDPA Subtest-4		19.51	19.56	19.55	20.00	17.37	17.62	17.40	18.50
3GPP Rel 6 HSUPA Subtest-1		19.86	20.13	20.01	20.50	17.83	18.02	17.98	19.00
3GPP Rel 6 HSUPA Subtest-2		18.02	18.09	17.91	18.50	15.77	15.91	16.00	17.00
3GPP Rel 6 HSUPA Subtest-3		19.03	19.18	18.90	19.50	16.86	17.05	17.00	18.00
3GPP Rel 6 HSUPA Subtest-4		17.99	18.08	17.93	18.50	15.85	16.06	15.92	17.00
3GPP Rel 6 HSUPA Subtest-5		20.02	20.09	19.99	20.50	17.88	18.02	17.94	19.00
3GPP Rel 7 WSPA+ (LQAM) Subtest-1		17.48	17.56	17.51	18.00	15.34	15.64	15.54	16.50

Band 38 Ant0 DS11													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel				37850	38000	38150							
Frequency (MHz)				2580	2595	2610							
20	QPSK	1	0	22.00	22.14	21.93	23	0					
20	QPSK	1	49	21.95	22.06	21.98							
20	QPSK	1	99	21.75	21.90	21.73							
20	QPSK	50	0	21.91	22.03	21.89	23	0					
20	QPSK	50	24	21.87	21.90	21.85							
20	QPSK	50	50	21.89	21.92	21.83							
20	QPSK	100	0	21.81	21.96	21.82	23	0					
20	16QAM	1	0	21.86	22.03	21.81							
20	16QAM	1	49	21.81	21.93	21.87							
20	16QAM	1	99	21.63	21.81	21.64	23	0					
20	16QAM	50	0	21.80	21.93	21.83							
20	16QAM	50	24	21.74	21.80	21.72							
20	16QAM	50	50	21.80	21.86	21.78	23	0					
20	16QAM	100	0	21.74	21.89	21.69							
20	64QAM	1	0	21.81	21.80	21.67							
20	64QAM	1	49	21.65	21.81	21.79	23	0					
20	64QAM	1	99	21.84	21.88	21.79							
20	64QAM	50	0	20.95	21.08	20.86							
20	64QAM	50	24	20.98	20.99	20.93	22	1					
20	64QAM	50	50	20.86	20.95	20.89							
20	64QAM	100	0	20.96	21.08	20.87							
20	256QAM	1	0	18.79	18.93	18.78	20	3					
20	256QAM	1	49	18.89	19.00	18.92							
20	256QAM	1	99	18.87	19.02	19.00							
20	256QAM	50	0	18.97	19.05	19.01	20	3					
20	256QAM	50	24	18.97	18.96	18.89							
20	256QAM	50	50	18.85	18.95	18.91							
20	256QAM	100	0	19.01	19.04	19.01							
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				2575	2590	2615							
15	QPSK	1	0	21.92	22.01	21.89	23	0					
15	QPSK	1	37	21.81	22.02	21.85							
15	QPSK	1	74	21.69	21.78	21.68							
15	QPSK	36	0	21.82	21.89	21.82	23	0					
15	QPSK	36	20	21.72	21.78	21.75							
15	QPSK	36	39	21.79	21.86	21.69							
15	QPSK	75	0	21.77	21.92	21.75	23	0					
15	16QAM	1	0	21.77	21.98	21.74							
15	16QAM	1	37	21.74	21.88	21.76							
15	16QAM	1	74	21.50	21.76	21.57	23	0					
15	16QAM	36	0	21.73	21.88	21.76							
15	16QAM	36	20	21.67	21.67	21.61							
15	16QAM	36	39	21.66	21.81	21.67	23	0					
15	16QAM	75	0	21.60	21.77	21.64							
15	64QAM	1	0	21.72	21.76	21.62							
15	64QAM	1	37	21.56	21.77	21.76	23	0					
15	64QAM	1	74	21.71	21.74	21.72							
15	64QAM	36	0	20.87	21.00	20.90							
15	64QAM	36	20	20.90	20.92	20.84	22	1					
15	64QAM	36	39	20.81	20.82	20.84							
15	64QAM	75	0	20.87	20.95	20.73							
15	256QAM	1	0	18.67	18.88	18.72	20	3					
15	256QAM	1	37	18.76	18.81	18.88							
15	256QAM	1	74	18.73	18.87	18.86							
15	256QAM	36	0	18.84	18.97	18.95	20	3					
15	256QAM	36	20	18.84	18.82	18.77							
15	256QAM	36	39	18.82	18.91	18.84							
15	256QAM	75	0	18.96	18.92	18.90							
Channel				37800	38000	38200					Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615							
10	QPSK	1	0	21.93	22.02	21.80	23	0					
10	QPSK	1	25	21.89	22.02	21.86							
10	QPSK	1	49	21.71	21.81	21.63							
10	QPSK	25	0	21.87	21.96	21.83	23	0					
10	QPSK	25	12	21.76	21.78	21.78							
10	QPSK	25	25	21.76	21.85	21.68							
10	QPSK	50	0	21.69	21.84	21.69	23	0					
10	16QAM	1	0	21.76	21.98	21.67							
10	16QAM	1	25	21.70	21.83	21.81							
10	16QAM	1	49	21.58	21.67	21.57	23	0					
10	16QAM	25	0	21.75	21.81	21.70							
10	16QAM	25	12	21.70	21.67	21.61							
10	16QAM	25	25	21.75	21.76	21.63	23	0					
10	16QAM	50	0	21.64	21.83	21.62							
10	64QAM	1	0	21.78	21.71	21.61							
10	64QAM	1	25	21.55	21.73	21.74	23	0					
10	64QAM	1	49	21.79	21.80	21.68							
10	64QAM	25	0	20.90	21.00	20.91							
10	64QAM	25	12	20.99	20.95	20.86	22	1					
10	64QAM	25	25	20.74	20.90	20.84							
10	64QAM	50	0	20.87	21.05	20.78							
10	256QAM	1	0	18.73	18.87	18.71	20	3					
10	256QAM	1	25	18.74	18.94	18.82							
10	256QAM	1	49	18.77	18.96	18.90							
10	256QAM	25	0	18.92	19.01	18.91	20	3					
10	256QAM	25	12	18.91	18.84	18.75							
10	256QAM	25	25	18.74	18.90	18.85							
10	256QAM	50	0	18.97	18.93	18.94							
Channel				37775	38000	38225					Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5							
5	QPSK	1	0	21.87	22.04	21.84	23	0					
5	QPSK	1	12	21.87	21.96	21.91							
5	QPSK	1	24	21.64	21.83	21.62							
5	QPSK	12	0	21.77	22.00	21.75	23	0					
5	QPSK	12	7	21.78	21.80	21.74							
5	QPSK	12	13	21.80	21.89	21.72							
5	QPSK	25	0	21.75	21.84	21.68	23	0					
5	16QAM	1	0	21.78	21.92	21.66							
5	16QAM	1	12	21.70	21.81	21.77							
5	16QAM	1	24	21.58	21.72	21.50	23	0					
5	16QAM	12	0	21.65	21.87	21.69							
5	16QAM	12	7	21.66	21.69	21.68							
5	16QAM	12	13	21.73	21.82	21.72	23	0					
5	16QAM	25	0	21.62	21.85	21.60							
5	64QAM	1	0	21.68	21.75	21.54							
5	64QAM	1	12	21.57	21.74	21.72	23	0					
5	64QAM	1	24	21.70	21.81	21.69							
5	64QAM	12	0	20.86	21.02	20.81							
5	64QAM	12	7	20.90	20.93	20.90	22	1					
5	64QAM	12	13	20.78	20.82	20.79							
5	64QAM	25	0	20.83	21.03	20.84							
5	256QAM	1	0	18.74	18.79	18.63	20	3					
5	256QAM	1	12	18.80	18.87	18.82							
5	256QAM	1	24	18.83	18.93	18.85							
5	256QAM	12	0	18.89	18.91	18.88	20	3					
5	256QAM	12	7	18.85	18.86	18.83							
5	256QAM	12	13	18.75	18.81	18.87							
5	256QAM	25	0	18.97	18.92	18.94							

GSM850 Ant1 Default

GSM850	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	32.89	32.93	32.87	34.50	23.89	23.93	23.87	25.50
GPRS 1 Tx slot	32.82	32.89	32.83	34.50	23.82	23.89	23.83	25.50
GPRS 2 Tx slots	29.93	29.96	29.93	31.50	23.93	23.96	23.93	25.50
GPRS 3 Tx slots	28.02	28.12	28.06	30.00	23.76	23.86	23.80	25.74
GPRS 4 Tx slots	26.61	26.75	26.71	28.50	23.61	23.75	23.71	25.50
EDGE 1 Tx slot	26.96	27.05	26.97	28.00	17.96	18.05	17.97	19.00
EDGE 2 Tx slots	24.12	24.16	24.08	25.00	18.12	18.16	18.08	19.00
EDGE 3 Tx slots	22.16	22.21	22.13	23.00	17.90	17.95	17.87	18.74
EDGE 4 Tx slots	20.64	20.78	20.64	22.00	17.64	17.78	17.64	19.00

WCDMA V Ant1 DS11

Band	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4357	4407	4458	
RX Channel	4357	4407	4458	
Frequency (MHz)	824.2	836.4	848.8	
3GPP Rel 99	22.75	23.04	22.74	24.50
3GPP Rel 99	22.81	23.09	22.71	24.50
3GPP Rel 6	21.95	22.09	21.86	23.50
3GPP Rel 6	21.91	22.14	21.84	23.50
3GPP Rel 6	21.48	21.71	21.43	23.00
3GPP Rel 6	21.43	21.53	21.37	23.00
3GPP Rel 6	21.95	22.03	21.84	23.50
3GPP Rel 6	21.91	22.19	21.87	23.50
3GPP Rel 6	21.44	21.67	21.52	23.00
3GPP Rel 6	21.39	21.51	21.35	23.00
3GPP Rel 6	22.04	22.16	21.84	23.50
3GPP Rel 6	19.95	20.17	19.87	21.50
3GPP Rel 6	20.94	21.18	20.82	22.50
3GPP Rel 6	20.02	20.14	19.87	21.50
3GPP Rel 6	22.04	22.15	21.81	23.50
3GPP Rel 7	19.33	19.64	19.58	21.00

Band 4 Ant1 DS1i															
BS (MHz)	Modulation	RB Size	RB Offset	Power Pilot Ch./Freq.	Power Data Ch./Freq.	Power Pilot Ch./Freq.	Turn- up time (ms)	MPER (dB)							
Channel															
Frequency (MHz)															
20	QPSK	1	0	-18.88	-18.95	-18.91			20.5	0					
20	QPSK	1	49	-18.77	-18.88	-18.70									
20	QPSK	1	99	-18.63	-18.71	-18.61									
20	QPSK	50	0	-18.74	-18.90	-18.76									
20	QPSK	50	24	-18.72	-18.83	-18.68			20.5	0					
20	QPSK	50	49	-18.75	-18.77	-18.61									
20	QPSK	100	0	-18.67	-18.78	-18.77									
20	16QAM	1	0	-18.96	-18.91	-18.89									
20	16QAM	1	49	-18.76	-18.86	-18.69			20.5	0					
20	16QAM	1	99	-18.57	-18.70	-18.68									
20	16QAM	50	0	-18.68	-18.83	-18.68									
20	16QAM	50	24	-18.70	-18.92	-18.74									
20	16QAM	50	50	-18.71	-18.75	-18.59			20.5	0					
20	16QAM	100	0	-18.60	-18.77	-18.74									
20	256QAM	1	7	-17.71	-17.78	-17.61									
20	256QAM	1	49	-17.77	-17.90	-17.73									
20	256QAM	1	99	-17.66	-17.74	-17.64			19.5	1					
20	256QAM	50	24	-17.71	-17.83	-17.78									
20	256QAM	50	50	-17.68	-17.76	-17.74									
20	256QAM	100	0	-17.64	-17.75	-17.64									
Channel															
Frequency (MHz)															
15	QPSK	1	0	-18.78	-18.78	-18.68			20.5	0					
15	QPSK	1	37	-18.70	-18.78	-18.64									
15	QPSK	1	74	-18.54	-18.65	-18.62									
15	QPSK	36	0	-18.64	-18.78	-18.63									
15	QPSK	36	36	-18.66	-18.74	-18.53			20.5	0					
15	QPSK	36	72	-18.65	-18.77	-18.61									
15	QPSK	36	108	-18.60	-18.69	-18.61									
15	QPSK	36	144	-18.61	-18.70	-18.61									
15	16QAM	1	0	-18.73	-18.83	-18.85			20.5	0					
15	16QAM	1	37	-18.67	-18.81	-18.63									
15	16QAM	1	74	-18.54	-18.82	-18.61									
15	16QAM	36	0	-18.59	-18.72	-18.62									
15	16QAM	36	20	-18.64	-18.70	-18.51			20.5	0					
15	16QAM	36	36	-18.61	-18.63	-18.55									
15	16QAM	72	0	-18.57	-18.64	-18.52									
15	16QAM	72	36	-18.63	-18.65	-18.85									
15	256QAM	1	0	-17.80	-17.70	-17.56			19.5	1					
15	256QAM	1	36	-17.71	-17.86	-17.61									
15	256QAM	1	74	-17.53	-17.64	-17.58									
15	256QAM	36	0	-17.66	-17.79	-17.60									
15	256QAM	36	72	-17.61	-17.77	-17.60			19.5	1					
15	256QAM	36	108	-17.60	-17.68	-17.57									
15	256QAM	36	144	-17.59	-17.64	-17.60									
15	256QAM	72	0	-17.59	-17.64	-17.60									
15	256QAM	72	36	-17.59	-17.64	-17.60									
Channel															
Frequency (MHz)															
10	QPSK	1	0	-18.76	-18.84	-18.82			20.5	0					
10	QPSK	1	25	-18.65	-18.77	-18.61									
10	QPSK	1	49	-18.52	-18.61	-18.61									
10	QPSK	25	0	-18.61	-18.80	-18.69									
10	QPSK	25	12	-18.66	-18.78	-18.63			20.5	0					
10	QPSK	25	25	-18.70	-18.79	-18.67									
10	QPSK	50	0	-18.63	-18.85	-18.73									
10	16QAM	1	0	-18.72	-18.81	-18.86				20.5	0				
10	16QAM	1	49	-18.70	-18.78	-18.61									
10	16QAM	1	49	-18.55	-18.56	-18.62									
10	16QAM	25	0	-18.58	-18.75	-18.59									
10	16QAM	25	12	-18.61	-18.66	-18.55			20.5	0					
10	16QAM	25	25	-18.60	-18.65	-18.51									
10	16QAM	50	0	-18.52	-18.66	-18.58									
10	16QAM	77	0	-18.60	-18.67	-18.67				20.5	0				
10	64QAM	1	25	-18.51	-18.80	-18.52									
10	64QAM	1	49	-18.58	-18.54	-18.55									
10	64QAM	25	0	-18.65	-18.77	-18.60				20.5	0				
10	64QAM	25	12	-18.56	-18.74	-18.60									
10	64QAM	25	25	-18.52	-18.70	-18.58									
10	64QAM	50	0	-18.64	-18.87	-18.66				19.5	1				
10	256QAM	1	25	-17.71	-17.77	-17.60									
10	256QAM	1	49	-17.60	-17.68	-17.56									
10	256QAM	25	12	-17.61	-17.80	-17.73				19.5	1				
10	256QAM	25	25	-17.65	-17.67	-17.71									
10	256QAM	50	0	-17.51	-17.69	-17.57									
Channel															
Frequency (MHz)															
5	QPSK	1	0	-18.78	-18.78	-18.68			20.5	0					
5	QPSK	1	12	-18.64	-18.81	-18.56									
5	QPSK	1	24	-18.59	-18.82	-18.59									
5	QPSK	12	0	-18.67	-18.96	-18.63				20.5	0				
5	QPSK	12	75	-18.58	-18.79	-18.51									
5	QPSK	12	13	-18.64	-18.72	-18.52									
5	QPSK	25	0	-18.61	-18.72	-18.59				20.5	0				
5	QPSK	25	10	-18.60	-18.84	-18.71									
5	16QAM	1	12	-18.70	-18.81	-18.59									
5	16QAM	1	24	-18.54	-18.57	-18.55				20.5	0				
5	16QAM	12	75	-18.61	-18.79	-18.64									
5	16QAM	12	7	-18.54	-18.66	-18.59			20.5	0					
5	16QAM	12	13	-18.61	-18.70	-18.52									
5	16QAM	25	0	-18.53	-18.62	-18.61									
5	QPSK	1	0	-18.70	-18.78	-18.68				20.5	0				
5	QPSK	1	12	-18.56	-18.82	-18.58									
5	QPSK	12	0	-18.61	-18.71	-18.66									
5	QPSK	12	12	-18.61	-18.71	-18.66				20.5	0				
5	QPSK	12	13	-18.57	-18.62	-18.52									
5	QPSK	25	0	-18.51	-18.74	-18.58									
5	QPSK	25	10	-18.52	-18.75	-18.55				19.5	1				
5	QPSK	12	75	-17.73	-17.80	-17.61									
5	256QAM	1	24	-17.58	-17.69	-17.58									
5	256QAM	1	49	-17.60	-17.68	-17.56				19.5	1				
5	256QAM	12	7	-17.66	-17.77	-17.64									
5	256QAM	12	13	-17.61	-17.73	-17.71									
5	256QAM	25	0	-17.51	-17.66	-17.54									
5	256QAM	25	10	-17.56	-17.66	-17.54									
Channel															
Frequency (MHz)															
3	QPSK	1	0	-18.74	-18.89	-18.85			20.5	0					
3	QPSK	1	12	-18.62	-18.88	-18.60									
3	QPSK	1	14	-18.59	-18.72	-18.54									
3	QPSK	1	60	-18.59	-18.85	-18.88				20.5	0				
3	QPSK	1	66	-18.76	-18.78	-18.64									
3	QPSK	7	7	-18.67	-18.99	-18.59									
3	QPSK	15	0	-18.65	-18.71	-18.68				20.5	0				
3	QPSK	15	7	-18.70	-18.78	-18.67									
3	16QAM	1	14	-18.56	-18.65	-18.62									
3	16QAM	1	60	-18.58	-18.84	-18.83				20.5	0				
3	16QAM	8	7	-18.66	-18.63	-18.56									
3	16QAM	8	7	-18.72	-18.80	-18.80									
3	16QAM	1	8	-18.71	-18.78	-18.61			20.5	0					
3	16QAM	8	4	-18.66	-18.67	-18.67									
3	16QAM	8	4	-18.55	-18.69	-18.53									
3	256QAM	1	7	-18.66	-18.69	-18.59			20.5	0					
3	256QAM	1	14	-18.52	-18.68	-18.64									
3	256QAM	15	0	-18.67	-18.72	-18.63									
3	256QAM	1	7	-17.80	-17.87	-17.62				19.5	1				
3	256QAM	1	14	-17.68	-17.75	-17.68									
3	256QAM	8	4	-17.58	-17.69	-17.53									
3	256QAM	1	7	-17.67	-17.74	-17.61				19.5	1				
3	256QAM	8	4	-17.72	-17.78	-17.71									
3	256QAM	15	0	-17.52	-17.66	-17.57									
Channel															
Frequency (MHz)															
1.4	QPSK	1	0	-18.76	-18.81	-18.86			20.5	0					
1.4	QPSK	1	3	-18.69	-18.74	-18.62									
1.4	QPSK	1	6	-18.62	-18.66	-18.61									
1.4	QPSK	3	0	-18.60	-18.81	-18.81				20.5	0				
1.4	QPSK	3	1	-18.57	-18.77	-18.61									
1.4	QPSK	3	6	-18.70	-18.75	-18.66									
1.4	QPSK	6	0	-18.52	-18.73	-18.64				20.5	0				
1.4	QPSK	6	3	-18.77	-18.77	-18.78									
1.4	QPSK	6	6	-18.57	-18.63	-18.57									
1.4	16QAM	3	0	-18.61	-18.69	-18.59				20.5	0				
1.4	16QAM	3	1	-18.63	-18.69	-18.56									
1.4	16QAM	6	0	-18.58	-18.63	-18.65									
1.4	16QAM	1	0	-18.76	-18.84	-18.83			20.5	0					
1.4	16QAM	1	6	-18.63	-18.81	-18.83									
1.4	16QAM	1	6	-18.53	-18.62	-18.54									
1.4	16QAM	3	0	-18.65	-18.74	-18.57			20.5	0					
1.4	16QAM	3	1	-18.59	-18.87	-18.88									
1.4	16QAM	3	3	-18.54	-18.73	-18.56									
1.4	256QAM	1	3	-17.87	-17.75	-17.68			20.5	0					
1.4	256QAM	1	3	-17.87	-17.75	-17.68									
1.4	256QAM	1	3	-17.87	-17.75	-									

Band 38 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR	
Channel									
Frequency (MHz)				37850	38000	38150			
				2580	2595	2610			
20	QPSK	1	0	22.85	22.94	22.69	24	0	
20	QPSK	1	49	22.74	22.81	22.81			
20	QPSK	1	99	22.80	22.68	22.86			
20	QPSK	50	0	21.79	21.88	21.82	23	1	
20	QPSK	50	24	21.71	21.76	21.76			
20	QPSK	50	50	21.74	21.68	21.66			
20	QPSK	100	0	21.72	21.86	21.70	23	1	
20	16QAM	1	0	21.81	21.84	21.85			
20	16QAM	1	49	21.81	21.88	21.86			
20	16QAM	1	99	21.75	21.66	21.82	22	2	
20	16QAM	50	0	20.83	20.85	20.82			
20	16QAM	50	24	20.80	20.80	20.80			
20	16QAM	50	50	20.68	20.71	20.72	22	2	
20	16QAM	100	0	20.74	20.77	20.73			
20	64QAM	1	0	20.82	20.85	20.87			
20	64QAM	1	49	20.78	20.83	20.77	22	2	
20	64QAM	1	99	20.73	20.70	20.78			
20	64QAM	50	0	19.86	19.87	19.87			
20	64QAM	50	24	19.73	19.81	19.81	21	3	
20	64QAM	50	50	19.70	19.72	19.71			
20	64QAM	100	0	19.76	19.78	19.78			
20	256QAM	1	0	17.79	17.86	17.82	19	5	
20	256QAM	1	49	17.76	17.83	17.82			
20	256QAM	1	99	17.66	17.68	17.71			
20	256QAM	50	0	17.91	17.92	17.88	19	5	
20	256QAM	50	24	17.85	17.85	17.87			
20	256QAM	50	50	17.69	17.76	17.72			
20	256QAM	100	0	17.74	17.79	17.75			
Channel							Tune-up limit	MPR	
Frequency (MHz)				37825	38000	38175	(dBm)	(dB)	
				25745	2595	26145			
15	QPSK	1	0	22.85	22.88	22.69	24	0	
15	QPSK	1	37	22.73	22.75	22.82			
15	QPSK	1	74	22.79	22.74	22.82			
15	QPSK	36	0	21.83	21.84	21.77	23	1	
15	QPSK	36	20	21.72	21.70	21.72			
15	QPSK	36	39	21.66	21.69	21.66			
15	QPSK	75	0	21.77	21.69	21.71	23	1	
15	16QAM	1	0	21.87	21.84	21.83			
15	16QAM	1	37	21.86	21.78	21.83			
15	16QAM	1	74	21.80	21.68	21.79	22	2	
15	16QAM	36	0	20.89	20.83	20.84			
15	16QAM	36	20	20.85	20.78	20.80			
15	16QAM	36	39	20.72	20.70	20.72	22	2	
15	16QAM	75	0	20.75	20.77	20.69			
15	64QAM	1	0	20.80	20.83	20.88			
15	64QAM	1	37	20.77	20.76	20.78	21	3	
15	64QAM	1	74	20.76	20.74	20.80			
15	64QAM	36	0	19.88	19.83	19.82			
15	64QAM	36	20	19.74	19.78	19.81	19	5	
15	64QAM	36	39	19.70	19.69	19.70			
15	64QAM	75	0	19.76	19.74	19.73			
15	256QAM	1	0	17.81	17.85	17.78	19	5	
15	256QAM	1	37	17.75	17.80	17.78			
15	256QAM	1	74	17.60	17.73	17.66			
15	256QAM	36	0	17.90	17.88	17.85	19	5	
15	256QAM	36	20	17.87	17.81	17.83			
15	256QAM	36	39	17.67	17.72	17.73			
15	256QAM	75	0	17.75	17.75	17.74			
Channel							Tune-up limit	MPR	
Frequency (MHz)				37800	38000	38200	(dBm)	(dB)	
				2575	2595	2615			
10	QPSK	1	0	22.85	22.87	22.75	24	0	
10	QPSK	1	25	22.77	22.89	22.81			
10	QPSK	1	49	22.88	22.70	22.82			
10	QPSK	25	0	21.85	21.86	21.81	23	1	
10	QPSK	25	12	21.74	21.77	21.73			
10	QPSK	25	25	21.67	21.68	21.66			
10	QPSK	50	0	21.75	21.78	21.73	23	1	
10	16QAM	1	0	21.87	21.92	21.89			
10	16QAM	1	25	21.86	21.87	21.85			
10	16QAM	1	49	21.82	21.72	21.82	22	2	
10	16QAM	25	0	20.84	20.90	20.85			
10	16QAM	25	12	20.88	20.84	20.78			
10	16QAM	25	25	20.75	20.72	20.71	22	2	
10	16QAM	50	0	20.75	20.82	20.69			
10	64QAM	1	0	20.83	20.90	20.86			
10	64QAM	1	25	20.85	20.84	20.73	22	2	
10	64QAM	1	49	20.75	20.73	20.80			
10	64QAM	25	0	19.87	19.87	19.86			
10	64QAM	25	12	19.74	19.82	19.79	21	3	
10	64QAM	25	25	19.78	19.76	19.73			
10	64QAM	50	0	19.78	19.84	19.74			
10	256QAM	1	0	17.82	17.94	17.85	19	5	
10	256QAM	1	25	17.81	17.86	17.84			
10	256QAM	1	49	17.71	17.74	17.66			
10	256QAM	25	0	17.97	17.92	17.91	19	5	
10	256QAM	25	12	17.89	17.86	17.89			
10	256QAM	25	25	17.76	17.80	17.72			
10	256QAM	50	0	17.68	17.81	17.72			
Channel							Tune-up limit	MPR	
Frequency (MHz)				37775	38000	38225	(dBm)	(dB)	
				25725	2595	26175			
5	QPSK	1	0	22.75	22.82	22.68	24	0	
5	QPSK	1	12	22.67	22.78	22.90			
5	QPSK	1	24	22.77	22.69	22.83			
5	QPSK	12	0	21.74	21.84	21.81	23	1	
5	QPSK	12	7	21.66	21.73	21.73			
5	QPSK	12	13	21.76	21.72	21.71			
5	QPSK	25	0	21.68	21.75	21.68	23	1	
5	16QAM	1	0	21.74	21.85	21.82			
5	16QAM	1	12	21.78	21.89	21.83			
5	16QAM	1	24	21.66	21.67	21.76	22	2	
5	16QAM	12	0	20.75	20.86	20.79			
5	16QAM	12	7	20.76	20.81	20.78			
5	16QAM	12	13	20.70	20.72	20.67	22	2	
5	16QAM	25	0	20.67	20.79	20.68			
5	64QAM	1	0	20.75	20.81	20.80			
5	64QAM	1	12	20.74	20.82	20.70	22	2	
5	64QAM	1	24	20.66	20.69	20.74			
5	64QAM	12	0	19.76	19.85	19.84			
5	64QAM	12	7	19.70	19.79	19.74	21	3	
5	64QAM	12	13	19.66	19.71	19.66			
5	64QAM	25	0	19.71	19.80	19.78			
5	256QAM	1	0	17.67	17.88	17.75	19	5	
5	256QAM	1	12	17.71	17.83	17.77			
5	256QAM	1	24	17.70	17.66	17.69			
5	256QAM	12	0	17.85	17.83	17.81	19	5	
5	256QAM	12	7	17.77	17.83	17.83			
5	256QAM	12	13	17.69	17.74	17.74			
5	256QAM	25	0	17.66	17.78	17.71			

GSM1900 Ant2 DS11

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	661	810			512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.84	27.88	27.80	29.50	18.84	18.88	18.80	20.50
GPRS 1 Tx slot	27.75	27.81	27.70	29.50	18.75	18.81	18.70	20.50
GPRS 2 Tx slots	24.83	24.99	24.85	26.50	18.83	18.89	18.85	20.50
GPRS 3 Tx slots	23.07	23.12	23.05	25.00	18.81	18.86	18.79	20.74
GPRS 4 Tx slots	21.65	21.76	21.67	23.50	18.65	18.76	18.67	20.50
EDGE 1 Tx slot	23.74	23.84	23.75	25.00	14.74	14.84	14.75	16.00
EDGE 2 Tx slots	20.62	20.66	20.54	22.00	14.62	14.66	14.54	16.00
EDGE 3 Tx slots	18.57	18.67	18.62	20.00	14.31	14.41	14.36	15.74
EDGE 4 Tx slots	17.18	17.22	17.08	18.50	14.18	14.22	14.08	15.50

WCDMA II Ant2 DS11

WCDMA IV Ant2 DS11

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
TX Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1652.4	1680	1697.2		1722.4	1823.5	1923.5	
3GPP Rel 99 RMC 12.2Kbps	18.74	19.74	19.72	21.50	18.83	19.09	19.10	20.50
3GPP Rel 99 RMC 12.2Kbps	19.80	19.92	19.70	21.50	18.91	19.28	19.10	20.50
3GPP Rel 6 HSDPA Subtest-1	18.85	18.77	18.73	20.50	17.99	18.19	17.96	19.50
3GPP Rel 6 HSDPA Subtest-2	18.87	18.79	18.67	20.50	18.03	18.30	17.89	19.50
3GPP Rel 6 HSDPA Subtest-3	18.33	18.45	18.26	20.00	17.62	17.76	17.43	19.00
3GPP Rel 6 HSDPA Subtest-4	18.33	18.36	18.12	20.00	17.51	17.70	17.36	19.00
3GPP Rel 8 DC-HSDPA Subtest-1	18.79	18.82	18.66	20.50	18.03	18.18	17.98	19.50
3GPP Rel 8 DC-HSDPA Subtest-2	18.79	18.81	18.67	20.50	18.04	18.22	17.87	19.50
3GPP Rel 8 DC-HSDPA Subtest-3	18.34	18.37	18.22	20.00	17.54	17.66	17.55	19.00
3GPP Rel 8 DC-HSDPA Subtest-4	18.32	18.35	18.09	20.00	17.50	17.73	17.30	19.00
3GPP Rel 6 HSUPA Subtest-1	18.75	18.83	18.64	20.50	18.08	18.18	17.96	19.50
3GPP Rel 6 HSUPA Subtest-2	18.78	18.79	18.66	18.50	16.04	16.16	15.89	17.50
3GPP Rel 6 HSUPA Subtest-3	17.81	17.80	17.68	19.50	17.14	17.15	16.95	18.50
3GPP Rel 6 HSUPA Subtest-4	16.82	16.77	16.74	18.50	16.10	16.19	15.99	17.50
3GPP Rel 6 HSUPA Subtest-5	18.79	18.84	18.72	20.50	18.11	18.19	17.98	19.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	16.25	16.35	16.32	18.00	15.64	15.67	15.48	17.00

Band 38 Ant2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.38	19.40	19.36	20.5	0	
20	QPSK	1	49	19.28	19.32	19.29			
20	QPSK	1	99	19.26	19.23	19.23			
20	QPSK	50	0	19.21	19.35	19.27	20.5	0	
20	QPSK	50	24	19.18	19.24	19.19			
20	QPSK	50	50	19.23	19.21	19.12			
20	QPSK	100	0	19.21	19.31	19.17	20.5	0	
20	16QAM	1	0	19.28	19.27	19.25			
20	16QAM	1	49	19.27	19.22	19.24			
20	16QAM	1	99	19.18	19.23	19.14	20.5	0	
20	16QAM	50	0	19.22	19.31	19.19			
20	16QAM	50	24	19.18	19.14	19.12			
20	16QAM	50	50	19.12	19.11	19.07	20.5	0	
20	16QAM	100	0	19.10	19.22	19.07			
20	64QAM	1	0	19.31	19.33	19.25	20.5	0	
20	64QAM	1	49	19.25	19.30	19.23			
20	64QAM	1	99	19.15	19.15	19.20			
20	64QAM	50	0	19.17	19.29	19.23	20.5	0	
20	64QAM	50	24	19.09	19.25	19.20			
20	64QAM	50	50	19.22	19.07	19.09			
20	64QAM	100	0	19.19	19.17	19.11	19.5	1	
20	256QAM	1	0	18.42	18.43	18.43			
20	256QAM	1	49	18.31	18.47	18.33			
20	256QAM	1	99	18.32	18.25	18.30	19.5	1	
20	256QAM	50	0	18.40	18.44	18.32			
20	256QAM	50	24	18.39	18.41	18.36			
20	256QAM	50	50	18.19	18.34	18.21	19.5	1	
20	256QAM	100	0	18.27	18.43	18.35			
Channel				37875	38000	38175			
Frequency (MHz)				2592.5	2595	2617.5			
15	QPSK	1	0	19.33	19.33	19.33	20.5	0	
15	QPSK	1	37	19.16	19.22	19.18			
15	QPSK	1	74	19.13	19.20	19.08			
15	QPSK	36	0	19.10	19.21	19.22	20.5	0	
15	QPSK	36	20	19.08	19.09	19.12			
15	QPSK	36	39	19.12	19.11	19.08			
15	QPSK	75	0	19.14	19.23	19.06	20.5	0	
15	16QAM	1	0	19.19	19.21	19.11			
15	16QAM	1	37	19.14	19.09	19.11			
15	16QAM	1	74	19.08	19.09	18.99	20.5	0	
15	16QAM	36	0	19.18	19.27	19.08			
15	16QAM	36	20	19.11	19.03	19.08			
15	16QAM	36	39	18.98	19.00	18.96	20.5	0	
15	16QAM	75	0	18.98	19.13	18.94			
15	64QAM	1	0	19.22	19.18	19.18			
15	64QAM	1	37	19.14	19.15	19.16	20.5	0	
15	64QAM	1	74	19.08	19.03	19.16			
15	64QAM	36	0	19.13	19.15	19.11			
15	64QAM	36	20	18.99	19.21	19.13	20.5	0	
15	64QAM	36	39	19.17	18.99	18.99			
15	64QAM	75	0	19.05	19.12	18.99			
15	256QAM	1	0	18.34	18.35	18.35	19.5	1	
15	256QAM	1	37	18.22	18.35	18.22			
15	256QAM	1	74	18.21	18.21	18.18			
15	256QAM	36	0	18.29	18.34	18.24	19.5	1	
15	256QAM	36	20	18.29	18.27	18.22			
15	256QAM	36	39	18.13	18.27	18.07			
15	256QAM	75	0	18.19	18.36	18.27	Tune-up limit (dBm) MPR (dB)		
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.33	19.33	19.27	20.5	0	
10	QPSK	1	25	19.24	19.25	19.25			
10	QPSK	1	49	19.23	19.19	19.19			
10	QPSK	25	0	19.13	19.23	19.17	20.5	0	
10	QPSK	25	12	19.08	19.15	19.06			
10	QPSK	25	25	19.18	19.08	19.06			
10	QPSK	50	0	19.07	19.26	19.04	20.5	0	
10	16QAM	1	0	19.16	19.20	19.15			
10	16QAM	1	25	19.22	19.09	19.10			
10	16QAM	1	49	19.12	19.14	19.06	20.5	0	
10	16QAM	25	0	19.09	19.21	19.09			
10	16QAM	25	12	19.09	19.02	18.98			
10	16QAM	25	25	19.03	19.06	18.99	20.5	0	
10	16QAM	50	0	19.06	19.12	19.00			
10	64QAM	1	0	19.18	19.25	19.15			
10	64QAM	1	25	19.22	19.19	19.10	20.5	0	
10	64QAM	1	49	19.05	19.07	19.12			
10	64QAM	25	0	19.03	19.22	19.16			
10	64QAM	25	12	18.96	19.15	19.15	20.5	0	
10	64QAM	25	25	19.11	18.94	18.94			
10	64QAM	50	0	19.13	19.09	19.01			
10	256QAM	1	0	18.27	18.38	18.36	19.5	1	
10	256QAM	1	25	18.21	18.40	18.30			
10	256QAM	1	49	18.26	18.22	18.23			
10	256QAM	25	0	18.34	18.30	18.24	19.5	1	
10	256QAM	25	12	18.30	18.38	18.24			
10	256QAM	25	25	18.12	18.22	18.15			
10	256QAM	50	0	18.22	18.39	18.31	Tune-up limit (dBm) MPR (dB)		
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.27	19.30	19.29	20.5	0	
5	QPSK	1	12	19.15	19.25	19.21			
5	QPSK	1	24	19.17	19.19	19.15			
5	QPSK	12	0	19.18	19.23	19.14	20.5	0	
5	QPSK	12	7	19.14	19.20	19.04			
5	QPSK	12	13	19.20	19.10	18.99			
5	QPSK	25	0	19.06	19.26	19.07	20.5	0	
5	16QAM	1	0	19.25	19.15	19.20			
5	16QAM	1	12	19.20	19.17	19.15			
5	16QAM	1	24	19.06	19.11	19.09	20.5	0	
5	16QAM	12	0	19.09	19.22	19.07			
5	16QAM	12	7	19.12	19.00	19.01			
5	16QAM	12	13	19.09	19.01	19.01	20.5	0	
5	16QAM	25	0	18.99	19.08	19.04			
5	64QAM	1	0	19.28	19.18	19.11			
5	64QAM	1	12	19.18	19.18	19.15	20.5	0	
5	64QAM	1	24	19.05	19.02	19.08			
5	64QAM	12	0	19.09	19.23	19.19			
5	64QAM	12	7	19.01	19.19	19.07	20.5	0	
5	64QAM	12	13	19.19	19.02	18.95			
5	64QAM	25	0	19.05	19.07	19.01			
5	256QAM	1	0	18.35	18.39	18.30	19.5	1	
5	256QAM	1	12	18.26	18.34	18.18			
5	256QAM	1	24	18.19	18.10	18.16			
5	256QAM	12	0	18.36	18.32	18.27	19.5	1	
5	256QAM	12	7	18.25	18.37	18.28			
5	256QAM	12	13	18.11	18.30	18.09			
5	256QAM	25	0	18.19	18.32	18.22	Tune-up limit (dBm) MPR (dB)		

Band 41 Ant2 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.89	20.94	21.28	21.35	22.11	22.5	0
20	QPSK	1	49	20.83	20.90	21.24	21.31	22.02		
20	QPSK	1	99	20.93	21.03	21.07	21.12	21.73		
20	QPSK	50	0	20.81	20.79	21.00	21.14	21.87		
20	QPSK	50	24	20.76	20.81	20.91	21.05	21.80	22.5	0
20	QPSK	50	50	20.84	20.86	20.74	20.98	21.70		
20	QPSK	100	0	20.82	20.80	20.84	21.06	21.98		
20	16QAM	1	0	20.72	20.91	20.92	21.19	21.76		
20	16QAM	1	49	20.96	20.88	20.77	20.97	21.80	22.5	0
20	16QAM	1	99	20.92	20.85	20.80	21.02	21.72		
20	16QAM	50	0	20.72	20.80	20.91	21.14	21.88		
20	16QAM	50	24	20.63	20.78	20.78	21.03	21.82		
20	16QAM	50	50	20.81	20.93	20.71	20.96	21.85	22.5	0
20	16QAM	100	0	20.62	20.92	20.83	21.08	21.94		
20	64QAM	1	0	20.68	21.01	20.86	21.04	21.92		
20	64QAM	1	49	20.75	20.71	20.89	21.11	21.97		
20	64QAM	1	99	20.64	20.71	20.63	20.82	21.68	21.5	1
20	64QAM	50	0	19.80	19.71	19.95	20.11	20.93		
20	64QAM	50	24	19.65	20.03	19.84	19.94	20.90		
20	64QAM	50	50	19.67	19.92	19.78	19.90	20.75		
20	64QAM	100	0	19.69	19.81	19.82	20.05	20.94	19.5	3
20	256QAM	1	0	17.72	17.72	17.95	18.11	18.87		
20	256QAM	1	49	17.76	17.75	17.84	18.15	18.90		
20	256QAM	1	99	17.77	17.74	17.60	17.81	18.68		
20	256QAM	50	0	17.77	17.78	17.92	18.11	18.95	19.5	3
20	256QAM	50	24	17.68	17.70	17.88	18.06	18.85		
20	256QAM	50	50	17.86	17.89	17.78	17.91	18.75		
20	256QAM	100	0	17.60	17.91	17.80	17.97	18.82		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.5	2593	2637.5	2682.5		
15	QPSK	1	0	20.80	20.91	21.14	21.29	22.05	22.50	0
15	QPSK	1	37	20.72	20.78	21.10	21.26	21.99		
15	QPSK	36	0	20.70	20.72	20.93	21.04	21.68		
15	QPSK	36	20	20.65	20.78	20.87	20.97	21.80		
15	QPSK	36	39	20.77	20.78	20.67	20.94	21.65	22.5	0
15	QPSK	75	0	20.77	20.66	20.83	20.95	21.78		
15	16QAM	1	0	20.61	20.86	20.80	21.04	21.67		
15	16QAM	1	37	20.81	20.79	20.71	20.93	21.72		
15	16QAM	1	74	20.84	20.73	20.73	20.91	21.65	22.5	0
15	16QAM	36	0	20.69	20.74	20.86	21.01	21.84		
15	16QAM	36	29	20.62	20.65	20.63	20.69	21.74		
15	16QAM	36	39	20.66	20.80	20.80	20.90	21.73		
15	16QAM	75	0	20.50	20.86	20.76	21.03	21.80	22.5	0
15	64QAM	1	0	20.60	20.98	20.74	21.00	21.79		
15	64QAM	1	37	20.67	20.57	20.79	21.03	21.88		
15	64QAM	1	74	20.53	20.61	20.55	20.76	21.53		
15	64QAM	36	0	19.76	19.60	19.92	20.04	20.87	21.5	1
15	64QAM	36	20	19.58	19.95	19.67	19.90	20.60		
15	64QAM	36	39	19.60	19.81	19.72	19.86	20.66		
15	64QAM	75	0	19.61	19.67	19.68	19.97	20.85		
15	256QAM	1	0	17.58	17.67	17.88	18.04	18.74	19.5	3
15	256QAM	1	37	17.69	17.67	17.79	18.05	18.87		
15	256QAM	1	74	17.64	17.60	17.62	17.69	18.62		
15	256QAM	36	0	17.66	17.66	17.68	18.04	18.67		
15	256QAM	36	20	17.62	17.64	17.82	17.93	18.75	19.5	3
15	256QAM	36	39	17.76	17.79	17.68	17.78	18.63		
15	256QAM	75	0	17.56	17.78	17.77	17.89	18.75		
15	256QAM	75	0	17.56	17.78	17.77	17.89	18.75		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.84	20.87	21.23	21.32	21.99	22.50	0
10	QPSK	1	25	20.71	20.78	21.15	21.19	21.88		
10	QPSK	1	49	20.80	20.96	20.96	21.08	21.67		
10	QPSK	25	0	20.70	20.66	20.94	21.04	21.76		
10	QPSK	25	12	20.66	20.71	20.83	20.95	21.75	22.5	0
10	QPSK	25	25	20.71	20.73	20.82	20.89	21.63		
10	QPSK	50	0	20.75	20.74	20.81	20.87	21.61		
10	16QAM	1	0	20.68	20.85	20.80	20.96	21.70		
10	16QAM	1	25	20.87	20.83	20.69	20.83	21.72	22.5	0
10	16QAM	1	49	20.79	20.72	20.75	20.94	21.68		
10	16QAM	25	0	20.63	20.77	20.81	21.06	21.73		
10	16QAM	25	12	20.59	20.72	20.70	21.00	21.70		
10	16QAM	25	25	20.67	20.82	20.65	20.90	21.72	22.5	0
10	16QAM	50	0	20.59	20.82	20.69	21.01	21.90		
10	64QAM	1	0	20.54	20.92	20.74	20.95	21.83		
10	64QAM	1	25	20.70	20.60	20.82	21.01	21.89		
10	64QAM	1	49	20.60	20.67	20.51	20.69	21.61	21.5	1
10	64QAM	1	74	19.61	19.63	19.63	19.67	20.90		
10	19QAM	25	12	19.60	19.94	19.65	19.99	20.57		
10	64QAM	25	25	19.62	19.82	19.74	19.81	20.71		
10	64QAM	50	0	19.54	19.68	19.76	19.96	20.85	19.5	3
10	256QAM	1	0	17.60	17.63	17.91	17.99	18.77		
10	256QAM	1	25	17.62	17.61	17.73	18.09	18.77		
10	256QAM	1	49	17.70	17.69	17.54	17.74	18.62		
10	256QAM	25	0	17.70	17.73	17.78	18.06	18.92	19.5	3
10	256QAM	25	12	17.61	17.65	17.75	17.95	18.70		
10	256QAM	25	25	17.74	17.80	17.75	17.85	18.70		
10	256QAM	50	0	17.61	17.79	17.76	17.91	18.67		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.75	20.82	21.17	21.24	22.04	22.5	0
5	QPSK	1	12	20.74	20.85	21.10	21.24	22.91		
5	QPSK	1	24	20.86	20.97	20.94	21.00	21.65		
5	QPSK	12	0	20.76	20.70	20.90	21.07	21.73		
5	QPSK	12	7	20.62	20.74	20.78	21.00	21.84	22.5	0
5	QPSK	12	13	20.73	20.75	20.67	20.89	21.58		
5	QPSK	25	0	20.76	20.74	20.84	20.94	21.84		
5	16QAM	1	0	20.68	20.82	20.79	20.96	21.62		
5	16QAM	1	12	20.90	20.79	20.69	20.90	21.70	22.5	0
5	16QAM	1	24	20.86	20.77	20.67	20.88	21.62		
5	16QAM	12	0	20.67	20.73	20.82	21.04	21.93		
5	16QAM	12	7	20.56	20.69	20.61	20.87	21.74		
5	16QAM	12	13	20.67	20.81	20.57	20.85	21.73	22.5	0
5	16QAM	25	0	20.51	20.79	20.75	20.93	21.87		
5	64QAM	1	0	20.58	20.87	20.75	20.92	21.87		
5	64QAM	1	12	20.67	20.61	20.81	20.97	21.86		
5	64QAM	1	24	20.59	20.64	20.54	20.73	21.64	22.5	0
5	64QAM	12	0	19.68	19.67	19.83	19.97	20.82		
5	64QAM	12	7	19.59	19.92	19.66	19.83	20.55		
5	64QAM	12	13	19.62	19.81	19.69	19.76	20.67		
5	64QAM	25	0	19.60	19.66	19.75	19.98	20.85	19.5	3
5	256QAM	1	0	17.67	17.62	17.89	18.06	18.83		
5	256QAM	1	12	17.72	17.62	17.73	18.02	18.85		
5	256QAM	1	24	17.73	17.60	17.77	17.77	18.65		
5	256QAM	12	0	17.72	17.64	17.81	18.04	18.85	19.5	3
5	256QAM	12	7	17.55	17.57	17.76	18.03	18.78		
5	256QAM	12	13	17.75	17.79	17.72	17.83	18.68		
5	256QAM	25	0	17.55	17.81	17.66	17.90	18.77		

Band 38 Ant5 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.79	20.90	20.79	22	0	
20	QPSK	1	49	20.76	20.70	20.78			
20	QPSK	1	99	20.67	20.57	20.68			
20	QPSK	50	0	20.72	20.73	20.72	22	0	
20	QPSK	50	24	20.58	20.70	20.61			
20	QPSK	50	50	20.46	20.42	20.53			
20	QPSK	100	0	20.64	20.76	20.61	22	0	
20	16QAM	1	0	20.54	20.55	20.75			
20	16QAM	1	49	20.52	20.49	20.51			
20	16QAM	1	99	20.82	20.63	20.67	22	0	
20	16QAM	50	0	20.66	20.66	20.61			
20	16QAM	50	24	20.53	20.54	20.49			
20	16QAM	50	50	20.83	20.73	20.69	22	0	
20	16QAM	100	0	20.53	20.73	20.75			
20	64QAM	1	0	20.74	20.78	20.71			
20	64QAM	1	49	20.55	20.70	20.68	22	0	
20	64QAM	1	99	20.51	20.66	20.56			
20	64QAM	50	0	19.93	19.85	19.86			
20	64QAM	50	24	19.91	19.79	19.88	21	1	
20	64QAM	50	50	19.63	19.80	19.71			
20	64QAM	100	0	19.65	19.74	19.71			
20	256QAM	1	0	17.83	17.79	17.80	19	3	
20	256QAM	1	49	17.73	17.77	17.81			
20	256QAM	1	99	17.55	17.58	17.66			
20	256QAM	50	0	17.96	17.91	17.90	19	3	
20	256QAM	50	24	17.97	17.69	17.90			
20	256QAM	50	50	17.66	17.83	17.73			
20	256QAM	100	0	17.46	17.61	17.58			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2083	2095	2107			
15	QPSK	1	0	20.83	20.61	20.61	22	0	
15	QPSK	1	37	20.60	20.59	20.68			
15	QPSK	1	74	20.36	20.66	20.59			
15	QPSK	36	0	20.60	20.60	20.51	22	0	
15	QPSK	36	20	20.71	20.56	20.49			
15	QPSK	36	39	20.32	20.25	20.45			
15	QPSK	75	0	20.76	20.49	20.47	22	0	
15	16QAM	1	0	20.40	20.35	20.64			
15	16QAM	1	37	20.37	20.34	20.33			
15	16QAM	1	74	20.80	20.44	20.65	22	0	
15	16QAM	36	0	20.65	20.66	20.59			
15	16QAM	36	20	20.45	20.39	20.42			
15	16QAM	36	39	20.83	20.55	20.67	22	0	
15	16QAM	75	0	20.52	20.74	20.54			
15	64QAM	1	0	20.61	20.61	20.65	22	0	
15	64QAM	1	37	20.37	20.59	20.67			
15	64QAM	1	74	20.29	20.60	20.44			
15	64QAM	36	0	19.81	19.66	19.85	21	1	
15	64QAM	36	20	19.70	19.61	19.74			
15	64QAM	36	39	19.56	19.60	19.65			
15	64QAM	75	0	19.51	19.62	19.50	19	3	
15	256QAM	1	0	17.73	17.75	17.80			
15	256QAM	1	37	17.58	17.58	17.62			
15	256QAM	1	74	17.36	17.54	17.52	19	3	
15	256QAM	36	0	17.82	17.74	17.70			
15	256QAM	36	20	17.96	17.59	17.80			
15	256QAM	36	39	17.53	17.65	17.62	19	3	
15	256QAM	75	0	17.42	17.59	17.56			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.77	20.59	20.79	22	0	
10	QPSK	1	25	20.59	20.55	20.72			
10	QPSK	1	49	20.39	20.66	20.52			
10	QPSK	25	0	20.67	20.51	20.59	22	0	
10	QPSK	25	12	20.71	20.37	20.51			
10	QPSK	25	25	20.36	20.39	20.54			
10	QPSK	50	0	20.61	20.65	20.47	22	0	
10	16QAM	1	0	20.51	20.33	20.61			
10	16QAM	1	25	20.43	20.34	20.48			
10	16QAM	1	49	20.75	20.49	20.59	22	0	
10	16QAM	25	0	20.52	20.63	20.52			
10	16QAM	25	12	20.48	20.54	20.50			
10	16QAM	25	25	20.62	20.61	20.63	22	0	
10	16QAM	50	0	20.44	20.55	20.63			
10	64QAM	1	0	20.67	20.75	20.52			
10	64QAM	1	25	20.37	20.59	20.53	22	0	
10	64QAM	1	49	20.46	20.58	20.45			
10	64QAM	25	0	19.75	19.81	19.70			
10	64QAM	25	12	19.91	19.64	19.69	21	1	
10	64QAM	25	25	19.63	19.66	19.72			
10	64QAM	50	0	19.64	19.66	19.52			
10	256QAM	1	0	17.64	17.78	17.77	19	3	
10	256QAM	1	25	17.54	17.79	17.64			
10	256QAM	1	49	17.34	17.54	17.48			
10	256QAM	25	0	17.83	17.76	17.89	19	3	
10	256QAM	25	12	17.91	17.69	17.83			
10	256QAM	25	25	17.59	17.79	17.67			
10	256QAM	50	0	17.45	17.45	17.60			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2615	2625	2635			
5	QPSK	1	0	20.75	20.73	20.67	22	0	
5	QPSK	1	12	20.54	20.68	20.57			
5	QPSK	1	24	20.54	20.65	20.51			
5	QPSK	12	0	20.65	20.57	20.65	22	0	
5	QPSK	12	7	20.51	20.47	20.43			
5	QPSK	12	13	20.35	20.46	20.35			
5	QPSK	25	0	20.56	20.60	20.60	22	0	
5	16QAM	1	0	20.49	20.41	20.64			
5	16QAM	1	12	20.39	20.33	20.32			
5	16QAM	1	24	20.63	20.52	20.68	22	0	
5	16QAM	12	0	20.65	20.47	20.47			
5	16QAM	12	7	20.42	20.50	20.51			
5	16QAM	12	13	20.67	20.61	20.67	22	0	
5	16QAM	25	0	20.37	20.54	20.69			
5	64QAM	1	0	20.69	20.78	20.67			
5	64QAM	1	12	20.41	20.71	20.59	22	0	
5	64QAM	1	24	20.43	20.45	20.40			
5	64QAM	12	0	19.90	19.74	19.87			
5	64QAM	12	7	19.73	19.66	19.90	21	1	
5	64QAM	12	13	19.50	19.78	19.71			
5	64QAM	25	0	19.62	19.53	19.72			
5	256QAM	1	0	17.72	17.70	17.69	19	3	
5	256QAM	1	12	17.64	17.75	17.76			
5	256QAM	1	24	17.47	17.51	17.64			
5	256QAM	12	0	17.94	17.75	17.82	19	3	
5	256QAM	12	7	17.92	17.54	17.78			
5	256QAM	12	13	17.54	17.76	17.64			
5	256QAM	25	0	17.26	17.48	17.56	19	3	
5	256QAM	25	0	17.26	17.48	17.56			
5	256QAM	25	0	17.26	17.48	17.56			

Band 41 Ant5 DSI4

Reduced Power Mode for DSI 3_Main PA

GSM850 Ant0 Default													
		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)				
Tx Channel		128	189	251		128	189	251					
Frequency (MHz)		824.2	836.4	848.8	824.2	836.4	848.8						
GSM 1 Tx slot		33.15	33.18	33.08	34.00	24.15	24.18	24.08	25.00				
GPRS 1 Tx slot		33.10	33.15	33.02	34.00	24.10	24.15	24.02	25.00				
GPRS 2 Tx slots		30.10	30.17	30.09	31.00	24.10	24.17	24.09	25.00				
GPRS 3 Tx slots		28.26	28.34	28.28	29.50	24.00	24.08	24.02	25.24				
GPRS 4 Tx slots		26.80	26.91	26.85	28.00	23.80	23.91	23.85	25.00				
EDGE 1 Tx slot		27.13	27.18	27.09	27.50	18.13	18.18	18.09	18.50				
EDGE 2 Tx slots		24.21	24.28	24.24	24.50	18.21	18.29	18.24	18.50				
EDGE 3 Tx slots		22.27	22.30	22.26	22.50	18.01	18.04	18.00	18.24				
EDGE 4 Tx slots		20.88	20.96	20.91	21.50	17.88	17.96	17.91	18.50				
GSM1900 Ant0 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		29.96	29.99	29.84	31.00	20.96	20.99	20.84	22.00				
GPRS 1 Tx slot		29.87	29.92	29.80	31.00	20.87	20.92	20.80	22.00				
GPRS 2 Tx slots		27.06	27.11	27.02	28.00	21.06	21.11	21.02	22.00				
GPRS 3 Tx slots		25.27	25.32	25.23	26.50	21.01	21.06	20.97	22.24				
GPRS 4 Tx slots		23.86	23.96	23.90	25.00	20.86	20.96	20.90	22.00				
EDGE 1 Tx slot		25.70	25.78	25.73	26.50	16.70	16.78	16.73	17.50				
EDGE 2 Tx slots		22.52	22.58	22.53	23.50	16.52	16.58	16.53	17.50				
EDGE 3 Tx slots		20.60	20.64	20.50	21.50	16.34	16.38	16.24	17.24				
EDGE 4 Tx slots		19.04	19.08	19.04	20.00	16.04	16.08	16.04	17.00				
WCDMA II Ant0 Default													
		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			
Tx Channel		9262	9400	9638		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	23.91	24.05	23.96	24.50	23.71	23.84	23.76	25.00	24.27	24.46	24.18	25.00
3GPP Rel 99	RMC 12.2Kbps	24.03	24.16	24.04	24.50	23.76	23.92	23.83	25.00	24.34	24.51	24.23	25.00
3GPP Rel 6	HSDPA Subtest-1	23.01	23.18	22.95	23.50	22.76	22.96	22.87	24.00	23.31	23.49	23.26	24.00
3GPP Rel 6	HSDPA Subtest-2	23.06	23.13	22.97	23.50	22.72	22.91	22.85	24.00	23.30	23.54	23.22	24.00
3GPP Rel 6	HSDPA Subtest-3	22.55	22.74	22.46	23.00	22.33	22.42	22.30	23.50	22.91	23.07	22.80	23.50
3GPP Rel 6	HSDPA Subtest-4	22.50	22.58	22.43	23.00	22.25	22.48	22.29	23.50	22.80	22.99	22.70	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.06	23.19	23.04	23.50	22.73	23.02	22.94	24.00	23.33	23.48	23.26	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.01	23.21	23.05	23.50	22.70	22.95	22.87	24.00	23.34	23.53	23.20	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.54	22.76	22.43	23.00	22.38	22.48	22.30	23.50	22.87	23.03	22.86	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.60	22.57	22.54	23.00	22.29	22.51	22.33	23.50	22.78	22.98	22.68	23.50
3GPP Rel 6	HSUPA Subtest-1	23.03	23.16	23.02	23.50	22.73	22.96	22.85	24.00	23.41	23.47	23.27	24.00
3GPP Rel 6	HSUPA Subtest-2	21.05	21.17	20.97	21.50	20.71	20.80	20.88	22.00	21.37	21.47	21.21	22.00
3GPP Rel 6	HSUPA Subtest-3	22.09	22.22	21.91	22.50	21.72	21.95	21.84	23.00	22.40	22.50	22.21	23.00
3GPP Rel 6	HSUPA Subtest-4	21.07	21.14	20.97	21.50	20.72	20.96	20.82	22.00	21.34	21.49	21.23	22.00
3GPP Rel 6	HSUPA Subtest-5	23.05	23.12	22.97	23.50	22.81	22.92	22.88	24.00	23.39	23.50	23.22	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.53	20.61	20.49	21.00	20.31	20.41	20.32	21.50	20.89	20.98	20.84	21.50

Band 38 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.94	24.08	23.97			
20	QPSK	1	49	23.91	24.06	23.97			
20	QPSK	1	99	23.79	23.88	23.75	24	1	
20	QPSK	50	0	22.91	23.03	22.91			
20	QPSK	50	24	22.90	22.95	22.85			
20	QPSK	50	50	22.89	22.94	22.81			
20	QPSK	100	0	22.83	22.96	22.83	24	1	
20	16QAM	1	0	22.91	22.99	22.94			
20	16QAM	1	49	22.94	23.04	22.96			
20	16QAM	1	99	22.77	22.92	22.77			
20	16QAM	50	0	22.01	22.05	21.94	23	2	
20	16QAM	50	24	21.90	21.96	21.92			
20	16QAM	50	50	21.87	22.01	21.93			
20	16QAM	100	0	22.07	22.11	22.07			
20	64QAM	1	0	21.81	21.87	21.73	23	2	
20	64QAM	1	49	21.72	21.84	21.81			
20	64QAM	1	99	21.86	21.93	21.86			
20	64QAM	50	0	21.00	21.12	21.03	22	3	
20	64QAM	50	24	21.02	21.06	21.00			
20	64QAM	50	50	20.93	20.97	20.94			
20	64QAM	100	0	21.01	21.08	20.95			
20	256QAM	1	0	18.83	18.94	18.84	20	5	
20	256QAM	1	49	18.97	19.01	18.97			
20	256QAM	1	99	18.93	19.07	19.04			
20	256QAM	50	0	19.03	19.12	19.04	20	5	
20	256QAM	50	24	18.99	19.03	18.96			
20	256QAM	50	50	18.97	18.98	18.93			
20	256QAM	100	0	19.04	19.10	19.02			
Channel				37825	38000	38175	25	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.78	24.04	23.86			
15	QPSK	1	37	23.85	24.00	23.94	24	1	
15	QPSK	1	74	23.70	23.81	23.71			
15	QPSK	36	0	22.82	22.96	22.84			
15	QPSK	36	20	22.80	22.83	22.75	24	1	
15	QPSK	36	39	22.82	22.87	22.74			
15	QPSK	75	0	22.79	22.86	22.73			
15	16QAM	1	0	22.81	22.89	22.90	24	1	
15	16QAM	1	37	22.81	22.90	22.83			
15	16QAM	1	74	22.71	22.80	22.67			
15	16QAM	36	0	21.94	21.95	21.81	23	2	
15	16QAM	36	20	21.77	21.91	21.83			
15	16QAM	36	39	21.79	21.93	21.87			
15	16QAM	75	0	22.01	22.08	21.96			
15	64QAM	1	0	21.72	21.73	21.70	23	2	
15	64QAM	1	37	21.63	21.74	21.66			
15	64QAM	1	74	21.75	21.80	21.76			
15	64QAM	36	0	20.97	21.02	20.97	22	3	
15	64QAM	36	20	20.91	21.03	20.86			
15	64QAM	36	39	20.83	20.93	20.87			
15	64QAM	75	0	20.90	20.97	20.86			
15	256QAM	1	0	18.74	18.86	18.78	20	5	
15	256QAM	1	37	18.82	18.97	18.83			
15	256QAM	1	74	18.82	19.02	18.93			
15	256QAM	36	0	18.94	18.98	19.00	20	5	
15	256QAM	36	20	18.87	18.95	18.87			
15	256QAM	36	39	18.81	18.94	18.87			
15	256QAM	75	0	18.96	19.05	18.97			
Channel				37800	38000	38200	25	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.77	23.97	23.85			
10	QPSK	1	25	23.84	23.93	23.93	24	1	
10	QPSK	1	49	23.66	23.82	23.68			
10	QPSK	25	0	22.81	22.89	22.84			
10	QPSK	25	12	22.80	22.90	22.81	24	1	
10	QPSK	25	25	22.85	22.85	22.71			
10	QPSK	50	0	22.79	22.90	22.70			
10	16QAM	1	0	22.76	22.95	22.89	24	1	
10	16QAM	1	25	22.91	22.93	22.91			
10	16QAM	1	49	22.70	22.78	22.69			
10	16QAM	25	0	21.91	21.99	21.80	23	2	
10	16QAM	25	12	21.82	21.90	21.81			
10	16QAM	25	25	21.82	21.82	21.89			
10	16QAM	50	0	21.97	21.98	21.96			
10	64QAM	1	0	21.72	21.79	21.67	23	2	
10	64QAM	1	25	21.67	21.75	21.76			
10	64QAM	1	49	21.82	21.86	21.72			
10	64QAM	25	0	20.94	21.08	20.90	22	3	
10	64QAM	25	12	20.96	20.98	20.88			
10	64QAM	25	25	20.81	20.92	20.90			
10	64QAM	50	0	20.98	20.97	20.89			
10	256QAM	1	0	18.75	18.85	18.79	20	5	
10	256QAM	1	25	18.83	18.95	18.92			
10	256QAM	1	49	18.78	18.98	18.99			
10	256QAM	25	0	18.98	18.99	18.91	20	5	
10	256QAM	25	12	18.88	18.96	18.93			
10	256QAM	25	25	18.76	18.92	18.88			
10	256QAM	50	0	18.99	18.98	18.92			
Channel				3777.5	38000	38225	25	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.77	23.94	23.89			
5	QPSK	1	12	23.85	23.99	23.95	24	1	
5	QPSK	1	24	23.75	23.74	23.68			
5	QPSK	12	0	22.83	22.96	22.87			
5	QPSK	12	7	22.77	22.91	22.76	24	1	
5	QPSK	12	13	22.78	22.81	22.67			
5	QPSK	25	0	22.68	22.89	22.79			
5	16QAM	1	0	22.76	22.92	22.83	24	1	
5	16QAM	1	12	22.86	22.91	22.89			
5	16QAM	1	24	22.63	22.87	22.63			
5	16QAM	12	0	21.88	21.97	21.86	23	2	
5	16QAM	12	7	21.76	21.92	21.87			
5	16QAM	12	13	21.80	21.95	21.89			
5	16QAM	25	0	21.93	22.05	22.04			
5	64QAM	1	0	21.67	21.80	21.62	23	2	
5	64QAM	1	12	21.85	21.72	21.88			
5	64QAM	1	24	21.83	21.90	21.79			
5	64QAM	12	0	20.88	21.03	20.93	22	3	
5	64QAM	12	7	20.97	21.00	20.93			
5	64QAM	12	13	20.85	20.83	20.90			
5	64QAM	25	0	20.94	21.02	20.86			
5	256QAM	1	0	18.71	18.90	18.72	20	5	
5	256QAM	1	12	18.93	18.95	18.85			
5	256QAM	1	24	18.85	18.95	18.92			
5	256QAM	12	0	18.95	19.06	19.00	20	5	
5	256QAM	12	7	18.84	18.99	18.92			
5	256QAM	12	13	18.83	18.90	18.87			
5	256QAM	25	0	19.00	18.97	18.90			

Band 41 Ant0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.98	24.09	24.19	24.02	24.07	25	0
20	QPSK	1	49	23.96	24.06	24.10	23.98	24.03		
20	QPSK	1	99	23.92	23.90	24.02	23.93	23.97		
20	QPSK	50	0	22.98	23.06	23.11	22.99	23.04	24	1
20	QPSK	50	24	22.89	22.95	23.03	22.98	22.97		
20	QPSK	50	50	22.83	22.88	22.95	22.80	22.81		
20	QPSK	100	0	22.84	22.90	23.01	22.94	22.96	24	1
20	16QAM	1	0	23.09	23.10	23.16	23.12	23.08		
20	16QAM	1	49	22.92	22.95	23.01	22.98	22.93		
20	16QAM	1	99	23.07	23.02	23.10	22.97	22.97	23	2
20	16QAM	50	0	22.01	22.07	22.15	22.09	22.03		
20	16QAM	50	24	21.96	21.96	22.06	22.00	21.95		
20	16QAM	50	50	21.93	21.97	22.03	21.98	21.90	23	2
20	16QAM	100	0	22.03	22.04	22.14	22.03	22.05		
20	64QAM	1	0	22.92	21.93	22.07	21.92	22.00		
20	64QAM	1	49	21.88	21.93	21.98	21.96	21.89	22	3
20	64QAM	1	99	21.89	21.80	22.02	21.92	21.86		
20	64QAM	50	0	21.10	21.10	21.18	21.09	21.07		
20	64QAM	50	24	20.92	20.92	21.06	20.91	20.91	20	5
20	64QAM	50	50	20.95	20.93	21.01	20.92	20.86		
20	64QAM	100	0	21.04	21.08	21.15	21.07	21.07		
20	256QAM	1	0	19.01	19.01	19.08	19.04	19.00	20	5
20	256QAM	1	49	18.93	18.86	18.98	18.93	18.90		
20	256QAM	1	99	19.05	19.06	19.11	18.96	19.04		
20	256QAM	50	0	19.15	19.04	19.19	19.08	19.05	20	5
20	256QAM	50	24	18.97	18.95	19.07	18.97	18.94		
20	256QAM	50	50	18.98	19.01	19.11	19.05	19.07		
20	256QAM	100	0	19.02	19.11	19.15	19.09	19.10		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.4	2682.5		
15	QPSK	1	0	23.91	23.95	24.13	23.99	23.96	25.00	0
15	QPSK	1	37	23.89	23.95	23.97	23.91	23.88		
15	QPSK	1	74	23.78	23.80	23.93	23.80	23.91		
15	QPSK	36	0	22.92	22.95	22.99	22.91	23.01	24	1
15	QPSK	36	20	22.85	22.93	22.97	22.84	22.93		
15	QPSK	36	39	22.68	22.76	22.89	22.76	22.76		
15	QPSK	75	0	22.84	22.86	22.91	22.80	22.81	24	1
15	16QAM	1	0	23.03	22.96	23.11	23.08	23.04		
15	16QAM	1	37	22.79	22.89	22.89	22.92	22.82		
15	16QAM	1	74	22.92	22.97	23.05	22.82	22.88	23	2
15	16QAM	36	0	21.89	21.99	22.02	22.01	21.98		
15	16QAM	36	20	21.86	21.84	21.96	21.89	21.86		
15	16QAM	36	39	21.87	21.89	21.95	21.90	21.84	23	2
15	16QAM	75	0	21.98	21.95	22.11	21.93	22.00		
15	64QAM	1	0	21.96	21.83	21.93	21.80	21.94		
15	64QAM	1	37	21.76	21.87	21.96	21.78	21.86	23	2
15	64QAM	1	74	21.79	21.82	21.96	21.84	21.86		
15	64QAM	36	0	21.02	20.97	21.09	21.05	20.99		
15	64QAM	36	20	20.80	20.84	20.93	20.81	20.84	22	3
15	64QAM	36	39	20.86	20.79	20.96	20.84	20.79		
15	64QAM	75	0	20.91	20.97	21.05	20.96	20.99		
15	256QAM	1	0	18.92	18.90	18.94	18.92	18.96	20	5
15	256QAM	1	37	18.85	18.82	18.94	18.85	18.78		
15	256QAM	1	74	19.01	18.93	19.07	18.90	18.96		
15	256QAM	36	74	19.03	18.93	19.13	18.99	18.96	20	5
15	256QAM	36	20	18.94	18.90	18.99	18.91	18.89		
15	256QAM	36	39	18.95	18.90	18.98	19.01	18.93		
15	256QAM	75	0	18.92	19.02	19.10	18.96	19.03		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.89	23.96	24.08	23.98	24.04	25.00	0
10	QPSK	1	25	23.86	23.94	24.01	23.86	23.95		
10	QPSK	1	49	23.87	23.77	23.97	23.90	23.86		
10	QPSK	25	0	22.84	23.00	22.96	22.85	22.90	24	1
10	QPSK	25	12	22.83	22.91	22.91	22.94	22.87		
10	QPSK	25	25	22.72	22.74	22.91	22.74	22.70		
10	QPSK	50	0	22.83	22.83	22.94	22.79	22.89	24	1
10	16QAM	1	0	22.94	23.03	23.12	23.05	23.01		
10	16QAM	1	25	22.89	22.80	22.91	22.84	22.84		
10	16QAM	1	49	23.01	22.91	23.06	22.89	22.83	23	2
10	16QAM	25	0	21.93	22.03	22.08	21.95	22.00		
10	16QAM	25	12	21.85	21.88	21.97	21.89	21.83		
10	16QAM	25	25	21.84	21.86	21.98	21.80	21.83	23	2
10	16QAM	50	0	21.99	21.94	22.05	21.92	21.93		
10	64QAM	1	0	21.96	21.83	22.02	21.77	21.88		
10	64QAM	1	25	21.76	21.79	21.94	21.75	21.80	23	2
10	64QAM	1	49	21.79	21.81	21.97	21.81	21.91		
10	64QAM	25	0	20.98	21.02	21.11	21.04	20.95		
10	64QAM	25	12	20.89	20.85	20.96	20.83	20.83	22	3
10	64QAM	25	25	20.91	20.83	20.96	20.78	20.80		
10	64QAM	50	0	21.00	21.05	21.00	20.96	21.01		
10	256QAM	1	0	18.87	18.93	18.94	18.93	18.93	20	5
10	256QAM	1	25	18.81	18.79	18.86	18.84	18.75		
10	256QAM	1	49	19.01	18.96	19.01	18.81	18.91		
10	256QAM	25	0	19.01	18.97	19.10	19.00	18.95	20	5
10	256QAM	25	12	18.85	18.84	18.95	18.86	18.82		
10	256QAM	25	25	18.84	18.87	18.96	19.01	18.98		
10	256QAM	50	0	18.91	18.98	19.01	18.96	19.04		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dbm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
5	QPSK	1	0	23.90	23.99	24.07	23.91	24.01	25.00	0
5	QPSK	1	12	23.85	23.92	24.02	23.93	23.88		
5	QPSK	1	24	23.86	23.85	23.93	23.80	23.92		
5	QPSK	12	0	22.85	22.86	23.06	22.87	23.00	24	1
5	QPSK	12	7	22.80	22.85	22.98	22.92	22.91		
5	QPSK	12	13	22.69	22.81	22.91	22.69	22.68		
5	QPSK	25	0	22.82	22.81	22.93	22.91	22.90	24	1
5	16QAM	1	0	22.98	23.03	23.08	22.98	22.99		
5	16QAM	1	12	22.83	22.85	22.95	22.86	22.87		
5	16QAM	1	24	22.97	22.98	23.00	22.94	22.89	23	2
5	16QAM	12	0	21.91	22.02	22.01	22.02	21.96		
5	16QAM	12	7	21.82	21.92	21.97	21.86	21.91		
5	16QAM	12	13	21.80	21.87	21.97	21.84	21.85	23	2
5	16QAM	25	0	21.98	21.95	22.05	21.96	21.92		
5	64QAM	1	0	21.95	21.83	22.08	21.88	21.96		
5	64QAM	1	12	21.81	21.82	21.88	21.81	21.79	23	2
5	64QAM	1	24	21.75	21.76	21.93	21.79	21.87		
5	64QAM	12	0	21.02	21.04	21.04	21.05	20.97		
5	64QAM	12	7	20.80	20.80	20.97	20.85	20.76	22	3
5	64QAM	12	13	20.81	20.84	20.89	20.79	20.80		
5	64QAM	25	0	20.93	21.03	21.09	20.98	20.89		
5	256QAM	1	0	18.92	18.98	18.99	18.92	18.94	20	5
5	256QAM	1	12	18.89	18.81	18.94	18.86	18.77		
5	256QAM	1	24	19.00	19.00	19.07	18.86	18.96		
5	256QAM	12	0	19.05	18.94	19.08	18.99	18.92	20	5
5	256QAM	12	7	18.88	18.90	19.00	18.88	18.90		
5	256QAM	12	13	18.94	18.90	19.02	18.95	18.96		
5	256QAM	25	0	18.93	18.97	19.04	19.03	19.02		

GSM850 Ant1 Default

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	188	261		128	188	261	
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	32.89	32.93	32.87	34.50	23.89	23.93	23.87	25.50
GPRS 2 Tx slot	32.82	32.89	32.83	34.50	23.82	23.89	23.83	25.50
GPRS 3 Tx slots	29.93	29.96	29.93	31.50	23.93	23.96	23.93	25.50
GPRS 4 Tx slots	28.02	28.12	28.06	30.00	23.76	23.86	23.80	25.74
EDGE 1 Tx slot	26.61	26.75	26.71	28.50	23.61	23.75	23.71	25.50
EDGE 2 Tx slot	26.96	27.05	26.97	28.00	17.96	18.05	17.97	19.00
EDGE 3 Tx slots	24.12	24.16	24.08	25.00	18.12	18.16	18.08	19.00
EDGE 4 Tx slots	22.16	22.21	22.13	23.00	17.90	17.95	17.87	18.74
EDGE 4 Tx slots	20.64	20.78	20.64	22.00	17.64	17.78	17.64	19.00

WCDMA V Ant1 Default

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.77	24.03	23.69	25.50
3GPP Rel 99	RMG 12.2Kbps	23.79	24.12	23.72	25.50
3GPP Rel 6	HSDPA Subtest-1	22.94	23.08	22.85	24.50
3GPP Rel 6	HSDPA Subtest-2	22.89	23.17	22.84	24.50
3GPP Rel 6	HSDPA Subtest-3	22.48	22.70	22.37	24.00
3GPP Rel 6	HSDPA Subtest-4	22.43	22.57	22.33	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.95	23.05	22.83	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.94	23.18	22.80	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.48	22.63	22.45	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.39	22.56	22.29	24.00
3GPP Rel 6	HSUPA Subtest-1	23.03	23.12	22.85	24.50
3GPP Rel 6	HSUPA Subtest-2	20.96	21.11	20.86	22.50
3GPP Rel 6	HSUPA Subtest-3	21.99	22.15	21.78	23.50
3GPP Rel 6	HSUPA Subtest-4	20.97	21.13	20.87	22.50
3GPP Rel 6	HSUPA Subtest-5	22.98	23.10	22.85	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.32	20.65	20.42	22.00

Band 38 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.85	22.94	22.69	24	0	
20	QPSK	1	49	22.74	22.81	22.81			
20	QPSK	1	99	22.80	22.68	22.86			
20	QPSK	50	0	21.79	21.88	21.82			
20	QPSK	50	24	21.71	21.76	21.76	23	1	
20	QPSK	50	50	21.74	21.68	21.66			
20	QPSK	100	0	21.72	21.86	21.70			
20	16QAM	1	0	21.81	21.84	21.85			
20	16QAM	1	49	21.81	21.68	21.86	23	1	
20	16QAM	1	99	21.75	21.66	21.82			
20	16QAM	50	0	20.83	20.85	20.82			
20	16QAM	50	24	20.80	20.80	20.80			
20	16QAM	50	50	20.68	20.71	20.72	22	2	
20	16QAM	100	0	20.74	20.77	20.73			
20	64QAM	1	0	20.82	20.85	20.87			
20	64QAM	1	49	20.78	20.83	20.77			
20	64QAM	1	99	20.73	20.70	20.78	22	2	
20	64QAM	50	0	19.86	19.87	19.87			
20	64QAM	50	24	19.73	19.81	19.81			
20	64QAM	50	50	19.70	19.72	19.71			
20	64QAM	100	0	19.76	19.78	19.78	21	3	
20	256QAM	1	0	17.79	17.86	17.82			
20	256QAM	1	49	17.76	17.83	17.82			
20	256QAM	1	99	17.66	17.68	17.71			
20	256QAM	50	0	17.91	17.92	17.88	19	5	
20	256QAM	50	24	17.85	17.85	17.87			
20	256QAM	50	50	17.69	17.76	17.72			
20	256QAM	100	0	17.74	17.79	17.75			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.85	22.88	22.69			
15	QPSK	1	37	22.73	22.75	22.82	24	0	
15	QPSK	1	74	22.79	22.74	22.82			
15	QPSK	36	0	21.83	21.84	21.77			
15	QPSK	36	20	21.72	21.70	21.72			
15	QPSK	36	39	21.66	21.69	21.66	23	1	
15	QPSK	75	0	21.77	21.69	21.71			
15	16QAM	1	0	21.87	21.84	21.83			
15	16QAM	1	37	21.86	21.78	21.83			
15	16QAM	1	74	21.80	21.68	21.79	23	1	
15	16QAM	36	0	20.89	20.83	20.84			
15	16QAM	36	20	20.85	20.78	20.80			
15	16QAM	36	39	20.72	20.70	20.72			
15	16QAM	75	0	20.75	20.77	20.69	22	2	
15	64QAM	1	0	20.80	20.83	20.88			
15	64QAM	1	37	20.77	20.76	20.78			
15	64QAM	1	74	20.76	20.74	20.80			
15	64QAM	36	0	19.88	19.83	19.82	22	2	
15	64QAM	36	20	19.74	19.78	19.81			
15	64QAM	36	39	19.70	19.69	19.70			
15	64QAM	75	0	19.76	19.74	19.73			
15	256QAM	1	0	17.81	17.85	17.78	21	3	
15	256QAM	1	37	17.75	17.80	17.78			
15	256QAM	1	74	17.70	17.73	17.66			
15	256QAM	36	0	17.90	17.88	17.85			
15	256QAM	36	20	17.87	17.81	17.83	19	5	
15	256QAM	36	39	17.67	17.72	17.73			
15	256QAM	75	0	17.75	17.75	17.74			
15	256QAM	75	0	17.75	17.75	17.74			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.85	22.87	22.75			
10	QPSK	1	25	22.77	22.89	22.81	24	0	
10	QPSK	1	49	22.88	22.70	22.82			
10	QPSK	25	0	21.85	21.86	21.81			
10	QPSK	25	12	21.74	21.77	21.73			
10	QPSK	25	25	21.67	21.68	21.66	23	1	
10	QPSK	50	0	21.75	21.78	21.73			
10	16QAM	1	0	21.87	21.92	21.89			
10	16QAM	1	25	21.86	21.87	21.85			
10	16QAM	1	49	21.82	21.72	21.82	23	1	
10	16QAM	25	0	20.84	20.90	20.85			
10	16QAM	25	12	20.88	20.84	20.78			
10	16QAM	25	25	20.75	20.72	20.71			
10	16QAM	50	0	20.75	20.82	20.69	22	2	
10	16QAM	50	0	20.75	20.82	20.86			
10	64QAM	1	0	20.83	20.90	20.86			
10	64QAM	1	25	20.85	20.84	20.73			
10	64QAM	1	49	20.75	20.73	20.80	22	2	
10	64QAM	25	0	19.87	19.87	19.86			
10	64QAM	25	12	19.74	19.82	19.79			
10	64QAM	25	25	19.78	19.76	19.73			
10	64QAM	50	0	19.78	19.84	19.74	21	3	
10	256QAM	1	0	17.82	17.94	17.85			
10	256QAM	1	25	17.81	17.86	17.84			
10	256QAM	1	49	17.71	17.74	17.66			
10	256QAM	25	0	17.97	17.92	17.91	19	5	
10	256QAM	25	12	17.89	17.86	17.89			
10	256QAM	25	25	17.76	17.80	17.72			
10	256QAM	50	0	17.68	17.81	17.72			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.75	22.82	22.68			
5	QPSK	1	12	22.67	22.78	22.80	24	0	
5	QPSK	1	24	22.77	22.69	22.83			
5	QPSK	12	0	21.74	21.84	21.81			
5	QPSK	12	7	21.66	21.73	21.73			
5	QPSK	12	13	21.76	21.72	21.71	23	1	
5	QPSK	25	0	21.68	21.75	21.68			
5	16QAM	1	0	21.74	21.85	21.82			
5	16QAM	1	12	21.78	21.89	21.83			
5	16QAM	1	24	21.66	21.67	21.76	23	1	
5	16QAM	12	0	20.75	20.86	20.79			
5	16QAM	12	7	20.76	20.81	20.78			
5	16QAM	12	13	20.70	20.72	20.67			
5	16QAM	25	0	20.67	20.79	20.68	22	2	
5	16QAM	25	0	20.75	20.81	20.80			
5	64QAM	1	0	20.74	20.82	20.70			
5	64QAM	1	12	20.66	20.69	20.74			
5	64QAM	12	0	19.76	19.85	19.84	22	2	
5	64QAM	12	7	19.70	19.79	19.74			
5	64QAM	12	13	19.66	19.71	19.66			
5	64QAM	25	0	19.71	19.80	19.78			
5	256QAM	1	0	17.71	17.88	17.75	21	3	
5	256QAM	1	12	17.67	17.83	17.77			
5	256QAM	1	24	17.70	17.66	17.69			
5	256QAM	12	0	17.85	17.93	17.81			
5	256QAM	12	7	17.77	17.83	17.83	19	5	
5	256QAM	12	13	17.69	17.74	17.74			
5	256QAM	25	0	17.66	17.78	17.71			
5	256QAM	25	0	17.66	17.78	17.71			

Band 41 Ant1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.88	22.69	22.94	22.79	22.80	24	0
20	QPSK	1	49	22.78	22.73	22.86	22.78	22.82		
20	QPSK	1	99	22.73	22.66	22.75	22.72	22.79		
20	QPSK	50	0	21.78	21.81	21.90	21.77	21.83		
20	QPSK	50	24	21.68	21.67	21.79	21.75	21.71	23	1
20	QPSK	50	50	21.66	21.72	21.72	21.73	21.72		
20	QPSK	100	0	21.77	21.78	21.88	21.73	21.71		
20	16QAM	1	0	21.80	21.81	21.84	21.80	21.77	23	1
20	16QAM	1	49	21.81	21.84	21.86	21.81	21.84		
20	16QAM	1	99	21.75	21.68	21.67	21.79	21.82		
20	16QAM	50	0	20.77	20.80	20.89	20.78	20.82		
20	16QAM	50	24	20.73	20.75	20.84	20.76	20.72	22	2
20	16QAM	50	50	20.70	20.69	20.71	20.68	20.70		
20	16QAM	100	0	20.69	20.68	20.82	20.69	20.72		
20	64QAM	1	0	20.75	20.80	20.86	20.73	20.78		
20	64QAM	1	49	20.74	20.70	20.84	20.74	20.71	22	2
20	64QAM	1	99	20.67	20.69	20.70	20.71	20.72		
20	64QAM	50	0	19.80	19.82	19.89	19.80	19.80		
20	64QAM	50	24	19.75	19.67	19.81	19.69	19.75	21	3
20	64QAM	50	50	19.70	19.67	19.75	19.66	19.67		
20	64QAM	100	0	19.68	19.69	19.75	19.72	19.75		
20	256QAM	1	0	17.73	17.77	17.83	17.73	17.72		
20	256QAM	1	49	17.79	17.74	17.85	17.75	17.76	19	5
20	256QAM	1	99	17.77	17.69	17.75	17.74	17.73		
20	256QAM	50	0	17.86	17.79	17.93	17.87	17.81		
20	256QAM	50	24	17.74	17.79	17.86	17.77	17.72	19	5
20	256QAM	50	50	17.69	17.66	17.78	17.71	17.68		
20	256QAM	100	0	17.70	17.70	17.78	17.70	17.72		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.89	22.68	22.91	22.78	22.79	24.0	0
15	QPSK	1	37	22.78	22.70	22.84	22.76	22.72		
15	QPSK	1	74	22.75	22.67	22.79	22.73	22.82		
15	QPSK	36	0	21.76	21.83	21.88	21.79	21.82		
15	QPSK	36	20	21.72	21.69	21.78	21.68	21.68	23	1
15	QPSK	36	39	21.68	21.69	21.74	21.67	21.71		
15	QPSK	75	0	21.77	21.77	21.77	21.73	21.73		
15	16QAM	1	0	21.82	21.81	21.81	21.70	21.76	23	1
15	16QAM	1	37	21.80	21.84	21.84	21.80	21.82		
15	16QAM	1	74	21.76	21.70	21.70	21.77	21.80		
15	16QAM	36	0	20.73	20.80	20.92	20.81	20.83		
15	16QAM	36	20	20.77	20.73	20.82	20.74	20.75	22	2
15	16QAM	36	39	20.72	20.67	20.73	20.69	20.68		
15	16QAM	75	0	20.73	20.67	20.85	20.67	20.70		
15	64QAM	1	0	20.73	20.79	20.88	20.69	20.81		
15	64QAM	1	37	20.71	20.67	20.83	20.75	20.68	22	2
15	64QAM	1	74	20.68	20.71	20.72	20.70	20.68		
15	64QAM	36	0	19.82	19.83	19.89	19.77	19.82		
15	64QAM	36	20	19.75	19.73	19.80	19.70	19.73	21	3
15	64QAM	36	39	19.72	19.69	19.75	19.68	19.68		
15	64QAM	75	0	19.71	19.68	19.72	19.71	19.70		
15	256QAM	1	0	17.72	17.80	17.81	17.72	17.73		
15	256QAM	1	37	17.79	17.77	17.88	17.79	17.74	19	5
15	256QAM	1	74	17.74	17.72	17.64	17.72	17.70		
15	256QAM	36	0	17.83	17.76	17.82	17.84	17.81		
15	256QAM	36	20	17.75	17.71	17.80	17.71	17.74	19	5
15	256QAM	36	39	17.67	17.69	17.80	17.69	17.71		
15	256QAM	75	0	17.70	17.67	17.77	17.64	17.69		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.88	22.66	22.87	22.77	22.82	24.0	0
10	QPSK	1	25	22.74	22.69	22.83	22.74	22.71		
10	QPSK	1	49	22.72	22.66	22.73	22.71	22.78		
10	QPSK	25	0	21.75	21.82	21.80	21.77	21.85	23	1
10	QPSK	25	12	21.68	21.66	21.80	21.73	21.69		
10	QPSK	25	25	21.67	21.72	21.73	21.69	21.71		
10	QPSK	50	0	21.77	21.77	21.85	21.72	21.72		
10	16QAM	1	0	21.81	21.83	21.91	21.80	21.77	23	1
10	16QAM	1	25	21.79	21.86	21.92	21.81	21.80		
10	16QAM	1	49	21.77	21.70	21.68	21.75	21.85		
10	16QAM	25	0	20.77	20.76	20.90	20.81	20.84		
10	16QAM	25	12	20.73	20.74	20.83	20.76	20.74	22	2
10	16QAM	25	25	20.73	20.67	20.72	20.68	20.72		
10	16QAM	50	0	20.67	20.72	20.85	20.70	20.70		
10	64QAM	1	0	20.73	20.82	20.89	20.73	20.79	22	2
10	64QAM	1	25	20.75	20.71	20.80	20.78	20.67		
10	64QAM	1	49	20.73	20.70	20.67	20.70	20.69		
10	64QAM	25	0	19.81	19.83	19.90	19.78	19.76		
10	64QAM	25	12	19.75	19.69	19.77	19.69	19.73	21	3
10	64QAM	25	25	19.72	19.72	19.75	19.68	19.68		
10	64QAM	50	0	19.71	19.69	19.75	19.70	19.68		
10	256QAM	1	0	17.74	17.77	17.82	17.77	17.70		
10	256QAM	1	25	17.76	17.74	17.83	17.77	17.74		
10	256QAM	1	49	17.79	17.68	17.70	17.67	17.72		
10	256QAM	25	0	17.85	17.78	17.94	17.91	17.80		
10	256QAM	25	12	17.78	17.78	17.82	17.76	17.73	19	5
10	256QAM	25	25	17.72	17.65	17.79	17.73	17.68		
10	256QAM	50	0	17.67	17.67	17.81	17.67	17.69		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.88	22.69	22.91	22.76	22.83	24.0	0
5	QPSK	1	12	22.79	22.75	22.90	22.79	22.70		
5	QPSK	1	24	22.75	22.67	22.87	22.73	22.75		
5	QPSK	12	0	21.77	21.79	21.89	21.73	21.84	23	1
5	QPSK	12	7	21.68	21.70	21.80	21.71	21.69		
5	QPSK	12	13	21.66	21.69	21.75	21.69	21.67		
5	QPSK	25	0	21.76	21.80	21.86	21.74	21.68		
5	16QAM	1	0	21.76	21.78	21.87	21.78	21.79		
5	16QAM	1	12	21.82	21.86	21.92	21.83	21.86	23	1
5	16QAM	1	24	21.76	21.67	21.67	21.81	21.80		
5	16QAM	12	0	20.76	20.78	20.88	20.82	20.83		
5	16QAM	12	7	20.73	20.78	20.87	20.76	20.73	22	2
5	16QAM	12	13	20.67	20.71	20.69	20.70	20.73		
5	16QAM	25	0	20.70	20.67	20.82	20.72	20.74		
5	64QAM	1	0	20.76	20.81	20.89	20.72	20.77		
5	64QAM	1	12	20.76	20.71	20.82	20.73	20.75	22	2
5	64QAM	1	24	20.69	20.65	20.73	20.68	20.72		
5	64QAM	12	0	19.77	19.84	19.89	19.82	19.78		
5	64QAM	12	7	19.78	19.67	19.81	19.72	19.75	21	3
5	64QAM	12	13	19.66	19.68	19.77	19.66	19.69		
5	64QAM	25	0	19.70	19.68	19.78	19.73	19.71		
5	256QAM	1	0	17.73	17.75	17.82	17.77	17.74		
5	256QAM	1	12	17.78	17.71	17.85	17.72	17.73	19	5
5	256QAM	1	24	17.78	17.68	17.67	17.66	17.66		
5	256QAM	12	0	17.87	17.77	17.97	17.88	17.82		
5	256QAM	12	7	17.77	17.82	17.88	17.75	17.69		
5	256QAM	12	13	17.66	17.66	17.75	17.73	17.70	19	
5	256QAM	25	0	17.67	17.72	17.74	17.63	17.75		

GSM1900 Ant2 Default

GSM1900	Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame Average Power (dbm)			Tune-up Limit (dbm)
	TX Channel	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.78	29.86	29.81	31.50	20.78	20.86	20.81	22.50
GPRS 1 Tx slot	29.78	29.81	29.76	31.50	20.78	20.81	20.76	22.50
GPRS 2 Tx slots	26.79	26.94	26.85	28.50	20.79	20.94	20.85	22.50
GPRS 3 Tx slots	25.08	25.12	25.01	27.00	20.82	20.86	20.75	22.74
GPRS 4 Tx slots	23.62	23.74	23.95	25.50	20.62	20.74	20.59	22.50
EDGE 1 Tx slot	25.69	25.82	25.72	27.00	16.69	16.82	16.72	18.00
EDGE 2 Tx slots	22.61	22.71	22.63	24.00	16.61	16.71	16.63	18.00
EDGE 3 Tx slots	20.74	20.80	20.71	22.00	16.48	16.54	16.45	17.74
EDGE 4 Tx slots	18.99	19.14	19.04	20.50	15.99	16.14	16.04	17.50

WCDMA II Ant2 Default

WCDMA IV Ant2 Default

Band	WCDMA II			Tune-up Limit (dbm)	WCDMA IV			Tune-up Limit (dbm)
	TX Channel	9252	9400		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2kbps	23.67	23.71	23.61	25.50	23.73	23.96	23.93	25.50
3GPP Rel 99 RMC 12.2kbps	23.76	23.82	23.65	25.50	23.77	24.06	23.91	25.50
3GPP Rel 6 HSDPA Subtest-1	22.78	22.74	22.61	24.50	22.87	23.00	22.76	24.50
3GPP Rel 6 HSDPA Subtest-2	22.78	22.77	22.66	24.50	22.85	23.08	22.77	24.50
3GPP Rel 6 HSDPA Subtest-3	22.32	22.34	22.20	24.00	22.45	22.60	22.32	24.00
3GPP Rel 6 HSDPA Subtest-4	22.25	22.28	22.08	24.00	22.32	22.53	22.20	24.00
3GPP Rel 8 DC-HSDPA Subtest-1	22.71	22.76	22.56	24.50	22.89	22.99	22.82	24.50
3GPP Rel 8 DC-HSDPA Subtest-2	22.76	22.77	22.66	24.50	22.89	23.10	22.75	24.50
3GPP Rel 8 DC-HSDPA Subtest-3	22.28	22.27	22.17	24.00	22.37	22.55	22.40	24.00
3GPP Rel 8 DC-HSDPA Subtest-4	22.20	22.24	22.06	24.00	22.34	22.54	22.17	24.00
3GPP Rel 6 HSUPA Subtest-1	22.73	22.72	22.54	24.50	22.91	23.03	22.79	24.50
3GPP Rel 6 HSUPA Subtest-2	20.74	20.74	20.59	22.50	20.92	20.99	20.76	22.50
3GPP Rel 6 HSUPA Subtest-3	21.74	21.77	21.64	23.50	21.96	22.01	21.74	23.50
3GPP Rel 6 HSUPA Subtest-4	20.74	20.75	20.63	22.50	20.89	21.01	20.79	22.50
3GPP Rel 6 HSUPA Subtest-5	22.75	22.78	22.61	24.50	22.93	23.04	22.78	24.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.21	20.35	20.31	22.00	20.42	20.56	20.41	22.00

Band 38 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2596	2610				
20	QPSK	1	0	23.55	23.57	23.52	24.5	0		
20	QPSK	1	49	23.40	23.53	23.45				
20	QPSK	1	99	23.27	23.35	23.23				
20	QPSK	50	0	22.52	22.58	22.45				
20	QPSK	50	24	22.36	22.48	22.36				
20	QPSK	50	50	22.35	22.41	22.34	23.5	1		
20	QPSK	100	0	22.45	22.52	22.43				
20	16QAM	1	0	22.44	22.47	22.45				
20	16QAM	1	49	22.27	22.38	22.25				
20	16QAM	1	99	22.30	22.38	22.26				
20	16QAM	50	0	21.47	21.55	21.44	22.5	2		
20	16QAM	50	24	21.37	21.48	21.38				
20	16QAM	50	50	21.24	21.37	21.26				
20	16QAM	100	0	21.34	21.48	21.36				
20	64QAM	1	0	21.50	21.57	21.48				
20	64QAM	1	49	21.42	21.50	21.42	22.5	2		
20	64QAM	1	99	21.32	21.29	21.35				
20	64QAM	50	0	20.47	20.54	20.41				
20	64QAM	50	24	20.39	20.47	20.40				
20	64QAM	50	50	20.33	20.39	20.30				
20	64QAM	100	0	20.41	20.51	20.44	21.5	3		
20	256QAM	1	0	18.48	18.55	18.47				
20	256QAM	1	49	18.44	18.53	18.39				
20	256QAM	1	99	18.40	18.30	18.37				
20	256QAM	50	0	18.46	18.58	18.46				
20	256QAM	50	24	18.42	18.52	18.44	19.5	5		
20	256QAM	50	50	18.34	18.46	18.34				
20	256QAM	100	0	18.34	18.47	18.40				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2596	2612.5				
15	QPSK	1	0	23.45	23.46	23.42	24.5	0		
15	QPSK	1	37	23.27	23.43	23.34				
15	QPSK	1	74	23.18	23.23	23.15				
15	QPSK	36	0	22.44	22.49	22.37				
15	QPSK	36	20	22.24	22.38	22.25				
15	QPSK	36	39	22.26	22.30	22.24	23.5	1		
15	QPSK	75	0	22.34	22.40	22.35				
15	16QAM	1	0	22.31	22.40	22.33				
15	16QAM	1	37	22.16	22.25	22.16				
15	16QAM	1	74	22.17	22.29	22.20				
15	16QAM	36	0	21.37	21.46	21.32	22.5	2		
15	16QAM	36	20	21.27	21.38	21.28				
15	16QAM	36	39	21.15	21.25	21.16				
15	16QAM	75	0	21.26	21.42	21.29				
15	64QAM	1	0	21.42	21.47	21.38				
15	64QAM	1	37	21.33	21.37	21.35	22.5	2		
15	64QAM	1	74	21.23	21.15	21.27				
15	64QAM	36	0	20.37	20.43	20.31				
15	64QAM	36	20	20.28	20.38	20.34				
15	64QAM	36	39	20.20	20.27	20.20				
15	64QAM	75	0	20.33	20.42	20.35	21.5	3		
15	256QAM	1	0	18.38	18.46	18.36				
15	256QAM	1	37	18.31	18.45	18.32				
15	256QAM	1	74	18.32	18.18	18.25				
15	256QAM	36	0	18.33	18.49	18.32				
15	256QAM	36	20	18.30	18.41	18.35	19.5	5		
15	256QAM	36	39	18.22	18.40	18.24				
15	256QAM	75	0	18.25	18.41	18.29				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2596	2615				
10	QPSK	1	0	23.48	23.50	23.45	24.5	0		
10	QPSK	1	25	23.28	23.46	23.38				
10	QPSK	1	49	23.16	23.24	23.16				
10	QPSK	25	0	22.43	22.47	22.34				
10	QPSK	25	12	22.29	22.39	22.25				
10	QPSK	25	25	22.23	22.29	22.22	23.5	1		
10	QPSK	50	0	22.33	22.39	22.33				
10	16QAM	1	0	22.33	22.34	22.34				
10	16QAM	1	25	22.20	22.28	22.12				
10	16QAM	1	49	22.22	22.24	22.18				
10	16QAM	25	0	21.39	21.43	21.37	22.5	2		
10	16QAM	25	12	21.25	21.40	21.27				
10	16QAM	25	25	21.13	21.25	21.13				
10	16QAM	50	0	21.24	21.38	21.27				
10	64QAM	1	0	21.38	21.45	21.39				
10	64QAM	1	25	21.34	21.42	21.35	22.5	2		
10	64QAM	1	49	21.23	21.20	21.26				
10	64QAM	25	0	20.38	20.42	20.29				
10	64QAM	25	12	20.27	20.41	20.29				
10	64QAM	25	25	20.26	20.33	20.23				
10	64QAM	50	0	20.29	20.40	20.32	21.5	3		
10	256QAM	1	0	18.42	18.44	18.36				
10	256QAM	1	25	18.36	18.43	18.31				
10	256QAM	1	49	18.28	18.16	18.26				
10	256QAM	25	0	18.39	18.47	18.36				
10	256QAM	25	12	18.31	18.41	18.32	19.5	5		
10	256QAM	25	25	18.25	18.33	18.25				
10	256QAM	50	0	18.21	18.37	18.32				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2596	2617.5				
5	QPSK	1	0	23.43	23.44	23.43	24.5	0		
5	QPSK	1	12	23.33	23.41	23.33				
5	QPSK	1	24	23.19	23.25	23.14				
5	QPSK	12	0	22.46	22.48	22.35				
5	QPSK	12	7	22.30	22.39	22.26				
5	QPSK	12	13	22.26	22.31	22.28	23.5	1		
5	QPSK	25	0	22.37	22.38	22.30				
5	16QAM	1	0	22.35	22.39	22.37				
5	16QAM	1	12	22.19	22.24	22.12				
5	16QAM	1	24	22.22	22.30	22.15				
5	16QAM	12	0	21.40	21.46	21.36	22.5	2		
5	16QAM	12	7	21.30	21.39	21.31				
5	16QAM	12	13	21.11	21.25	21.15				
5	16QAM	25	0	21.27	21.39	21.25				
5	64QAM	1	0	21.38	21.44	21.39				
5	64QAM	1	12	21.35	21.39	21.29	22.5	2		
5	64QAM	1	24	21.26	21.17	21.24				
5	64QAM	12	0	20.35	20.46	20.31				
5	64QAM	12	7	20.30	20.40	20.32				
5	64QAM	12	13	20.26	20.30	20.19				
5	64QAM	25	0	20.30	20.41	20.37	21.5	3		
5	256QAM	1	0	18.41	18.48	18.40				
5	256QAM	1	12	18.32	18.41	18.29	19.5	5		
5	256QAM	1	24	18.29	18.18	18.27				
5	256QAM	12	0	18.37	18.45	18.38				
5	256QAM	12	7	18.31	18.39	18.32	19.5	5		
5	256QAM	12	13	18.21	18.32	18.23				
5	256QAM	25	0	18.22	18.37	18.27				

Band 4 Ant5 DS13																		
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (sec)	MPR (dB)										
Channel																		
Frequency (MHz)																		
20	QPSK	1	0	18.48	18.57	18.53	21	0										
20	QPSK	1	49	18.52	18.55	18.52												
20	QPSK	1	99	18.36	18.51	18.45	21	0										
20	QPSK	50	5	18.34	18.32	18.34												
20	QPSK	50	24	18.43	18.44	18.44	21	0										
20	QPSK	50	50	18.34	18.46	18.37												
20	QPSK	100	5	18.34	18.47	18.32	21	0										
20	16QAM	1	0	18.42	18.55	18.48												
20	16QAM	1	49	18.47	18.51	18.44	21	0										
20	16QAM	1	99	18.35	18.46	18.42												
20	16QAM	50	0	18.23	18.48	18.33	21	0										
20	16QAM	50	24	18.42	18.36	18.42												
20	16QAM	50	50	18.25	18.46	18.38	21	0										
20	16QAM	100	0	18.26	18.43	18.29												
20	64QAM	1	0	18.41	18.54	18.52	21	0										
20	64QAM	1	49	18.50	18.48	18.51												
20	64QAM	1	99	18.34	18.44	18.43	21	0										
20	64QAM	50	0	18.28	18.52	18.30												
20	64QAM	50	24	18.40	18.43	18.41	21	0										
20	64QAM	50	50	18.27	18.45	18.32												
20	64QAM	100	0	18.30	18.40	18.26	19	2										
20	256QAM	1	0	17.45	17.47	17.45												
20	256QAM	1	49	17.43	17.62	17.62	19	2										
20	256QAM	1	99	17.59	17.59	17.58												
20	256QAM	50	0	17.42	17.54	17.45	19	2										
20	256QAM	50	24	17.59	17.72	17.55												
20	256QAM	50	50	17.55	17.63	17.48	19	2										
20	256QAM	100	0	17.46	17.62	17.49												
Channel																		
Frequency (MHz)																		
16	QPSK	1	0	18.38	18.44	18.43	21	0										
16	QPSK	1	97	18.44	18.48	18.46												
16	QPSK	1	74	18.30	18.45	18.37	21	0										
16	QPSK	36	0	18.26	18.48	18.30												
16	QPSK	36	20	18.32	18.33	18.38	21	0										
16	QPSK	36	39	18.23	18.35	18.33												
16	QPSK	75	0	18.24	18.39	18.19	21	0										
16	16QAM	1	0	18.38	18.43	18.37												
16	16QAM	1	37	18.41	18.37	18.32	21	0										
16	16QAM	1	74	18.27	18.34	18.33												
16	16QAM	36	0	18.18	18.37	18.27	21	0										
16	16QAM	36	20	18.29	18.26	18.35												
16	16QAM	36	39	18.21	18.41	18.29	21	0										
16	16QAM	75	0	18.22	18.36	18.18												
16	64QAM	1	0	18.39	18.46	18.43	21	0										
16	64QAM	1	37	18.40	18.44	18.42												
16	64QAM	1	74	18.31	18.38	18.37	21	0										
16	64QAM	36	0	18.15	18.44	18.15												
16	64QAM	36	20	18.22	18.36	18.27	21	0										
16	64QAM	36	39	18.13	18.34	18.16												
16	64QAM	75	0	18.20	18.35	18.17	19	2										
16	256QAM	1	0	17.37	17.33	17.57												
16	256QAM	1	37	17.34	17.46	17.51	19	2										
16	256QAM	1	74	17.46	17.43	17.48												
16	256QAM	36	0	17.36	17.42	17.33	19	2										
16	256QAM	36	20	17.48	17.45	17.44												
16	256QAM	36	39	17.44	17.53	17.38	19	2										
16	256QAM	75	0	17.41	17.35	17.40												
Channel																		
Frequency (MHz)																		
10	QPSK	1	0	18.36	18.44	18.45	21	0										
10	QPSK	1	25	18.38	18.48	18.43												
10	QPSK	1	49	18.30	18.48	18.35	21	0										
10	QPSK	25	5	18.28	18.44	18.26												
10	QPSK	25	12	18.30	18.31	18.29	21	0										
10	QPSK	25	25	18.21	18.37	18.21												
10	QPSK	50	5	18.25	18.38	18.21	21	0										
10	16QAM	1	0	18.29	18.44	18.38												
10	16QAM	1	25	18.41	18.44	18.33	21	0										
10	16QAM	1	49	18.23	18.37	18.33												
10	16QAM	25	0	18.20	18.38	18.29	21	0										
10	16QAM	25	12	18.26	18.24	18.35												
10	16QAM	25	25	18.19	18.40	18.20	21	0										
10	16QAM	50	0	18.17	18.30	18.19												
10	64QAM	1	0	18.20	18.41	18.45	21	0										
10	64QAM	1	25	18.41	18.37	18.44												
10	64QAM	1	49	18.21	18.33	18.38	21	0										
10	64QAM	25	0	18.21	18.47	18.17												
10	64QAM	25	12	18.35	18.36	18.27	21	0										
10	64QAM	25	25	18.14	18.31	18.18												
10	64QAM	50	0	18.16	18.36	18.22	19	2										
10	256QAM	1	0	17.40	17.37	17.54												
10	256QAM	1	25	17.37	17.59	17.54	19	2										
10	256QAM	1	49	17.54	17.46	17.47												
10	256QAM	25	0	17.34	17.48	17.38	19	2										
10	256QAM	25	12	17.52	17.66	17.46												
10	256QAM	25	25	17.45	17.55	17.36	19	2										
10	256QAM	50	0	17.41	17.57	17.35												
Channel																		
Frequency (MHz)																		
5	QPSK	1	0	18.37	18.44	18.39	21	0										
5	QPSK	1	12	18.46	18.50	18.46												
5	QPSK	1	24	18.22	18.44	18.33	21	0										
5	QPSK	12	0	18.22	18.41	18.30												
5	QPSK	12	36	7	18.28	18.36	18.3											

Band 38 Ant5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.79	20.90	20.79	22	0	
20	QPSK	1	49	20.76	20.70	20.78			
20	QPSK	1	99	20.67	20.57	20.68			
20	QPSK	50	0	20.72	20.73	20.72	22	0	
20	QPSK	50	24	20.58	20.70	20.61			
20	QPSK	50	50	20.46	20.42	20.53			
20	QPSK	100	0	20.64	20.76	20.61	22	0	
20	16QAM	1	0	20.54	20.55	20.51			
20	16QAM	1	49	20.52	20.49	20.51			
20	16QAM	1	99	20.22	20.63	20.87	22	0	
20	16QAM	50	0	20.66	20.66	20.61			
20	16QAM	50	24	20.53	20.54	20.49			
20	16QAM	50	50	20.83	20.73	20.69	22	0	
20	16QAM	100	0	20.53	20.73	20.75			
20	64QAM	1	0	20.74	20.78	20.71			
20	64QAM	1	49	20.55	20.70	20.68	22	0	
20	64QAM	1	99	20.51	20.66	20.56			
20	64QAM	50	0	19.93	19.85	19.86			
20	64QAM	50	24	19.91	19.79	19.88	21	1	
20	64QAM	50	50	19.63	19.80	19.71			
20	64QAM	100	0	19.65	19.74	19.71			
20	256QAM	1	0	17.83	17.79	17.80	19	3	
20	256QAM	1	49	17.73	17.77	17.81			
20	256QAM	1	99	17.55	17.58	17.66			
20	256QAM	50	0	17.96	17.91	17.90	19	3	
20	256QAM	50	24	17.97	17.69	17.90			
20	256QAM	50	50	17.66	17.83	17.73			
20	256QAM	100	0	17.48	17.61	17.58	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.83	20.61	20.61			
15	QPSK	1	37	20.60	20.59	20.68	22	0	
15	QPSK	1	74	20.36	20.66	20.59			
15	QPSK	36	0	20.60	20.60	20.51			
15	QPSK	36	20	20.71	20.56	20.49	22	0	
15	QPSK	36	39	20.32	20.25	20.45			
15	QPSK	75	0	20.76	20.49	20.47			
15	16QAM	1	0	20.40	20.35	20.64	22	0	
15	16QAM	1	37	20.37	20.34	20.33			
15	16QAM	1	74	20.80	20.44	20.65			
15	16QAM	36	0	20.65	20.66	20.59	22	0	
15	16QAM	36	20	20.45	20.39	20.42			
15	16QAM	36	39	20.83	20.55	20.67			
15	16QAM	75	0	20.52	20.74	20.54	22	0	
15	64QAM	1	0	20.61	20.61	20.65			
15	64QAM	1	37	20.37	20.59	20.67			
15	64QAM	1	74	20.29	20.60	20.44	21	1	
15	64QAM	36	0	19.81	19.66	19.85			
15	64QAM	36	20	19.70	19.61	19.74			
15	64QAM	36	39	19.56	19.60	19.65	19	3	
15	64QAM	75	0	19.51	19.62	19.50			
15	256QAM	1	0	17.73	17.75	17.80			
15	256QAM	1	37	17.58	17.58	17.62	19	3	
15	256QAM	1	74	17.36	17.54	17.52			
15	256QAM	36	0	17.82	17.74	17.70			
15	256QAM	36	20	17.96	17.59	17.80	19	3	
15	256QAM	36	39	17.53	17.65	17.62			
15	256QAM	75	0	17.42	17.59	17.56			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.77	20.59	20.79	22	0	
10	QPSK	1	25	20.59	20.55	20.72			
10	QPSK	1	49	20.39	20.66	20.52			
10	QPSK	25	0	20.67	20.51	20.59	22	0	
10	QPSK	25	12	20.71	20.37	20.51			
10	QPSK	25	25	20.36	20.39	20.54			
10	QPSK	50	0	20.61	20.65	20.47	22	0	
10	16QAM	1	0	20.51	20.33	20.61			
10	16QAM	1	25	20.43	20.34	20.48			
10	16QAM	1	49	20.75	20.49	20.59	22	0	
10	16QAM	25	0	20.52	20.63	20.52			
10	16QAM	25	12	20.48	20.54	20.50			
10	16QAM	25	25	20.62	20.61	20.63	22	0	
10	16QAM	50	0	20.44	20.55	20.63			
10	16QAM	1	0	20.67	20.75	20.52			
10	64QAM	1	25	20.37	20.59	20.53	22	0	
10	64QAM	1	49	20.48	20.58	20.45			
10	64QAM	25	0	19.75	19.81	19.70			
10	64QAM	25	12	19.91	19.64	19.89	21	1	
10	64QAM	25	25	19.63	19.66	19.72			
10	64QAM	50	0	19.64	19.66	19.52			
10	256QAM	1	0	17.64	17.78	17.77	19	3	
10	256QAM	1	25	17.54	17.79	17.64			
10	256QAM	1	49	17.34	17.54	17.48			
10	256QAM	25	0	17.83	17.76	17.89	19	3	
10	256QAM	25	12	17.91	17.69	17.83			
10	256QAM	25	25	17.59	17.79	17.67			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.75	20.73	20.67	22	0	
5	QPSK	1	12	20.54	20.68	20.57			
5	QPSK	1	24	20.54	20.65	20.51			
5	QPSK	12	0	20.65	20.57	20.65	22	0	
5	QPSK	12	7	20.51	20.47	20.43			
5	QPSK	12	13	20.35	20.46	20.35			
5	QPSK	25	0	20.56	20.60	20.60	22	0	
5	16QAM	1	0	20.49	20.41	20.64			
5	16QAM	1	12	20.39	20.33	20.32			
5	16QAM	1	24	20.63	20.52	20.68	22	0	
5	16QAM	12	0	20.65	20.47	20.47			
5	16QAM	12	7	20.42	20.50	20.51			
5	16QAM	12	13	20.67	20.61	20.67	22	0	
5	16QAM	25	0	20.37	20.54	20.69			
5	64QAM	1	0	20.69	20.78	20.67			
5	64QAM	1	12	20.41	20.71	20.59	22	0	
5	64QAM	1	24	20.43	20.45	20.40			
5	64QAM	12	0	19.90	19.74	19.87			
5	64QAM	12	7	19.73	19.66	19.90	21	1	
5	64QAM	12	13	19.50	19.78	19.71			
5	64QAM	25	0	19.62	19.53	19.72			
5	256QAM	1	0	17.72	17.70	17.69	19	3	
5	256QAM	1	12	17.64	17.75	17.76			
5	256QAM	1	24	17.47	17.51	17.64			
5	256QAM	12	0	17.94	17.75	17.82	19	3	
5	256QAM	12	7	17.92	17.54	17.78			
5	256QAM	12	13	17.54	17.76	17.64			
5	256QAM	25	0	17.26	17.48	17.56	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			

Band 41 Ant5 DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq		
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.36	20.56	20.81	20.57	20.58	22	0
20	QPSK	1	49	20.56	20.54	20.80	20.56	20.67		
20	QPSK	1	99	20.33	20.63	20.73	20.51	20.46	22	0
20	QPSK	50	0	20.28	20.47	20.70	20.37	20.43		
20	QPSK	50	24	20.50	20.36	20.62	20.50	20.67	22	0
20	QPSK	50	50	20.29	20.44	20.54	20.32	20.30		
20	QPSK	100	0	20.32	20.40	20.68	20.58	20.41	22	0
20	16QAM	1	0	20.49	20.38	20.59	20.51	20.58		
20	16QAM	1	49	20.21	20.58	20.56	20.33	20.31	22	0
20	16QAM	1	99	20.27	20.51	20.60	20.49	20.57		
20	16QAM	50	0	20.22	20.49	20.63	20.42	20.55	22	0
20	16QAM	50	24	20.57	20.45	20.60	20.36	20.67		
20	16QAM	50	50	20.22	20.50	20.53	20.39	20.25	22	0
20	16QAM	100	0	20.36	20.52	20.72	20.48	20.63		
20	64QAM	1	0	20.30	20.41	20.71	20.59	20.47	22	0
20	64QAM	1	49	20.51	20.51	20.63	20.38	20.55		
20	64QAM	1	99	20.28	20.59	20.68	20.48	20.47	21	1
20	64QAM	50	0	19.36	19.52	19.72	19.47	19.48		
20	64QAM	50	24	19.19	19.56	19.70	19.64	19.48	21	1
20	64QAM	50	50	19.54	19.48	19.76	19.67	19.76		
20	64QAM	100	0	19.28	19.72	19.66	19.42	19.48	19	3
20	256QAM	1	0	17.41	17.68	17.83	17.51	17.51		
20	256QAM	1	49	17.63	17.59	17.69	17.59	17.71	19	3
20	256QAM	1	99	17.38	17.53	17.81	17.44	17.44		
20	256QAM	50	0	17.36	17.62	17.81	17.48	17.70	19	3
20	256QAM	50	24	17.46	17.66	17.66	17.61	17.54		
20	256QAM	50	50	17.64	17.55	17.75	17.48	17.69	19	3
20	256QAM	100	0	17.37	17.67	17.66	17.47	17.55		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.24	20.34	20.60	20.52	20.44	22.00	0
15	QPSK	1	37	20.52	20.44	20.70	20.36	20.46		
15	QPSK	1	74	20.34	20.49	20.69	20.45	20.33	22	0
15	QPSK	36	0	20.22	20.48	20.62	20.18	20.40		
15	QPSK	36	20	20.29	20.15	20.58	20.34	20.50	22	0
15	QPSK	36	39	20.28	20.43	20.34	20.28	20.21		
15	QPSK	75	0	20.28	20.38	20.66	20.49	20.33	22	0
15	16QAM	1	0	20.31	20.36	20.51	20.44	20.56		
15	16QAM	1	37	20.12	20.59	20.54	20.18	20.14	22	0
15	16QAM	1	74	20.14	20.37	20.42	20.32	20.43		
15	16QAM	36	0	20.36	20.54	20.66	20.49	20.37	22	0
15	16QAM	36	20	20.38	20.51	20.60	20.37	20.66		
15	16QAM	36	39	20.29	20.62	20.58	20.33	20.47	22	0
15	16QAM	75	0	20.27	20.38	20.55	20.31	20.45		
15	64QAM	1	0	20.20	20.30	20.50	20.55	20.30	22	0
15	64QAM	1	37	20.45	20.45	20.43	20.19	20.48		
15	64QAM	1	74	20.29	20.45	20.53	20.30	20.39	21	1
15	64QAM	36	0	19.26	19.31	19.52	19.38	19.37		
15	64QAM	36	20	19.23	19.48	19.65	19.62	19.33	21	1
15	64QAM	36	39	19.43	19.33	19.63	19.63	19.58		
15	64QAM	75	0	19.29	19.70	19.60	19.39	19.29	19	3
15	256QAM	1	0	17.42	17.62	17.73	17.42	17.43		
15	256QAM	1	37	17.49	17.60	17.60	17.47	17.63	19	3
15	256QAM	1	74	17.31	17.43	17.68	17.44	17.39		
15	256QAM	36	0	17.47	17.48	17.74	17.56	17.54	19	3
15	256QAM	36	20	17.49	17.60	17.83	17.69	17.60		
15	256QAM	36	39	17.39	17.58	17.83	17.69	17.41	19	3
15	256QAM	75	0	17.18	17.67	17.65	17.31	17.34		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.36	20.42	20.66	20.40	20.59	22.00	0
10	QPSK	1	25	20.44	20.34	20.73	20.62	20.62		
10	QPSK	1	49	20.28	20.41	20.66	20.33	20.37	22	0
10	QPSK	25	0	20.23	20.30	20.51	20.19	20.31		
10	QPSK	25	12	20.33	20.26	20.60	20.32	20.50	22	0
10	QPSK	25	25	20.15	20.41	20.54	20.28	20.14		
10	QPSK	50	0	20.26	20.40	20.64	20.46	20.29	22	0
10	16QAM	1	0	20.48	20.29	20.46	20.49	20.53		
10	16QAM	1	25	20.13	20.48	20.35	20.15	20.10	22	0
10	16QAM	1	49	20.25	20.40	20.58	20.45	20.51		
10	16QAM	25	0	20.22	20.40	20.65	20.54	20.48	22	0
10	16QAM	25	12	20.55	20.43	20.69	20.41	20.68		
10	16QAM	25	25	20.23	20.57	20.65	20.38	20.31	22	0
10	16QAM	50	0	20.36	20.31	20.59	20.64	20.64		
10	64QAM	1	0	20.36	20.49	20.78	20.54	20.38	22	0
10	64QAM	1	25	20.58	20.49	20.73	20.42	20.54		
10	64QAM	1	49	20.34	20.58	20.71	20.43	20.43	21	1
10	64QAM	25	0	19.32	19.65	19.82	19.54	19.55		
10	64QAM	25	12	19.47	19.65	19.75	19.48	19.55	19	3
10	64QAM	25	25	19.35	19.72	19.62	19.40	19.50		
10	64QAM	50	0	19.26	19.60	19.49	19.41	19.38	19	3
10	256QAM	1	0	17.42	17.46	17.73	17.42	17.40		
10	256QAM	1	25	17.59	17.57	17.66	17.49	17.53	19	3
10	256QAM	1	49	17.36	17.34	17.63	17.28	17.35		
10	256QAM	25	0	17.28	17.53	17.64	17.34	17.54	19	3
10	256QAM	25	12	17.42	17.57	17.65	17.58	17.45		
10	256QAM	25	25	17.51	17.63	17.77	17.48	17.54	22	0
10	256QAM	50	0	17.35	17.63	17.64	17.38	17.38		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.38	20.58	20.63	20.55	20.58	22.00	0
5	QPSK	1	12	20.55	20.36	20.65	20.56	20.57		
5	QPSK	1	24	20.26	20.64	20.64	20.38	20.43	22	0
5	QPSK	12	0	20.38	20.36	20.60	20.57	20.56		
5	QPSK	12	7	20.37	20.42	20.59	20.45	20.49	22	0
5	QPSK	12	13	20.14	20.59	20.61	20.39	20.34		
5	QPSK	25	0	20.33	20.30	20.57	20.58	20.27	22	0
5	16QAM	1	0	20.36	20.20	20.58	20.43	20.38		
5	16QAM	1	12	20.12	20.52	20.50	20.21	20.18	22	0
5	16QAM	1	24	20.29	20.45	20.56	20.34	20.42		
5	16QAM	12	0	20.35	20.55	20.74	20.48	20.48	22	0
5	16QAM	12	7	20.40	20.36	20.72	20.51	20.59		
5	16QAM	12	13	20.26	20.56	20.58	20.47	20.34	22	0
5	16QAM	25	0	20.32	20.32	20.66	20.27	20.47		
5	64QAM	1	0	20.31	20.27	20.56	20.58	20.48	22	0
5	64QAM	1	12	20.49	20.48	20.60	20.32	20.42		
5	64QAM	1	24	20.19	20.55	20.57	20.44	20.47	21	1
5	64QAM	12	0	19.30	19.34	19.70	19.32	19.27		
5	64QAM	12	7	19.21	19.42	19.60	19.56	19.32	21	1
5	64QAM	12	13	19.35	19.32	19.55	19.66	19.66		
5	256QAM	25	0	19.28	19.59	19.64	19.28	19.28	19	3
5	256QAM	1	0	17.25	17.64	17.63	17.52	17.50		
5	256QAM	1	12	17.49	17.48	17.52	17.49	17.49	19	3
5	256QAM	1	24	17.38	17.48	17.62	17.38	17.34		
5	256QAM	12	0	17.40	17.47	17.70	17.63	17.63	19	3
5	256QAM	12	7	17.47	17.58	17.69	17.65	17.71		
5	256QAM	12	13	17.33	17.58	17.79	17.42	17.36	19	3
5	256QAM	25	0	17.38	17.68	17.53	17.41	17.54		

Band 2 Ant0 DSI4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq 18700	Power Pch / Freq 18900	Power Pch / Freq 19100	Turn-up (s)	MPR (dB)				
Channel												
Frequency (MHz)	Channel	RB Size	RB Offset	Power Ch / Freq 18700	Power Pch / Freq 18900	Power Pch / Freq 19100	Turn-up (s)	MPR (dB)				
20	QPSK	1	0	19.81	19.99	19.89						
20	QPSK	1	49	19.79	19.87	19.86			21	0		
20	QPSK	1	98	19.77	19.85	19.84						
20	QPSK	50	0	19.81	19.94	19.89						
20	QPSK	50	24	19.88	19.88	19.82			21	0		
20	QPSK	50	49	19.90	19.89	19.85						
20	QPSK	100	0	19.74	19.88	19.87						
20	16QAM	1	0	19.75	19.91	19.87						
20	16QAM	1	49	19.77	19.85	19.81			21	0		
20	16QAM	1	99	19.81	19.68	19.65						
20	16QAM	50	0	19.90	19.92	19.84						
20	16QAM	50	24	19.95	19.94	19.92			21	0		
20	16QAM	50	50	19.96	19.93	19.83						
20	16QAM	100	0	19.68	19.85	19.83						
20	16QAM	100	50	19.87	19.89	19.84						
20	64QAM	1	49	19.88	19.84	19.89			20	1		
20	256QAM	1	99	18.76	18.69	18.79						
20	256QAM	50	0	18.88	18.88	18.84						
20	256QAM	50	24	18.75	18.84	18.79						
20	256QAM	50	50	18.72	18.82	18.88						
20	256QAM	100	0	18.67	18.89	18.84						
Channel												
Frequency (MHz)	Channel	RB Size	RB Offset	Power Ch / Freq 18700	Power Pch / Freq 18900	Power Pch / Freq 19100	Turn-up (s)	MPR (dB)				
18	QPSK	1	0	19.76	19.87	19.74						
18	QPSK	1	37	19.70	19.82	19.76			21	0		
18	QPSK	1	74	19.55	19.65	19.59						
18	QPSK	36	0	19.83	19.83	19.81						
18	QPSK	36	18	19.84	19.83	19.81						
18	QPSK	36	39	19.82	19.82	19.74						
18	QPSK	72	0	19.84	19.84	19.77						
18	16QAM	1	0	19.71	19.77	19.78			21	0		
18	16QAM	1	37	19.67	19.78	19.76						
18	16QAM	1	74	19.47	19.69	19.55						
18	16QAM	36	0	19.75	19.87	19.78						
18	16QAM	36	18	19.76	19.80	19.71						
18	16QAM	36	39	19.80	19.75	19.73						
18	16QAM	72	0	19.82	19.75	19.81						
18	64QAM	1	0	19.64	19.84	19.69						
18	64QAM	1	37	19.64	19.61	19.66						
18	64QAM	1	74	19.63	19.70	19.65						
18	64QAM	36	0	19.78	19.79	19.78						
18	64QAM	36	18	19.76	19.79	19.75						
18	64QAM	36	39	19.77	19.76	19.74						
18	64QAM	72	0	19.59	19.72	19.80						
18	256QAM	1	0	19.87	19.88	19.87						
18	256QAM	1	37	19.86	19.86	19.78						
18	256QAM	1	74	19.82	19.75	19.85						
18	256QAM	36	0	19.80	19.81	19.89						
18	256QAM	36	18	19.87	19.79	19.86			20	1		
18	256QAM	36	39	19.58	19.71	19.54						
18	256QAM	72	0	19.75	19.85	19.74						
Channel												
Frequency (MHz)	Channel	RB Size	RB Offset	Power Ch / Freq 18700	Power Pch / Freq 18900	Power Pch / Freq 19100	Turn-up (s)	MPR (dB)				
10	QPSK	1	0	19.69	19.88	19.78						
10	QPSK	1	25	19.72	19.79	19.76			21	0		
10	QPSK	1	50	19.74	19.69	19.61						
10	QPSK	25	0	19.87	19.79	19.83						
10	QPSK	25	12	19.80	19.80	19.74			21	0		
10	QPSK	50	0	19.67	19.82	19.77						
10	16QAM	1	0	19.68	19.79	19.83						
10	16QAM	1	25	19.66	19.75	19.78			21	0		
10	16QAM	1	49	19.52	19.55	19.62						
10	16QAM	25	0	19.84	19.79	19.78						
10	16QAM	25	12	19.76	19.80	19.68			21	0		
10	16QAM	25	25	19.73	19.79	19.74						
10	16QAM	50	0	19.61	19.84	19.78						
10	16QAM	50	25	19.75	19.76	19.72						
10	64QAM	1	25	19.66	19.73	19.65						
10	64QAM	1	49	19.49	19.67	19.54			21	0		
10	64QAM	25	0	19.76	19.77	19.77						
10	64QAM	25	12	19.72	19.71	19.68						
10	64QAM	25	25	19.76	19.84	19.77						
10	64QAM	50	0	19.56	19.61	19.76						
10	64QAM	50	25	19.85	19.80	19.82						
10	256QAM	1	25	19.61	19.64	19.65						
10	256QAM	1	49	19.56	19.74	19.69						
10	256QAM	25	0	19.83	19.89	19.87						
10	256QAM	25	12	19.62	19.61	19.73						
10	256QAM	25	25	19.67	19.68	19.63						
10	256QAM	50	0	19.63	19.69	19.69						
Channel												
Frequency (MHz)	Channel	RB Size	RB Offset	Power Ch / Freq 18700	Power Pch / Freq 18900	Power Pch / Freq 19100	Turn-up (s)	MPR (dB)				
5	QPSK	1	0	19.74	19.87	19.82						
5	QPSK	1	12	19.66	19.73	19.78			21	0		
5	QPSK	1	24	19.59	19.71	19.63						
5	QPSK	12	0	19.87	19.81	19.81						
5	QPSK	12	6	19.77	19.75	19.76						
5	QPSK	12	13	19.86	19.84	19.76						
5	QPSK	25	0	19.69	19.74	19.67						
5	16QAM	1	0	19.69	19.85	19.84						
5	16QAM	1	12	19.69	19.80	19.83						
5	16QAM	1	24	19.51	19.61	19.66						
5	16QAM	12	0	19.79	19.79	19.78						
5	16QAM	12	7	19.74	19.72	19.61			21	0		
5	16QAM	12	13	19.79	19.73	19.68						
5	16QAM	25	0	19.61	19.75	19.75						
5	16QAM	1	0	19.83	19.79	19.68						
5	16QAM	1	12	19.58	19.62	19.71						
5	16QAM	1	24	19.52	19.66	19.67						
5	16QAM	12	0	19.77	19.76	19.76						
5	16QAM	12	7	19.79	19.78	19.77			21	0		
5	16QAM	12	13	19.78	19.77	19.76						
5	16QAM	25	0	19.67	19.78	19.76						
5	256QAM	1	0	19.85	19.81	19.84						
5	256QAM	1	12	19.86	19.86	19.78			20	1		
5	256QAM	1	24	19.83	19.77	19.85						
5	256QAM	12	0	19.85	19.86	19.79						
5	256QAM	12	6	19.74	19.78	19.74						
5	256QAM	12	13	19.83	19.73	19.85						
5	256QAM	25	0	19.76	19.89	19.75						
Channel												
Frequency (MHz)	Channel	RB Size	RB Offset	Power Ch / Freq 18600	Power Pch / Freq 18800	Power Pch / Freq 19000	Turn-up (s)	MPR (dB)				
3	QPSK	1	0	19.76	19.88	19.88						
3	QPSK	1	8	19.65	19.81	19.76			21	0		
3	QPSK	1	16	19.55	19.68	19.61						
3	QPSK	8	0	19.88	19.81	19.79						
3	QPSK	8	4	19.74	19.74	19.76			21	0		
3	QPSK	8	12	19.79	19.74	19.74						
3	QPSK	15	0	19.86	19.75	19.74						
3	16QAM	1	0	19.68	19.85	19.77			21	0		
3	16QAM	1	8	19.67	19.74	19.68						
3	16QAM	1	14	19.54	19.64	19.67						
3	16QAM	8	0	19.87	19.84	19.87						
3	16QAM	8	4	19.77	19.78	19.69						
3	16QAM	8	12	19.78	19.78	19.71						
3	16QAM	15	0	19.62	19.83	19.77						
3	16QAM	15	8	19.70	19.77	19.76						
3	16QAM	15	14	19.63	19.72	19.77						
3	16QAM	1	0	19.77	19.76	19.76						
3	16QAM	8	4	19.77	19.78	19.69						
3	16QAM	8	12	19.78	19.78	19.71						
3	16QAM	15	0	19.67	19.89	19.90						
3	256QAM	1	8	18.80	18.81	18.83			20	1		
3	256QAM	1	14	18.66	18.76	18.76						
3	256QAM	1	15	18.50	18.60	18.60						
3	256QAM	8	4	18.62	18.73	18.72			20	1		
3	256QAM	8	12	18.66	18.76	18.76						
3	256QAM	15	0	18.77	19.01	19.73						
Channel												
Frequency (MHz)	Channel	RB Size	RB Offset	Power Ch / Freq 18600	Power Pch / Freq 18800	Power Pch / Freq 19000	Turn-up (s)	MPR (dB)				
1.4	QPSK	1	0	19.67	19.88	19.84						
1.4	QPSK	1	3	19.66	19.83	19.71						
1.4	QPSK	1	5	19.56	19.66	19.62			21	0		
1.4	QPSK	3	0									

Band 38 Ant0 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.00	22.14	21.93	23	0	
20	QPSK	1	49	21.95	22.06	21.98			
20	QPSK	1	99	21.75	21.90	21.73			
20	QPSK	50	0	21.91	22.03	21.89			
20	QPSK	50	24	21.87	21.90	21.85			
20	QPSK	50	50	21.89	21.92	21.83	23	0	
20	QPSK	100	0	21.81	21.96	21.82			
20	16QAM	1	0	21.86	22.03	21.81			
20	16QAM	1	49	21.81	21.93	21.87			
20	16QAM	1	99	21.63	21.81	21.64			
20	16QAM	50	0	21.80	21.93	21.83	23	0	
20	16QAM	50	24	21.74	21.80	21.72			
20	16QAM	50	50	21.80	21.86	21.78			
20	16QAM	100	0	21.74	21.89	21.69			
20	64QAM	1	0	21.81	21.80	21.67			
20	64QAM	1	49	21.65	21.81	21.79	23	0	
20	64QAM	1	99	21.84	21.88	21.79			
20	64QAM	50	0	20.95	21.08	20.96			
20	64QAM	50	24	20.98	20.99	20.93			
20	64QAM	50	50	20.86	20.95	20.89			
20	64QAM	100	0	20.96	21.08	20.87	22	1	
20	256QAM	1	0	18.79	18.93	18.78			
20	256QAM	1	49	18.89	19.00	18.92			
20	256QAM	1	99	18.87	19.02	19.00			
20	256QAM	50	0	18.97	19.05	19.01			
20	256QAM	50	24	18.97	18.96	18.99	20	3	
20	256QAM	50	50	18.85	18.95	18.91			
20	256QAM	100	0	19.01	19.04	19.01			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	21.92	22.01	21.89	23	0	
15	QPSK	1	37	21.81	22.02	21.85			
15	QPSK	1	74	21.69	21.78	21.68			
15	QPSK	36	0	21.82	21.89	21.82			
15	QPSK	36	20	21.72	21.78	21.75			
15	QPSK	36	39	21.79	21.86	21.69	23	0	
15	QPSK	75	0	21.77	21.92	21.75			
15	16QAM	1	0	21.77	21.98	21.74			
15	16QAM	1	37	21.74	21.88	21.76			
15	16QAM	1	74	21.50	21.76	21.57			
15	16QAM	36	0	21.73	21.88	21.76	23	0	
15	16QAM	36	20	21.67	21.67	21.61			
15	16QAM	36	39	21.66	21.81	21.67			
15	16QAM	75	0	21.60	21.77	21.64			
15	64QAM	1	0	21.72	21.76	21.62			
15	64QAM	1	37	21.56	21.77	21.76	23	0	
15	64QAM	1	74	21.71	21.74	21.72			
15	64QAM	36	0	20.87	21.00	20.90			
15	64QAM	36	20	20.90	20.92	20.84			
15	64QAM	36	39	20.81	20.82	20.84			
15	64QAM	75	0	20.87	20.95	20.73	22	1	
15	256QAM	1	0	18.67	18.88	18.72			
15	256QAM	1	37	18.76	18.91	18.88			
15	256QAM	1	74	18.73	18.87	18.86			
15	256QAM	36	0	18.84	18.97	18.95			
15	256QAM	36	20	18.84	18.82	18.77	20	3	
15	256QAM	36	39	18.82	18.91	18.84			
15	256QAM	75	0	18.96	18.92	18.90			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.93	22.02	21.80	23	0	
10	QPSK	1	25	21.89	22.02	21.86			
10	QPSK	1	49	21.71	21.81	21.63			
10	QPSK	25	0	21.87	21.96	21.83			
10	QPSK	25	12	21.76	21.76	21.78			
10	QPSK	25	25	21.76	21.85	21.68	23	0	
10	QPSK	50	0	21.68	21.84	21.69			
10	16QAM	1	0	21.76	21.98	21.67			
10	16QAM	1	25	21.70	21.83	21.81			
10	16QAM	1	49	21.58	21.67	21.57			
10	16QAM	25	0	21.75	21.81	21.70	23	0	
10	16QAM	25	12	21.70	21.67	21.61			
10	16QAM	25	25	21.75	21.76	21.63			
10	16QAM	50	0	21.64	21.83	21.62			
10	64QAM	1	0	21.78	21.71	21.61			
10	64QAM	1	25	21.55	21.73	21.74	23	0	
10	64QAM	1	49	21.79	21.80	21.68			
10	64QAM	25	0	20.90	21.00	20.91			
10	64QAM	25	12	20.89	20.95	20.86			
10	64QAM	25	25	20.74	20.90	20.84			
10	64QAM	50	0	20.87	21.05	20.78	22	1	
10	256QAM	1	0	18.73	18.87	18.71			
10	256QAM	1	25	18.74	18.94	18.82			
10	256QAM	1	49	18.77	18.96	18.90			
10	256QAM	25	0	18.92	19.01	18.91			
10	256QAM	25	12	18.91	18.84	18.75	20	3	
10	256QAM	25	25	18.91	18.84	18.75			
10	256QAM	50	0	18.97	18.93	18.85			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	21.87	22.04	21.84	23	0	
5	QPSK	1	12	21.87	21.96	21.91			
5	QPSK	1	24	21.64	21.83	21.62			
5	QPSK	12	0	21.77	22.00	21.75			
5	QPSK	12	7	21.78	21.80	21.74			
5	QPSK	12	13	21.80	21.89	21.72	23	0	
5	QPSK	25	0	21.75	21.84	21.68			
5	16QAM	1	0	21.78	21.92	21.66			
5	16QAM	1	12	21.70	21.81	21.77			
5	16QAM	1	24	21.58	21.72	21.50			
5	16QAM	12	0	21.65	21.87	21.69	23	0	
5	16QAM	12	7	21.66	21.69	21.68			
5	16QAM	12	13	21.73	21.62	21.72			
5	16QAM	25	0	21.62	21.85	21.60			
5	64QAM	1	0	21.68	21.75	21.54			
5	64QAM	1	12	21.57	21.74	21.72	23	0	
5	64QAM	1	24	21.70	21.61	21.69			
5	64QAM	12	0	20.86	21.02	20.81			
5	64QAM	12	7	20.90	20.93	20.90			
5	64QAM	12	13	20.78	20.82	20.79			
5	64QAM	25	0	20.83	21.03	20.84	22	1	
5	256QAM	1	0	18.74	18.79	18.63			
5	256QAM	1	12	18.80	18.87	18.82			
5	256QAM	1	24	18.83	18.93	18.85			
5	256QAM	12	0	18.89	18.91	18.88			
5	256QAM	12	7	18.85	18.86	18.83	20	3	
5	256QAM	12	13	18.75	18.81	18.87			
5	256QAM	25	0	18.97	18.92	18.94			

Band 41 Ant0 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Middle Ch / Freq.	Power Middle Ch / Freq.	Power High Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.00	22.13	22.25	21.99	22.06	23	0
20	QPSK	1	49	21.92	22.10	22.10	21.98	22.07		
20	QPSK	1	99	21.90	21.86	22.04	21.98	21.92		
20	QPSK	50	0	21.94	22.03	22.15	22.02	22.07		
20	QPSK	50	24	21.93	21.97	22.07	21.97	22.03	23	0
20	QPSK	50	50	21.81	21.83	21.93	21.85	21.78		
20	QPSK	100	0	21.79	21.87	22.03	21.96	22.00		
20	16QAM	1	0	21.92	22.06	22.18	21.93	22.00		
20	16QAM	1	49	21.89	22.01	21.96	21.89	21.96	23	0
20	16QAM	1	99	21.86	21.88	21.95	21.89	21.81		
20	16QAM	50	0	21.81	21.98	22.08	21.94	21.98		
20	16QAM	50	24	21.90	21.84	21.93	21.88	21.93		
20	16QAM	50	50	21.79	21.89	21.85	21.82	21.76	23	0
20	16QAM	100	0	21.68	21.78	21.94	21.82	21.90		
20	64QAM	1	0	21.96	21.93	22.04	21.85	21.97		
20	64QAM	1	49	21.84	21.88	21.93	21.83	21.86		
20	64QAM	1	99	21.86	21.88	21.99	21.84	21.95	23	0
20	64QAM	50	0	21.02	21.08	21.11	21.02	21.01		
20	64QAM	50	24	21.92	20.87	20.98	20.90	20.84		
20	64QAM	50	50	20.94	20.86	20.93	20.89	20.79		
20	64QAM	100	0	21.04	21.07	21.15	21.04	21.06	22	1
20	256QAM	1	0	19.99	19.97	19.02	19.00	18.95		
20	256QAM	1	49	18.86	18.81	18.91	18.91	18.84		
20	256QAM	1	99	19.04	19.02	19.09	18.88	19.01		
20	256QAM	50	0	19.12	19.04	19.12	19.05	19.04	20	3
20	256QAM	50	24	18.96	18.94	19.06	18.90	18.92		
20	256QAM	50	50	18.97	19.00	19.03	19.00	19.02		
20	256QAM	100	0	18.97	19.10	19.08	19.01	19.07		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.87	22.04	22.21	21.88	22.02	23.00	0
15	QPSK	1	37	21.80	21.97	21.98	21.93	21.99		
15	QPSK	1	74	21.86	21.76	22.00	21.94	21.81		
15	QPSK	36	0	21.87	21.90	22.00	21.89	22.00		
15	QPSK	36	20	21.87	21.94	22.00	21.89	21.92	23	0
15	QPSK	36	39	21.69	21.82	21.87	21.70	21.68		
15	QPSK	75	0	21.73	21.81	22.00	21.61	21.93		
15	16QAM	1	0	21.83	22.02	22.06	21.85	21.96		
15	16QAM	1	37	21.84	21.88	21.86	21.85	21.87	23	0
15	16QAM	1	74	21.78	21.74	21.91	21.78	21.74		
15	16QAM	36	0	21.67	21.93	21.94	21.86	21.94		
15	16QAM	36	20	21.82	21.80	21.84	21.84	21.84		
15	16QAM	36	39	21.72	21.85	21.81	21.75	21.64	23	0
15	16QAM	75	0	21.57	21.65	21.88	21.77	21.84		
15	64QAM	1	0	21.88	21.82	21.98	21.78	21.83		
15	64QAM	1	37	21.71	21.87	21.83	21.68	21.83		
15	64QAM	1	74	21.83	21.76	21.90	21.72	21.82	23	0
15	64QAM	36	0	20.96	20.93	20.97	20.98	20.89		
15	64QAM	36	20	20.88	20.79	20.91	20.81	20.72		
15	64QAM	36	39	20.81	20.83	20.80	20.77	20.69		
15	64QAM	75	0	21.00	20.96	21.06	20.90	20.94	22	1
15	256QAM	1	0	18.85	18.85	18.98	18.91	18.86		
15	256QAM	1	37	18.73	18.71	18.84	18.84	18.70		
15	256QAM	1	74	18.97	18.90	18.99	18.77	18.91		
15	256QAM	36	0	19.04	18.93	18.98	18.92	18.90	20	3
15	256QAM	36	20	18.99	18.95	19.00	18.90	18.89		
15	256QAM	36	39	18.83	18.96	18.94	18.97	18.92		
15	256QAM	75	0	18.89	19.00	19.03	18.94	18.94		
Channel				39700	41060	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.96	22.06	22.18	21.85	22.02	23.00	0
10	QPSK	1	25	21.86	22.01	21.97	21.92	22.00		
10	QPSK	1	49	21.83	21.76	21.96	21.85	21.78		
10	QPSK	25	0	21.86	21.92	22.01	21.98	22.03		
10	QPSK	25	12	21.85	21.93	21.95	21.89	21.99	23	0
10	QPSK	25	25	21.71	21.80	21.89	21.77	21.66		
10	QPSK	50	0	21.67	21.82	21.93	21.86	21.93		
10	16QAM	1	0	21.80	21.91	22.03	21.84	21.92		
10	16QAM	1	25	21.82	21.88	21.93	21.80	21.84	23	0
10	16QAM	1	49	21.77	21.80	21.88	21.77	21.69		
10	16QAM	25	0	21.71	21.85	22.04	21.88	21.91		
10	16QAM	25	12	21.60	21.70	21.85	21.78	21.85		
10	16QAM	25	25	21.68	21.75	21.89	21.74	21.71	23	0
10	16QAM	50	0	21.63	21.67	21.90	21.69	21.82		
10	64QAM	1	0	21.87	21.89	21.92	21.75	21.90		
10	64QAM	1	25	21.77	21.86	21.94	21.70	21.78		
10	64QAM	1	49	21.73	21.84	21.91	21.73	21.91	23	0
10	64QAM	25	0	20.91	20.97	21.05	20.88	20.98		
10	64QAM	25	12	20.83	20.72	20.84	20.84	20.73		
10	64QAM	25	25	20.84	20.79	20.85	20.78	20.70		
10	64QAM	50	0	21.01	21.00	21.07	20.93	21.00	22	1
10	256QAM	1	0	18.93	18.89	18.89	18.92	18.91		
10	256QAM	1	25	18.76	18.68	18.79	18.84	18.80		
10	256QAM	1	49	18.89	18.94	18.95	18.75	18.89		
10	256QAM	25	0	19.06	18.91	19.01	19.01	18.97	20	3
10	256QAM	25	12	18.83	18.83	18.93	18.82	18.78		
10	256QAM	25	25	18.93	18.96	19.00	18.95	18.97		
10	256QAM	50	0	18.94	19.05	19.02	18.93	19.00		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.86	22.10	22.16	21.89	22.00	23.00	0
5	QPSK	1	12	21.85	22.02	22.04	21.84	22.00		
5	QPSK	1	24	21.86	21.75	21.99	21.91	21.78		
5	QPSK	12	0	21.87	21.92	22.03	21.88	21.94		
5	QPSK	12	7	21.79	21.83	22.04	21.89	21.96	23	0
5	QPSK	12	13	21.71	21.90	21.87	21.76	21.71		
5	QPSK	25	0	21.66	21.79	21.99	21.90	21.97		
5	16QAM	1	0	21.86	22.02	22.03	21.82	21.94		
5	16QAM	1	12	21.81	21.89	21.84	21.81	21.87	23	0
5	16QAM	1	24	21.75	21.80	21.84	21.78	21.68		
5	16QAM	12	0	21.73	21.89	21.96	21.87	21.91		
5	16QAM	12	7	21.84	21.74	21.84	21.73	21.87		
5	16QAM	12	13	21.71	21.79	21.73	21.71	21.68	23	0
5	16QAM	25	0	21.53	21.74	21.88	21.71	21.83		
5	64QAM	1	0	21.83	21.82	21.97	21.74	21.89		
5	64QAM	1	12	21.76	21.88	21.94	21.74	21.77		
5	64QAM	1	24	21.79	21.83	21.88	21.78	21.87	23	0
5	64QAM	12	0	20.96	20.94	21.04	20.95	20.92		
5	64QAM	12	7	20.89	20.81	20.86	20.82	20.72		
5	64QAM	12	13	20.90	20.80	20.89	20.76	20.70		
5	64QAM	25	0	20.90	21.03	21.05	21.00	21.00	22	1
5	256QAM	1	0	18.92	18.90	18.90	18.88	18.95		
5	256QAM	1	12	18.74	18.69	18.84	18.79	18.75		
5	256QAM	1	24	18.98	18.92	18.96	18.82	18.89		
5	256QAM	12	0	19.00	18.94	19.07	19.02	19.00	20	3
5	256QAM	12	7	18.86	18.81	18.93	18.77	18.80		
5	256QAM	12	13	18.90	18.90	18.92	18.88	18.99		
5	256QAM	25	0	18.92	19.04	18.94	18.88	18.95		

GSM850 Ant1 Default

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.89	32.93	32.87	34.50	23.89	23.93	23.87	25.50
GPRS 1 Tx slot	32.82	32.89	32.83	34.50	23.82	23.89	23.83	25.50
GPRS 2 Tx slots	29.93	29.96	29.93	31.50	23.93	23.96	23.93	25.50
GPRS 3 Tx slots	28.02	28.12	28.06	30.00	23.76	23.86	23.80	25.74
GPRS 4 Tx slots	26.61	26.75	26.71	28.50	23.61	23.75	23.71	25.50
EDGE 1 Tx slot	26.96	27.05	26.97	28.00	17.96	18.05	17.97	19.00
EDGE 2 Tx slots	24.12	24.16	24.08	25.00	18.12	18.16	18.08	19.00
EDGE 3 Tx slots	22.16	22.21	22.13	23.00	17.90	17.95	17.87	18.74
EDGE 4 Tx slots	20.64	20.78	20.64	22.00	17.64	17.78	17.64	18.00

WCDMA V Ant1 DS14

Band	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	626.4	636.4	646.6	
3GPP Rel 99 RMC 12.2kbps	22.75	23.04	22.74	24.50
3GPP Rel 99 RMC 12.2kbps	22.81	23.09	22.71	24.50
3GPP Rel 6 HSDPA Subtest-1	21.95	22.09	21.86	23.50
3GPP Rel 6 HSDPA Subtest-2	21.91	22.14	21.84	23.50
3GPP Rel 6 HSDPA Subtest-3	21.48	21.71	21.43	23.00
3GPP Rel 6 HSDPA Subtest-4	21.43	21.53	21.37	23.00
3GPP Rel 6 DC-HSDPA Subtest-1	21.95	22.03	21.84	23.50
3GPP Rel 6 DC-HSDPA Subtest-2	21.91	22.19	21.87	23.50
3GPP Rel 6 DC-HSDPA Subtest-3	21.44	21.67	21.52	23.00
3GPP Rel 6 DC-HSDPA Subtest-4	21.39	21.51	21.35	23.00
3GPP Rel 6 HSUPA Subtest-1	22.04	22.16	21.84	23.50
3GPP Rel 6 HSUPA Subtest-2	19.95	20.17	19.87	21.50
3GPP Rel 6 HSUPA Subtest-3	20.94	21.18	20.82	22.50
3GPP Rel 6 HSUPA Subtest-4	20.02	20.14	19.87	21.50
3GPP Rel 6 HSUPA Subtest-5	22.04	22.15	21.81	23.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	19.33	19.64	19.58	21.00

Band 38 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	24	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.85	22.94	22.69			
20	QPSK	1	49	22.74	22.81	22.81	23	1	
20	QPSK	1	99	22.80	22.68	22.86			
20	QPSK	50	0	21.79	21.88	21.82			
20	QPSK	50	24	21.71	21.76	21.76	23	1	
20	QPSK	50	50	21.74	21.68	21.66			
20	QPSK	100	0	21.72	21.86	21.70			
20	16QAM	1	0	21.81	21.84	21.85	23	1	
20	16QAM	1	49	21.82	21.68	21.86			
20	16QAM	1	99	21.75	21.66	21.82			
20	16QAM	50	0	20.83	20.85	20.82	22	2	
20	16QAM	50	24	20.80	20.80	20.80			
20	16QAM	50	50	20.68	20.71	20.72			
20	16QAM	100	0	20.74	20.77	20.73	22	2	
20	64QAM	1	0	20.82	20.85	20.87			
20	64QAM	1	49	20.78	20.83	20.77			
20	64QAM	1	99	20.73	20.70	20.78	21	3	
20	64QAM	50	0	19.86	19.87	19.87			
20	64QAM	50	24	19.73	19.81	19.81			
20	64QAM	50	50	19.70	19.72	19.71	19	5	
20	64QAM	100	0	19.76	19.78	19.78			
20	256QAM	1	0	17.79	17.86	17.82			
20	256QAM	1	49	17.76	17.83	17.82	19	5	
20	256QAM	1	99	17.66	17.68	17.71			
20	256QAM	50	0	17.81	17.92	17.88			
20	256QAM	50	24	17.85	17.85	17.87	19	5	
20	256QAM	50	50	17.69	17.76	17.72			
20	256QAM	100	0	17.74	17.79	17.75			
Channel				37825	38000	38175	24	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.85	22.88	22.69			
15	QPSK	1	37	22.73	22.75	22.82	23	1	
15	QPSK	1	74	22.79	22.74	22.82			
15	QPSK	36	0	21.83	21.84	21.77			
15	QPSK	36	20	21.72	21.70	21.72	23	1	
15	QPSK	36	39	21.66	21.69	21.66			
15	QPSK	75	0	21.77	21.69	21.71			
15	16QAM	1	0	21.87	21.84	21.83	23	1	
15	16QAM	1	37	21.86	21.78	21.83			
15	16QAM	1	74	21.80	21.68	21.79			
15	16QAM	36	0	20.89	20.83	20.84	22	2	
15	16QAM	36	20	20.85	20.78	20.80			
15	16QAM	36	39	20.72	20.70	20.72			
15	16QAM	75	0	20.75	20.77	20.69	22	2	
15	64QAM	1	0	20.80	20.83	20.88			
15	64QAM	1	37	20.77	20.76	20.78			
15	64QAM	1	74	20.76	20.74	20.80	21	3	
15	64QAM	36	0	19.88	19.83	19.82			
15	64QAM	36	20	19.74	19.78	19.81			
15	64QAM	36	39	19.70	19.69	19.70	19	5	
15	64QAM	75	0	19.76	19.74	19.73			
15	256QAM	1	0	17.81	17.85	17.78			
15	256QAM	1	37	17.75	17.80	17.78	19	5	
15	256QAM	1	74	17.70	17.73	17.66			
15	256QAM	36	0	17.90	17.88	17.85			
15	256QAM	36	20	17.87	17.81	17.83	19	5	
15	256QAM	36	39	17.67	17.72	17.73			
15	256QAM	75	0	17.75	17.75	17.74			
Channel				37800	38000	38200	24	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.85	22.87	22.75			
10	QPSK	1	25	22.77	22.89	22.81	23	1	
10	QPSK	1	49	22.88	22.70	22.82			
10	QPSK	25	0	21.85	21.86	21.81			
10	QPSK	25	12	21.74	21.77	21.73	23	1	
10	QPSK	25	25	21.67	21.68	21.66			
10	QPSK	50	0	21.75	21.78	21.73			
10	16QAM	1	0	21.87	21.92	21.89	23	1	
10	16QAM	1	25	21.86	21.87	21.85			
10	16QAM	1	49	21.82	21.72	21.82			
10	16QAM	25	0	20.84	20.90	20.85	22	2	
10	16QAM	25	12	20.88	20.84	20.78			
10	16QAM	25	25	20.75	20.72	20.71			
10	16QAM	50	0	20.75	20.82	20.69	22	2	
10	64QAM	1	0	20.83	20.90	20.86			
10	64QAM	1	25	20.85	20.84	20.73			
10	64QAM	1	49	20.75	20.73	20.80	21	3	
10	64QAM	25	0	19.87	19.87	19.86			
10	64QAM	25	12	19.74	19.82	19.79			
10	64QAM	25	25	19.78	19.76	19.73	19	5	
10	64QAM	50	0	19.78	19.84	19.74			
10	256QAM	1	0	17.82	17.94	17.85			
10	256QAM	1	25	17.81	17.86	17.84	19	5	
10	256QAM	1	49	17.71	17.74	17.66			
10	256QAM	25	0	17.97	17.92	17.91			
10	256QAM	25	12	17.89	17.86	17.89	19	5	
10	256QAM	25	25	17.76	17.80	17.72			
10	256QAM	50	0	17.68	17.81	17.72			
Channel				37775	38000	38225	24	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.75	22.82	22.68			
5	QPSK	1	12	22.67	22.78	22.80	23	1	
5	QPSK	1	24	22.77	22.69	22.83			
5	QPSK	12	0	21.74	21.84	21.81			
5	QPSK	12	7	21.66	21.73	21.73	23	1	
5	QPSK	12	13	21.76	21.72	21.71			
5	QPSK	25	0	21.68	21.75	21.68			
5	16QAM	1	0	21.74	21.85	21.82	23	1	
5	16QAM	1	12	21.78	21.89	21.83			
5	16QAM	1	24	21.66	21.67	21.76			
5	16QAM	12	0	20.75	20.86	20.79	22	2	
5	16QAM	12	7	20.76	20.81	20.78			
5	16QAM	12	13	20.70	20.72	20.67			
5	16QAM	25	0	20.67	20.79	20.68	22	2	
5	64QAM	1	0	20.75	20.81	20.80			
5	64QAM	1	12	20.74	20.82	20.70			
5	64QAM	1	24	20.66	20.69	20.74	21	3	
5	64QAM	12	0	19.76	19.85	19.84			
5	64QAM	12	7	19.70	19.79	19.74			
5	64QAM	12	13	19.66	19.71	19.66	19	5	
5	64QAM	25	0	19.71	19.80	19.78			
5	256QAM	1	0	17.71	17.88	17.75			
5	256QAM	1	12	17.67	17.83	17.77	19	5	
5	256QAM	1	24	17.70	17.66	17.69			
5	256QAM	12	0	17.85	17.93	17.81			
5	256QAM	12	7	17.77	17.83	17.83	19	5	
5	256QAM	12	13	17.69	17.74	17.74			
5	256QAM	25	0	17.66	17.78	17.71			

Band 41 Ant1 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	23	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.85	21.72	21.97	21.76	21.85	23	0
20	QPSK	1	49	21.83	21.78	21.93	21.77	21.78		
20	QPSK	1	99	21.75	21.70	21.82	21.77	21.81		
20	QPSK	50	0	21.75	21.80	21.86	21.71	21.80		
20	QPSK	50	24	21.60	21.65	21.75	21.75	21.63	23	0
20	QPSK	50	50	21.59	21.65	21.68	21.71	21.67		
20	QPSK	100	0	21.72	21.72	21.83	21.72	21.64		
20	16QAM	1	0	21.73	21.76	21.78	21.75	21.71		
20	16QAM	1	49	21.75	21.81	21.81	21.80	21.76	23	0
20	16QAM	1	99	21.70	21.61	21.61	21.75	21.75		
20	16QAM	50	0	20.73	20.78	20.82	20.70	20.76		
20	16QAM	50	24	20.70	20.70	20.77	20.69	20.64		
20	16QAM	50	50	20.66	20.68	20.68	20.67	20.68	22	1
20	16QAM	100	0	20.68	20.68	20.78	20.66	20.70		
20	64QAM	1	0	20.72	20.76	20.84	20.73	20.71		
20	64QAM	1	49	20.70	20.65	20.77	20.63	20.70		
20	64QAM	1	99	20.59	20.68	20.70	20.69	20.72	22	1
20	64QAM	50	0	19.79	19.82	19.81	19.79	19.78		
20	64QAM	50	24	19.71	19.66	19.77	19.62	19.69		
20	64QAM	50	50	19.64	19.66	19.69	19.60	19.62		
20	64QAM	100	0	19.68	19.66	19.69	19.71	19.70	21	2
20	256QAM	1	0	17.71	17.71	17.82	17.70	17.69		
20	256QAM	1	49	17.77	17.67	17.82	17.68	17.74		
20	256QAM	1	99	17.71	17.64	17.74	17.72	17.66		
20	256QAM	50	0	17.81	17.78	17.89	17.79	17.77	19	4
20	256QAM	50	24	17.72	17.73	17.81	17.72	17.65		
20	256QAM	50	50	17.64	17.61	17.72	17.69	17.64		
20	256QAM	100	0	17.68	17.63	17.78	17.65	17.65		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.72	21.60	21.86	21.70	21.73	23.0	0
15	QPSK	1	37	21.74	21.64	21.87	21.66	21.70		
15	QPSK	1	74	21.69	21.62	21.89	21.73	21.78		
15	QPSK	36	0	21.70	21.73	21.81	21.63	21.70		
15	QPSK	36	20	21.54	21.53	21.68	21.65	21.53	23	0
15	QPSK	36	39	21.55	21.53	21.54	21.65	21.62		
15	QPSK	75	0	21.64	21.61	21.71	21.65	21.53		
15	16QAM	1	0	21.69	21.69	21.74	21.68	21.65		
15	16QAM	1	37	21.70	21.73	21.69	21.69	21.70	23	0
15	16QAM	1	74	21.62	21.55	21.55	21.71	21.70		
15	16QAM	36	0	20.64	20.66	20.68	20.56	20.67		
15	16QAM	36	20	20.57	20.63	20.72	20.59	20.55		
15	16QAM	36	39	20.57	20.58	20.56	20.63	20.54	22	1
15	16QAM	75	0	20.60	20.57	20.72	20.55	20.55		
15	64QAM	1	0	20.63	20.64	20.79	20.68	20.64		
15	64QAM	1	37	20.67	20.54	20.62	20.67	20.57		
15	64QAM	1	74	20.56	20.64	20.57	20.64	20.61	22	1
15	64QAM	36	0	19.69	19.67	19.68	19.68	19.69		
15	64QAM	36	20	19.61	19.52	19.74	19.49	19.55		
15	64QAM	36	39	19.50	19.57	19.66	19.54	19.51		
15	64QAM	75	0	19.59	19.63	19.61	19.59	19.60	21	2
15	256QAM	1	0	17.60	17.63	17.68	17.58	17.57		
15	256QAM	1	37	17.64	17.57	17.78	17.60	17.60		
15	256QAM	1	74	17.65	17.59	17.64	17.66	17.61		
15	256QAM	36	0	17.70	17.71	17.84	17.73	17.67	19	4
15	256QAM	36	20	17.59	17.69	17.67	17.68	17.52		
15	256QAM	36	39	17.50	17.50	17.68	17.61	17.50		
15	256QAM	75	0	17.55	17.55	17.64	17.52	17.51		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.76	21.60	21.83	21.71	21.71	23.0	0
10	QPSK	1	25	21.77	21.65	21.86	21.69	21.67		
10	QPSK	1	49	21.70	21.64	21.75	21.64	21.77		
10	QPSK	25	0	21.62	21.74	21.81	21.60	21.77		
10	QPSK	25	12	21.52	21.61	21.65	21.63	21.52	23	0
10	QPSK	25	25	21.51	21.51	21.61	21.64	21.54		
10	QPSK	50	0	21.64	21.63	21.71	21.60	21.56		
10	16QAM	1	0	21.66	21.65	21.63	21.68	21.60		
10	16QAM	1	25	21.67	21.74	21.67	21.68	21.65	23	0
10	16QAM	1	49	21.56	21.49	21.57	21.71	21.70		
10	16QAM	25	0	20.64	20.64	20.69	20.61	20.69		
10	16QAM	25	12	20.55	20.59	20.64	20.62	20.57		
10	16QAM	25	25	20.55	20.56	20.56	20.68	20.58	22	1
10	16QAM	50	0	20.60	20.59	20.72	20.61	20.58		
10	64QAM	1	0	20.67	20.68	20.74	20.63	20.59		
10	64QAM	1	25	20.57	20.51	20.63	20.62	20.57		
10	64QAM	1	49	20.52	20.57	20.67	20.64	20.64	22	1
10	64QAM	25	0	19.70	19.68	19.78	19.66	19.72		
10	64QAM	25	12	19.64	19.62	19.67	19.49	19.56		
10	64QAM	25	25	19.52	19.55	19.61	19.54	19.49		
10	64QAM	50	0	19.62	19.55	19.65	19.63	19.56	19	4
10	256QAM	1	0	17.57	17.57	17.78	17.60	17.57		
10	256QAM	1	25	17.67	17.54	17.69	17.64	17.62		
10	256QAM	1	49	17.63	17.61	17.69	17.63	17.60		
10	256QAM	25	0	17.74	17.72	17.80	17.70	17.74	19	4
10	256QAM	25	12	17.62	17.60	17.75	17.67	17.51		
10	256QAM	25	25	17.52	17.58	17.70	17.64	17.50		
10	256QAM	50	0	17.63	17.57	17.65	17.54	17.55		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.76	21.66	21.83	21.71	21.73	23.0	0
5	QPSK	1	12	21.76	21.68	21.79	21.71	21.63		
5	QPSK	1	24	21.67	21.59	21.68	21.67	21.78		
5	QPSK	12	0	21.63	21.69	21.79	21.58	21.71		
5	QPSK	12	7	21.53	21.53	21.62	21.69	21.49	23	0
5	QPSK	12	13	21.45	21.51	21.61	21.67	21.58		
5	QPSK	25	0	21.67	21.59	21.74	21.65	21.57		
5	16QAM	1	0	21.62	21.65	21.63	21.70	21.58		
5	16QAM	1	12	21.69	21.68	21.68	21.70	21.72	23	0
5	16QAM	1	24	21.63	21.52	21.50	21.69	21.67		
5	16QAM	12	0	20.68	20.64	20.76	20.64	20.63		
5	16QAM	12	7	20.64	20.55	20.63	20.57	20.61		
5	16QAM	12	13	20.53	20.56	20.58	20.55	20.58	22	1
5	16QAM	25	0	20.61	20.56	20.67	20.62	20.58		
5	64QAM	1	0	20.59	20.70	20.78	20.64	20.62		
5	64QAM	1	12	20.63	20.52	20.68	20.68	20.55		
5	64QAM	1	24	20.54	20.57	20.57	20.65	20.63	22	1
5	64QAM	12	0	19.68	19.73	19.66	19.64	19.66		
5	64QAM	12	7	19.61	19.61	19.69	19.57	19.58		
5	64QAM	12	13	19.58	19.55	19.63	19.50	19.58		
5	256QAM	25	0	19.57	19.55	19.62	19.58	19.59	19	4
5	256QAM	1	0	17.62	17.60	17.69	17.66	17.55		
5	256QAM	1	12	17.73	17.53	17.70	17.57	17.69		
5	256QAM	1	24	17.65	17.51	17.64	17.62	17.62		
5	256QAM	12	0	17.75	17.65	17.82	17.66	17.64	19	4
5	256QAM	12	7	17.66	17.67	17.66	17.65	17.60		
5	256QAM	12	13	17.53	17.51	17.65	17.66	17.60		
5	256QAM	25	0	17.62	17.56	17.63	17.58	17.57		

GSM1900 Ant2 DS14

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	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	27.84	27.88	27.80	29.50	18.84	18.88	18.80	20.50
GPRS 1 Tx slot	27.75	27.81	27.70	29.50	18.75	18.81	18.70	20.50
GPRS 2 Tx slots	24.83	24.89	24.85	26.50	18.83	18.89	18.85	20.50
GPRS 3 Tx slots	23.07	23.12	23.05	25.00	18.81	18.86	18.79	20.74
GPRS 4 Tx slots	21.65	21.76	21.67	23.50	18.65	18.76	18.67	20.50
EDGE 1 Tx slot	23.74	23.84	23.75	25.00	14.74	14.84	14.75	15.00
EDGE 2 Tx slots	20.62	20.66	20.54	22.00	14.62	14.66	14.56	15.00
EDGE 3 Tx slots	18.57	18.67	18.62	20.00	14.31	14.41	14.36	15.74
EDGE 4 Tx slots	17.18	17.22	17.08	18.50	14.18	14.22	14.08	15.50

WCDMA II Ant2 DS14

WCDMA IV Ant2 DS14

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
TX Channel	9662	9800	9938		1537	1638	1738	
Rx Channel	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 RMC 12.2kpps	19.74	19.74	19.72	21.50	18.63	18.09	19.10	20.50
3GPP Rel 99 RMC 12.2kpps	19.80	19.02	19.70	21.50	18.91	19.28	19.10	20.50
3GPP Rel 6 HSDPA Subtest-1	18.85	18.77	18.73	20.50	17.99	18.19	17.96	19.50
3GPP Rel 6 HSDPA Subtest-2	18.87	18.79	18.67	20.50	18.03	18.30	17.89	19.50
3GPP Rel 6 HSDPA Subtest-3	18.33	18.45	18.26	20.00	17.62	17.76	17.43	19.00
3GPP Rel 6 HSDPA Subtest-4	18.33	18.36	18.12	20.00	17.51	17.70	17.36	19.00
3GPP Rel 8 DC-HSDPA Subtest-1	18.79	18.82	18.66	20.50	18.03	18.18	17.98	19.50
3GPP Rel 8 DC-HSDPA Subtest-2	18.79	18.81	18.67	20.50	18.04	18.22	17.87	19.50
3GPP Rel 8 DC-HSDPA Subtest-3	18.34	18.37	18.22	20.00	17.54	17.66	17.55	19.00
3GPP Rel 8 DC-HSDPA Subtest-4	18.32	18.35	18.09	20.00	17.50	17.73	17.30	19.00
3GPP Rel 6 HSUPA Subtest-1	18.75	18.83	18.64	20.50	18.08	18.18	17.96	19.50
3GPP Rel 6 HSUPA Subtest-2	16.78	16.79	16.66	18.50	16.04	16.16	15.89	17.50
3GPP Rel 6 HSUPA Subtest-3	17.81	17.80	17.68	19.50	17.14	17.15	16.95	18.50
3GPP Rel 6 HSUPA Subtest-4	16.82	16.77	16.74	18.50	16.10	16.19	15.89	17.50
3GPP Rel 6 HSUPA Subtest-5	18.79	18.84	18.72	20.50	18.11	18.19	17.98	19.50
3GPP Rel 7 HSPA+ (15QAM) Subtest-1	16.25	16.35	16.32	18.00	15.64	15.67	15.48	17.00

Band 38 Ant2 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.38	19.40	19.36	20.5	0	
20	QPSK	1	49	19.28	19.32	19.29			
20	QPSK	1	99	19.26	19.23	19.23			
20	QPSK	50	0	19.21	19.35	19.27			
20	QPSK	50	24	19.18	19.24	19.19	20.5	0	
20	QPSK	50	50	19.23	19.21	19.12			
20	QPSK	100	0	19.21	19.31	19.17			
20	16QAM	1	0	19.28	19.27	19.25			
20	16QAM	1	49	19.27	19.22	19.24	20.5	0	
20	16QAM	1	99	19.18	19.23	19.14			
20	16QAM	50	0	19.22	19.31	19.19			
20	16QAM	50	24	19.18	19.14	19.12			
20	16QAM	50	50	19.12	19.11	19.07	20.5	0	
20	16QAM	100	0	19.10	19.22	19.07			
20	64QAM	1	0	19.31	19.33	19.25			
20	64QAM	1	49	19.25	19.30	19.23			
20	64QAM	1	99	19.15	19.15	19.20	20.5	0	
20	64QAM	50	0	19.17	19.29	19.23			
20	64QAM	50	24	19.09	19.25	19.20			
20	64QAM	50	50	19.22	19.07	19.09			
20	64QAM	100	0	19.19	19.17	19.11	19.5	1	
20	256QAM	1	0	18.42	18.43	18.43			
20	256QAM	1	49	18.31	18.47	18.33			
20	256QAM	1	99	18.32	18.25	18.30			
20	256QAM	50	0	18.40	18.44	18.32	19.5	1	
20	256QAM	50	24	18.39	18.41	18.36			
20	256QAM	50	50	18.19	18.24	18.21			
20	256QAM	100	0	18.27	18.43	18.35			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.33	19.33	19.33	20.5	0	
15	QPSK	1	37	19.16	19.22	19.18			
15	QPSK	1	74	19.13	19.20	19.08			
15	QPSK	36	0	19.10	19.21	19.22			
15	QPSK	36	20	19.08	19.09	19.12	20.5	0	
15	QPSK	36	39	19.12	19.11	19.08			
15	QPSK	75	0	19.14	19.23	19.06			
15	16QAM	1	0	19.19	19.21	19.11			
15	16QAM	1	37	19.14	19.09	19.11	20.5	0	
15	16QAM	1	74	19.08	19.09	18.99			
15	16QAM	36	0	19.18	19.27	19.08			
15	16QAM	36	20	19.11	19.03	19.08			
15	16QAM	36	39	18.98	19.00	18.96	20.5	0	
15	16QAM	75	0	18.98	19.13	18.94			
15	64QAM	1	0	19.22	19.18	19.18			
15	64QAM	1	37	19.14	19.15	19.16			
15	64QAM	1	74	19.08	19.03	19.16	20.5	0	
15	64QAM	36	0	19.13	19.15	19.11			
15	64QAM	36	20	18.99	19.21	19.13			
15	64QAM	36	39	19.17	18.99	18.99			
15	64QAM	75	0	19.05	19.12	18.99	19.5	1	
15	256QAM	1	0	18.34	18.35	18.35			
15	256QAM	1	37	18.22	18.35	18.22			
15	256QAM	1	74	18.21	18.21	18.19			
15	256QAM	36	0	18.29	18.34	18.24	19.5	1	
15	256QAM	36	20	18.29	18.27	18.22			
15	256QAM	36	39	18.13	18.27	18.07			
15	256QAM	75	0	18.19	18.36	18.27			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.33	19.33	19.27	20.5	0	
10	QPSK	1	25	19.24	19.25	19.25			
10	QPSK	1	49	19.23	19.19	19.19			
10	QPSK	25	0	19.13	19.23	19.17			
10	QPSK	25	12	19.08	19.15	19.06	20.5	0	
10	QPSK	25	25	19.18	19.08	19.06			
10	QPSK	50	0	19.07	19.26	19.04			
10	16QAM	1	0	19.16	19.20	19.15			
10	16QAM	1	25	19.22	19.09	19.10	20.5	0	
10	16QAM	1	49	19.12	19.14	19.06			
10	16QAM	25	0	19.09	19.21	19.09			
10	16QAM	25	12	19.09	19.02	18.98			
10	16QAM	50	0	19.06	19.12	19.00	20.5	0	
10	16QAM	50	0	19.18	19.25	19.15			
10	64QAM	1	0	19.18	19.19	19.10			
10	64QAM	1	25	19.22	19.19	19.10			
10	64QAM	1	49	19.05	19.07	19.12	20.5	0	
10	64QAM	25	0	19.03	19.22	19.16			
10	64QAM	25	12	18.96	19.16	19.15			
10	64QAM	25	25	19.11	18.94	18.94			
10	64QAM	50	0	19.13	19.09	19.01	19.5	1	
10	256QAM	1	0	18.27	18.38	18.36			
10	256QAM	1	25	18.21	18.40	18.30			
10	256QAM	1	49	18.26	18.22	18.23			
10	256QAM	25	0	18.34	18.30	18.24	19.5	1	
10	256QAM	25	12	18.30	18.38	18.24			
10	256QAM	25	25	18.12	18.22	18.15			
10	256QAM	50	0	18.22	18.39	18.31			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.27	19.30	19.29	20.5	0	
5	QPSK	1	12	19.15	19.25	19.21			
5	QPSK	1	24	19.17	19.19	19.15			
5	QPSK	12	0	19.18	19.23	19.14			
5	QPSK	12	7	19.14	19.20	19.04	20.5	0	
5	QPSK	12	13	19.20	19.10	18.99			
5	QPSK	25	0	19.06	19.26	19.07			
5	16QAM	1	0	19.25	19.15	19.20			
5	16QAM	1	12	19.20	19.17	19.15	20.5	0	
5	16QAM	1	24	19.06	19.11	19.09			
5	16QAM	12	0	19.09	19.22	19.07			
5	16QAM	12	7	19.12	19.00	19.01			
5	16QAM	12	13	19.09	19.01	19.01	20.5	0	
5	16QAM	25	0	18.99	19.08	19.04			
5	64QAM	1	0	19.28	19.18	19.11			
5	64QAM	1	12	19.18	19.18	19.15			
5	64QAM	1	24	19.05	19.02	19.08	20.5	0	
5	64QAM	12	0	19.09	19.23	19.19			
5	64QAM	12	7	19.01	19.19	19.07			
5	64QAM	12	13	19.19	19.02	18.95			
5	64QAM	25	0	19.05	19.07	19.01	19.5	1	
5	256QAM	1	0	18.35	18.39	18.30			
5	256QAM	1	12	18.26	18.34	18.18			
5	256QAM	1	24	18.19	18.10	18.16			
5	256QAM	12	0	18.36	18.32	18.27	19.5	1	
5	256QAM	12	7	18.25	18.37	18.28			
5	256QAM	12	13	18.11	18.30	18.09			
5	256QAM	25	0	18.19	18.32	18.22			

Band 41 Ant2 DSI4											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	20.19	20.12	20.56	20.61	21.50	22	0	
20	QPSK	1	49	20.04	20.18	20.54	20.72	21.49			
20	QPSK	1	99	20.10	20.24	20.35	20.43	21.23			
20	QPSK	50	0	20.00	20.04	20.56	20.39	21.41	22	0	
20	QPSK	50	24	20.04	20.09	20.47	20.57	21.40			
20	QPSK	50	50	20.12	20.25	20.32	20.39	21.18			
20	QPSK	100	0	20.18	20.11	20.42	20.53	21.36	22	0	
20	16QAM	1	0	20.12	20.10	20.45	20.54	21.47			
20	16QAM	1	49	20.20	20.09	20.34	20.37	21.10			
20	16QAM	1	99	20.07	20.00	20.39	20.42	21.29	22	0	
20	16QAM	50	0	20.19	20.10	20.41	20.56	21.40			
20	16QAM	50	24	20.08	20.22	20.15	20.31	21.18			
20	16QAM	50	50	20.11	20.03	20.42	20.60	21.24	22	0	
20	16QAM	100	0	20.02	20.01	20.49	20.68	21.45			
20	64QAM	1	0	20.02	20.04	20.21	20.44	21.25			
20	64QAM	1	49	20.00	20.00	20.06	20.42	21.30	22	0	
20	64QAM	1	99	20.20	20.02	20.42	20.58	21.31			
20	64QAM	50	0	19.67	19.67	20.08	20.15	20.91			
20	64QAM	50	24	20.08	19.73	20.04	20.18	20.92	21.5	0.5	
20	64QAM	50	50	19.51	19.64	19.88	20.03	20.72			
20	64QAM	100	0	19.80	19.66	19.94	20.15	20.90			
20	256QAM	1	0	17.61	17.57	17.99	18.00	18.87	19.5	2.5	
20	256QAM	1	49	17.50	17.57	18.01	18.29	18.98			
20	256QAM	1	99	17.58	17.75	17.89	17.97	18.72			
20	256QAM	50	0	17.71	17.52	18.10	18.16	18.81	19.5	2.5	
20	256QAM	50	24	17.79	17.63	18.14	18.01	18.92			
20	256QAM	50	50	17.74	17.68	17.93	18.19	18.98			
20	256QAM	100	0	17.53	17.85	17.75	17.90	18.62			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	20.19	20.14	20.54	20.52	21.41	22.00	0	
15	QPSK	1	37	20.01	20.17	20.56	20.56	21.45			
15	QPSK	1	74	20.02	20.20	20.19	20.38	21.02			
15	QPSK	36	0	20.15	20.15	20.40	20.27	21.15	22	0	
15	QPSK	36	20	20.13	20.05	20.28	20.57	21.24			
15	QPSK	36	39	20.00	20.19	20.25	20.20	21.00			
15	QPSK	75	0	20.14	20.02	20.39	20.51	21.38	22	0	
15	16QAM	1	0	20.13	20.06	20.27	20.56	21.39			
15	16QAM	1	37	20.22	20.02	20.33	20.37	21.09			
15	16QAM	1	74	20.17	20.01	20.29	20.37	21.08	22	0	
15	16QAM	36	0	20.10	20.11	20.23	20.51	21.26			
15	16QAM	36	20	20.17	20.01	20.01	20.16	21.18			
15	16QAM	36	39	20.08	20.02	20.39	20.53	21.23	22	0	
15	16QAM	75	0	20.19	20.08	20.46	20.66	21.36			
15	64QAM	1	0	20.00	20.13	20.16	20.28	21.27			
15	64QAM	1	37	20.00	20.12	20.33	20.44	21.26	22	0	
15	64QAM	1	74	20.18	20.17	20.35	20.51	21.11			
15	64QAM	36	0	19.59	19.54	19.88	19.99	20.85			
15	64QAM	36	20	19.92	19.59	19.90	20.17	20.87	21.5	0.5	
15	64QAM	36	39	19.50	19.64	19.80	19.82	20.52			
15	64QAM	75	0	19.79	19.65	19.89	20.03	20.71			
15	256QAM	1	0	17.60	17.55	17.97	17.79	18.67	19.5	2.5	
15	256QAM	1	37	17.52	17.56	17.81	18.25	18.88			
15	256QAM	1	74	17.59	17.63	17.75	17.97	18.64			
15	256QAM	36	0	17.59	17.52	18.08	18.06	18.78	19.5	2.5	
15	256QAM	36	20	17.78	17.59	17.92	17.96	18.90			
15	256QAM	36	39	17.63	17.85	17.80	18.04	18.94			
15	256QAM	75	0	17.62	17.83	17.73	17.79	18.55			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	20.01	20.08	20.49	20.51	21.20	22.00	0	
10	QPSK	1	25	20.08	20.17	20.39	20.73	21.34			
10	QPSK	1	49	20.16	20.17	20.20	20.43	21.21			
10	QPSK	25	0	20.08	20.19	20.44	20.21	21.23	22	0	
10	QPSK	25	12	20.04	20.11	20.28	20.43	21.34			
10	QPSK	25	25	20.07	20.16	20.33	20.30	21.12			
10	QPSK	50	0	20.10	20.13	20.24	20.40	21.22	22	0	
10	16QAM	1	0	20.01	20.02	20.30	20.39	21.39			
10	16QAM	1	25	20.00	20.08	20.22	20.21	20.94			
10	16QAM	1	49	20.07	20.04	20.37	20.33	21.25	22	0	
10	16QAM	25	0	20.19	20.09	20.37	20.41	21.19			
10	16QAM	25	12	20.06	20.08	20.18	20.13	20.98			
10	16QAM	25	25	20.15	20.03	20.01	20.45	21.11	22	0	
10	16QAM	50	0	20.14	20.03	20.46	20.40	21.25			
10	64QAM	1	0	20.00	20.04	20.22	20.41	21.24			
10	64QAM	1	25	20.01	20.10	20.25	20.41	21.20	22	0	
10	64QAM	1	49	20.16	20.06	20.26	20.48	21.28			
10	64QAM	25	0	19.65	19.52	19.91	20.00	20.87			
10	64QAM	25	12	19.80	19.54	19.92	20.07	20.78	21.5	0.5	
10	64QAM	25	25	19.99	19.54	19.89	20.02	20.65			
10	64QAM	50	0	19.71	19.69	19.73	20.01	20.70			
10	256QAM	1	0	17.56	17.57	17.84	17.82	18.88	19.5	2.5	
10	256QAM	1	25	17.77	17.50	17.84	18.13	18.89			
10	256QAM	1	49	17.53	17.60	17.73	17.94	18.58			
10	256QAM	25	0	17.67	17.60	17.89	17.96	18.68	19.5	2.5	
10	256QAM	25	12	17.60	17.62	18.00	17.83	18.75			
10	256QAM	25	25	17.75	17.62	17.83	18.12	18.80			
10	256QAM	50	0	17.53	17.70	17.54	17.70	18.42			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	20.14	20.16	20.40	20.50	21.21	22.00	0	
5	QPSK	1	12	20.18	20.09	20.55	20.60	21.47			
5	QPSK	1	24	20.12	20.06	20.23	20.21	21.06			
5	QPSK	12	0	20.17	20.14	20.52	20.23	21.09	22	0	
5	QPSK	12	7	20.10	20.08	20.28	20.47	21.26			
5	QPSK	12	13	20.10	20.12	20.23	20.28	21.10			
5	QPSK	25	0	20.10	20.09	20.22	20.37	21.28	22	0	
5	16QAM	1	0	20.15	20.00	20.42	20.56	21.27			
5	16QAM	1	12	20.00	20.00	20.30	20.17	21.06			
5	16QAM	1	24	20.02	20.01	20.39	20.23	21.27	22	0	
5	16QAM	12	0	20.08	20.10	20.34	20.41	21.21			
5	16QAM	12	7	20.02	20.18	20.13	20.17	21.19			
5	16QAM	12	13	20.10	20.16	20.26	20.47	21.18	22	0	
5	16QAM	25	0	20.01	20.08	20.44	20.56	21.24			
5	64QAM	1	0	20.13	20.16	20.13	20.39	21.08			
5	64QAM	1	12	20.01	20.03	20.29	20.41	21.15	22	0	
5	64QAM	1	24	20.05	20.12	20.44	20.57	21.30			
5	64QAM	12	0	19.50	19.57	19.96	19.99	20.75			
5	64QAM	12	7	19.94	19.66	19.83	20.20	20.89	21.5	0.5	
5	64QAM	12	13	19.59	19.50	19.89	19.95	20.52			
5	64QAM	25	0	19.67	19.52	19.61	20.02	20.68			
5	256QAM	1	0	17.54	17.50	17.93	17.85	18.78	19.5	2.5	
5	256QAM	1	12	17.50	17.60	17.88	18.19	18.79			
5	256QAM	1	24	17.69	17.60	17.74	17.88	18.56			
5	256QAM	12	0	17.68	17.53	17.98	18.04	18.72	19.5	2.5	
5	256QAM	12	7	17.80	17.57	18.05	18.01	18.91			
5	256QAM	12	13	17.66	17.58	17.74	18.00	18.85			
5	256QAM	25	0	17.59	17.79	17.67	17.84	18.49			

Band 4 Ant5 DSI4																		
SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	MPR (dB)										
Channel																		
Frequency (MHz)																		
20	QPSK	1	0	19.48	19.57	19.53	21	0										
20	QPSK	1	49	19.52	19.55	19.52												
20	QPSK	1	99	19.36	19.51	19.45												
20	QPSK	50	0	19.34	19.53	19.34												
20	QPSK	50	24	19.43	19.44	19.44												
20	QPSK	50	50	19.34	19.46	19.37	21	0										
20	QPSK	100	0	19.34	19.47	19.32												
20	15QAM	1	0	19.42	19.55	19.46												
20	15QAM	1	49	19.47	19.51	19.47												
20	15QAM	1	99	19.35	19.46	19.42												
20	15QAM	50	0	19.33	19.46	19.33	21	0										
20	15QAM	50	24	19.42	19.49	19.42												
20	15QAM	100	0	19.26	19.43	19.29												
20	15QAM	100	0	19.41	19.44	19.42												
20	15QAM	1	49	19.50	19.49	19.51												
20	15QAM	1	99	19.34	19.44	19.43	21	0										
20	15QAM	50	0	19.28	19.52	19.30												
20	15QAM	50	24	19.40	19.43	19.41												
20	15QAM	50	50	19.27	19.45	19.32												
20	15QAM	100	0	19.35	19.40	19.26												
20	256QAM	1	49	17.43	17.62	17.62	19	2										
20	256QAM	1	99	17.59	17.56	17.58												
20	256QAM	50	0	17.42	17.54	17.46												
20	256QAM	50	24	17.59	17.72	17.55												
20	256QAM	50	50	17.55	17.63	17.48												
20	256QAM	100	0	17.46	17.62	17.49	19	2										
Channel																		
Frequency (MHz)																		
15	QPSK	1	0	19.38	19.48	19.41			21	0								
15	QPSK	1	37	19.44	19.49	19.46												
15	QPSK	1	74	19.30	19.45	19.37												
15	QPSK	36	0	19.25	19.46	19.36												
15	QPSK	36	36	19.33	19.33	19.38												
15	QPSK	36	36	19.23	19.35	19.33	21	0										
15	QPSK	36	36	19.23	19.35	19.33												
15	15QAM	1	0	19.38	19.43	19.37												
15	15QAM	1	37	19.41	19.37	19.32												
15	15QAM	1	74	19.27	19.34	19.33												
15	15QAM	36	0	19.18	19.37	19.27	21	0										
15	15QAM	36	20	19.20	19.26	19.25												
15	15QAM	36	36	19.21	19.41	19.29												
15	15QAM	75	0	19.22	19.36	19.18												
15	15QAM	1	0	19.38	19.46	19.43												
15	15QAM	1	37	19.40	19.44	19.42	21	0										
15	15QAM	1	74	19.33	19.38	19.37												
15	15QAM	36	0	19.15	19.44	19.35												
15	15QAM	36	20	19.32	19.36	19.27												
15	15QAM	36	36	19.12	19.34	19.19												
15	15QAM	75	0	19.20	19.26	19.17	19	2										
15	256QAM	1	0	17.37	17.53	17.57												
15	256QAM	1	37	17.34	17.48	17.53												
15	256QAM	1	74	17.46	17.43	17.46												
15	256QAM	36	0	17.30	17.42	17.33												
15	256QAM	36	20	17.46	17.45	17.44	19	2										
15	256QAM	36	36	17.41	17.53	17.38												
15	256QAM	75	0	17.41	17.55	17.46												
Channel																		
Frequency (MHz)																		
10	QPSK	1	0	19.36	19.44	19.45	21	0										
10	QPSK	1	25	19.38	19.48	19.43												
10	QPSK	1	49	19.36	19.48	19.36												
10	QPSK	25	0	19.26	19.44	19.26												
10	QPSK	25	12	19.30	19.31	19.29												
10	QPSK	25	25	19.21	19.37	19.31	21	0										
10	QPSK	50	0	19.25	19.38	19.21												
10	15QAM	1	0	19.29	19.44	19.36												
10	15QAM	1	25	19.41	19.44	19.33												
10	15QAM	1	49	19.23	19.37	19.33												
10	15QAM	25	0	19.20	19.36	19.29	21	0										
10	15QAM	25	12	19.36	19.24	19.36												
10	15QAM	25	25	19.15	19.40	19.20												
10	15QAM	50	0	19.17	19.30	19.19												
10	15QAM	50	0	19.26	19.24	19.26												
10	15QAM	1	25	19.41	19.57	19.44	21	0										
10	15QAM	1	49	19.21	19.33	19.38												
10	15QAM	25	0	19.21	19.47	19.17												
10	15QAM	25	12	19.35	19.36	19.27												
10	15QAM	25	25	19.14	19.31	19.18												
10	15QAM	50	0	19.16	19.36	19.22	19	2										
10	256QAM	1	0	17.46	17.57	17.54												
10	256QAM	1	25	17.52	17.59	17.54												
10	256QAM	1	49	17.54	17.46	17.47												
10	256QAM	1	99	17.54	17.49	17.39												
10	256QAM	25	12	17.52	17.69	17.46	19	2										
10	256QAM	25	25	17.45	17.55	17.36												
10	256QAM	50	0	17.41	17.57	17.35												
Channel																		
Frequency (MHz)																		
5	QPSK	1	0	19.37	19.48	19.39	21	0										
5	QPSK	1	12	19.46	19.50	19.46												
5	QPSK	1	24	19.22	19.44	19.33												
5	QPSK	1	0	19.22	19.41	19.30												
5	QPSK	12	7	19.28	19.36	19.31												
5	QPSK	12	13	19.30	19.35	19.27	21	0										
5	QPSK	25	0	19.23	19.34	19.22												
5	15QAM	1	0	19.28	19.51	19.33												
5	15QAM	1	12	19.33	19.41	19.39	21	0										
5	15QAM	1	24	19.34	19.40	19.34												
5	15QAM	12	0	19.25	19.38	19.22												
5	15QAM	12	7	19.35	19.25	19.36												
5	15QAM	12	13	19.22	19.36	19.27												
5	15QAM	25	0	19.12	19.40	19.16	19	2										
5	15QAM	25	12	19.35	19.25	19.36												
5	15QAM	25	24	19.22	19.37	19.27												
5	15QAM	50	0	19.15	19.38	19.15												
5	15QAM	50	0	19.24	19.28	19.37												
5	15QAM	12	0	19.33	19.46	19.37	21	0										
5	15QAM	12	13	19.24	19.44	19.16												
5	15QAM	25	0	19.15	19.40	19.15												
5	15QAM	25	12	19.13	19.34	19.22												
5	15QAM	25	24	19.19	19.29	19.15												
5	15QAM	50	0	19.12	19.35	19.12	19	2										
5	256QAM	1	12	17.30	17.52	17.42												
5	256QAM	1	24	17.51	17.41	17.48												
5	256QAM	1	49	17.48	17.45	17.45												
5	256QAM	12	7	17.53	17.63	17.48												
5	256QAM	12	13	17.50	17.62	17.36	19	2										
5	256QAM	25	0	17.46	17.57	17.36												
Channel																		
Frequency (MHz)																		
3	QPSK	1	0	19.40	19.42	19.46			21	0								
3	QPSK	1	7	19.38	19.45	19.41												
3	QPSK	1	14	19.28	19.40	19.33												
3	QPSK	8	0	19.31	19.40	19.23												
3	QPSK	8	7	19.32	19.39	19.31												
3	QPSK	8	7	19.24	19.42	19.31	21	0										
3	QPSK	15	0	19.26	19.29	19.19												
3	QPSK	15	7	19.35	19.28	19.43												
3	15QAM	1	8	19.38	19.44	19.41												
3	15QAM	1	14	19.23	19.41	19.34												
3	15QAM	8	0	19.31	19.42	19.23	21	0										
3	15QAM	8	7	19.32	19.39	19.33												
3	15QAM	8	7	19.27	19.33	19.29												
3	15QAM	1	0	19.36	19.48	19.46												
3	15QAM	1	8	19.40	19.44	19.46												
3	15QAM	8	0	19.22	19.40	19.25	21	0										
3	15QAM	8	7	19.26	19.30	19.32												
3	15QAM	15	0	19.23	19.37	19.21												
3	15QAM	15	0	19.23	19.37	19.21												
3	15QAM	15	0	19.23	19.37	19.21												
3	256QAM	1	0	17.38	17.40	17.48	19	2										
3	256QAM	1	7	17.42	17.42	17.42												
3	256QAM	8	14	17.52	17.49	17.44												
3	256QAM	8	0	17.34	17.39	17.37												
3	256QAM	8	7	17.46	17.50	17.37												
3	256QAM	8	7	17.41	17.50	17.35	19	2										
3	256QAM	15	0	17.36	17.50	17.36												
Channel																		
Frequency (MHz)																		
1.4	QPSK	1	0	19.45	19.48	19.48			21	0								
1.4	QPSK	1	3	19.48	19.49	19.49												
1.4	QPSK	1	6	19.42	19.44	19.44												
1.4	QPSK	1	9	19.21	19.47	19.23												
1.4	QPSK	1	12	19.37	19.24	19.30												
1.4	QPSK	3	0	19.35	19.35	19.32	21	0										
1.4	QPSK	6	0	19.22	19.44	19.25												
1.4	15QAM	1	0	19.33	19.51	19.34												
1.4	15QAM	1	3	19.46	19.46	19.46												
1.4	15QAM	1	5	19.20	19.38	19.35												
1.4	15QAM	3	0	19.23	19.36	19.34	21	0										
1.4	15QAM	3	3	19.23	19.36	19.33												
1.4	15QAM	3	8	19.21	19.33	19.25												
1.4	15QAM	6	0	19.15	19.38	19.20												
1.4	15QAM	6	3	19.17	19.38	19.25												
1.4	15QAM	1	5	19.26	19.31	19.38	21	0										
1.4	15QAM	1	8	19.37	19.36	19.36												
1.4	15QAM	1	1	19.28	19.36	19.29												
1.4	15QAM	3	3	19.22	19.40	19.24												
1.4	15QAM	3	8	19.25	19.29	19.36												
1.4	15QAM	1	1	17.32	17.38	17.54	19	2										
1.4	15QAM	1	3	17.35	17.51	17.47												
1.4	15QAM	1	5	17.47	17.53	17.46												
1.4	15QAM	1	8	17.31	17.28	17.48												
1.4	15QAM	1</																

Band 38 Ant5 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.79	20.90	20.79			
20	QPSK	1	49	20.76	20.70	20.78	22	0	
20	QPSK	1	99	20.67	20.57	20.68			
20	QPSK	50	0	20.72	20.73	20.72	22	0	
20	QPSK	50	24	20.58	20.70	20.61			
20	QPSK	50	50	20.46	20.42	20.53	22	0	
20	QPSK	100	0	20.64	20.76	20.61			
20	16QAM	1	0	20.54	20.55	20.75	22	0	
20	16QAM	1	49	20.52	20.49	20.51			
20	16QAM	1	99	20.82	20.63	20.67	22	0	
20	16QAM	50	0	20.66	20.66	20.61			
20	16QAM	50	24	20.53	20.54	20.49	22	0	
20	16QAM	50	50	20.83	20.73	20.69			
20	16QAM	100	0	20.53	20.70	20.75	22	0	
20	64QAM	1	0	20.74	20.78	20.71			
20	64QAM	1	49	20.55	20.70	20.68	22	0	
20	64QAM	1	99	20.51	20.66	20.56			
20	64QAM	50	0	19.93	19.85	19.86	21	1	
20	64QAM	50	24	19.91	19.79	19.88			
20	64QAM	50	50	19.63	19.80	19.71	21	1	
20	64QAM	100	0	19.65	19.74	19.71			
20	256QAM	1	0	17.83	17.79	17.80	19	3	
20	256QAM	1	49	17.73	17.77	17.81			
20	256QAM	1	99	17.55	17.58	17.66	19	3	
20	256QAM	50	0	17.96	17.81	17.90			
20	256QAM	50	24	17.87	17.69	17.90	19	3	
20	256QAM	50	50	17.66	17.83	17.73			
20	256QAM	100	0	17.46	17.61	17.58			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.83	20.61	20.61			
15	QPSK	1	37	20.60	20.59	20.68	22	0	
15	QPSK	1	74	20.36	20.66	20.59			
15	QPSK	36	0	20.60	20.60	20.51	22	0	
15	QPSK	36	20	20.71	20.56	20.49			
15	QPSK	36	39	20.32	20.25	20.45	22	0	
15	QPSK	75	0	20.76	20.49	20.47			
15	16QAM	1	0	20.40	20.35	20.64	22	0	
15	16QAM	1	37	20.37	20.34	20.33			
15	16QAM	1	74	20.80	20.44	20.65	22	0	
15	16QAM	36	0	20.65	20.66	20.59			
15	16QAM	36	20	20.45	20.39	20.42	22	0	
15	16QAM	36	39	20.83	20.55	20.67			
15	16QAM	75	0	20.52	20.74	20.54	22	0	
15	64QAM	1	0	20.61	20.61	20.65			
15	64QAM	1	37	20.37	20.59	20.67	22	0	
15	64QAM	1	74	20.29	20.60	20.44			
15	64QAM	36	0	19.81	19.66	19.85	21	1	
15	64QAM	36	20	19.70	19.61	19.74			
15	64QAM	36	39	19.56	19.60	19.65	19	3	
15	64QAM	75	0	19.51	19.62	19.50			
15	256QAM	1	0	17.73	17.75	17.80	19	3	
15	256QAM	1	37	17.58	17.58	17.62			
15	256QAM	1	74	17.36	17.54	17.52	19	3	
15	256QAM	36	0	17.82	17.74	17.70			
15	256QAM	36	20	17.96	17.59	17.80	19	3	
15	256QAM	36	39	17.53	17.65	17.62			
15	256QAM	75	0	17.42	17.59	17.55			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.77	20.59	20.79			
10	QPSK	1	25	20.59	20.55	20.72	22	0	
10	QPSK	1	49	20.39	20.66	20.52			
10	QPSK	25	0	20.67	20.51	20.59	22	0	
10	QPSK	25	12	20.71	20.37	20.51			
10	QPSK	25	25	20.36	20.39	20.54	22	0	
10	QPSK	50	0	20.61	20.65	20.47			
10	16QAM	1	0	20.51	20.33	20.61	22	0	
10	16QAM	1	25	20.43	20.34	20.48			
10	16QAM	1	49	20.75	20.49	20.59	22	0	
10	16QAM	25	0	20.52	20.63	20.52			
10	16QAM	25	12	20.48	20.54	20.50	22	0	
10	16QAM	25	25	20.62	20.61	20.63			
10	16QAM	50	0	20.44	20.55	20.63	22	0	
10	64QAM	1	0	20.67	20.75	20.52			
10	64QAM	1	25	20.37	20.59	20.53	22	0	
10	64QAM	1	49	20.46	20.58	20.45			
10	64QAM	25	0	19.75	19.81	19.70	21	1	
10	64QAM	25	12	19.91	19.64	19.89			
10	64QAM	25	25	19.63	19.66	19.72	21	1	
10	64QAM	50	0	19.64	19.66	19.52			
10	256QAM	1	0	17.64	17.78	17.77	19	3	
10	256QAM	1	25	17.54	17.79	17.64			
10	256QAM	1	49	17.34	17.54	17.48	19	3	
10	256QAM	25	0	17.83	17.76	17.89			
10	256QAM	25	12	17.91	17.69	17.83	19	3	
10	256QAM	25	25	17.59	17.79	17.67			
10	256QAM	50	0	17.45	17.45	17.60			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.75	20.73	20.67			
5	QPSK	1	12	20.54	20.68	20.57	22	0	
5	QPSK	1	24	20.54	20.65	20.51			
5	QPSK	12	0	20.65	20.57	20.65	22	0	
5	QPSK	12	7	20.51	20.47	20.43			
5	QPSK	12	13	20.35	20.46	20.35	22	0	
5	QPSK	25	0	20.56	20.60	20.60			
5	16QAM	1	0	20.49	20.41	20.64	22	0	
5	16QAM	1	12	20.39	20.33	20.32			
5	16QAM	1	24	20.63	20.52	20.68	22	0	
5	16QAM	12	0	20.65	20.47	20.47			
5	16QAM	12	7	20.42	20.50	20.51	22	0	
5	16QAM	12	13	20.67	20.61	20.67			
5	16QAM	25	0	20.37	20.54	20.69	22	0	
5	64QAM	1	0	20.69	20.78	20.67			
5	64QAM	1	12	20.41	20.71	20.59	22	0	
5	64QAM	1	24	20.43	20.45	20.40			
5	64QAM	12	0	19.90	19.74	19.87	21	1	
5	64QAM	12	7	19.73	19.66	19.90			
5	64QAM	12	13	19.50	19.78	19.71	21	1	
5	64QAM	25	0	19.62	19.53	19.72			
5	256QAM	1	0	17.72	17.70	17.69	19	3	
5	256QAM	1	12	17.64	17.75	17.76			
5	256QAM	1	24	17.47	17.51	17.64	19	3	
5	256QAM	12	0	17.94	17.75	17.82			
5	256QAM	12	7	17.92	17.54	17.78	19	3	
5	256QAM	12	13	17.54	17.76	17.64			
5	256QAM	25	0	17.26	17.48	17.56			

Band 41 Ant5 DSI4											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel											
Frequency (MHz)											
				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	20.36	20.56	20.81	20.57	20.58	22	0	
20	QPSK	1	49	20.56	20.54	20.80	20.56	20.67			
20	QPSK	1	99	20.33	20.63	20.73	20.51	20.46			
20	QPSK	50	0	20.28	20.47	20.70	20.37	20.43			
20	QPSK	50	24	20.50	20.36	20.62	20.50	20.67	22	0	
20	QPSK	50	50	20.29	20.44	20.54	20.32	20.30			
20	QPSK	100	0	20.32	20.40	20.68	20.58	20.41			
20	16QAM	1	0	20.49	20.38	20.59	20.51	20.58			
20	16QAM	1	49	20.21	20.58	20.56	20.33	20.31	22	0	
20	16QAM	1	99	20.27	20.51	20.60	20.49	20.57			
20	16QAM	50	0	20.22	20.49	20.63	20.42	20.55			
20	16QAM	50	24	20.57	20.45	20.60	20.36	20.67			
20	16QAM	50	50	20.22	20.50	20.53	20.39	20.25	22	0	
20	16QAM	100	0	20.36	20.52	20.72	20.48	20.63			
20	64QAM	1	0	20.30	20.41	20.71	20.59	20.47			
20	64QAM	1	49	20.51	20.51	20.61	20.38	20.55			
20	64QAM	1	99	20.28	20.59	20.68	20.48	20.47	22	0	
20	64QAM	50	0	19.36	19.52	19.72	19.47	19.48			
20	64QAM	50	24	19.29	19.56	19.70	19.64	19.48			
20	64QAM	50	50	19.54	19.48	19.76	19.67	19.76			
20	64QAM	100	0	19.28	19.72	19.66	19.42	19.48	21	1	
20	256QAM	1	0	17.41	17.68	17.83	17.51	17.51			
20	256QAM	1	49	17.63	17.59	17.69	17.59	17.71			
20	256QAM	1	99	17.38	17.53	17.81	17.44	17.44			
20	256QAM	50	0	17.36	17.62	17.81	17.48	17.70	19	3	
20	256QAM	50	24	17.46	17.66	17.66	17.61	17.54			
20	256QAM	50	50	17.64	17.55	17.75	17.48	17.69			
20	256QAM	100	0	17.37	17.67	17.66	17.47	17.55			
Channel											
Frequency (MHz)											
				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
				2505.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	20.24	20.34	20.60	20.52	20.44	22.00	0	
15	QPSK	1	37	20.52	20.44	20.70	20.36	20.46			
15	QPSK	1	74	20.34	20.49	20.69	20.45	20.33			
15	QPSK	36	0	20.22	20.48	20.62	20.18	20.40			
15	QPSK	36	20	20.29	20.15	20.50	20.34	20.59	22	0	
15	QPSK	36	39	20.28	20.43	20.34	20.28	20.21			
15	QPSK	75	0	20.28	20.28	20.66	20.49	20.33			
15	16QAM	1	0	20.31	20.36	20.51	20.44	20.56			
15	16QAM	1	37	20.12	20.59	20.54	20.18	20.14	22	0	
15	16QAM	1	74	20.14	20.37	20.42	20.32	20.43			
15	16QAM	36	0	20.36	20.54	20.66	20.49	20.37			
15	16QAM	36	20	20.38	20.51	20.60	20.37	20.66			
15	16QAM	36	39	20.29	20.62	20.58	20.33	20.47	22	0	
15	16QAM	75	0	20.27	20.38	20.55	20.31	20.45			
15	64QAM	1	0	20.20	20.30	20.50	20.55	20.30			
15	64QAM	1	37	20.45	20.45	20.43	20.19	20.48			
15	64QAM	1	74	20.29	20.45	20.53	20.30	20.39	22	0	
15	64QAM	36	0	19.26	19.31	19.52	19.38	19.37			
15	64QAM	36	20	19.23	19.48	19.65	19.62	19.33			
15	64QAM	36	39	19.43	19.33	19.63	19.63	19.58			
15	64QAM	75	0	19.29	19.70	19.60	19.39	19.29	21	1	
15	256QAM	1	0	17.42	17.62	17.73	17.42	17.43			
15	256QAM	1	37	17.49	17.60	17.60	17.47	17.63			
15	256QAM	1	74	17.31	17.43	17.69	17.44	17.38			
15	256QAM	36	0	17.47	17.48	17.74	17.56	17.54	19	3	
15	256QAM	36	20	17.49	17.60	17.83	17.59	17.60			
15	256QAM	36	39	17.39	17.58	17.83	17.59	17.41			
15	256QAM	75	0	17.18	17.67	17.65	17.31	17.34			
Channel											
Frequency (MHz)											
				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
				2501	2547	2593	2639	2685			
10	QPSK	1	0	20.36	20.42	20.66	20.44	20.59	22.00	0	
10	QPSK	1	25	20.44	20.34	20.73	20.42	20.62			
10	QPSK	1	49	20.28	20.41	20.66	20.33	20.37			
10	QPSK	25	0	20.23	20.30	20.51	20.19	20.31			
10	QPSK	25	12	20.33	20.26	20.60	20.32	20.50	22	0	
10	QPSK	25	25	20.15	20.41	20.54	20.28	20.14			
10	QPSK	50	0	20.26	20.40	20.64	20.46	20.29			
10	16QAM	1	0	20.48	20.29	20.46	20.49	20.53			
10	16QAM	1	25	20.13	20.48	20.35	20.15	20.10	22	0	
10	16QAM	1	49	20.25	20.40	20.58	20.45	20.51			
10	16QAM	25	0	20.22	20.40	20.65	20.54	20.48			
10	16QAM	25	12	20.55	20.43	20.69	20.41	20.68			
10	16QAM	25	25	20.23	20.57	20.66	20.38	20.31	22	0	
10	16QAM	50	0	20.36	20.31	20.59	20.48	20.54			
10	64QAM	1	0	20.36	20.49	20.78	20.54	20.38			
10	64QAM	1	25	20.58	20.49	20.73	20.42	20.54			
10	64QAM	1	49	20.34	20.58	20.71	20.43	20.43	22	0	
10	64QAM	25	0	19.32	19.65	19.82	19.54	19.55			
10	64QAM	25	12	19.47	19.65	19.75	19.48	19.55			
10	64QAM	25	25	19.35	19.72	19.62	19.40	19.50			
10	64QAM	50	0	19.26	19.60	19.49	19.41	19.38	21	1	
10	256QAM	1	0	17.42	17.46	17.73	17.42	17.40			
10	256QAM	1	25	17.59	17.57	17.66	17.49	17.53			
10	256QAM	1	49	17.36	17.34	17.63	17.28	17.35			
10	256QAM	25	0	17.28	17.53	17.64	17.34	17.54	19	3	
10	256QAM	25	12	17.42	17.57	17.65	17.58	17.45			
10	256QAM	25	25	17.51	17.36	17.77	17.48	17.54			
10	256QAM	50	0	17.35	17.63	17.64	17.38	17.38			
Channel											
Frequency (MHz)											
				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
				2498.5	2545.8	2593	2640.3	2687.5			
5	QPSK	1	0	20.38	20.38	20.63	20.55	20.58	22.00	0	
5	QPSK	1	12	20.55	20.36	20.65	20.56	20.57			
5	QPSK	1	24	20.35	20.64	20.66	20.38	20.43			
5	QPSK	12	0	20.38	20.36	20.60	20.57	20.56			
5	QPSK	12	7	20.37	20.42	20.59	20.45	20.49	22	0	
5	QPSK	12	13	20.14	20.59	20.61	20.39	20.34			
5	QPSK	25	0	20.33	20.30	20.57	20.58	20.27			
5	16QAM	1	0	20.36	20.20	20.58	20.43	20.38			
5	16QAM	1	12	20.12	20.52	20.50	20.21	20.18	22	0	
5	16QAM	1	24	20.29	20.45	20.56	20.34	20.42			
5	16QAM	12	0	20.35	20.55	20.74	20.48	20.48			
5	16QAM	12	7	20.40	20.36	20.72	20.51	20.59			
5	16QAM	12	13	20.26	20.56	20.58	20.47	20.34	22	0	
5	16QAM	25	0	20.32	20.32	20.66	20.27	20.47			
5	64QAM	1	0	20.31	20.27	20.56	20.58	20.48			
5	64QAM	1	12	20.49	20.48	20.60	20.32	20.42			
5	64QAM	1	24	20.19	20.55	20.57	20.44	20.47	22	0	
5	64QAM	12	0	19.30	19.34	19.70	19.32	19.27			
5	64QAM	12	7	19.21	19.42	19.60	19.56	19.32			
5	64QAM	12	13	19.35	19.32	19.55	19.68	19.66			
5	64QAM	25	0	19.28	19.59	19.47	19.30	19.32	19	3	
5	256QAM	1	0	17.25	17.64	17.75	17.52	17.50			
5	256QAM	1	12	17.49	17.48	17.52	17.49	17.49			
5	256QAM	1	24	17.38	17.48	17.62	17.38	17.34			
5	256QAM	12	0	17.40	17.47	17.70	17.63	17.63	19	3	
5	256QAM	12	7	17.47	17.58	17.69	17.65	17.71			
5	256QAM	12	13	17.33	17.58	17.79	17.42	17.36			
5	256QAM	25	0	17.38	17.68	17.53	17.41	17.54			

Band 7 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.79	23.84	23.72	25	0	
20	QPSK	1	49	23.71	23.78	23.68			
20	QPSK	1	99	23.72	23.74	23.72			
20	QPSK	50	0	23.31	23.36	23.27	24	1	
20	QPSK	50	24	23.35	23.33	23.23			
20	QPSK	50	50	23.15	23.24	23.15			
20	QPSK	100	0	23.23	23.28	23.26	24	1	
20	16QAM	1	0	22.88	22.92	22.88			
20	16QAM	1	49	22.89	22.97	22.95			
20	16QAM	1	99	22.82	22.82	22.80	23	2	
20	16QAM	50	0	22.34	22.35	22.29			
20	16QAM	50	24	22.34	22.33	22.33			
20	16QAM	50	50	22.14	22.23	22.18	23	2	
20	16QAM	100	0	22.31	22.30	22.22			
20	64QAM	1	0	21.78	21.87	21.86	23	2	
20	64QAM	1	49	21.85	21.91	21.91			
20	64QAM	1	99	21.77	21.78	21.78			
20	64QAM	50	0	21.24	21.31	21.21	22	3	
20	64QAM	50	24	21.35	21.39	21.34			
20	64QAM	50	50	21.19	21.26	21.21			
20	64QAM	100	0	21.29	21.31	21.33	20	5	
20	256QAM	1	0	19.13	19.21	19.21			
20	256QAM	1	49	19.23	19.26	19.17			
20	256QAM	1	99	19.03	19.12	19.13	20	5	
20	256QAM	50	0	19.22	19.31	19.24			
20	256QAM	50	24	19.27	19.35	19.28			
20	256QAM	50	50	19.18	19.19	19.15	20	5	
20	256QAM	100	0	19.24	19.28	19.29			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.81	23.81	23.64	25	0	
15	QPSK	1	37	23.71	23.78	23.61			
15	QPSK	1	74	23.74	23.69	23.64			
15	QPSK	36	0	23.23	23.27	23.17	24	1	
15	QPSK	36	20	23.26	23.32	23.16			
15	QPSK	36	39	23.05	23.24	23.06			
15	QPSK	75	0	23.19	23.10	23.20	24	1	
15	16QAM	1	0	22.86	22.86	22.84			
15	16QAM	1	37	22.89	22.89	22.89			
15	16QAM	1	74	22.78	22.78	22.72	23	2	
15	16QAM	36	0	22.30	22.26	22.27			
15	16QAM	36	20	22.27	22.33	22.32			
15	16QAM	36	39	22.11	22.14	22.09	23	2	
15	16QAM	75	0	22.25	22.24	22.17			
15	64QAM	1	0	21.69	21.87	21.79	23	2	
15	64QAM	1	37	21.80	21.92	21.91			
15	64QAM	1	74	21.74	21.74	21.75			
15	64QAM	36	0	21.20	21.29	21.19	22	3	
15	64QAM	36	20	21.32	21.35	21.31			
15	64QAM	36	39	21.17	21.18	21.20			
15	64QAM	75	0	21.27	21.32	21.34	20	5	
15	256QAM	1	0	19.12	19.17	19.22			
15	256QAM	1	37	19.19	19.26	19.16			
15	256QAM	1	74	19.00	19.08	19.09	20	5	
15	256QAM	36	0	19.18	19.25	19.26			
15	256QAM	36	20	19.17	19.35	19.26			
15	256QAM	36	39	19.10	19.13	19.12	20	5	
15	256QAM	75	0	19.14	19.19	19.30			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.72	23.74	23.70	25	0	
10	QPSK	1	25	23.72	23.75	23.59			
10	QPSK	1	49	23.64	23.75	23.67			
10	QPSK	25	0	23.29	23.26	23.20	24	1	
10	QPSK	25	12	23.33	23.25	23.18			
10	QPSK	25	25	23.12	23.15	23.13			
10	QPSK	50	0	23.23	23.23	23.17	24	1	
10	16QAM	1	0	22.79	22.93	22.78			
10	16QAM	1	25	22.85	22.96	22.91			
10	16QAM	1	49	22.75	22.80	22.73	23	2	
10	16QAM	25	0	22.31	22.34	22.27			
10	16QAM	25	12	22.31	22.26	22.33			
10	16QAM	25	25	22.11	22.24	22.10	23	2	
10	16QAM	50	0	22.31	22.22	22.23			
10	64QAM	1	0	21.72	21.85	21.88	23	2	
10	64QAM	1	25	21.83	21.82	21.93			
10	64QAM	1	49	21.70	21.71	21.79			
10	64QAM	25	0	21.22	21.31	21.15	22	3	
10	64QAM	25	12	21.34	21.32	21.27			
10	64QAM	25	25	21.09	21.22	21.12			
10	64QAM	50	0	21.26	21.33	21.33	20	5	
10	256QAM	1	0	19.08	19.13	19.17			
10	256QAM	1	25	19.22	19.24	19.08			
10	256QAM	1	49	19.02	19.12	19.04	20	5	
10	256QAM	25	0	19.15	19.23	19.15			
10	256QAM	25	12	19.19	19.26	19.24			
10	256QAM	25	25	19.17	19.10	19.05	20	5	
10	256QAM	50	0	19.20	19.28	19.27			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.72	23.77	23.71	25	0	
5	QPSK	1	12	23.63	23.71	23.69			
5	QPSK	1	24	23.73	23.65	23.65			
5	QPSK	12	0	23.30	23.27	23.27	24	1	
5	QPSK	12	7	23.26	23.31	23.23			
5	QPSK	12	13	23.06	23.19	23.10			
5	QPSK	25	0	23.15	23.21	23.19	24	1	
5	16QAM	1	0	22.87	22.90	22.88			
5	16QAM	1	12	22.85	22.93	22.89			
5	16QAM	1	24	22.82	22.75	22.76	23	2	
5	16QAM	12	0	22.25	22.35	22.24			
5	16QAM	12	7	22.29	22.27	22.32			
5	16QAM	12	13	22.08	22.24	22.20	23	2	
5	16QAM	25	0	22.24	22.29	22.19			
5	64QAM	1	0	21.76	21.79	21.82	23	2	
5	64QAM	1	12	21.84	21.82	21.85			
5	64QAM	1	24	21.75	21.69	21.74			
5	64QAM	12	0	21.22	21.26	21.15	22	3	
5	64QAM	12	7	21.26	21.37	21.27			
5	64QAM	12	13	21.16	21.21	21.18			
5	64QAM	25	0	21.28	21.24	21.35	20	5	
5	256QAM	1	0	19.15	19.21	19.12			
5	256QAM	1	12	19.19	19.24	19.19			
5	256QAM	1	24	19.05	19.12	19.10	20	5	
5	256QAM	12	0	19.13	19.25	19.18			
5	256QAM	12	7	19.18	19.36	19.19			
5	256QAM	12	13	19.12	19.18	19.12	20	5	
5	256QAM	25	0	19.24	19.21	19.30			

Band 7 Ant2 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.07	22.19	22.08	24	0	
20	QPSK	1	49	22.08	22.10	22.05			
20	QPSK	1	99	22.06	22.06	22.01			
20	QPSK	50	0	21.43	21.49	21.46	23	1	
20	QPSK	50	24	21.44	21.41	21.39			
20	QPSK	50	50	21.38	21.42	21.35			
20	QPSK	100	0	21.41	21.46	21.35	23	1	
20	16QAM	1	0	21.06	21.08	21.09			
20	16QAM	1	49	21.05	21.01	21.02			
20	16QAM	1	99	21.00	21.00	21.09	22	2	
20	16QAM	50	0	20.35	20.39	20.30			
20	16QAM	50	24	20.43	20.45	20.34			
20	16QAM	50	50	20.24	20.32	20.30	22	2	
20	16QAM	100	0	20.31	20.41	20.35			
20	64QAM	1	0	20.01	20.04	20.04	22	2	
20	64QAM	1	49	20.02	20.04	20.02			
20	64QAM	1	99	20.04	20.01	20.02			
20	64QAM	50	0	19.35	19.38	19.27	21	3	
20	64QAM	50	24	19.33	19.42	19.40			
20	64QAM	50	50	19.28	19.28	19.21			
20	64QAM	100	0	19.30	19.36	19.26	19	5	
20	256QAM	1	0	17.21	17.28	17.25			
20	256QAM	1	49	17.28	17.34	17.29			
20	256QAM	1	99	17.14	17.26	17.24	19	5	
20	256QAM	50	0	17.33	17.40	17.33			
20	256QAM	50	24	17.38	17.44	17.39			
20	256QAM	50	50	17.26	17.29	17.26	20		
20	256QAM	100	0	17.22	17.31	17.24			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.06	22.13	22.07	24	0	
15	QPSK	1	37	22.06	22.12	22.03			
15	QPSK	1	74	22.10	22.14	22.05			
15	QPSK	36	0	21.34	21.44	21.38	23	1	
15	QPSK	36	20	21.35	21.31	21.37			
15	QPSK	36	39	21.30	21.42	21.28			
15	QPSK	75	0	21.38	21.39	21.28	23	1	
15	16QAM	1	0	21.16	21.25	21.17			
15	16QAM	1	37	21.15	21.17	21.16			
15	16QAM	1	74	21.16	21.13	21.09	22	2	
15	16QAM	36	0	20.26	20.34	20.23			
15	16QAM	36	20	20.39	20.37	20.29			
15	16QAM	36	39	20.15	20.30	20.21	22	2	
15	16QAM	75	0	20.27	20.30	20.27			
15	64QAM	1	0	20.03	20.09	20.02			
15	64QAM	1	37	20.15	20.17	20.08	21	3	
15	64QAM	1	74	20.04	20.05	20.09			
15	64QAM	36	0	19.34	19.32	19.19			
15	64QAM	36	20	19.29	19.38	19.37	19	5	
15	64QAM	36	39	19.25	19.24	19.12			
15	64QAM	75	0	19.28	19.34	19.22			
15	256QAM	1	0	17.18	17.24	17.25	19	5	
15	256QAM	1	37	17.25	17.33	17.26			
15	256QAM	1	74	17.07	17.16	17.14			
15	256QAM	36	0	17.30	17.28	17.21	19	5	
15	256QAM	36	20	17.36	17.38	17.29			
15	256QAM	36	39	17.16	17.26	17.23			
15	256QAM	75	0	17.15	17.21	17.19	20		
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.08	22.13	22.14		24	
10	QPSK	1	25	22.02	22.11	22.14			
10	QPSK	1	49	22.13	22.13	22.06			
10	QPSK	25	0	21.34	21.46	21.41	23	1	
10	QPSK	25	12	21.39	21.41	21.30			
10	QPSK	25	25	21.36	21.37	21.33			
10	QPSK	50	0	21.39	21.35	21.34	23	1	
10	16QAM	1	0	21.25	21.19	21.12			
10	16QAM	1	25	21.21	21.20	21.19			
10	16QAM	1	49	21.19	21.20	21.18	22	2	
10	16QAM	25	0	20.33	20.30	20.24			
10	16QAM	25	12	20.41	20.34	20.25			
10	16QAM	25	25	20.21	20.27	20.27	22	2	
10	16QAM	50	0	20.27	20.35	20.31			
10	64QAM	1	0	20.05	20.03	20.11			
10	64QAM	1	25	20.13	20.22	20.08	21	3	
10	64QAM	1	49	20.06	20.15	20.08			
10	64QAM	25	0	19.27	19.36	19.23			
10	64QAM	25	12	19.27	19.39	19.38	19	5	
10	64QAM	25	25	19.22	19.27	19.19			
10	64QAM	50	0	19.19	19.32	19.24			
10	256QAM	1	0	17.10	17.17	17.20	19	5	
10	256QAM	1	25	17.21	17.25	17.23			
10	256QAM	1	49	17.14	17.24	17.17			
10	256QAM	25	0	17.32	17.40	17.26	19	5	
10	256QAM	25	12	17.29	17.35	17.32			
10	256QAM	25	25	17.16	17.20	17.14			
10	256QAM	50	0	17.15	17.31	17.16	20		
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.12	22.14	22.17		24	
5	QPSK	1	12	22.04	22.13	22.05			
5	QPSK	1	24	22.10	22.11	22.03			
5	QPSK	12	0	21.40	21.40	21.43	23	1	
5	QPSK	12	7	21.34	21.34	21.35			
5	QPSK	12	13	21.29	21.42	21.26			
5	QPSK	25	0	21.39	21.43	21.29	23	1	
5	16QAM	1	0	21.14	21.21	21.18			
5	16QAM	1	12	21.20	21.13	21.20			
5	16QAM	1	24	21.14	21.18	21.12	22	2	
5	16QAM	12	0	20.28	20.29	20.24			
5	16QAM	12	7	20.35	20.44	20.28			
5	16QAM	12	13	20.21	20.31	20.24	21	3	
5	16QAM	25	0	20.25	20.30	20.27			
5	64QAM	1	0	20.05	20.12	20.03			
5	64QAM	1	12	20.20	20.13	20.12	22	2	
5	64QAM	1	24	20.02	20.09	20.02			
5	64QAM	12	0	19.27	19.31	19.15			
5	64QAM	12	7	19.28	19.34	19.32	19	5	
5	64QAM	12	13	19.22	19.28	19.14			
5	64QAM	25	0	19.21	19.36	19.24			
5	256QAM	1	0	17.12	17.27	17.18	19	5	
5	256QAM	1	12	17.20	17.30	17.26			
5	256QAM	1	24	17.05	17.20	17.13			
5	256QAM	12	0	17.26	17.32	17.22	19	5	
5	256QAM	12	7	17.31	17.40	17.31			
5	256QAM	12	13	17.21	17.26	17.25			
5	256QAM	25	0	17.21	17.26	17.19			

Band 7 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.89	23.93	23.78	25.5	0	
20	QPSK	1	49	23.82	23.91	23.72			
20	QPSK	1	99	23.75	23.85	23.79			
20	QPSK	50	0	23.43	23.44	23.34	24.5	1	
20	QPSK	50	24	23.28	23.39	23.32			
20	QPSK	50	50	23.20	23.24	23.13			
20	QPSK	100	0	23.35	23.37	23.33	24.5	1	
20	16QAM	1	0	22.86	22.98	22.92			
20	16QAM	1	49	22.83	22.89	22.85			
20	16QAM	1	99	22.91	22.92	22.86	23.5	2	
20	16QAM	50	0	22.36	22.44	22.37			
20	16QAM	50	24	22.36	22.40	22.35			
20	16QAM	50	50	22.22	22.33	22.31	23.5	2	
20	16QAM	100	0	22.44	22.46	22.45			
20	64QAM	1	0	21.90	21.93	21.86	22.5	3	
20	64QAM	1	49	21.86	21.87	21.78			
20	64QAM	1	99	21.77	21.82	21.82			
20	64QAM	50	0	21.31	21.42	21.41	20.5	5	
20	64QAM	50	24	21.31	21.32	21.31			
20	64QAM	50	50	21.33	21.38	21.33			
20	64QAM	100	0	21.40	21.40	21.33	20.5	5	
20	256QAM	1	0	19.26	19.26	19.19			
20	256QAM	1	49	19.08	19.17	19.10			
20	256QAM	1	99	19.26	19.32	19.21	20.5	5	
20	256QAM	50	0	19.38	19.38	19.31			
20	256QAM	50	24	19.15	19.24	19.21			
20	256QAM	50	50	19.29	19.35	19.30	20.5	5	
20	256QAM	100	0	19.18	19.29	19.13			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.87	23.91	23.67	25.5	0	
15	QPSK	1	37	23.70	23.85	23.65			
15	QPSK	1	74	23.74	23.79	23.77			
15	QPSK	36	0	23.41	23.32	23.31	24.5	1	
15	QPSK	36	20	23.25	23.36	23.24			
15	QPSK	36	39	23.18	23.12	23.13			
15	QPSK	75	0	23.25	23.35	23.32	24.5	1	
15	16QAM	1	0	22.79	22.94	22.90			
15	16QAM	1	37	22.79	22.86	22.73			
15	16QAM	1	74	22.87	22.86	22.86	23.5	2	
15	16QAM	36	0	22.34	22.36	22.26			
15	16QAM	36	20	22.28	22.38	22.33			
15	16QAM	36	39	22.21	22.27	22.29	23.5	2	
15	16QAM	75	0	22.41	22.38	22.41			
15	64QAM	1	0	21.88	21.86	21.75			
15	64QAM	1	37	21.76	21.79	21.70	22.5	3	
15	64QAM	1	74	21.73	21.77	21.80			
15	64QAM	36	0	21.21	21.41	21.38			
15	64QAM	36	20	21.28	21.25	21.21	20.5	5	
15	64QAM	36	39	21.25	21.30	21.28			
15	64QAM	75	0	21.33	21.38	21.30			
15	256QAM	1	0	19.16	19.19	19.14	20.5	5	
15	256QAM	1	37	18.96	19.15	19.10			
15	256QAM	1	74	19.25	19.28	19.09			
15	256QAM	36	0	19.32	19.34	19.27	20.5	5	
15	256QAM	36	20	19.11	19.19	19.10			
15	256QAM	36	39	19.20	19.24	19.21			
15	256QAM	75	0	19.06	19.18	19.03			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.79	23.84	23.73		25.5	
10	QPSK	1	25	23.73	23.82	23.64			
10	QPSK	1	49	23.68	23.81	23.67	24.5	1	
10	QPSK	25	0	23.40	23.40	23.32			
10	QPSK	25	12	23.23	23.36	23.21			
10	QPSK	25	25	23.08	23.18	23.07	24.5	1	
10	QPSK	50	0	23.35	23.33	23.29			
10	16QAM	1	0	22.76	22.97	22.90			
10	16QAM	1	25	22.75	22.81	22.75	23.5	2	
10	16QAM	1	49	22.81	22.91	22.78			
10	16QAM	25	0	22.29	22.35	22.31			
10	16QAM	25	12	22.24	22.30	22.25	23.5	2	
10	16QAM	25	25	22.12	22.26	22.29			
10	16QAM	50	0	22.39	22.42	22.36			
10	64QAM	1	0	21.89	21.92	21.78	22.5	3	
10	64QAM	1	25	21.83	21.77	21.72			
10	64QAM	1	49	21.69	21.73	21.61			
10	64QAM	25	0	21.26	21.35	21.40	20.5	5	
10	64QAM	25	12	21.28	21.23	21.22			
10	64QAM	25	25	21.22	21.33	21.22			
10	64QAM	50	0	21.38	21.33	21.29	20.5	5	
10	256QAM	1	0	19.26	19.14	19.13			
10	256QAM	1	25	18.98	19.12	19.07			
10	256QAM	1	49	19.21	19.22	19.17	20.5	5	
10	256QAM	25	0	19.36	19.31	19.24			
10	256QAM	25	12	19.12	19.23	19.19			
10	256QAM	25	25	19.28	19.23	19.28	20.5	5	
10	256QAM	50	0	19.08	19.19	19.09			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.82	23.82	23.73	25.5	0	
5	QPSK	1	12	23.70	23.90	23.60			
5	QPSK	1	24	23.74	23.75	23.71			
5	QPSK	12	0	23.31	23.41	23.25	24.5	1	
5	QPSK	12	7	23.23	23.37	23.24			
5	QPSK	12	13	23.10	23.14	23.06			
5	QPSK	25	0	23.24	23.30	23.28	24.5	1	
5	16QAM	1	0	22.82	22.95	22.90			
5	16QAM	1	12	22.72	22.87	22.84			
5	16QAM	1	24	22.90	22.82	22.76	23.5	2	
5	16QAM	12	0	22.32	22.38	22.26			
5	16QAM	12	7	22.25	22.39	22.33			
5	16QAM	12	13	22.14	22.22	22.20	23.5	2	
5	16QAM	25	0	22.37	22.44	22.39			
5	64QAM	1	0	21.83	21.93	21.83	22.5	3	
5	64QAM	1	12	21.78	21.80	21.77			
5	64QAM	1	24	21.68	21.80	21.79			
5	64QAM	12	0	21.26	21.39	21.34	20.5	5	
5	64QAM	12	7	21.20	21.25	21.31			
5	64QAM	12	13	21.31	21.36	21.30			
5	64QAM	25	0	21.35	21.35	21.31	20.5	5	
5	256QAM	1	0	19.26	19.22	19.09			
5	256QAM	1	12	19.08	19.06	19.02			
5	256QAM	1	24	19.22	19.32	19.13	20.5	5	
5	256QAM	12	0	19.28	19.29	19.19			
5	256QAM	12	7	19.04	19.15	19.10			
5	256QAM	12	13	19.21	19.30	19.27			
5	256QAM	25	0	19.10	19.20	19.03			

Band 7 Ant2 DSI0									
BW [MHz]	Modulation	RB Size	RB Offset	F _{max} Low Ch. /	F _{max} Middle Ch. /	F _{max} High Ch. /	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	19	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.17	17.31	17.01	19	0	
20	QPSK	1	49	17.03	17.04	17.11			
20	QPSK	1	99	17.05	17.15	17.09			
20	QPSK	50	0	17.12	17.30	17.01			
20	QPSK	50	24	17.19	17.16	17.11			
20	QPSK	50	50	17.16	17.13	17.17			
20	QPSK	100	0	17.14	17.29	17.01	19	0	
20	16QAM	1	0	17.28	17.22	17.03			
20	16QAM	1	49	17.26	17.15	17.02			
20	16QAM	1	99	17.11	17.15	17.00			
20	16QAM	50	0	17.01	17.25	17.09			
20	16QAM	50	24	17.08	17.10	17.23			
20	16QAM	50	50	17.10	17.22	17.11	19	0	
20	16QAM	100	0	17.03	17.28	17.10			
20	64QAM	1	0	17.15	17.00	17.26			
20	64QAM	1	49	17.22	17.07	17.12			
20	64QAM	1	99	17.17	17.00	17.22			
20	64QAM	50	0	17.02	17.13	17.07			
20	64QAM	50	24	17.05	17.17	17.12	19	0	
20	64QAM	50	50	17.01	17.06	17.08			
20	64QAM	100	0	17.29	17.07	17.09			
20	256QAM	1	0	17.07	17.11	17.06			
20	256QAM	1	49	17.18	17.29	17.05			
20	256QAM	1	99	17.05	17.10	17.00			
20	256QAM	50	0	17.19	17.12	17.08	19	0	
20	256QAM	50	24	17.08	17.09	17.29			
20	256QAM	50	50	17.18	17.10	17.12			
20	256QAM	100	0	17.25	17.21	17.11			
Channel				20825	21100	21375	19	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	17.03	17.24	17.16	19	0	
15	QPSK	1	37	17.30	17.08	17.05			
15	QPSK	1	74	17.01	17.09	17.08			
15	QPSK	36	0	17.00	17.07	17.13			
15	QPSK	36	20	17.16	17.13	17.12			
15	QPSK	36	39	17.09	17.09	17.00			
15	QPSK	75	0	17.13	17.18	17.15	19	0	
15	16QAM	1	0	17.19	17.17	17.29			
15	16QAM	1	37	17.14	17.08	17.21			
15	16QAM	1	74	17.05	17.08	17.27			
15	16QAM	36	0	17.22	17.25	17.29			
15	16QAM	36	20	17.03	17.06	17.20			
15	16QAM	36	39	17.14	17.15	17.08	19	0	
15	16QAM	75	0	17.13	17.23	17.10			
15	64QAM	1	0	17.14	17.21	17.26			
15	64QAM	1	37	17.05	17.08	17.00			
15	64QAM	1	74	17.17	17.13	17.06			
15	64QAM	36	0	17.18	17.03	17.07			
15	64QAM	36	20	17.05	17.11	17.11	19	0	
15	64QAM	36	39	17.16	17.14	17.09			
15	64QAM	75	0	17.21	17.08	17.18			
15	256QAM	1	0	17.05	17.12	17.22			
15	256QAM	1	37	17.20	17.12	17.29			
15	256QAM	1	74	17.04	17.18	17.00			
15	256QAM	36	0	17.03	17.09	17.12	19	0	
15	256QAM	36	20	17.01	17.10	17.13			
15	256QAM	36	39	17.19	17.03	17.00			
15	256QAM	75	0	17.15	17.00	17.05			
Channel				20800	21100	21400	19	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	17.17	17.15	17.25	19	0	
10	QPSK	1	25	17.00	17.16	17.17			
10	QPSK	1	49	17.26	17.13	17.08			
10	QPSK	25	0	17.08	17.16	17.16			
10	QPSK	25	12	17.08	17.10	17.08			
10	QPSK	25	25	17.22	17.14	17.05			
10	QPSK	50	0	17.18	17.11	17.21	19	0	
10	16QAM	1	0	17.10	17.21	17.06			
10	16QAM	1	25	17.07	17.07	17.01			
10	16QAM	1	49	17.11	17.08	17.20			
10	16QAM	25	0	17.06	17.07	17.29			
10	16QAM	25	12	17.01	17.25	17.01			
10	16QAM	25	25	17.08	17.14	17.29	19	0	
10	16QAM	50	0	17.11	17.13	17.16			
10	64QAM	1	0	17.06	17.26	17.15			
10	64QAM	1	25	17.24	17.02	17.10			
10	64QAM	1	49	17.07	17.25	17.04			
10	64QAM	25	0	17.02	17.03	17.08			
10	64QAM	25	12	17.07	17.12	17.03	19	0	
10	64QAM	25	25	17.11	17.05	17.10			
10	64QAM	50	0	17.24	17.22	17.01			
10	256QAM	1	0	17.08	17.09	17.26			
10	256QAM	1	25	17.10	17.14	17.28			
10	256QAM	1	49	17.29	17.04	17.25			
10	256QAM	25	0	17.16	17.13	17.07	19	0	
10	256QAM	25	12	17.09	17.01	17.15			
10	256QAM	25	25	17.17	17.19	17.13			
10	256QAM	50	0	17.25	17.05	17.07			
Channel				20775	21100	21425	19	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	17.16	17.26	17.21	19	0	
5	QPSK	1	12	17.09	17.19	17.09			
5	QPSK	1	24	17.01	17.09	17.11			
5	QPSK	12	0	17.16	17.01	17.09			
5	QPSK	12	7	17.05	17.11	17.21			
5	QPSK	12	13	17.09	17.07	17.04			
5	QPSK	25	0	17.09	17.23	17.29	19	0	
5	16QAM	1	0	17.09	17.23	17.00			
5	16QAM	1	12	17.10	17.23	17.14			
5	16QAM	1	24	17.23	17.11	17.17			
5	16QAM	12	0	17.21	17.26	17.22			
5	16QAM	12	7	17.03	17.02	17.08			
5	16QAM	12	13	17.00	17.15	17.13	19	0	
5	16QAM	25	0	17.16	17.06	17.29			
5	64QAM	1	0	17.01	17.29	17.10			
5	64QAM	1	12	17.17	17.05	17.02			
5	64QAM	1	24	17.02	17.02	17.22			
5	64QAM	12	0	17.28	17.08	17.16			
5	64QAM	12	7	17.26	17.18	17.08	19	0	
5	64QAM	12	13	17.03	17.05	17.21			
5	64QAM	25	0	17.26	17.06	17.01			
5	256QAM	1	0	17.21	17.15	17.15			
5	256QAM	1	12	17.17	17.09	17.27			
5	256QAM	1	24	17.01	17.11	17.10			
5	256QAM	12	0	17.01	17.07	17.06	19	0	
5	256QAM	12	7	17.13	17.10	17.18			
5	256QAM	12	13	17.06	17.09	17.22			
5	256QAM	25	0	17.12	17.17	17.07			



Uplink CA Power

Ant 0 Full Power			DS10&3						
CA 7c									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	0	0	1	99	24.02	25.00	
21100	21298	QPSK	1	0	1	99	24.16	25.00	
21350	21152	QPSK	1	0	1	99	23.95	25.00	

Ant 0 Full Power		DS10&3							
CA 38C									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	0	0	1	99	23.83	25.00	
38000	38198	QPSK	1	0	1	99	24.03	25.00	
38150	37952	QPSK	1	0	1	99	23.75	25.00	

Ant 0 Full Power		DS10&3							
CA 4A 7A									
Combination 20MHz+20MHz (1RB+99RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20050	20850	QPSK	0	0	1	0	23.53	25.00	
20175	21100	QPSK	0	0	1	24	23.62	25.00	
20300	21350	QPSK	0	0	1	24	23.45	25.00	

Ant 1 Full Power		DS13							
CA 7c									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	0	0	1	99	22.36	24.00	
21100	21298	QPSK	1	0	1	99	22.49	24.00	
21350	21152	QPSK	1	0	1	99	22.47	24.00	

Ant 1 Full Power		DS10&1&3&4							
CA 38C									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	0	0	1	99	22.76	24.00	
38000	38198	QPSK	1	0	1	99	22.77	24.00	
38150	38348	QPSK	1	0	1	99	22.67	24.00	

Ant 1 Full Power			DS13							
CA 4A 7A										
Combination 20MHz+20MHz (1RB+99RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset				
20050	20850	QPSK	0	0	1	24	22.67	24.50		
20175	21100	QPSK	0	0	1	24	22.72	24.50		
20300	21350	QPSK	0	0	1	24	22.64	24.50		

Ant 2 Full Power		DS13							
CA 7c									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	0	0	1	99	22.46	24.00	
21100	21298	QPSK	1	0	1	99	22.77	24.00	
21350	21152	QPSK	1	0	1	99	22.56	24.00	

Ant 2 Full Power		DS13							
CA 38C									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	0	0	1	99	23.40	24.50	
38000	38198	QPSK	1	0	1	99	23.48	24.50	
38150	37952	QPSK	1	0	1	99	23.44	24.50	

Ant 2 Full Power		DS13							
CA 4A 7A									
Combination 20MHz+20MHz (1RB+99RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20050	20850	QPSK	0	0	1	24	23.40	25.00	
20175	21100	QPSK	0	0	1	24	23.52	25.00	
20300	21350	QPSK	0	0	1	24	23.46	25.00	

Ant 5 Full Power		DS10							
CA 7c									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	0	0	1	99	22.33	23.50	
21100	21298	QPSK	1	0	1	99	22.43	23.50	
21350	21152	QPSK	1	0	1	99	22.39	23.50	

Ant 5 Full Power		DS10							
CA 38C									
Combination 20MHz+20MHz (1RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
37850	38048	QPSK	0	0	1	99	22.60	24.00	
38000	38198	QPSK	1	0	1	99	22.78	24.00	
38150	37952	QPSK	1	0	1	99	22.76	24.00	

Ant 5 Full Power		DS10							
CA 4A 7A									
Combination 20MHz+20MHz (1RB+99RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20050	20850	QPSK	0	0	1	24	22.52	24.00	
20175	21100	QPSK	0	0	1	24	22.58	24.00	
20300	21350	QPSK	0	0	1	24	22.54	24.00	



Ant 0 Down Power DSI4

CA 7c							
Combination 20MHz+20MHz (1RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	0	0	1	99	20.08
21100	21298	QPSK	1	0	1	99	20.14
21350	21152	QPSK	1	0	1	99	19.94
20850	21048	QPSK	50	0	1	49	19.83
21100	21298	QPSK	50	0	1	49	19.95
21350	21152	QPSK	50	0	1	49	19.96

Ant 1 Down Power DSI0

CA 7c							
Combination 20MHz+20MHz (1RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	0	0	1	99	18.26
21100	21298	QPSK	1	0	1	99	18.43
21350	21152	QPSK	1	0	1	99	18.39

Ant 1 Down Power DSI4

CA 7c							
Combination 20MHz+20MHz (1RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	0	0	1	99	17.40
21100	21298	QPSK	1	0	1	99	17.50
21350	21152	QPSK	1	0	1	99	17.38
20850	21048	QPSK	50	0	1	49	17.28
21100	21298	QPSK	50	0	1	49	17.47
21350	21152	QPSK	50	0	1	49	17.43

Ant 2 Down Power DSI0&4

CA 7c							
Combination 20MHz+20MHz (1RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	0	0	1	99	17.55
21100	21298	QPSK	1	0	1	99	17.77
21350	21152	QPSK	1	0	1	99	17.63
20850	21048	QPSK	50	0	1	49	17.56
21100	21298	QPSK	50	0	1	49	17.77
21350	21152	QPSK	50	0	1	49	17.59

Ant 5 Down Power DSI3

CA 7c							
Combination 20MHz+20MHz (1RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	0	0	1	99	19.21
21100	21298	QPSK	1	0	1	99	19.61
21350	21152	QPSK	1	0	1	99	19.37

Ant 5 Down Power DSI4

CA 7c							
Combination 20MHz+20MHz (1RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	0	0	1	99	18.27
21100	21298	QPSK	1	0	1	99	18.40
21350	21152	QPSK	1	0	1	99	18.19
20850	21048	QPSK	50	0	1	49	18.31
21100	21298	QPSK	50	0	1	49	18.31
21350	21152	QPSK	50	0	1	49	18.19

Ant 0 Down Power DSI4

CA 38C							
Combination 20MHz+20MHz (1RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	0	0	1	99	21.99
38000	38198	QPSK	1	0	1	99	22.05
38150	37952	QPSK	1	0	1	99	21.93
37850	38048	QPSK	50	0	1	49	21.83
38000	38198	QPSK	50	0	1	49	21.96
38150	37952	QPSK	50	0	1	49	21.80

Ant 2 Down Power DSI0

CA 38C							
Combination 20MHz+20MHz (1RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	0	0	1	99	20.24
38000	38198	QPSK	1	0	1	99	20.36
38150	38348	QPSK	1	0	1	99	20.30
37850	38048	QPSK	50	0	1	49	20.18
38000	38198	QPSK	50	0	1	49	20.20
38150	38348	QPSK	50	0	1	49	20.21

Ant 2 Down Power DSI4

CA 38C							
Combination 20MHz+20MHz (1RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	0	0	1	99	19.16
38000	38198	QPSK	1	0	1	99	19.35
38150	38348	QPSK	1	0	1	99	19.26
37850	38048	QPSK	50	0	1	49	19.11
38000	38198	QPSK	50	0	1	49	19.26
38150	38348	QPSK	50	0	1	49	19.18

Ant 5 Down Power DSI3&4

CA 38C							
Combination 20MHz+20MHz (1RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	0	0	1	99	20.63
38000	38198	QPSK	1	0	1	99	20.85
38150	37952	QPSK	1	0	1	99	20.65
37850	38048	QPSK	50	0	1	49	20.66
38000	38198	QPSK	50	0	1	49	20.61
38150	37952	QPSK	50	0	1	49	20.54

Ant 0 Down Power DSI4

CA 4A 7A							
Combination 20MHz+20MHz (1RB+99RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20050	20850	QPSK	0	0	1	24	18.53
20175	21100	QPSK	0	0	1	24	18.69
20300	21350	QPSK	0	0	1	24	18.57

Ant 1 Down Power DSI0&4

CA 4A 7A							
Combination 20MHz+20MHz (1RB+99RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20050	20850	QPSK	0	0	1	24	16.61
20175	21100	QPSK	0	0	1	24	16.90
20300	21350	QPSK	0	0	1	24	16.80

Ant 2 Down Power DSI0

CA 4A 7A							
Combination 20MHz+20MHz (1RB+99RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20050	20850	QPSK	0	0	1	24	20.42
20175	21100	QPSK	0	0	1	24	20.57
20300	21350	QPSK	0	0	1	24	20.40

Ant 2 Down Power DSI4

CA 4A 7A							
Combination 20MHz+20MHz (1RB+99RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20050	20850	QPSK	0	0	1	24	19.53
20175	21100	QPSK	0	0	1	24	19.72
20300	21350	QPSK	0	0	1	24	19.60

Ant 5 Down Power DSI3&4

CA 4A 7A							
Combination 20MHz+20MHz (1RB+99RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20050	20850	QPSK	0	0	1	24	19.29
20175	21100	QPSK	0	0	1	24	19.52
20300	21350	QPSK	0	0	1	24	19.47

Downlink CA Power

2CA DL

Configure	PCC									SCC					Power	
	LTE	Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA	Without CA
	Band									Band					Tx. Power (dBm)	Tx. Power (dBm)
CA_2C	Band 2	Ant0	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		24.01	24.05
	Band 2	Ant2	20M	1880	18900	QPSK	1	0		Band 2	20M	1979.8	1098		23.38	23.58
CA_5A_41A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	24.50	24.54
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	24.09	24.22
	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		24.02	24.19
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.80	22.94
	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.88	22.96
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.67	22.79
CA_7A-38A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 38	20M	2595	38000	4x4MIMO	23.96	24.15
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 38	20M	2595	38000	4x4MIMO	22.49	22.66
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 38	20M	2595	38000	4x4MIMO	22.74	22.78
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 38	20M	2595	38000	4x4MIMO	22.41	22.54
	Band 38	Ant0	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.99	24.08
	Band 38	Ant1	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.82	22.94
	Band 38	Ant2	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.49	23.57
	Band 38	Ant5	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.75	22.86
	Band 38	Ant0	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 38	20M	2614.8	38198	4x4MIMO	24.06	24.08
	Band 38	Ant1	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 38	20M	2614.8	38198	4x4MIMO	22.89	22.94
CA_38C	Band 38	Ant2	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 38	20M	2614.8	38198	4x4MIMO	23.37	23.57
	Band 38	Ant5	20M	2595	38000	QPSK	1	0	4x4MIMO	Band 38	20M	2614.8	38198	4x4MIMO	22.78	22.86
CA_41C	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	24.03	24.19
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	22.86	22.94
	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	22.75	22.96
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	22.60	22.78
CA_41A-41A	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	24.10	24.19
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	22.76	22.94
	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	22.82	22.96
	Band 41	Ant5	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	22.74	22.79

3CA DL

Configure	PCC										SCC1					SCC2					Power	
	LTE Band	Ant	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	Band	BW	DL	DL	DL Antenna Configuration	Band	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
				Freq. (MHz)	Channel			RB				RB Offset	Freq. (MHz)				Channel	Freq. (MHz)		Channel	Tx. Power	Tx. Power
																					(dBm)	(dBm)
CA_2A-4A-5A	Band 2	Ant0	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		23.96	24.05	
	Band 2	Ant2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525		23.53	23.58	
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900		23.66	23.76	
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900		22.88	22.9	
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900		23.6	23.65	
	Band 4	Ant5	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 2	20M	1960	900		22.53	22.64	
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MIMO	24.48	24.54	
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MIMO	24.14	24.22	
CA_2A_4A_7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.84	24.05	
	Band 2	Ant2	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.4	23.58	
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 7	20M	2655	3100	4x4MIMO	23.65	23.76	
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 7	20M	2655	3100	4x4MIMO	22.75	22.9	
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 7	20M	2655	3100	4x4MIMO	23.58	23.65	
	Band 4	Ant5	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 7	20M	2655	3100	4x4MIMO	22.45	22.64	
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MIMO	24.17	24.15	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MIMO	22.51	22.66	
CA_2A-7A-7A	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MIMO	22.65	22.78	
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		Band 4	20M	2132.5	2175	4x4MIMO	22.51	22.54	
	Band 2	Ant0	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.88	24.05	
	Band 2	Ant2	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.53	23.58	
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900		24.1	24.15	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900		22.48	22.66	
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900		22.72	22.78	
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900		22.34	22.54	
CA_2A_7C	Band 2	Ant0	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.92	24.05	
	Band 2	Ant2	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.58	23.58	
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 2	20M	1960	900		23.98	24.15	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 2	20M	1960	900		22.55	22.66	
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 2	20M	1960	900		22.62	22.78	
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 2	20M	1960	900		22.4	22.54	
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.68	23.76	
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	22.71	22.9	
CA_4A-7C	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.55	23.65	
	Band 4	Ant5	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	22.5	22.64	
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	24.15	24.15	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.58	22.66	
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.74	22.78	
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.33	22.54	
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	24.49	24.54	
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	24.06	24.22	
CA_5A_7C	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 5	10M	881.5	2525		24.02	24.15	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 5	10M	881.5	2525		22.57	22.66	
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 5	10M	881.5	2525		22.75	22.78	
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 5	10M	881.5	2525		22.5	22.54	
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	24.48	24.54	
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	24.04	24.22	
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		24.09	24.15	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		22.48	22.66	
CA_5A-7A-7A	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		22.8	22.78	
	Band 7	Ant5	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		22.35	22.54	

Full Power Mode_Main PA

DFT-15

n5 Ant0 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	25.5
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	24.61	24.62	24.61	0.0
20	PI/2 BPSK	1	53	24.49	24.54	24.36	
20	PI/2 BPSK	1	104	24.40	24.56	24.53	0.5
20	PI/2 BPSK	50	0	23.86	23.95	23.94	
20	PI/2 BPSK	50	28	24.52	24.63	24.52	0.0
20	PI/2 BPSK	50	56	24.11	24.05	23.95	
20	PI/2 BPSK	100	0	23.90	24.07	24.02	0.5
20	QPSK	1	1	24.64	24.75	24.62	
20	QPSK	1	53	24.71	24.67	24.53	0.0
20	QPSK	1	104	24.67	24.69	24.62	
20	QPSK	50	0	23.63	23.74	23.72	1.0
20	QPSK	50	28	24.67	24.69	24.62	
20	QPSK	50	56	23.50	23.60	23.49	1.0
20	QPSK	100	0	23.52	23.58	23.45	
20	16QAM	1	1	23.41	23.46	23.34	1.0
20	64QAM	1	1	22.05	22.11	21.97	
20	256QAM	1	1	20.31	20.35	20.24	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	24.58	24.68	24.62	25.5
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	24.59	24.67	24.63	25.5
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	1	24.64	24.68	24.57	25.5

n7 Ant0 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	24.5
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	22.81	22.95	22.95	0.0
50	PI/2 BPSK	1	135	22.74	22.76	22.83	
50	PI/2 BPSK	1	268	22.05	22.02	22.05	0.5
50	PI/2 BPSK	135	0	22.51	22.52	22.48	
50	PI/2 BPSK	135	68	22.70	22.92	22.79	0.0
50	PI/2 BPSK	135	135	22.06	22.14	22.07	
50	PI/2 BPSK	270	0	22.28	22.40	22.34	0.5
50	QPSK	1	1	22.98	23.00	22.87	
50	QPSK	1	135	22.67	22.81	22.77	0.0
50	QPSK	1	268	22.01	22.10	22.05	
50	QPSK	135	0	21.96	22.07	22.07	1.0
50	QPSK	135	68	22.87	22.91	22.90	
50	QPSK	135	135	21.69	21.71	21.69	1.0
50	QPSK	270	0	21.80	21.86	21.84	
50	16QAM	1	1	21.74	21.84	21.79	1.0
50	64QAM	1	1	20.29	20.31	20.30	
50	256QAM	1	1	18.85	18.91	18.77	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	22.94	22.96	22.80	24.5
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	22.95	22.91	22.82	24.5
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2514.5	2535	2557.5	
25	QPSK	1	1	22.90	22.99	22.79	24.5
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	22.98	23.00	22.79	24.5
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	22.92	22.97	22.87	24.5
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	22.90	22.95	22.80	24.5
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	22.97	22.93	22.81	24.5

n38 Ant0 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.53	22.54	22.56		
40	PI/2 BPSK	1	108	22.87	22.91	22.93		
40	PI/2 BPSK	1	214	22.61	22.57	22.54	24.0	0.5
40	PI/2 BPSK	108	0	22.33	22.37	22.29		
40	PI/2 BPSK	108	54	22.80	22.91	22.80		
40	PI/2 BPSK	108	108	22.12	22.25	22.22		
40	PI/2 BPSK	216	0	22.20	22.29	22.28	24.0	0.5
40	QPSK	1	1	22.54	22.53	22.56		
40	QPSK	1	108	22.88	22.96	22.92		
40	QPSK	1	214	22.54	22.60	22.55		
40	QPSK	108	0	21.70	21.83	21.69	23.5	1.0
40	QPSK	108	54	22.83	22.94	22.89		
40	QPSK	108	108	21.69	21.81	21.64		
40	QPSK	216	0	21.74	21.81	21.74		
40	16QAM	1	1	21.51	21.54	21.53	23.5	1.0
40	64QAM	1	1	20.11	20.23	20.21		
40	256QAM	1	1	18.30	18.37	18.31		
Channel				517002	519000	530998		
Frequency (MHz)				2585.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.60	22.58	22.56	24.5	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.53	22.56	22.55		
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.60	22.57	22.61		
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.53	22.51	22.57		
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.53	22.56	22.60	Tune-up limit (dBm)	MPR (dB)
Channel				514500	519000	523500		
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	1	22.59	22.58	22.58		

n41 Ant0 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504004	518598	532998	24.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	22.75	22.80	22.70		
50	PI/2 BPSK	1	135	22.82	22.91	22.85		
50	PI/2 BPSK	1	268	22.78	22.75	22.73	24.0	0.5
50	PI/2 BPSK	135	0	22.18	22.26	22.28		
50	PI/2 BPSK	135	68	22.74	22.85	22.80		
50	PI/2 BPSK	135	135	22.07	22.16	22.12		
50	PI/2 BPSK	270	0	22.22	22.21	22.10	24.5	0.0
50	QPSK	1	1	22.74	22.83	22.70		
50	QPSK	1	135	22.85	22.96	22.89		
50	QPSK	1	268	22.73	22.74	22.70		
50	QPSK	135	0	21.70	21.81	21.69	23.5	1.0
50	QPSK	135	68	22.81	22.92	22.89		
50	QPSK	135	135	21.62	21.66	21.69		
50	QPSK	270	0	21.69	21.77	21.74		
50	16QAM	1	1	21.84	21.74	21.74	23.5	1.0
50	64QAM	1	1	20.28	20.34	20.23		
50	256QAM	1	1	18.27	18.33	18.24		
Channel				503002	518598	531000		
Frequency (MHz)				2516.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.68	22.83	22.72	24.5	0.0
Channel				502000	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.72	22.81	22.62		
Channel				501004	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.65	22.81	22.68		
Channel				500700	518598	536496		
Frequency (MHz)				2503.5	2592.99	2682.48	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.69	22.83	22.62		
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.71	22.78	22.69	24.5	0.0

n5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	25.7	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.91	24.05	23.92			
20	PI/2 BPSK	1	53	23.82	23.88	23.86			
20	PI/2 BPSK	1	104	23.87	23.96	23.94	25.2	0.5	
20	PI/2 BPSK	50	0	23.51	23.60	23.47			
20	PI/2 BPSK	50	28	23.83	23.94	23.81			
20	PI/2 BPSK	50	56	23.60	23.70	23.67			
20	PI/2 BPSK	100	0	23.61	23.64	23.59	25.7	0.0	
20	QPSK	1	1	23.97	24.08	23.87			
20	QPSK	1	53	23.80	23.96	23.94			
20	QPSK	1	104	23.83	24.04	23.96			
20	QPSK	50	0	22.89	22.93	22.90	24.7	1.0	
20	QPSK	50	28	23.94	23.99	23.87			
20	QPSK	50	56	23.02	23.08	22.98			
20	QPSK	100	0	23.10	23.12	22.96			
20	16QAM	1	1	22.78	22.89	22.76	24.7	1.0	
20	64QAM	1	1	21.30	21.47	21.36			
20	256QAM	1	1	19.63	19.63	19.64			
Channel				166300	167300	168300		Tune-up limit (dBm)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.93	24.02	23.74			
Channel				165800	167300	168800		Tune-up limit (dBm)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.86	24.00	23.81		Tune-up limit (dBm)	
Channel				165300	167300	168300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	23.85	23.94	23.77			

n7 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	25.0	0.0	
Frequency (MHz)				2525	2536	2545			
50	PI/2 BPSK	1	1	23.64	23.88	23.71			
50	PI/2 BPSK	1	135	23.44	23.66	23.55			
50	PI/2 BPSK	1	268	23.53	23.55	23.51	24.5	0.5	
50	PI/2 BPSK	135	0	23.19	23.29	23.25			
50	PI/2 BPSK	135	68	23.59	23.78	23.66			
50	PI/2 BPSK	135	135	22.86	22.83	22.78			
50	PI/2 BPSK	270	0	23.04	23.12	23.05	25.0	0.0	
50	QPSK	1	1	23.91	23.94	23.79			
50	QPSK	1	135	23.55	23.55	23.41			
50	QPSK	1	268	23.43	23.51	23.37			
50	QPSK	135	0	22.74	22.93	22.84	24.0	1.0	
50	QPSK	135	68	23.68	23.80	23.66			
50	QPSK	135	135	22.31	22.41	22.40			
50	QPSK	270	0	22.51	22.66	22.52			
50	16QAM	1	1	22.56	22.64	22.58	24.0	1.0	
50	64QAM	1	1	21.08	21.19	21.04			
50	256QAM	1	1	19.62	19.75	19.63			
Channel				504500	507000	510000		Tune-up limit (dBm)	
Frequency (MHz)				2520	2536	2550			
40	QPSK	1	1	23.82	23.87	23.73		Tune-up limit (dBm)	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2536	2555			
30	QPSK	1	1	23.79	23.87	23.70		Tune-up limit (dBm)	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2536	2567.5			
25	QPSK	1	1	23.82	23.84	23.75		Tune-up limit (dBm)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2536	2560			
20	QPSK	1	1	23.77	23.84	23.64		Tune-up limit (dBm)	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2536	2562.5			
15	QPSK	1	1	23.78	23.85	23.74		Tune-up limit (dBm)	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2536	2565			
10	QPSK	1	1	23.82	23.80	23.75		Tune-up limit (dBm)	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2536	2567.5			
5	QPSK	1	1	23.76	23.86	23.71		Tune-up limit (dBm)	
Channel				500000	507000	514000			
Frequency (MHz)				2500	2536	2570			
Channel				500000	507000	514000		Tune-up limit (dBm)	
Frequency (MHz)				2500	2536	2570			
Channel				500000	507000	514000			
Frequency (MHz)				2500	2536	2570			

n38 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2690.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.84	23.73	23.75	25.5	0.0	
40	PI/2 BPSK	1	108	23.96	24.07	23.97			
40	PI/2 BPSK	1	214	23.83	23.78	23.77			
40	PI/2 BPSK	108	0	23.72	23.83	23.74	25.0	0.5	
40	PI/2 BPSK	108	54	24.18	24.31	24.19	25.5	0.0	
40	PI/2 BPSK	108	108	23.79	23.95	23.78	25.0	0.5	
40	PI/2 BPSK	216	0	23.73	23.88	23.69			
40	QPSK	1	1	23.68	23.73	23.74	25.5	0.0	
40	QPSK	1	108	24.29	24.34	24.17			
40	QPSK	1	214	23.74	23.71	23.83			
40	QPSK	108	0	23.19	23.28	23.23	24.5	1.0	
40	QPSK	108	54	24.19	24.21	24.07	25.5	0.0	
40	QPSK	108	108	23.31	23.24	23.24	24.5	1.0	
40	QPSK	216	0	23.28	23.37	23.24			
40	16QAM	1	1	22.77	22.77	22.75	24.5	1.0	
40	64QAM	1	1	21.27	21.35	21.34	23.0	2.5	
40	256QAM	1	1	19.80	19.93	19.84	21.0	4.5	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2685.01	2595	2604.99	(dBm)	(dB)	
30	QPSK	1	1	23.63	23.66	23.75	25.5	0.0	
Channel				516504	519000	521496	Tune-up limit	MPR	
Frequency (MHz)				2682.52	2595	2607.48	(dBm)	(dB)	
25	QPSK	1	1	23.62	23.72	23.72	25.5	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)	
20	QPSK	1	1	23.60	23.71	23.69	25.5	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	23.61	23.66	23.73	25.5	0.0	
Channel				515004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	23.67	23.67	23.69	25.5	0.0	
Channel				514500	519000	523500	Tune-up limit	MPR	
Frequency (MHz)				2572.5	2595	2617.5	(dBm)	(dB)	
10	QPSK	1	1	23.65	23.72	23.75	25.5	0.0	

n41 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	23.86	23.85	23.85	25.5	0.0	
50	PI/2 BPSK	1	135	24.23	24.19	24.15			
50	PI/2 BPSK	1	268	23.79	23.86	23.84			
50	PI/2 BPSK	135	0	23.45	23.50	23.44	25.0	0.5	
50	PI/2 BPSK	135	68	24.12	24.23	24.21	25.5	0.0	
50	PI/2 BPSK	135	135	23.63	23.58	23.50	25.0	0.5	
50	PI/2 BPSK	270	0	23.58	23.57	23.59			
50	QPSK	1	1	23.88	23.84	23.79	25.5	0.0	
50	QPSK	1	135	24.24	24.27	24.20			
50	QPSK	1	268	23.94	24.01	23.85			
50	QPSK	135	0	22.94	23.05	23.03	24.5	1.0	
50	QPSK	135	68	24.21	24.26	24.18	25.5	0.0	
50	QPSK	135	135	23.02	23.15	23.01	24.5	1.0	
50	QPSK	270	0	23.07	23.12	23.04			
50	16QAM	1	1	22.92	22.98	22.78	24.5	1.0	
50	64QAM	1	1	21.34	21.50	21.38	23.0	2.5	
50	256QAM	1	1	19.12	19.18	19.17	21.0	4.5	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.74	23.75	23.65	25.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.84	23.76	23.65	25.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.81	23.75	23.66	25.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.79	23.75	23.65	25.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.85	23.74	23.67	25.5	0.0	

n7 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	24.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.54	22.55	22.53		
50	PI/2 BPSK	1	135	22.53	22.51	22.54	23.5	0.5
50	PI/2 BPSK	1	268	22.52	22.54	22.52		
50	PI/2 BPSK	135	0	22.03	22.19	22.06		
50	PI/2 BPSK	135	68	22.52	22.55	22.54	24.0	0.0
50	PI/2 BPSK	135	135	22.08	22.12	22.06	23.5	0.5
50	PI/2 BPSK	270	0	22.05	22.10	22.01		
50	QPSK	1	1	22.52	22.58	22.54		
50	QPSK	1	135	22.51	22.56	22.57	24.0	0.0
50	QPSK	1	268	22.56	22.52	22.53		
50	QPSK	135	0	21.58	21.70	21.61	23.0	1.0
50	QPSK	135	68	22.56	22.57	22.52	24.0	0.0
50	QPSK	135	135	21.52	21.62	21.55		
50	QPSK	270	0	21.51	21.53	21.57	23.0	1.0
50	16QAM	1	1	21.51	21.55	21.59	23.0	1.0
50	64QAM	1	1	20.07	20.13	20.11	21.5	2.5
50	256QAM	1	1	18.38	18.52	18.49	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.51	22.55	22.54		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.53	22.56	22.53		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.56	22.54	22.52		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.51	22.54	22.54		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.52	22.57	22.53		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.54	22.56	22.52		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.55	22.57	22.54		

n38 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				519004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	23.02	23.05	23.01			
40	PI2 BPSK	1	108	23.12	23.18	23.12	25.0	0.0	
40	PI2 BPSK	1	214	23.01	23.05	23.01			
40	PI2 BPSK	108	0	22.61	22.65	22.62	24.5	0.5	
40	PI2 BPSK	108	54	23.10	23.14	23.11	25.0	0.0	
40	PI2 BPSK	108	108	22.66	22.66	22.65	24.5	0.5	
40	PI2 BPSK	216	0	22.67	22.70	22.69			
40	QPSK	1	1	23.01	23.08	23.04			
40	QPSK	1	108	23.13	23.25	23.14	25.0	0.0	
40	QPSK	1	214	23.01	23.04	23.04			
40	QPSK	108	0	22.18	22.20	22.11	24.0	1.0	
40	QPSK	108	54	23.13	23.22	23.17	25.0	0.0	
40	QPSK	108	108	22.13	22.10	22.20	24.0	1.0	
40	QPSK	216	0	22.15	22.17	22.13			
40	16QAM	1	1	22.04	22.10	22.02	24.0	1.0	
40	64QAM	1	1	20.54	20.58	20.53	22.5	2.5	
40	256QAM	1	1	18.70	18.70	18.62	20.5	4.5	
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.04	23.18	23.08	25.0	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	22.92	22.95	22.97	23.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.08	23.16	23.06	25.0	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.09	23.20	23.06	25.0	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.05	23.18	23.04	25.0	0.0	
Channel				514500	519000	523500	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.04	23.16	23.06	25.0	0.0	

n41 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2654.99			
50	PI2 BPSK	1	1	23.07	23.05	23.09			
50	PI2 BPSK	1	135	23.09	23.16	23.12	24.5	0.0	
50	PI2 BPSK	1	268	23.06	23.04	23.05			
50	PI2 BPSK	135	0	22.60	22.63	22.58	24.0	0.5	
50	PI2 BPSK	135	68	23.13	23.18	23.09	24.5	0.5	
50	PI2 BPSK	135	135	22.55	22.60	22.57	24.0	0.5	
50	PI2 BPSK	270	0	22.59	22.62	22.59			
50	QPSK	1	1	23.06	23.10	23.09			
50	QPSK	1	135	23.20	23.21	23.10	24.5	0.0	
50	QPSK	1	268	23.04	23.02	23.08			
50	QPSK	135	0	22.09	22.22	22.09	23.5	1.0	
50	QPSK	135	68	23.12	23.20	23.11	24.5	0.0	
50	QPSK	135	135	22.05	22.16	22.12	23.5	1.0	
50	QPSK	270	0	22.12	22.17	22.16			
50	16QAM	1	1	22.02	22.08	22.04	23.5	1.0	
50	64QAM	1	1	20.52	20.58	20.54	22.0	2.5	
50	256QAM	1	1	18.83	18.94	18.88	20.0	4.5	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.09	23.15	23.06	24.5	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				23.11	2592.99	2674.98			
30	QPSK	1	1	23.11	23.12	23.05	24.5	0.0	
Channel				501104	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.08	23.09	23.06	24.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2682.48			
15	QPSK	1	1	23.05	23.11	23.01	24.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	24.5	0.0	
10	QPSK	1	1	23.12	23.09	23.03	24.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				646334	656000	663668		
Frequency (MHz)				3725.01	3840	3956.02		
50	PI2 BPSK	1	1	20.82	20.82	20.87		
50	PI2 BPSK	1	135	21.06	21.19	21.06	22.0	0.0
50	PI2 BPSK	1	268	20.79	20.86	20.77		
50	PI2 BPSK	135	0	20.84	20.89	20.83	21.5	0.5
50	PI2 BPSK	135	68	21.12	21.16	21.12	22.0	0.0
50	PI2 BPSK	135	135	20.75	20.86	20.77	21.5	0.5
50	PI2 BPSK	270	0	20.79	20.89	20.83		
50	QPSK	1	1	20.82	20.88	20.86		
50	QPSK	1	135	21.17	21.22	21.10	22.0	0.0
50	QPSK	1	268	20.80	20.91	20.81		
50	QPSK	135	0	20.07	20.16	20.11	21.0	1.0
50	QPSK	135	68	20.13	20.20	20.13	22.0	0.0
50	QPSK	135	135	20.10	20.16	20.09	21.0	1.0
50	QPSK	270	0	20.06	20.19	20.14		
50	16QAM	1	1	19.80	19.91	19.83	21.0	1.0
50	64QAM	1	1	18.46	18.55	18.52	19.5	2.5
50	256QAM	1	1	16.79	16.86	16.79	17.5	4.5
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	20.87	20.93	20.82	22.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	20.82	20.91	20.76	22.0	0.0
Channel				647590	656000	664590	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.15	3840	3967.15	(dBm)	(dB)
25	QPSK	1	1	20.81	20.92	20.77	22.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	20.84	20.92	20.78	22.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	20.87	20.92	20.83	22.0	0.0
Channel				647090	656000	665090	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	20.87	20.87	20.81	22.0	0.0

Part27Q n77 Ant3 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
50	PI2 BPSK	1	1		21.12			
50	PI2 BPSK	1	135		21.24		22.0	0.0
50	PI2 BPSK	1	268		21.06			
50	PI2 BPSK	135	0		20.76		21.5	0.5
50	PI2 BPSK	135	68		21.32		22.0	0.0
50	PI2 BPSK	135	135		20.78		21.5	0.5
50	PI2 BPSK	270	0		20.80			
50	QPSK	1	1		21.15			
50	QPSK	1	135		21.36		22.0	0.0
50	QPSK	1	268		21.21			
50	QPSK	135	0		20.44		21.0	1.0
50	QPSK	135	68		21.28		22.0	0.0
50	QPSK	135	135		20.41		21.0	1.0
50	QPSK	270	0		20.25			
50	16QAM	1	1		20.23		21.0	1.0
50	64QAM	1	1		19.71		19.5	2.5
50	256QAM	1	1		18.92		17.5	4.5
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	21.10	21.03	21.06	22.0	0.0
Channel				631000	633334	635666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	21.07	21.07	21.07	22.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3463.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	21.04	21.07	21.10	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	21.10	21.05	21.06	22.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	21.08	21.12	21.11	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	21.05	21.11	21.03	22.0	0.0

Part270 n78 Ant3 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
50	PI2 BPSK	1	1		19.71			
50	PI2 BPSK	1	135		19.91		21.0	0.0
50	PI2 BPSK	1	268		19.74			
50	PI2 BPSK	135	0		19.88		21.0	0.0
50	PI2 BPSK	135	68		19.88		21.0	0.0
50	PI2 BPSK	135	135		19.90		21.0	0.0
50	PI2 BPSK	270	0		19.92			
50	QPSK	1	1		19.77			
50	QPSK	1	135		19.92		21.0	0.0
50	QPSK	1	268		19.81			
50	QPSK	135	0		19.76		20.0	1.0
50	QPSK	135	68		19.85		21.0	0.0
50	QPSK	135	135		19.83		20.0	1.0
50	QPSK	270	0		19.86			
50	16QAM	1	1		19.76		21.0	0.0
50	64QAM	1	1		19.84		21.0	0.0
50	256QAM	1	1		18.43		19.5	1.5
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	19.67	19.69	19.67	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	19.73	19.69	19.69	21.0	0.0
Channel				647590	650000	652590	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.15	3750	3787.15	(dBm)	(dB)
25	QPSK	1	1	19.71	19.72	19.68	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	19.67	19.70	19.69	21.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	19.68	19.72	19.64	21.0	0.0
Channel				647090	650000	653090	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	19.66	19.70	19.67	21.0	0.0

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BW [MHz]	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					
Frequency (MHz)				3750					
50	PI2 BPSK	1	1		22.60		24.0	0.0	
50	PI2 BPSK	1	135		22.86				
50	PI2 BPSK	1	268		22.84				
50	PI2 BPSK	135	0		22.39		23.5	0.5	
50	PI2 BPSK	135	68		22.83		24.0	0.0	
50	PI2 BPSK	135	135		22.42		23.5	0.5	
50	PI2 BPSK	270	0		22.43				
50	QPSK	1	1		22.84		24.0	0.0	
50	QPSK	1	135		22.96				
50	QPSK	1	268		22.88				
50	QPSK	135	0		21.81		23.0	1.0	
50	QPSK	135	68		22.87		24.0	0.0	
50	QPSK	135	135		21.79		23.0	1.0	
50	QPSK	270	0		21.88				
50	16QAM	1	1		21.71		23.0	1.0	
50	64QAM	1	1		20.34		21.5	2.5	
50	256QAM	1	1		18.51		19.5	4.5	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3760	3780			
40	QPSK	1	1		22.60	22.55	22.52	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		22.54	22.53	22.51	24.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3713.5	3760	3787.5			
25	QPSK	1	1		22.54	22.58	22.58	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3760	3790.02			
20	QPSK	1	1		22.50	22.58	22.60	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		22.61	22.55	22.53	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.53	22.61	22.61	24.0	0.0

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BW [MHz]	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				
Frequency (MHz)				3500.01				
50	PI2 BPSK	1	1		19.97		21.0	0.0
50	PI2 BPSK	1	135		20.02			
50	PI2 BPSK	1	268		19.85			
50	PI2 BPSK	135	0		20.00			
50	PI2 BPSK	135	68		20.11			
50	PI2 BPSK	135	135		20.06		21.0	0.0
50	PI2 BPSK	270	0		20.09		21.0	0.0
50	QPSK	1	1		20.08			
50	QPSK	1	135		20.17		21.0	0.0
50	QPSK	1	268		20.03			
50	QPSK	135	0		20.07		21.0	0.0
50	QPSK	135	68		20.13		21.0	0.0
50	QPSK	135	135		19.98		21.0	0.0
50	QPSK	270	0		19.90			
50	16QAM	1	1		19.89		21.0	0.0
50	64QAM	1	1		18.85		21.0	0.0
50	256QAM	1	1		18.46		19.5	1.5
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.01	20.03	20.04	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.95	19.99	19.96	21.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.95	19.99	20.00	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.01	19.98	20.01	21.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.95	19.95	20.00	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.02	19.96	20.05	21.0	0.0

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BW [MHz]	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					
Frequency (MHz)				3500.01					
50	PI2 BPSK	1	1		22.92		24.0	0.0	
50	PI2 BPSK	1	135		23.14				
50	PI2 BPSK	1	268		22.88				
50	PI2 BPSK	135	0		22.59		23.5	0.5	
50	PI2 BPSK	135	68		23.16		24.0	0.0	
50	PI2 BPSK	135	135		22.86		23.5	0.5	
50	PI2 BPSK	270	0		22.62				
50	QPSK	1	1		23.16				
50	QPSK	1	135		23.25		24.0	0.0	
50	QPSK	1	268		23.11				
50	QPSK	135	0		22.12		23.0	1.0	
50	QPSK	135	68		23.21		24.0	0.0	
50	QPSK	135	135		22.09		23.0	1.0	
50	QPSK	270	0		22.16				
50	16QAM	1	1		21.95		23.0	1.0	
50	64QAM	1	1		20.36		21.5	2.5	
50	256QAM	1	1		18.98		19.5	4.5	
Channel				631334	633334	635334	Tune-up limit (dBm)		
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		23.08	23.06	23.08	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		23.09	23.10	23.04	24.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3463.51	3500.01	3537.51			
25	QPSK	1	1		23.07	23.12	23.06	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		23.07	23.06	23.04	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		23.11	23.10	23.09	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		23.07	23.03	23.05	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	25.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	23.78	23.84	23.82		
50	PI/2 BPSK	1	135	23.48	23.68	23.62		
50	PI/2 BPSK	1	268	23.41	23.51	23.46	24.5	0.5
50	PI/2 BPSK	135	0	23.29	23.44	23.32		
50	PI/2 BPSK	135	68	23.68	23.80	23.68		
50	PI/2 BPSK	135	135	23.04	23.14	23.04		
50	PI/2 BPSK	270	0	23.15	23.33	23.21	24.5	0.5
50	QPSK	1	1	23.78	23.85	23.81		
50	QPSK	1	135	23.61	23.69	23.61		
50	QPSK	1	268	23.53	23.56	23.46		
50	QPSK	135	0	22.69	22.86	22.69	24.0	1.0
50	QPSK	135	68	23.71	23.76	23.72	25.0	0.0
50	QPSK	135	135	22.64	22.86	22.68	24.0	1.0
50	QPSK	270	0	22.66	22.73	22.63		
50	16QAM	1	1	22.43	22.38	22.50	24.0	1.0
50	64QAM	1	1	20.91	20.96	20.87	22.5	2.5
50	256QAM	1	1	19.36	19.43	19.32	20.5	4.5
Channel				504000	507000	510000	Tune-up limit	MPR
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)
40	QPSK	1	1	23.69	23.77	23.68	25.0	0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	23.67	23.73	23.66	25.0	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	23.63	23.80	23.73	25.0	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	23.72	23.82	23.72	25.0	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	23.68	23.80	23.77	25.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	23.65	23.79	23.71	25.0	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	23.75	23.74	23.68	25.0	0.0



n38 Ant5 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	MTR (dB)	
Channel									
Frequency (MHz)									
40	PLV BPSK	1	1	23.53	23.64	23.58	25.5	0.0	
40	PLV BPSK	1	104	23.52	23.59	23.61			
40	PLV BPSK	1	214	23.54	23.56	23.51			
40	PLV BPSK	104	0	23.51	23.62	23.53	25.5	0.5	
40	PLV BPSK	104	54	23.52	23.63	23.55	25.5	0.0	
40	PLV BPSK	104	104	23.28	23.38	23.20	25.0	0.5	
40	PLV BPSK	214	0	23.24	23.41	23.40	25.0	0.5	
40	QPSK	1	1	23.53	23.63	23.52			
40	QPSK	1	104	23.55	24.02	23.05			
40	QPSK	1	214	23.55	23.53	23.51	24.5	1.0	
40	QPSK	104	0	22.87	23.94	23.81			
40	QPSK	104	54	23.82	23.90	23.87			
40	QPSK	104	104	22.75	22.82	22.75	24.5	1.0	
40	QPSK	214	0	22.81	22.84	22.87	24.5	1.0	
40	SSQAM	1	1	22.58	22.74	22.64			
40	SSQAM	1	1	21.20	21.30	21.17			
40	SSQAM	1	1	19.83	19.68	19.59	21.0	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.55	23.63	23.53	25.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.51	23.58	23.52	25.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.53	23.66	23.56	25.5	0.0	
Channel									
Frequency (MHz)									
45	QPSK	1	1	51550.2	51550.5	51550.6	Turn-up time (min)	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.51	23.59	23.57	25.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.51	23.61	23.58	25.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	51550.0	51550.3	51550.5	Turn-up time (min)	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.53	23.67	23.58	25.5	0.0	

n41 Ant5 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	MTR (dB)	
Channel									
Frequency (MHz)									
40	PLV BPSK	1	1	23.58	23.72	23.62	25.5	0.0	
40	PLV BPSK	1	135	23.58	24.07	24.00			
40	PLV BPSK	1	268	23.62	23.69	23.56			
40	PLV BPSK	135	0	23.46	23.49	23.54	25.0	0.5	
40	PLV BPSK	135	66	23.48	23.57	23.79	25.5	0.0	
40	PLV BPSK	135	135	23.24	23.30	23.29	25.0	0.5	
40	PLV BPSK	270	0	23.57	23.47	23.36	25.0	0.0	
40	QPSK	1	1	23.57	23.70	23.68			
40	QPSK	1	135	23.97	24.03	24.04			
40	QPSK	1	268	23.56	23.63	23.51	24.5	1.0	
40	QPSK	135	0	22.84	22.90	22.80			
40	QPSK	135	66	23.94	24.00	23.99			
40	QPSK	135	135	22.79	22.85	22.76	24.5	1.0	
40	QPSK	270	0	22.80	22.87	22.79	24.5	1.0	
40	SSQAM	1	1	22.75	22.86	22.76			
40	SSQAM	1	1	21.18	21.31	21.21			
40	SSQAM	1	1	19.42	19.54	19.50	21.0	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.62	23.78	23.58	25.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.63	23.71	23.69	25.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.54	23.67	23.58	25.5	0.0	
Channel									
Frequency (MHz)									
45	QPSK	1	1	51550.2	51550.5	51550.6	Turn-up time (min)	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.59	23.67	23.60	25.5	0.0	



Par270 n77 Ant5 Default									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
50	P1/2 BPSK	1	1	23.05	23.18	23.07			
50	P1/2 BPSK	1	135	23.18	23.31	23.25	24.0	0.0	
50	P1/2 BPSK	1	268	23.01	23.11	22.99			
50	P1/2 BPSK	135	0	22.94	22.78	22.72	23.5	0.0	
50	P1/2 BPSK	135	66	23.11	23.28	23.21	23.0	0.0	
50	P1/2 BPSK	135	135	22.62	22.70	22.62	23.5	0.5	
50	P1/2 BPSK	270	0	23.09	23.74	23.64			
50	QPSK	1	1	23.15	23.28	23.19			
50	QPSK	1	135	23.11	23.38	23.28	24.0	0.0	
50	QPSK	1	268	23.12	23.21	23.14			
50	QPSK	135	0	23.18	22.26	23.18	23.0	1.0	
50	QPSK	135	66	23.18	23.13	23.20	24.0	0.0	
50	QPSK	135	135	22.21	22.30	22.18	23.0	1.0	
50	QPSK	270	0	22.21	22.35	22.28			
50	25QAM	1	1	22.14	22.19	22.15	23.0	1.0	
50	25QAM	1	1	20.07	20.74	20.70	23.5	1.5	
50	25QAM	1	1	18.97	18.82	18.50	23.5	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.02	23.22	23.10	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.08	23.19	23.11	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.04	23.18	23.07	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.04	23.18	23.07	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.04	23.18	23.07	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.04	23.18	23.07	24.0	0.0	

Part27Q n77 Ant5 Default									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
50	P1/2 BPSK	1	1		3500.01				
50	P1/2 BPSK	1	135	22.96		22.96	24.0	0.0	
50	P1/2 BPSK	1	268	23.18		23.18			
50	P1/2 BPSK	135	0	22.96		22.96	23.5	0.0	
50	P1/2 BPSK	135	66	23.12		23.12	23.0	0.0	
50	P1/2 BPSK	135	135	22.59		22.59	23.5	0.5	
50	P1/2 BPSK	270	0	22.96		22.96			
50	QPSK	1	1	23.07		23.07			
50	QPSK	1	135	23.25		23.25	24.0	0.0	
50	QPSK	1	268	23.01		23.01			
50	QPSK	135	0	22.96		22.96	23.0	1.0	
50	QPSK	135	66	23.09		23.09	24.0	0.0	
50	QPSK	135	135	22.11		22.11	23.0	1.0	
50	QPSK	270	0	22.19		22.19			
50	25QAM	1	1	22.09		22.09	23.0	1.0	
50	25QAM	1	1	20.54		20.54	23.5	1.5	
50	25QAM	1	1	18.90		18.90	23.5	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.08	23.04	23.05	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.04	22.98	23.07	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.05	23.01	23.02	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.02	22.99	23.01	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.02	22.99	23.01	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.01	22.99	22.97	24.0	0.0	

Part27O n78 Ant5 Default									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
50	P1/2 BPSK	1	1		3750				
50	P1/2 BPSK	1	135	22.01		22.01	23.0	0.0	
50	P1/2 BPSK	1	268	22.15		22.15			
50	P1/2 BPSK	135	0	22.01		22.01	23.0	0.0	
50	P1/2 BPSK	135	66	22.12		22.12	23.0	0.0	
50	P1/2 BPSK	135	135	22.00		22.00	23.0	0.0	
50	P1/2 BPSK	270	0	22.00		22.00			
50	QPSK	1	1	22.04		22.04			
50	QPSK	1	135	22.17		22.17	23.0	0.0	
50	QPSK	1	268	21.07		21.07			
50	QPSK	135	0	22.00		22.00	23.0	0.0	
50	QPSK	135	66	22.04		22.04	23.0	0.0	
50	QPSK	135	135	22.14		22.14	23.0	0.0	
50	QPSK	270	0	22.02		22.02			
50	25QAM	1	1	21.86		21.86	23.0	0.0	
50	25QAM	1	1	21.81		21.81	23.0	0.0	
50	25QAM	1	1	20.47		20.47	23.5	1.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.97	21.94	21.92	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.95	21.99	22.00	23.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.92	21.91	21.91	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.90	21.93	21.97	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.92	21.93	21.94	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.00	22.01	22.00	23.0	0.0	

Part270 n78 PC2 Ant5 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Take-up time (ms)	MFR (dB)	
Channel									
Frequency (MHz)									
50	PIQ BPSK	1	1	24.95			26.0	0.0	
50	PIQ BPSK	1	135	25.01					
50	PIQ BPSK	1	268	24.97					
50	PIQ BPSK	135	0	24.93			25.5	0.5	
50	PIQ BPSK	135	66	25.13			25.5	0.5	
50	PIQ BPSK	135	135	24.98			25.5	0.5	
50	PIQ BPSK	270	0	24.90			26.0	0.0	
50	QPSK	1	1	25.02					
50	QPSK	1	135	25.18					
50	QPSK	1	268	24.95			25.9	1.0	
50	QPSK	135	0	24.93					
50	QPSK	135	66	25.14					
50	QPSK	135	135	25.09			25.0	1.0	
50	QPSK	270	0	25.01			25.0	1.0	
50	16QAM	1	1	25.90			25.0	1.0	
50	64QAM	1	1	25.38			25.5	2.5	
50	256QAM	1	1	20.41			25.5	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.98	24.95	24.96	26.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.96	25.00	24.99	26.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.95	24.94	24.98	26.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.93	24.98	24.97	25.9	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	0	25.00	24.91	24.93	25.9	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.99	24.89	24.90	25.5	0.0	

Part27Q 78 Ant5 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Take-up time (ms)	MFR (dB)	
Channel									
Frequency (MHz)									
50	PIQ BPSK	1	1	25.05			23.0	0.0	
50	PIQ BPSK	1	135	25.00					
50	PIQ BPSK	1	268	24.92					
50	PIQ BPSK	135	0	25.02			23.0	0.0	
50	PIQ BPSK	135	66	25.01			23.0	0.0	
50	PIQ BPSK	135	135	24.94			23.0	0.0	
50	PIQ BPSK	270	0	25.01			23.0	0.0	
50	QPSK	1	1	25.50					
50	QPSK	1	135	25.14					
50	QPSK	1	268	24.95			23.0	1.0	
50	QPSK	135	0	24.95			23.0	1.0	
50	QPSK	135	66	25.16			23.0	1.0	
50	QPSK	135	135	25.05			23.0	1.0	
50	QPSK	270	0	25.09			23.0	1.0	
50	16QAM	1	1	25.41			23.0	0.0	
50	64QAM	1	1	25.45			23.5	0.0	
50	256QAM	1	1	20.38			23.5	1.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.91	25.95	25.85	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.94	25.95	25.85	23.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.89	25.97	25.90	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	0	25.86	25.87	25.84	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	0	25.87	25.80	25.87	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	0	25.89	25.88	25.82	23.5	0.0	

Part27Q 78 PC2 Ant5 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Take-up time (ms)	MFR (dB)	
Channel									
Frequency (MHz)									
50	PIQ BPSK	1	1	24.99			26.0	0.0	
50	PIQ BPSK	1	135	24.93					
50	PIQ BPSK	1	268	24.91					
50	PIQ BPSK	135	0	24.93			25.5	0.5	
50	PIQ BPSK	135	66	24.95			25.5	0.5	
50	PIQ BPSK	135	135	24.92			25.5	0.5	
50	PIQ BPSK	270	0	24.94			26.0	0.0	
50	QPSK	1	1	24.90					
50	QPSK	1	135	25.20					
50	QPSK	1	268	24.94			25.9	1.0	
50	QPSK	135	0	24.93			25.0	1.0	
50	QPSK	135	66	25.10			25.0	1.0	
50	QPSK	135	135	24.90			25.0	1.0	
50	QPSK	270	0	25.09			25.0	1.0	
50	16QAM	1	1	25.89			25.0	1.0	
50	64QAM	1	1	25.42			25.5	2.5	
50	256QAM	1	1	20.54			25.5	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.87	24.85	24.90	26.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.89	24.80	24.89	26.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.88	24.80	24.85	26.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.85	24.80	24.82	25.9	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.79	24.83	24.80	25.9	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.81	24.80	24.81	25.5	0.0	



Full Power Mode_Main PA
DFT-30

n5 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	25.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	24.66	24.69	24.61			
20	PI/2 BPSK	1	26	24.54	24.56	24.42			
20	PI/2 BPSK	1	49	24.53	24.61	24.60	25.0	0.5	
20	PI/2 BPSK	25	0	23.91	24.02	24.01			
20	PI/2 BPSK	25	13	24.58	24.65	24.54			
20	PI/2 BPSK	25	26	24.12	24.12	24.01			
20	PI/2 BPSK	50	0	23.93	24.08	24.02	25.5	0.0	
20	QPSK	1	1	24.72	24.78	24.64			
20	QPSK	1	26	24.73	24.74	24.60			
20	QPSK	1	49	24.69	24.72	24.69			
20	QPSK	25	0	23.69	23.79	23.76	24.5	1.0	
20	QPSK	25	13	24.71	24.76	24.65			
20	QPSK	25	26	23.58	23.67	23.56			
20	QPSK	50	0	23.58	23.59	23.47			
20	16QAM	1	1	23.42	23.48	23.36	24.5	1.0	
20	64QAM	1	1	22.12	22.12	21.99			
20	256QAM	1	1	20.37	20.39	20.25			
Channel				166800	167300	167800	25.5	0.0	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.93	24.04	24.01		25.5	
Channel				166800	167300	167800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.97	24.11	24.08		25.5	

n7 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	24.5	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	22.88	22.99	22.95			
50	PI/2 BPSK	1	67	22.76	22.83	22.83			
50	PI/2 BPSK	1	131	22.56	22.57	22.58	24.0	0.5	
50	PI/2 BPSK	64	0	22.56	22.59	22.54			
50	PI/2 BPSK	64	35	22.77	22.92	22.86			
50	PI/2 BPSK	64	69	22.08	22.14	22.08			
50	PI/2 BPSK	128	0	22.29	22.41	22.38	24.5	0.0	
50	QPSK	1	1	22.98	23.05	22.91			
50	QPSK	1	67	22.75	22.87	22.83			
50	QPSK	1	131	22.54	22.53	22.57			
50	QPSK	64	0	22.00	22.11	22.08	23.5	1.0	
50	QPSK	64	35	22.91	22.97	22.93			
50	QPSK	64	69	21.71	21.74	21.69			
50	QPSK	128	0	21.80	21.90	21.89			
50	16QAM	1	1	21.81	21.87	21.80	23.5	1.0	
50	64QAM	1	1	20.34	20.36	20.33			
50	256QAM	1	1	18.92	18.94	18.83			
Channel				505000	507000	509000	25.5	0.0	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	22.78	22.93	22.88		24.5	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.82	22.89	22.87	24.5	0.0	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.74	22.88	22.97		24.5	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	22.80	22.92	22.94	24.5	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	22.78	22.89	22.96		24.5	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.80	23.00	22.96		24.5	

n38 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	24.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.53	22.56	22.52			
40	PI/2 BPSK	1	53	22.91	22.97	22.94	24.0	0.5	
40	PI/2 BPSK	1	104	22.52	22.54	22.51			
40	PI/2 BPSK	50	0	22.34	22.38	22.31			
40	PI/2 BPSK	50	28	22.82	22.94	22.82	24.0	0.5	
40	PI/2 BPSK	50	56	22.18	22.32	22.26			
40	PI/2 BPSK	100	0	22.23	22.37	22.33			
40	QPSK	1	1	22.56	22.58	22.54	24.5	0.0	
40	QPSK	1	53	22.88	23.02	22.97			
40	QPSK	1	104	22.55	22.53	22.51			
40	QPSK	50	0	21.74	21.87	21.76	23.5	1.0	
40	QPSK	50	28	22.90	22.98	22.91			
40	QPSK	50	56	21.75	21.82	21.67			
40	QPSK	100	0	21.77	21.85	21.75	23.5	1.0	
40	16QAM	1	1	21.53	21.61	21.56			
40	64QAM	1	1	20.18	20.29	20.26		22.0	
40	256QAM	1	1	18.36	18.42	18.31			
Channel				517002	519000	520998	24.5	0.0	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.55	22.52	22.53			
Channel				516504	519000	521496	24.5	0.0	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.61	22.54	22.51			
Channel				516000	519000	522000	24.5	0.0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.52	22.56	22.54			
Channel				515502	519000	522498	24.5	0.0	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.57	22.51	22.56			
Channel				515004	519000	522996	24.5	0.0	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.51	22.52	22.60			

n41 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	24.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.52	22.56	22.51			
100	PI/2 BPSK	1	137	22.94	23.05	23.00	24.0	0.5	
100	PI/2 BPSK	1	271	22.58	22.54	22.55			
100	PI/2 BPSK	135	0	22.35	22.42	22.38			
100	PI/2 BPSK	135	69	22.92	23.00	22.93	24.0	0.5	
100	PI/2 BPSK	135	138	22.17	22.30	22.22			
100	PI/2 BPSK	270	0	22.35	22.39	22.26			
100	QPSK	1	1	22.56	22.63	22.51	24.5	0.0	
100	QPSK	1	137	22.97	23.11	23.05			
100	QPSK	1	271	22.54	22.51	22.52			
100	QPSK	135	0	21.82	21.92	21.87	23.5	1.0	
100	QPSK	135	69	22.97	23.08	23.05			
100	QPSK	135	138	21.78	21.83	21.82			
100	QPSK	270	0	21.86	21.88	21.86	23.5	1.0	
100	16QAM	1	1	21.59	21.52	21.56			
100	64QAM	1	1	20.06	20.10	20.01		22.0	
100	256QAM	1	1	18.06	18.11	18.03			
Channel				508200	518598	528998	24.5	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.55	22.60	22.56			
Channel				507204	518598	529998	24.5	0.0	
Frequency (MHz)				2536.02	2592.99	2640.99			
80	QPSK	1	1	22.61	22.62	22.54			
Channel				506202	518598	531000	24.5	0.0	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.64	22.64	22.53			
Channel				505200	518598	531998	24.5	0.0	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.59	22.66	22.53			
Channel				504204	518598	532998	24.5	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.55	22.72	22.53			
Channel				503202	518598	534000	24.5	0.0	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.64	22.61	22.47			
Channel				502200	518598	534998	24.5	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.54	22.71	22.58			
Channel				501204	518598	535998	24.5	0.0	
Frequency (MHz)				2506.02	2592.99	2670.99			
20	QPSK	1	1	22.55	22.68	22.56			
Channel				500200	518598	536998	24.5	0.0	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.51	22.73	22.47			
Channel				500202	518598	537000	24.5	0.0	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.63	22.59	22.51			

n5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839	25.7	0.0	
Frequency (MHz)				166800	167300	167800			
20	PI/2 BPSK	1	1	24.01	24.11	24.06			
20	PI/2 BPSK	1	26	23.89	24.00	23.90			
20	PI/2 BPSK	1	49	24.00	24.07	23.99	25.2	0.5	
20	PI/2 BPSK	25	0	23.58	23.68	23.57			
20	PI/2 BPSK	25	13	23.91	24.04	23.91			
20	PI/2 BPSK	25	26	23.72	23.81	23.77			
20	PI/2 BPSK	50	0	23.67	23.71	23.65	25.7	0.0	
20	QPSK	1	1	24.06	24.13	23.99			
20	QPSK	1	26	23.95	24.06	24.00			
20	QPSK	1	49	23.96	24.08	24.02			
20	QPSK	25	0	23.00	23.07	23.00	24.7	1.0	
20	QPSK	25	13	24.04	24.12	24.01	25.7	0.0	
20	QPSK	25	26	23.09	23.21	23.12	24.7	1.0	
20	QPSK	50	0	23.16	23.20	23.08			
20	16QAM	1	1	22.90	22.93	22.81	24.7	1.0	
20	64QAM	1	1	21.41	21.51	21.39	23.2	2.5	
20	256QAM	1	1	19.69	19.77	19.69	21.2	4.5	
Channel				166800	167300	167800	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	23.96	24.09	23.90	25.7	0.0	
Channel				166800	167300	167800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	23.93	24.05	23.93	25.7	0.0	

n7 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	25.0	0.0	
Frequency (MHz)				2525	2536	2545			
50	PI/2 BPSK	1	1	23.77	23.91	23.78			
50	PI/2 BPSK	1	67	23.58	23.71	23.63			
50	PI/2 BPSK	1	131	23.63	23.67	23.58	24.5	0.5	
50	PI/2 BPSK	64	0	23.31	23.41	23.35			
50	PI/2 BPSK	64	35	23.72	23.82	23.77			
50	PI/2 BPSK	64	69	22.92	22.95	22.91			
50	PI/2 BPSK	128	0	23.13	23.20	23.08	25.0	0.0	
50	QPSK	1	1	23.94	23.97	23.84			
50	QPSK	1	67	23.59	23.65	23.53			
50	QPSK	1	131	23.49	23.56	23.43			
50	QPSK	64	0	22.88	23.02	22.95	24.0	1.0	
50	QPSK	64	35	23.81	23.85	23.71	25.0	0.0	
50	QPSK	64	69	22.45	22.56	22.44	24.0	1.0	
50	QPSK	128	0	22.62	22.73	22.61			
50	16QAM	1	1	22.66	22.71	22.67	24.0	1.0	
50	64QAM	1	1	21.14	21.23	21.16	22.5	2.5	
50	256QAM	1	1	19.66	19.80	19.68	20.5	4.5	
Channel				505000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2520	2536	2550	(dBm)	(dB)	
40	QPSK	1	1	23.91	23.83	23.73	25.0	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2536	2555	(dBm)	(dB)	
30	QPSK	1	1	23.86	23.90	23.78	25.0	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2536	2557.5	(dBm)	(dB)	
25	QPSK	1	1	23.85	23.87	23.71	25.0	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2536	2560	(dBm)	(dB)	
20	QPSK	1	1	23.84	23.88	23.73	25.0	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2536	2562.5	(dBm)	(dB)	
15	QPSK	1	1	23.85	23.87	23.73	25.0	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2536	2565	(dBm)	(dB)	
10	QPSK	1	1	23.79	23.86	23.80	25.0	0.0	



n38 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2690.02	2695	2699.98			
40	PI/2 BPSK	1	1	23.58	23.52	23.57	25.5	0.0	
40	PI/2 BPSK	1	53	24.05	24.15	24.03			
40	PI/2 BPSK	1	104	23.59	23.51	23.56			
40	PI/2 BPSK	50	0	23.77	23.91	23.86	25.0	0.5	
40	PI/2 BPSK	50	28	24.33	24.37	24.30	25.5	0.0	
40	PI/2 BPSK	50	56	23.84	23.98	23.90	25.0	0.5	
40	PI/2 BPSK	100	0	23.85	23.93	23.80			
40	QPSK	1	1	23.53	23.56	23.54	25.5	0.0	
40	QPSK	1	53	24.38	24.45	24.31			
40	QPSK	1	104	23.56	23.53	23.57			
40	QPSK	50	0	23.28	23.37	23.33	24.5	1.0	
40	QPSK	50	28	24.25	24.35	24.20	25.5	0.0	
40	QPSK	50	56	23.35	23.38	23.30	24.5	1.0	
40	QPSK	100	0	23.36	23.43	23.35			
40	16QAM	1	1	22.51	22.55	22.56	24.5	1.0	
40	64QAM	1	1	21.01	21.09	21.11	23.0	2.5	
40	256QAM	1	1	19.93	19.97	19.89	21.0	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2635.01	2695	2694.99			
30	QPSK	1	1	23.54	23.59	23.56	25.5	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2682.52	2695	2697.48			
25	QPSK	1	1	23.52	23.57	23.51	25.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.54	23.58	23.55	25.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.57	23.53	23.52	25.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	23.55	23.51	23.56	25.5	0.0	

n41 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.61	23.53	23.56	25.5	0.0	
100	PI/2 BPSK	1	137	24.27	24.34	24.26			
100	PI/2 BPSK	1	271	23.51	23.60	23.58			
100	PI/2 BPSK	135	0	23.52	23.65	23.55	25.0	0.5	
100	PI/2 BPSK	135	69	24.20	24.29	24.25	25.5	0.0	
100	PI/2 BPSK	135	138	23.70	23.70	23.64	25.0	0.5	
100	PI/2 BPSK	270	0	23.64	23.69	23.66			
100	QPSK	1	1	23.54	23.58	23.51	25.5	0.0	
100	QPSK	1	137	24.38	24.39	24.26			
100	QPSK	1	271	23.65	23.66	23.56			
100	QPSK	135	0	23.02	23.13	23.09	24.5	1.0	
100	QPSK	135	69	24.30	24.34	24.25	25.5	0.0	
100	QPSK	135	138	23.13	23.18	23.06	24.5	1.0	
100	QPSK	270	0	23.15	23.20	23.18			
100	16QAM	1	1	22.56	22.64	22.51	24.5	1.0	
100	64QAM	1	1	21.05	21.16	21.12	23.0	2.5	
100	256QAM	1	1	19.17	19.31	19.23	21.0	4.5	
Channel				508200	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.52	23.61	23.64	25.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.55	23.68	23.55	25.5	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.56	23.62	23.54	25.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.58	23.65	23.64	25.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.57	23.64	23.54	25.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.58	23.60	23.62	25.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.51	23.65	23.52	25.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.63	23.59	23.53	25.5	0.0	
Channel				500200	518598	536996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.52	23.68	23.64	25.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.55	23.71	23.55	25.5	0.0	

n7 Ant2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	24.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.58	22.61	22.56	24.0	0.0
50	PI/2 BPSK	1	67	22.54	22.62	22.54		
50	PI/2 BPSK	1	131	22.51	22.57	22.53		
50	PI/2 BPSK	64	0	22.12	22.23	22.10	23.5	0.5
50	PI/2 BPSK	64	35	22.58	22.67	22.56	24.0	0.0
50	PI/2 BPSK	64	69	22.01	22.11	22.06	23.5	0.5
50	PI/2 BPSK	128	0	22.04	22.06	22.03		
50	QPSK	1	1	22.60	22.68	22.60	24.0	0.0
50	QPSK	1	67	22.61	22.61	22.58		
50	QPSK	1	131	22.51	22.52	22.54		
50	QPSK	64	0	21.68	21.78	21.63	23.0	1.0
50	QPSK	64	35	22.59	22.66	22.65	24.0	0.0
50	QPSK	64	69	21.56	21.53	21.52	23.0	1.0
50	QPSK	128	0	21.54	21.56	21.55		
50	16QAM	1	1	21.54	21.56	21.52	23.0	1.0
50	64QAM	1	1	20.07	20.15	20.04	21.5	2.5
50	256QAM	1	1	18.50	18.62	18.50	19.5	4.5
Channel				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.70	22.79	22.81	24.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.74	22.88	22.77	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.68	22.86	22.78	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.69	22.82	22.73	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.70	22.90	22.85	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.76	22.88	22.82	24.0	0.0

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BW [MHz]	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		3500.01	23.0	0.0
Frequency (MHz)								
100	PI/2 BPSK	1	1		22.19			
100	PI/2 BPSK	1	137		22.29			
100	PI/2 BPSK	1	271		22.21			
100	PI/2 BPSK	135	0		22.32		23.0	0.0
100	PI/2 BPSK	135	69		22.39		23.0	0.0
100	PI/2 BPSK	135	138		22.20		23.0	0.0
100	PI/2 BPSK	270	0		22.36			
100	QPSK	1	1		22.21			
100	QPSK	1	137		22.44		23.0	0.0
100	QPSK	1	271		22.29			
100	QPSK	135	0		22.34		23.0	1.0
100	QPSK	135	69		22.41		23.0	0.0
100	QPSK	135	138		22.25		23.0	1.0
100	QPSK	270	0		22.37			
100	16QAM	1	1		22.21		23.0	0.0
100	64QAM	1	1		22.17		23.0	0.0
100	256QAM	1	1		21.43		21.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.18	22.17	22.21	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.21	22.22	22.15	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.18	22.19	22.14	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.15	22.18	22.15	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.16	22.15	22.14	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.15	22.14	22.20	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.17	22.16	22.21	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	22.21	22.16	22.17	23.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.14	22.21	22.18	23.0	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	22.17	22.15	22.20	23.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	22.20	22.21	22.19	23.0	0.0

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BW [MHz]	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		3500.01	26.0	0.0
Frequency (MHz)								
100	PI/2 BPSK	1	1		25.13			
100	PI/2 BPSK	1	137		25.36			
100	PI/2 BPSK	1	271		25.31			
100	PI/2 BPSK	135	0		24.82		25.5	0.5
100	PI/2 BPSK	135	69		25.32		25.5	0.5
100	PI/2 BPSK	135	138		24.74		26.0	0.0
100	PI/2 BPSK	270	0		24.79			
100	QPSK	1	1		25.18			
100	QPSK	1	137		25.35		26.0	0.0
100	QPSK	1	271		25.36			
100	QPSK	135	0		24.23		25.0	1.0
100	QPSK	135	69		25.34		26.0	0.0
100	QPSK	135	138		24.22		25.0	1.0
100	QPSK	270	0		24.27			
100	16QAM	1	1		23.91		25.0	1.0
100	64QAM	1	1		22.39		23.5	2.5
100	256QAM	1	1		21.46		21.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.28	25.35	25.24	26.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.27	25.30	25.32	26.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.36	25.26	25.37	26.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.24	25.30	25.32	26.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.26	25.27	25.25	26.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.34	25.31	25.27	26.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.35	25.20	25.25	26.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	25.33	25.34	25.33	26.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.37	25.23	25.37	26.0	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	25.26	25.37	25.24	26.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	25.36	25.31	25.35	26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	25.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	23.81	23.92	23.88		
50	PI/2 BPSK	1	67	23.58	23.73	23.68		
50	PI/2 BPSK	1	131	23.53	23.60	23.51	24.5	0.5
50	PI/2 BPSK	64	0	23.41	23.50	23.43		
50	PI/2 BPSK	64	35	23.73	23.84	23.76		
50	PI/2 BPSK	64	69	23.19	23.27	23.13		
50	PI/2 BPSK	128	0	23.25	23.39	23.28	25.0	0.0
50	QPSK	1	1	23.81	23.95	23.88		
50	QPSK	1	67	23.67	23.77	23.65		
50	QPSK	1	131	23.61	23.68	23.59		
50	QPSK	64	0	22.82	22.92	22.78	24.0	1.0
50	QPSK	64	35	23.84	23.91	23.87		
50	QPSK	64	69	22.75	22.90	22.81		
50	QPSK	128	0	22.73	22.87	22.74		
50	16QAM	1	1	22.53	22.47	22.55	24.0	1.0
50	64QAM	1	1	21.05	21.03	21.01		
50	256QAM	1	1	19.51	19.65	19.51		
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	1	23.68	23.88	23.78		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.68	23.80	23.76		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.67	23.80	23.84		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.72	23.82	23.77		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.75	23.86	23.79		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.77	23.80	23.81		

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BW [MHz]	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)								
				2590.02	2595	2599.98		
40	PV2 BPSK	1	1	23.61	23.68	23.64		
40	PV2 BPSK	1	53	23.98	24.07	23.98	25.5	0.0
40	PV2 BPSK	1	104	23.52	23.57	23.54		
40	PV2 BPSK	50	0	23.36	23.47	23.40	25.0	0.5
40	PV2 BPSK	50	28	23.91	24.02	23.80	25.5	0.0
40	PV2 BPSK	50	56	23.38	23.48	23.34	25.0	0.5
40	PV2 BPSK	100	0	23.36	23.53	23.50		
40	QPSK	1	1	23.57	23.71	23.65		
40	QPSK	1	53	23.97	24.12	24.06	25.5	0.0
40	QPSK	1	104	23.52	23.62	23.56		
40	QPSK	50	0	22.98	23.35	23.86	24.5	1.0
40	QPSK	50	28	23.97	24.04	23.88	25.5	0.0
40	QPSK	50	56	22.79	22.93	22.83	24.5	1.0
40	QPSK	100	0	22.93	22.95	22.81		
40	8QAM	1	1	22.73	22.79	22.71	24.5	1.0
40	8QAM	1	1	21.23	21.33	21.26	23.0	2.5
40	256QAM	1	1	19.68	19.76	19.63	21.0	4.5
Channel								
Frequency (MHz)								
				2595.01	2595	2604.99		
30	QPSK	1	1	23.68	23.88	23.70	25.5	0.0
Channel								
Frequency (MHz)								
				2592.52	2595	2607.48		
25	QPSK	1	1	23.71	23.78	23.72	25.5	0.0
Channel								
Frequency (MHz)								
				2590.00	259000	262000	Tune-up limit (dBm)	MPR (dB)
				2590	2595	2610		
20	QPSK	1	1	23.74	23.85	23.74	25.5	0.0
Channel								
Frequency (MHz)								
				2577.51	2595	2612.49		
15	QPSK	1	1	23.69	23.88	23.75	25.5	0.0
Channel								
Frequency (MHz)								
				2575.02	2595	2614.98		
10	QPSK	1	1	23.68	23.80	23.82	25.5	0.0

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BW [MHz]	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)								
				2546.01	2592.99	2640		
100	PV2 BPSK	1	1	23.52	23.54	23.55		
100	PV2 BPSK	1	137	24.05	24.14	24.03	25.5	0.0
100	PV2 BPSK	1	271	23.61	23.58	23.51		
100	PV2 BPSK	135	0	23.44	23.53	23.49	25.0	0.5
100	PV2 BPSK	135	69	23.94	24.08	23.96	25.5	0.0
100	PV2 BPSK	135	138	23.38	23.44	23.41	25.0	0.5
100	PV2 BPSK	270	0	23.37	23.47	23.34		
100	QPSK	1	1	23.54	23.62	23.57		
100	QPSK	1	137	24.10	24.17	24.07	25.5	0.0
100	QPSK	1	271	23.53	23.56	23.52		
100	QPSK	135	0	22.92	23.05	22.92	24.5	1.0
100	QPSK	135	69	24.00	24.14	24.02	25.5	0.0
100	QPSK	135	138	22.85	22.94	22.89	24.5	1.0
100	QPSK	270	0	22.84	22.98	22.81		
100	16QAM	1	1	22.67	22.79	22.63	24.5	1.0
100	64QAM	1	1	21.34	21.17	21.23	23.0	2.5
100	256QAM	1	1	19.46	19.58	19.42	21.0	4.5
Channel								
Frequency (MHz)								
				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)
				2541	2592.99	2644.98		
90	QPSK	1	1	23.92	24.03	23.87	25.5	0.0
Channel								
Frequency (MHz)								
				2536.02	2592.99	2648.99		
80	QPSK	1	1	24.02	24.00	23.92	25.5	0.0
Channel								
Frequency (MHz)								
				2531.01	2592.99	2655		
70	QPSK	1	1	23.90	24.02	23.90	25.5	0.0
Channel								
Frequency (MHz)								
				2526	2592.99	2659.98	Tune-up limit (dBm)	MPR (dB)
				2526	2592.99	2659.98		
60	QPSK	1	1	24.00	23.97	23.91	25.5	0.0
Channel								
Frequency (MHz)								
				2504.04	259598	263998	Tune-up limit (dBm)	MPR (dB)
				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.97	24.09	23.89	25.5	0.0
Channel								
Frequency (MHz)								
				2516.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)
				2516.01	2592.99	2670		
40	QPSK	1	1	23.94	24.04	23.88	25.5	0.0
Channel								
Frequency (MHz)								
				2502.00	259598	264898	Tune-up limit (dBm)	MPR (dB)
				2511	2592.99	2674.99		
30	QPSK	1	1	23.98	24.05	23.91	25.5	0.0
Channel								
Frequency (MHz)								
				2501.04	259598	263998	Tune-up limit (dBm)	MPR (dB)
				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.95	24.07	23.91	25.5	0.0
Channel								
Frequency (MHz)								
				2507.00	259598	263498	Tune-up limit (dBm)	MPR (dB)
				2503.15	2592.99	2682.42		
15	QPSK	1	1	23.93	23.99	23.93	25.5	0.0
Channel								
Frequency (MHz)								
				2502.02	259598	2637000	Tune-up limit (dBm)	MPR (dB)
				2501.01	2592.99	2685		
10	QPSK	1	1	24.01	24.04	23.94	25.5	0.0

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BW [MHz]	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)				3750	3840	3930		
100	PV2 BPSK	1	1	22.65	22.86	22.87		
100	PV2 BPSK	1	137	23.18	23.34	23.16	24.0	0.0
100	PV2 BPSK	1	271	22.64	22.79	22.68		
100	PV2 BPSK	135	0	22.91	22.81	22.82	23.5	0.5
100	PV2 BPSK	135	69	23.15	23.31	23.16	24.0	0.0
100	PV2 BPSK	135	138	22.62	22.74	22.68	23.5	0.5
100	PV2 BPSK	270	0	22.56	22.77	22.71		
100	QPSK	1	1	22.80	22.91	22.86		
100	QPSK	1	137	23.32	23.43	23.42	24.0	0.0
100	QPSK	1	271	22.93	22.82	22.85		
100	QPSK	135	0	22.28	22.27	22.15	23.0	1.0
100	QPSK	135	69	23.25	23.37	23.30	24.0	0.0
100	QPSK	135	138	22.02	22.23	22.08	23.0	1.0
100	QPSK	270	0	22.00	22.26	21.99		
100	16QAM	1	1	21.67	21.89	21.80	23.0	1.0
100	64QAM	1	1	20.27	20.47	20.37	21.5	2.5
100	256QAM	1	1	18.69	18.67	18.57	19.5	4.5
Channel								
Frequency (MHz)				648668	656000	664234	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.97	22.87	22.93	24.0	0.0
Channel								
Frequency (MHz)				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	22.99	22.86	22.86	24.0	0.0
Channel								
Frequency (MHz)				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	22.91	22.88	22.95	24.0	0.0
Channel								
Frequency (MHz)				647668	656000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.97	22.91	22.97	24.0	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.91	22.90	22.90	24.0	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.98	23.00	23.00	24.0	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.90	22.90	22.94	24.0	0.0
Channel								
Frequency (MHz)				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	22.86	23.00	22.90	24.0	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.91	22.93	22.89	24.0	0.0
Channel								
Frequency (MHz)				647169	656000	664834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.89	23.01	22.92	24.0	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.94	22.91	22.90	24.0	0.0

Part27Q n77 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				63334		3500.02	24.0	0.0	
Frequency (MHz)				3500.02					
100	PV2 BPSK	1	1	22.96					
100	PV2 BPSK	1	1	23.50					
100	PV2 BPSK	1	271	23.02					
100	PV2 BPSK	135	0	22.94			23.5	0.5	
100	PV2 BPSK	135	69	23.41			24.0	0.0	
100	PV2 BPSK	135	138	22.88			23.5	0.5	
100	PV2 BPSK	270	0	22.87			24.0	0.0	
100	QPSK	1	1	23.01					
100	QPSK	1	137	23.51					
100	QPSK	1	271	22.99					
100	QPSK	135	0	22.98			23.0	1.0	
100	QPSK	135	69	23.45			24.0	0.0	
100	QPSK	135	138	22.44			23.0	1.0	
100	QPSK	270	0	22.31			23.0	1.0	
100	12QAM	1	1	21.87					
100	64QAM	1	1	20.64					
100	256QAM	1	1	18.71					
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	22.96	22.99	22.99	24.0	0.0	
Channel				633068	633334	634000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.03	3510			
80	QPSK	1	1	22.95	22.92	22.97	24.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.03	3515.01			
70	QPSK	1	1	22.94	22.97	22.97	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3480	3500.03	3520.02			
60	QPSK	1	1	22.91	23.00	22.96	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.03	3525			
50	QPSK	1	1	22.90	22.99	23.04	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.03	3530.01			
40	QPSK	1	1	23.00	22.94	22.92	24.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3465	3500.03	3536.02			
30	QPSK	1	1	22.98	23.02	22.97	24.0	0.0	
Channel				630634	633334	635934	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.03	3537.51			
25	QPSK	1	1	22.93	22.94	23.03	24.0	0.0	
Channel				630368	633334	636000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.03	3540			
20	QPSK	1	1	22.94	22.99	23.04	24.0	0.0	
Channel				630000	633334	636168	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.03	3542.52			
15	QPSK	1	1	22.99	22.94	23.02	24.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.03	3545.01			
10	QPSK	1	1	22.94	22.95	23.00	24.0	0.0	

Part27O n78 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				65000		65000	23.0	0.0	
Frequency (MHz)				3750		3750			
100	PV2 BPSK	1	1	21.63					
100	PV2 BPSK	1	137	22.23					
100	PV2 BPSK	1	271	21.67			23.0	0.0	
100	PV2 BPSK	135	0	22.17					
100	PV2 BPSK	135	69	22.21					
100	PV2 BPSK	135	138	22.11					
100	PV2 BPSK	270	0	22.12			23.0	0.0	
100	QPSK	1	1	21.66			23.0	0.0	
100	QPSK	1	137	22.29					
100	QPSK	1	271	22.74					
100	QPSK	135	0	22.11					
100	QPSK	135	69	22.24			23.0	0.0	
100	QPSK	135	138	22.17			23.0	0.0	
100	QPSK	270	0	22.08			23.0	0.0	
100	12QAM	1	1	21.38					
100	64QAM	1	1	21.47					
100	256QAM	1	1	20.53					
Channel				649668	650000	650334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	21.64	21.67	21.64	23.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	21.67	21.69	21.62	23.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	21.63	21.67	21.61	23.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	21.69	21.72	21.60	23.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	21.70	21.67	21.64	23.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	21.61	21.67	21.73	23.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	21.65	21.70	21.73	23.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	21.73	21.60	21.68	23.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3792.02			
20	QPSK	1	1	21.64	21.62	21.66	23.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	21.73	21.61	21.68	23.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	21.70	21.67	21.72	23.0	0.0	

Part27O n78 PC2 Ant5 Default									
BW [kHz]	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	3750	3750			
100	PV2 BPSK	1	1	24.64			26.0	0.0	
100	PV2 BPSK	1	137	25.19					
100	PV2 BPSK	1	271	24.68					
100	PV2 BPSK	135	0	24.59					
100	PV2 BPSK	135	69	25.15			25.5	0.5	
100	PV2 BPSK	135	138	24.61			26.0	0.5	
100	PV2 BPSK	270	0	24.56					
100	QPSK	1	1	24.64			26.0	0.0	
100	QPSK	1	137	25.25					
100	QPSK	1	271	24.71					
100	QPSK	135	0	24.05					
100	QPSK	135	69	25.38			26.0	0.0	
100	QPSK	135	138	24.08			25.0	1.0	
100	QPSK	270	0	24.03					
100	16QAM	1	1	23.46			25.0	1.0	
100	64QAM	1	1	22.02			23.5	2.5	
100	256QAM	1	1	20.83			21.5	4.5	
Channel				648668	650000	650334			
Frequency (MHz)				3745.02	3750	3750.91			
90	QPSK	1	1	24.70	24.60	24.64	26.0	0.0	
Channel				648334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	24.64	24.71	24.60	26.0	0.0	
Channel				648000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	24.83	24.59	24.68	26.0	0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	24.68	24.60	24.59	26.0	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	24.80	24.69	24.67	26.0	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	24.63	24.68	24.62	26.0	0.0	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	24.65	24.58	24.60	26.0	0.0	
Channel				647500	650000	652500			
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	24.67	24.65	24.63	26.0	0.0	
Channel				647234	650000	652868			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	24.62	24.57	24.69	26.0	0.0	
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	24.68	24.62	24.62	26.0	0.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	24.66	24.60	24.69	26.0	0.0	

Part27Q 78 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		21.53		23.0	0.0
100	PI2 BPSK	1	137		22.05			
100	PI2 BPSK	1	271		21.62			
100	PI2 BPSK	135	0		21.91			
100	PI2 BPSK	135	69		22.04		23.0	0.0
100	PI2 BPSK	135	138		21.96		23.0	0.0
100	PI2 BPSK	270	0		22.02			
100	QPSK	1	1		21.58			
100	QPSK	1	137		22.18			
100	QPSK	1	271		21.57		23.0	0.0
100	QPSK	135	0		21.96			
100	QPSK	135	69		22.10			
100	QPSK	135	138		22.01			
100	QPSK	270	0		21.98		23.0	0.0
100	16QAM	1	1		21.48			
100	64QAM	1	1		21.52			
100	256QAM	1	1		20.47			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.61	21.61	21.61	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.64	21.63	21.62	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.56	21.60	21.53	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.65	21.59	21.57	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.59	21.62	21.63	23.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.59	21.64	21.57	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3526.02		
30	QPSK	1	1	21.61	21.57	21.61	23.0	0.0
Channel				630834	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	21.66	21.53	21.52	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.63	21.66	21.62	23.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	21.62	21.65	21.60	23.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.64	21.60	21.53	23.0	0.0

Part27Q 78 PC2 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		24.66		26.0	0.0
100	PI2 BPSK	1	137		25.18			
100	PI2 BPSK	1	271		24.74			
100	PI2 BPSK	135	0		24.80			
100	PI2 BPSK	135	69		25.14		26.0	0.0
100	PI2 BPSK	135	138		24.56		25.5	0.5
100	PI2 BPSK	270	0		24.63			
100	QPSK	1	1		24.64			
100	QPSK	1	137		25.27			
100	QPSK	1	271		24.73		26.0	0.0
100	QPSK	135	0		24.04			
100	QPSK	135	69		25.18			
100	QPSK	135	138		24.13			
100	QPSK	270	0		24.09		25.0	1.0
100	16QAM	1	1		23.44			
100	64QAM	1	1		22.03			
100	256QAM	1	1		20.64			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	24.70	24.63	24.65	26.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	24.59	24.65	24.60	26.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	24.68	24.62	24.62	26.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	24.63	24.68	24.58	26.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	24.57	24.68	24.59	26.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	24.64	24.68	24.66	26.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3526.02		
30	QPSK	1	1	24.57	24.67	24.58	26.0	0.0
Channel				630834	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	24.62	24.60	24.59	26.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	24.64	24.57	24.65	26.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	24.60	24.65	24.63	26.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	24.68	24.59	24.66	26.0	0.0

Reduced Power Mode for DSI 0 ENDC_Main PA
DFT-30

n5 Ant1 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166900	167300	167800	22.7	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	20.76	20.86	20.77		
20	PI/2 BPSK	1	26	20.84	20.84	20.81	22.7	0.0
20	PI/2 BPSK	1	49	20.86	20.84	20.74		
20	PI/2 BPSK	25	0	20.82	20.94	20.79		
20	PI/2 BPSK	25	13	20.87	20.80	20.79	22.7	0.0
20	PI/2 BPSK	25	26	20.76	20.98	20.79	22.7	0.0
20	PI/2 BPSK	50	0	20.91	20.86	20.90		
20	QPSK	1	1	20.94	21.03	20.89		
20	QPSK	1	26	20.72	20.83	20.83	22.7	0.0
20	QPSK	1	49	20.75	21.00	20.71		
20	QPSK	25	0	20.95	20.89	20.90		
20	QPSK	25	13	20.74	20.96	20.80	22.7	0.0
20	QPSK	25	26	20.89	20.86	20.86	22.7	0.0
20	QPSK	50	0	20.93	20.99	20.78		
20	16QAM	1	1	20.90	20.84	20.77		
20	64QAM	1	1	20.86	20.98	20.79	22.7	0.0
20	256QAM	1	1	19.39	19.45	19.49	21.2	1.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	20.86	21.00	20.79		
Channel				165900	167300	168900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	20.93	20.92	20.90		

n7 Ant1 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	19.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	17.89	17.98	17.65		
50	PI/2 BPSK	1	67	17.74	18.07	17.72	19.0	0.0
50	PI/2 BPSK	1	131	17.80	17.86	17.62		
50	PI/2 BPSK	64	0	17.75	17.95	17.72		
50	PI/2 BPSK	64	35	17.82	18.03	17.73	19.0	0.0
50	PI/2 BPSK	64	69	17.90	17.92	17.75	19.0	0.0
50	PI/2 BPSK	128	0	17.78	18.02	17.61		
50	QPSK	1	1	17.92	18.10	17.82		
50	QPSK	1	67	17.82	18.08	17.61	19.0	0.0
50	QPSK	1	131	17.81	18.08	17.69		
50	QPSK	64	0	17.75	18.00	17.63	19.0	0.0
50	QPSK	64	35	17.74	18.05	17.82	19.0	0.0
50	QPSK	64	69	17.79	17.94	17.68	19.0	0.0
50	QPSK	128	0	17.73	18.00	17.73		
50	16QAM	1	1	17.80	18.09	17.66	19.0	0.0
50	64QAM	1	1	17.82	17.94	17.81	19.0	0.0
50	256QAM	1	1	17.73	17.99	17.73	19.0	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	17.84	18.04	17.70	19.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.76	18.00	17.81	19.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	17.74	17.93	17.67	19.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	17.78	18.04	17.70	19.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	17.89	18.09	17.68	19.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.89	17.88	17.81	19.0	0.0

Part270 n78 PC2/3 Ant3 DSI0									
BW [MHz]	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	3750	3750			
100	PI/2 BPSK	1	1		13.99		15.0		0.0
100	PI/2 BPSK	1	137		14.03				
100	PI/2 BPSK	1	271		13.98				
100	PI/2 BPSK	135	0		13.88		15.0		0.0
100	PI/2 BPSK	135	69		14.05		15.0		0.0
100	PI/2 BPSK	135	138		13.89		15.0		0.0
100	PI/2 BPSK	270	0		13.97				
100	QPSK	1	1		13.78		15.0		0.0
100	QPSK	1	137		14.10				
100	QPSK	1	271		12.96				
100	QPSK	135	0		13.95		15.0		0.0
100	QPSK	135	69		14.03		15.0		0.0
100	QPSK	135	138		13.81		15.0		0.0
100	QPSK	270	0		13.89				0.0
100	16QAM	1	1		13.87		15.0		0.0
100	64QAM	1	1		13.94		15.0		0.0
100	256QAM	1	1		14.08		15.0		0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	13.70	13.82	13.78	15.0		0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	13.90	13.92	13.88	15.0		0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	13.86	13.90	13.75	15.0		0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	13.70	13.87	13.76	15.0		0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	13.72	13.72	13.87	15.0		0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	13.90	13.81	13.72	15.0		0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	13.89	13.70	13.87	15.0		0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	13.89	13.79	13.74	15.0		0.0
Channel				647234	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	13.80	13.82	13.94	15.0		0.0
Channel				647168	650000	652934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	13.89	13.77	13.89	15.0		0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	13.83	13.85	13.85	15.0		0.0

Part27Q 78 PC2/3 Ant3 DSI0									
BW [MHz]	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		15.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		14.04				
100	PI/2 BPSK	1	137		14.27		15.0	0.0	
100	PI/2 BPSK	1	271		14.23				
100	PI/2 BPSK	135	0		14.05				
100	PI/2 BPSK	135	69		14.11		15.0	0.0	
100	PI/2 BPSK	135	138		14.28		15.0	0.0	
100	PI/2 BPSK	270	0		14.29				
100	QPSK	1	1		14.06				
100	QPSK	1	137		14.31		15.0	0.0	
100	QPSK	1	271		14.28				
100	QPSK	135	0		14.28				
100	QPSK	135	69		14.30		15.0	0.0	
100	QPSK	135	138		14.22		15.0	0.0	
100	QPSK	270	0		14.06				
100	16QAM	1	1		14.23				
100	64QAM	1	1		14.26		15.0	0.0	
100	256QAM	1	1		14.09		15.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		14.28	14.28	14.26	15.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		14.19	14.17	14.24	15.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		14.15	14.30	14.14	15.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		14.11	14.20	14.12	15.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		14.23	14.16	14.19	15.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		14.30	14.22	14.11	15.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		14.15	14.26	14.26	15.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		14.20	14.27	14.09	15.0	0.0
Channel				630568	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		14.21	14.18	14.12	15.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		14.22	14.26	14.22	15.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		14.20	14.22	14.13	15.0	0.0

Part270 n78 PC3 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	23.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		21.63				
100	PI/2 BPSK	1	137		22.23				
100	PI/2 BPSK	1	271		21.67		23.0	0.0	
100	PI/2 BPSK	135	0		22.17				
100	PI/2 BPSK	135	69		22.21		23.0	0.0	
100	PI/2 BPSK	135	138		22.11		23.0	0.0	
100	PI/2 BPSK	270	0		22.12				
100	QPSK	1	1		21.66		23.0	0.0	
100	QPSK	1	137		22.29				
100	QPSK	1	271		21.74				
100	QPSK	135	0		22.11			0.0	
100	QPSK	135	69		22.24		23.0	0.0	
100	QPSK	135	138		22.17		23.0	0.0	
100	QPSK	270	0		22.09				
100	16QAM	1	1		21.39		23.0	0.0	
100	64QAM	1	1		21.47		23.0	0.0	
100	256QAM	1	1		20.53		21.5	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		21.64	21.67	21.64	23.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		21.67	21.69	21.62	23.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		21.63	21.67	21.61	23.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		21.69	21.72	21.60	23.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		21.70	21.67	21.64	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		21.61	21.67	21.73	23.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		21.65	21.70	21.73	23.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		21.73	21.60	21.68	23.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		21.64	21.62	21.66	23.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		21.73	21.61	21.68	23.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		21.70	21.67	21.72	23.0	0.0

Part270 n78 PC2 Ant5 DSI0									
BW [MHz]	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	25.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		24.09				
100	PI/2 BPSK	1	137		24.21				
100	PI/2 BPSK	1	271		24.24		25.0	0.0	
100	PI/2 BPSK	135	0		24.22				
100	PI/2 BPSK	135	69		24.15		25.0	0.0	
100	PI/2 BPSK	135	138		24.22		25.0	0.0	
100	PI/2 BPSK	270	0		24.11				
100	QPSK	1	1		24.22		25.0	0.0	
100	QPSK	1	137		24.27				
100	QPSK	1	271		24.16				
100	QPSK	135	0		24.19			0.0	
100	QPSK	135	69		24.24		25.0	0.0	
100	QPSK	135	138		24.20		25.0	0.0	
100	QPSK	270	0		24.20				
100	16QAM	1	1		24.24		25.0	0.0	
100	64QAM	1	1		22.71		23.5	1.5	
100	256QAM	1	1		20.80		21.5	3.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		24.08	24.06	24.23	25.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		24.10	24.11	24.26	25.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		24.21	24.25	24.24	25.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		24.03	24.21	24.07	25.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		24.09	24.11	24.07	25.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		24.13	24.13	24.25	25.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		24.06	24.17	24.25	25.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		24.20	24.22	24.23	25.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		24.21	24.12	24.12	25.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		24.09	24.07	24.16	25.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		24.15	24.09	24.09	25.0	0.0

Part27Q 78 PC3 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		21.53		23.0	0.0	
100	PI/2 BPSK	1	137		22.05				
100	PI/2 BPSK	1	271		21.62				
100	PI/2 BPSK	135	0		21.91		23.0	0.0	
100	PI/2 BPSK	135	69		22.04		23.0	0.0	
100	PI/2 BPSK	135	138		21.96		23.0	0.0	
100	PI/2 BPSK	270	0		22.02				
100	QPSK	1	1		21.58		23.0	0.0	
100	QPSK	1	137		22.18				
100	QPSK	1	271		21.67				
100	QPSK	135	0		21.96		23.0	0.0	
100	QPSK	135	69		22.10		23.0	0.0	
100	QPSK	135	138		22.01		23.0	0.0	
100	QPSK	270	0		21.98				
100	16QAM	1	1		21.48		23.0	0.0	
100	64QAM	1	1		21.52		23.0	0.0	
100	256QAM	1	1		20.47		21.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	21.61	21.61	21.61	23.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	21.64	21.63	21.62	23.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	21.56	21.60	21.53	23.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	21.65	21.59	21.57	23.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	21.58	21.62	21.63	23.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	21.59	21.64	21.57	23.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	21.61	21.57	21.61	23.0	0.0	
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	21.66	21.53	21.52	23.0	0.0	
Channel				630568	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	21.63	21.66	21.62	23.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	21.62	21.65	21.60	23.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	21.64	21.60	21.53	23.0	0.0	

Part27Q 78 PC2 Ant5 DSI0									
BW [MHz]	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					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		24.16		25.0	0.0	
100	PI/2 BPSK	1	137		24.03				
100	PI/2 BPSK	1	271		24.14				
100	PI/2 BPSK	135	0		24.22		25.0	0.0	
100	PI/2 BPSK	135	69		24.24		25.0	0.0	
100	PI/2 BPSK	135	138		24.22		25.0	0.0	
100	PI/2 BPSK	270	0		24.22				
100	QPSK	1	1		24.14		25.0	0.0	
100	QPSK	1	137		24.25				
100	QPSK	1	271		24.13				
100	QPSK	135	0		24.20		24.0	1.0	
100	QPSK	135	69		24.21		25.0	0.0	
100	QPSK	135	138		24.06		25.0	0.0	
100	QPSK	270	0		24.15				
100	16QAM	1	1		24.15		25.0	0.0	
100	64QAM	1	1		22.86		23.5	1.5	
100	256QAM	1	1		20.79		21.5	3.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	24.12	24.12	24.14	25.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	23.98	24.12	24.12	25.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	23.99	23.95	24.00	25.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	24.10	24.13	24.14	25.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	23.99	24.03	24.09	25.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	23.94	24.04	23.96	25.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	24.04	24.01	23.99	25.0	0.0	
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	24.05	23.98	24.17	25.0	0.0	
Channel				630568	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	24.01	24.10	24.06	25.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	24.15	24.05	23.98	25.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	23.97	24.06	24.10	25.0	0.0	

Reduced Power Mode for DSI 0_Main PA DFT-30

n5 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	25.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	24.66	24.69	24.61	25.5	0.0	
20	PI/2 BPSK	1	26	24.54	24.56	24.42			
20	PI/2 BPSK	1	49	24.53	24.61	24.60			
20	PI/2 BPSK	25	0	23.91	24.02	24.01	25.0	0.5	
20	PI/2 BPSK	25	13	24.59	24.65	24.54	25.5	0.0	
20	PI/2 BPSK	25	26	24.12	24.12	24.01	25.0	0.5	
20	PI/2 BPSK	50	0	23.93	24.08	24.02			
20	QPSK	1	1	24.72	24.78	24.64	25.5	0.0	
20	QPSK	1	26	24.73	24.74	24.60			
20	QPSK	1	49	24.69	24.72	24.69			
20	QPSK	25	0	23.69	23.79	23.76	24.5	1.0	
20	QPSK	25	13	24.71	24.76	24.65	25.5	0.0	
20	QPSK	25	26	23.58	23.67	23.56	24.5	1.0	
20	QPSK	50	0	23.58	23.59	23.47			
20	16QAM	1	1	23.42	23.48	23.36	24.5	1.0	
20	64QAM	1	1	22.12	22.12	21.99	23.0	2.5	
20	256QAM	1	1	20.37	20.39	20.25	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.93	24.04	24.01	25.5	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.97	24.11	24.08	25.5	0.0	

n7 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	24.5	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	22.88	22.99	22.95	24.5	0.0	
50	PI/2 BPSK	1	67	22.76	22.83	22.83			
50	PI/2 BPSK	1	131	22.56	22.57	22.58			
50	PI/2 BPSK	64	0	22.56	22.59	22.54	24.0	0.5	
50	PI/2 BPSK	64	35	22.77	22.92	22.86	24.5	0.0	
50	PI/2 BPSK	64	69	22.08	22.14	22.08	24.0	0.5	
50	PI/2 BPSK	128	0	22.29	22.41	22.38			
50	QPSK	1	1	22.98	23.05	22.91	24.5	0.0	
50	QPSK	1	67	22.75	22.87	22.83			
50	QPSK	1	131	22.54	22.53	22.57			
50	QPSK	64	0	22.00	22.11	22.08	23.5	1.0	
50	QPSK	64	35	22.91	22.97	22.93	24.5	0.0	
50	QPSK	64	69	21.71	21.74	21.69	23.5	1.0	
50	QPSK	128	0	21.80	21.90	21.89			
50	16QAM	1	1	21.81	21.87	21.80	23.5	1.0	
50	64QAM	1	1	20.34	20.36	20.33	22.0	2.5	
50	256QAM	1	1	18.92	18.94	18.83	20.0	4.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	22.78	22.93	22.88	24.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.82	22.89	22.87	24.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.74	22.88	22.97	24.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	22.80	22.92	22.94	24.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	22.78	22.89	22.96	24.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.80	23.00	22.96	24.5	0.0	

n38 Ant0 Default											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)			
Channel				518004	519000	519996	24.5	0.0			
Frequency (MHz)				2590.02	2595	2599.98					
40	PI/2 BPSK	1	1	22.53	22.56	22.52					
40	PI/2 BPSK	1	53	22.91	22.97	22.94	24.0	0.5			
40	PI/2 BPSK	1	104	22.52	22.54	22.51					
40	PI/2 BPSK	50	0	22.34	22.38	22.31					
40	PI/2 BPSK	50	28	22.82	22.94	22.82	24.5			0.0	
40	PI/2 BPSK	50	56	22.18	22.32	22.26					
40	PI/2 BPSK	100	0	22.23	22.37	22.33					
40	QPSK	1	1	22.56	22.58	22.54	24.0	0.5			
40	QPSK	1	53	22.88	23.02	22.97					
40	QPSK	1	104	22.55	22.53	22.51					
40	QPSK	50	0	21.74	21.87	21.76	23.5	1.0			
40	QPSK	50	28	22.90	22.98	22.91					
40	QPSK	50	56	21.75	21.82	21.67					
40	QPSK	100	0	21.77	21.85	21.75	23.5	1.0			
40	16QAM	1	1	21.53	21.61	21.56					
40	64QAM	1	1	20.18	20.29	20.26					
40	256QAM	1	1	18.36	18.42	18.31	22.0	2.5			
Channel				517002	519000	520998					
Frequency (MHz)				2585.01	2595	2604.99					
30	QPSK	1	1	22.55	22.52	22.53	24.5	0.0			
Channel				516504	519000	521496					
Frequency (MHz)				2582.52	2595	2607.48					
25	QPSK	1	1	22.61	22.54	22.51	24.5	0.0			
Channel				516000	519000	522000					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	1	22.52	22.56	22.54	24.5	0.0			
Channel				515502	519000	522498					
Frequency (MHz)				2577.51	2595	2612.49					
15	QPSK	1	1	22.57	22.51	22.56	24.5	0.0			
Channel				515004	519000	522996					
Frequency (MHz)				2575.02	2595	2614.98					
10	QPSK	1	1	22.51	22.52	22.60	24.5	0.0			

n41 Ant0 Default											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				509202	518598	528000	24.5	0.0			
Frequency (MHz)				2546.01	2592.99	2640					
100	PI/2 BPSK	1	1	22.52	22.56	22.51					
100	PI/2 BPSK	1	137	22.94	23.05	23.00	24.0	0.5			
100	PI/2 BPSK	1	271	22.58	22.54	22.55					
100	PI/2 BPSK	135	0	22.35	22.42	22.38					
100	PI/2 BPSK	135	69	22.92	23.00	22.93	24.5				
100	PI/2 BPSK	135	138	22.17	22.30	22.22					
100	PI/2 BPSK	270	0	22.35	22.39	22.26					
100	QPSK	1	1	22.56	22.63	22.51	24.5	0.0			
100	QPSK	1	137	22.97	23.11	23.05					
100	QPSK	1	271	22.54	22.51	22.52					
100	QPSK	135	0	21.82	21.92	21.87	23.5				
100	QPSK	135	69	22.97	23.08	23.05					
100	QPSK	135	138	21.78	21.83	21.82					
100	QPSK	270	0	21.86	21.88	21.86	23.5				
100	16QAM	1	1	21.59	21.52	21.56					
100	64QAM	1	1	20.06	20.10	20.01	22.0				
100	256QAM	1	1	18.06	18.11	18.03					
Channel				508200	518598	528998	24.5	0.0			
Frequency (MHz)				2541	2592.99	2644.98					
90	QPSK	1	1	22.56	22.66	22.56					
Channel				507204	518598	529998	24.5	0.0			
Frequency (MHz)				2536.02	2592.99	2649.99					
80	QPSK	1	1	22.61	22.62	22.54					
Channel				506202	518598	531000	24.5	0.0			
Frequency (MHz)				2531.01	2592.99	2655					
70	QPSK	1	1	22.64	22.64	22.53					
Channel				505200	518598	531998	24.5	0.0			
Frequency (MHz)				2526	2592.99	2659.98					
60	QPSK	1	1	22.59	22.66	22.53					
Channel				504204	518598	532998	24.5	0.0			
Frequency (MHz)				2521.02	2592.99	2664.99					
50	QPSK	1	1	22.55	22.72	22.53					
Channel				503202	518598	534000	24.5	0.0			
Frequency (MHz)				2516.01	2592.99	2670					
40	QPSK	1	1	22.64	22.61	22.47					
Channel				502200	518598	534998	24.5	0.0			
Frequency (MHz)				2511	2592.99	2674.98					
30	QPSK	1	1	22.54	22.71	22.58					
Channel				501204	518598	535998	24.5	0.0			
Frequency (MHz)				2506.02	2592.99	2679.99					
20	QPSK	1	1	22.55	22.68	22.56					
Channel				500700	518598	536498	24.5	0.0			
Frequency (MHz)				2503.5	2592.99	2682.48					
15	QPSK	1	1	22.51	22.73	22.47					
Channel				500202	518598	537000	24.5	0.0			
Frequency (MHz)				2501.01	2592.99	2685					
10	QPSK	1	1	22.63	22.59	22.51					

n5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	25.7	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	24.01	24.11	24.06			
20	PI/2 BPSK	1	26	23.89	24.00	23.90			
20	PI/2 BPSK	1	49	24.00	24.07	23.99	25.2	0.5	
20	PI/2 BPSK	25	0	23.58	23.68	23.57			
20	PI/2 BPSK	25	13	23.91	24.04	23.91			
20	PI/2 BPSK	25	26	23.72	23.81	23.77			
20	PI/2 BPSK	50	0	23.67	23.71	23.65	25.7	0.0	
20	QPSK	1	1	24.06	24.13	23.99			
20	QPSK	1	26	23.95	24.06	24.00			
20	QPSK	1	49	23.96	24.08	24.02			
20	QPSK	25	0	23.00	23.07	23.00	24.7	1.0	
20	QPSK	25	13	24.04	24.12	24.01			
20	QPSK	25	26	23.09	23.21	23.12			
20	QPSK	50	0	23.16	23.20	23.08			
20	16QAM	1	1	22.90	22.93	22.81	24.7	1.0	
20	64QAM	1	1	21.41	21.51	21.39			
20	256QAM	1	1	19.69	19.77	19.69			
Channel				166800	167300	167800		Tune-up limit (dBm)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.96	24.09	23.90	25.7	0.0	
Channel				166800	167300	167800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.93	24.05	23.93		25.7	

n7 Ant1 DSI0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	21.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	19.77	19.90	19.62			
50	PI/2 BPSK	1	67	19.84	19.90	19.62			
50	PI/2 BPSK	1	131	19.82	19.98	19.69	21.0	0.0	
50	PI/2 BPSK	64	0	19.74	19.96	19.80			
50	PI/2 BPSK	64	35	19.72	19.87	19.82			
50	PI/2 BPSK	64	69	19.79	19.96	19.61			
50	PI/2 BPSK	128	0	19.75	20.02	19.74	21.0	0.0	
50	QPSK	1	1	19.88	20.06	19.80			
50	QPSK	1	67	19.67	20.05	19.69			
50	QPSK	1	131	19.70	19.90	19.81			
50	QPSK	64	0	19.87	19.91	19.74	21.0	0.0	
50	QPSK	64	35	19.84	19.94	19.75			
50	QPSK	64	69	19.86	19.89	19.68			
50	QPSK	128	0	19.84	20.03	19.77			
50	16QAM	1	1	19.80	20.04	19.79	21.0	0.0	
50	64QAM	1	1	19.69	19.87	19.68			
50	256QAM	1	1	19.38	19.62	19.40			
Channel				508000	507000	510000		Tune-up limit (dBm)	
Frequency (MHz)				2530	2535	2550			
40	QPSK	1	1	19.87	19.85	19.70	21.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.69	19.86	19.68	21.0	0.0	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.79	19.90	19.65	21.0	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	19.66	20.06	19.80	21.0	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.88	20.03	19.70	21.0	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	19.87	20.02	19.82		21.0	

n38 Ant1 DSI0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	21.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	20.14	20.34	20.26			
40	PI/2 BPSK	1	53	20.23	20.28	20.27			
40	PI/2 BPSK	1	104	20.15	20.27	20.11	21.5	0.0	
40	PI/2 BPSK	50	0	20.36	20.30	20.18			
40	PI/2 BPSK	50	28	20.31	20.22	20.20			
40	PI/2 BPSK	50	56	20.23	20.27	20.12			
40	PI/2 BPSK	100	0	20.33	20.38	20.14	21.5	0.0	
40	QPSK	1	1	20.24	20.19	20.03			
40	QPSK	1	53	20.35	20.40	20.25			
40	QPSK	1	104	20.22	20.29	20.23			
40	QPSK	50	0	20.16	20.30	20.25	21.5	0.0	
40	QPSK	50	28	20.33	20.35	20.17	21.5	0.0	
40	QPSK	50	56	20.14	20.20	20.23	21.5	0.0	
40	QPSK	100	0	20.36	20.37	20.11			
40	16QAM	1	1	20.21	20.23	20.09	21.5	0.0	
40	64QAM	1	1	20.20	20.36	20.03	21.5	0.0	
40	256QAM	1	1	19.80	19.86	19.75	21.0	0.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	21.5	0.0	
30	QPSK	1	1	20.19	20.24	20.26			
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	20.28	20.38	20.26	21.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	21.5	0.0	
20	QPSK	1	1	20.34	20.39	20.26			
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	20.27	20.32	20.06	21.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	21.5	0.0	
10	QPSK	1	1	20.16	20.37	20.21			

n41 Ant1 DSI0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	20.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.27	19.45	19.27			
100	PI/2 BPSK	1	137	19.46	19.34	19.22			
100	PI/2 BPSK	1	271	19.39	19.43	19.22	20.5	0.0	
100	PI/2 BPSK	135	0	19.38	19.31	19.31			
100	PI/2 BPSK	135	69	19.42	19.40	19.34			
100	PI/2 BPSK	135	138	19.29	19.49	19.33			
100	PI/2 BPSK	270	0	19.43	19.41	19.27	20.5	0.0	
100	QPSK	1	1	19.26	19.41	19.24			
100	QPSK	1	137	19.33	19.50	19.19			
100	QPSK	1	271	19.28	19.27	19.22			
100	QPSK	135	0	19.43	19.36	19.20	20.5	0.0	
100	QPSK	135	69	19.37	19.44	19.15	20.5	0.0	
100	QPSK	135	138	19.29	19.35	19.20	20.5	0.0	
100	QPSK	270	0	19.42	19.43	19.32			
100	16QAM	1	1	19.30	19.32	19.20	20.5	0.0	
100	64QAM	1	1	19.30	19.40	19.28	20.5	0.0	
100	256QAM	1	1	19.37	19.48	19.18	20.5	0.0	
Channel				508200	518598	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	20.5	0.0	
90	QPSK	1	1	19.28	19.47	19.36			
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	19.30	19.34	19.22	20.5	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	20.5	0.0	
70	QPSK	1	1	19.44	19.35	19.29			
Channel				505200	518598	531998			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	19.40	19.43	19.20	20.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	20.5	0.0	
50	QPSK	1	1	19.40	19.44	19.18			
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	19.35	19.27	19.31	20.5	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	20.5	0.0	
30	QPSK	1	1	19.43	19.41	19.31			
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.46	19.29	19.25	20.5	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	20.5	0.0	
15	QPSK	1	1	19.34	19.31	19.25			
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	19.39	19.49	19.32	20.5	0.0	

n7 Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	19.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	17.51	17.60	17.31		
50	PI/2 BPSK	1	67	17.51	17.70	17.46	19.0	0.0
50	PI/2 BPSK	1	131	17.56	17.70	17.33		
50	PI/2 BPSK	64	0	17.53	17.67	17.34		
50	PI/2 BPSK	64	35	17.57	17.65	17.43	19.0	0.0
50	PI/2 BPSK	64	69	17.57	17.69	17.30	19.0	0.0
50	PI/2 BPSK	128	0	17.55	17.64	17.44	19.0	0.0
50	QPSK	1	1	17.61	17.80	17.51		
50	QPSK	1	67	17.49	17.60	17.40		
50	QPSK	1	131	17.46	17.63	17.39	19.0	0.0
50	QPSK	64	0	17.56	17.74	17.51		
50	QPSK	64	35	17.58	17.75	17.51		
50	QPSK	64	69	17.62	17.72	17.47	19.0	0.0
50	QPSK	128	0	17.51	17.62	17.40		
50	16QAM	1	1	17.45	17.68	17.36	19.0	0.0
50	64QAM	1	1	17.44	17.58	17.33	19.0	0.0
50	256QAM	1	1	17.45	17.70	17.41	19.0	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550	19.0	0.0
40	QPSK	1	1	17.52	17.65	17.40		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	19.0	0.0
30	QPSK	1	1	17.41	17.76	17.47		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	19.0	0.0
25	QPSK	1	1	17.57	17.69	17.37		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	19.0	0.0
20	QPSK	1	1	17.40	17.66	17.53		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	19.0	0.0
15	QPSK	1	1	17.49	17.63	17.53		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	19.0	0.0
10	QPSK	1	1	17.52	17.67	17.50		

n38 Ant2 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	21.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.19	19.17	19.15		
40	PI/2 BPSK	1	53	19.29	19.20	19.15		
40	PI/2 BPSK	1	104	19.20	19.23	19.01	21.0	0.0
40	PI/2 BPSK	50	0	19.30	19.14	19.22		
40	PI/2 BPSK	50	28	19.14	19.34	19.16		
40	PI/2 BPSK	50	56	19.13	19.30	19.08		
40	PI/2 BPSK	100	0	19.13	19.30	19.08	21.0	0.0
40	QPSK	1	1	19.11	19.17	19.13		
40	QPSK	1	53	19.14	19.35	19.19		
40	QPSK	1	104	19.11	19.28	19.11		
40	QPSK	50	0	19.04	19.26	19.16	21.0	0.0
40	QPSK	50	28	19.04	19.30	19.02		
40	QPSK	50	56	19.29	19.28	19.06		
40	QPSK	100	0	19.10	19.25	19.21		
40	16QAM	1	1	19.14	19.31	19.17	21.0	0.0
40	64QAM	1	1	19.04	19.21	19.29		
40	256QAM	1	1	18.70	18.86	18.70		
40	256QAM	1	1	18.70	18.86	18.70		
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	19.20	19.32	19.03	21.0	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	19.13	19.19	19.33	21.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	19.17	19.15	19.06	21.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	19.05	19.30	19.13	21.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	19.33	19.20	19.01	21.0	0.0

n41 Ant2 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	19.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.13	18.19	17.93		
100	PI/2 BPSK	1	137	18.23	18.41	17.89		
100	PI/2 BPSK	1	271	18.06	18.28	18.06	19.5	0.0
100	PI/2 BPSK	135	0	18.16	18.26	17.91		
100	PI/2 BPSK	135	69	18.09	18.39	17.98		
100	PI/2 BPSK	135	138	18.09	18.23	17.90		
100	PI/2 BPSK	270	0	18.05	18.33	18.07	19.5	0.0
100	QPSK	1	1	18.05	18.33	17.96		
100	QPSK	1	137	18.22	18.41	18.07		
100	QPSK	1	271	18.01	18.23	17.86		
100	QPSK	135	0	18.07	18.35	18.08	19.5	0.0
100	QPSK	135	69	18.19	18.42	17.94		
100	QPSK	135	138	18.09	18.34	17.87		
100	QPSK	270	0	18.01	18.38	17.91		
100	16QAM	1	1	18.10	18.32	18.01	19.5	0.0
100	64QAM	1	1	18.04	18.38	17.99		
100	256QAM	1	1	18.17	18.22	18.04		
100	256QAM	1	1	18.17	18.22	18.04		
Channel				509200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.24	18.29	18.03	19.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.23	18.20	18.09	19.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.09	18.39	18.02	19.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.05	18.35	17.93	19.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.06	18.24	17.99	19.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.08	18.40	18.04	19.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.02	18.41	17.88	19.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.07	18.25	17.93	19.5	0.0
Channel				500700	518598	536996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	18.15	18.34	17.86	19.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.01	18.36	18.04	19.5	0.0

Par270 n77 Ant2 DSI0									
BW [MHz]	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	656000	662000	16.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	14.61	14.91	14.87			
100	PI/2 BPSK	1	137	14.76	14.86	14.86			
100	PI/2 BPSK	1	271	14.65	14.61	14.83	16.0	0.0	
100	PI/2 BPSK	135	0	14.68	14.95	14.84			
100	PI/2 BPSK	135	69	14.70	14.71	14.78			
100	PI/2 BPSK	135	138	14.60	15.01	14.74			
100	PI/2 BPSK	270	0	14.61	14.95	14.95	16.0	0.0	
100	QPSK	1	1	14.73	14.88	14.77			
100	QPSK	1	137	14.75	15.07	14.93			
100	QPSK	1	271	14.62	15.01	14.91			
100	QPSK	135	0	14.71	14.65	14.79	16.0	0.0	
100	QPSK	135	69	14.66	14.85	14.77			
100	QPSK	135	138	14.65	14.58	14.71			
100	QPSK	270	0	14.67	14.85	14.69			
100	16QAM	1	1	14.74	14.86	14.90	16.0	0.0	
100	64QAM	1	1	14.61	15.05	14.88			
100	256QAM	1	1	14.57	14.90	14.84			
100	256QAM	1	1	14.57	14.90	14.84			
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	16.0	0.0	
90	QPSK	1	1	14.65	15.04	14.84			
Channel				649334	656000	662668		Tune-up limit (dBm)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	14.62	14.96	14.80		16.0	
Channel				649000	656000	663000		Tune-up limit (dBm)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	14.69	15.05	14.85		16.0	
Channel				648668	656000	663334		Tune-up limit (dBm)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	14.55	15.06	14.88		16.0	
Channel				648334	656000	663668		Tune-up limit (dBm)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	14.64	14.99	14.79		16.0	
Channel				648000	656000	664000		Tune-up limit (dBm)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	14.75	15.07	14.75		16.0	
Channel				647668	656000	664334		Tune-up limit (dBm)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	14.70	15.08	14.77		16.0	
Channel				647500	656000	664500		Tune-up limit (dBm)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	14.56	14.91	14.94		16.0	
Channel				647334	656000	664668		Tune-up limit (dBm)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	14.69	14.95	14.89		16.0	
Channel				647168	656000	664834		Tune-up limit (dBm)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	14.54	14.97	14.79		16.0	
Channel				647000	656000	665000		Tune-up limit (dBm)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	14.64	14.86	14.72		16.0	

Part27Q n77 Ant2 DSI0									
BW [MHz]	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		3900.01	16.0	0.0	
Frequency (MHz)				3900.01		15.42			
100	PI/2 BPSK	1	1	15.42		15.27			
100	PI/2 BPSK	1	137	15.27		15.42			
100	PI/2 BPSK	1	271	15.42		15.29	16.0	0.0	
100	PI/2 BPSK	135	0	15.29		15.42			
100	PI/2 BPSK	135	69	15.42		15.27			
100	PI/2 BPSK	135	138	15.27		15.42			
100	PI/2 BPSK	270	0	15.42		15.22	16.0	0.0	
100	QPSK	1	1	15.41		15.41			
100	QPSK	1	137	15.45		15.44			
100	QPSK	1	271	15.44		15.36		16.0	
100	QPSK	135	0	15.36		15.41			
100	QPSK	135	69	15.41		15.37			
100	QPSK	135	138	15.37		15.28		16.0	
100	QPSK	270	0	15.28		15.33			
100	16QAM	1	1	15.33		15.43			
100	64QAM	1	1	15.43		15.43		16.0	
100	256QAM	1	1	15.43		15.43			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3900.01	3905.02	16.0	0.0	
90	QPSK	1	1	15.29	15.25	15.39			
Channel				632668	633334	634000		Tune-up limit (dBm)	
Frequency (MHz)				3490.02	3900.01	3510			
80	QPSK	1	1	15.39	15.40	15.23		16.0	
Channel				632334	633334	634334		Tune-up limit (dBm)	
Frequency (MHz)				3485.01	3900.01	3515.01			
70	QPSK	1	1	15.36	15.41	15.26		16.0	
Channel				632000	633334	634668		Tune-up limit (dBm)	
Frequency (MHz)				3480	3900.01	3520.02			
60	QPSK	1	1	15.20	15.29	15.40		16.0	
Channel				631668	633334	635000		Tune-up limit (dBm)	
Frequency (MHz)				3475.02	3900.01	3525			
50	QPSK	1	1	15.33	15.41	15.33		16.0	
Channel				631334	633334	635334		Tune-up limit (dBm)	
Frequency (MHz)				3470.01	3900.01	3530.01			
40	QPSK	1	1	15.37	15.37	15.31		16.0	
Channel				631000	633334	635668		Tune-up limit (dBm)	
Frequency (MHz)				3465	3900.01	3535.02			
30	QPSK	1	1	15.21	15.24	15.28		16.0	
Channel				630634	633334	635834		Tune-up limit (dBm)	
Frequency (MHz)				3462.51	3900.01	3537.51			
25	QPSK	1	1	15.20	15.39	15.22		16.0	
Channel				630668	633334	636000		Tune-up limit (dBm)	
Frequency (MHz)				3460.02	3900.01	3540			
20	QPSK	1	1	15.28	15.32	15.34		16.0	
Channel				630500	633334	636168		Tune-up limit (dBm)	
Frequency (MHz)				3457.5	3900.01	3542.52			
15	QPSK	1	1	15.41	15.25	15.27		16.0	
Channel				630334	633334	636334		Tune-up limit (dBm)	
Frequency (MHz)				3455.01	3900.01	3545.01			
10	QPSK	1	1	15.27	15.41	15.29		16.0	

Part270 n78 PC2/3 Ant2 DSI0									
BW [MHz]	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	17.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		16.12				
100	PI/2 BPSK	1	137		16.25				
100	PI/2 BPSK	1	271		16.23		17.0	0.0	
100	PI/2 BPSK	135	0		16.25				
100	PI/2 BPSK	135	69		16.20				
100	PI/2 BPSK	135	138		16.21				
100	PI/2 BPSK	270	0		16.20		17.0	0.0	
100	QPSK	1	1		16.07				
100	QPSK	1	137		16.30				
100	QPSK	1	271		16.04				
100	QPSK	135	0		16.20		17.0	0.0	
100	QPSK	135	69		16.21				
100	QPSK	135	138		16.16				
100	QPSK	270	0		16.26				
100	16QAM	1	1		16.18		17.0	0.0	
100	64QAM	1	1		16.23				
100	256QAM	1	1		16.18				
Channel				649668	650000	650334	17.0	0.0	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		15.91	16.03		17.0	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		16.00	15.97	17.0	0.0	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		16.00	15.89	17.0	0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		15.94	15.89	17.0	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		15.94	15.95	17.0	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		15.92	15.98	17.0	0.0	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		15.98	15.93	17.0	0.0	
Channel				647500	650000	652500			
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		15.99	16.07	17.0	0.0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		15.95	15.87	17.0	0.0	
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		15.86	15.98	17.0	0.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		15.89	15.99	17.0	0.0	

Part27Q 78 PC2/3 Ant2 DSI0									
BW [MHz]	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		17.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		16.32				
100	PI/2 BPSK	1	137		16.40				
100	PI/2 BPSK	1	271		16.44		17.0	0.0	
100	PI/2 BPSK	135	0		16.33				
100	PI/2 BPSK	135	69		16.29				
100	PI/2 BPSK	135	138		16.31				
100	PI/2 BPSK	270	0		16.23		17.0	0.0	
100	QPSK	1	1		16.45				
100	QPSK	1	137		16.46				
100	QPSK	1	271		16.27				
100	QPSK	135	0		16.41		17.0	0.0	
100	QPSK	135	69		16.43				
100	QPSK	135	138		16.29				
100	QPSK	270	0		16.43				
100	16QAM	1	1		16.29		17.0	0.0	
100	64QAM	1	1		16.40				
100	256QAM	1	1		16.41				
Channel				633000	633334	633668	17.0	0.0	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		16.29	16.36		17.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		16.24	16.20	17.0	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		16.22	16.34	17.0	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		16.28	16.27	17.0	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		16.19	16.12	17.0	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		16.27	16.27	17.0	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		16.20	16.31	17.0	0.0	
Channel				630834	633334	635834			
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		16.34	16.20	17.0	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		16.32	16.14	17.0	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		16.32	16.32	17.0	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		16.25	16.29	17.0	0.0	

Par270 n77 Ant3 DSI0									
BW [MHz]	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	656000	662000	16.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.19	15.25	15.21			
100	PI/2 BPSK	1	137	15.19	15.44	15.18			
100	PI/2 BPSK	1	271	15.28	15.35	15.27	16.0	0.0	
100	PI/2 BPSK	135	0	15.23	15.41	15.32			
100	PI/2 BPSK	135	69	15.26	15.25	15.35			
100	PI/2 BPSK	135	138	15.13	15.40	15.28			
100	PI/2 BPSK	270	0	15.28	15.36	15.22	16.0	0.0	
100	QPSK	1	1	15.23	15.44	15.38			
100	QPSK	1	137	15.28	15.45	15.37			
100	QPSK	1	271	15.27	15.36	15.22			
100	QPSK	135	0	15.07	15.32	15.34	16.0	0.0	
100	QPSK	135	69	15.14	15.43	15.35			
100	QPSK	135	138	15.14	15.40	15.39			
100	QPSK	270	0	15.24	15.45	15.34			
100	16QAM	1	1	15.27	15.44	15.31	16.0	0.0	
100	64QAM	1	1	15.19	15.39	15.22			
100	256QAM	1	1	15.07	15.35	15.17			
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	16.0	0.0	
90	QPSK	1	1	15.28	15.40	15.20	16.0	0.0	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.08	15.45	15.27		0.0	
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	16.0	0.0	
70	QPSK	1	1	15.19	15.37	15.24	16.0	0.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.10	15.36	15.21		0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	16.0	0.0	
50	QPSK	1	1	15.08	15.40	15.36	16.0	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.22	15.25	15.35		0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	16.0	0.0	
30	QPSK	1	1	15.11	15.26	15.27	16.0	0.0	
Channel				647500	656000	664500			
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	15.16	15.33	15.28		0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	16.0	0.0	
20	QPSK	1	1	15.09	15.32	15.20	16.0	0.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	15.12	15.24	15.27		0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	16.0	0.0	
10	QPSK	1	1	15.16	15.45	15.32	16.0	0.0	

Part27Q n77 Ant3 DSI0									
BW [MHz]	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	16.0	0.0	
Frequency (MHz)						3500.01			
100	PI/2 BPSK	1	1			15.33			
100	PI/2 BPSK	1	137			15.41			
100	PI/2 BPSK	1	271			15.29	16.0	0.0	
100	PI/2 BPSK	135	0			15.29			
100	PI/2 BPSK	135	69			15.34			
100	PI/2 BPSK	135	138			15.30			
100	PI/2 BPSK	270	0			15.31	16.0	0.0	
100	QPSK	1	1			15.30			
100	QPSK	1	137			15.45			
100	QPSK	1	271			15.32			
100	QPSK	135	0			15.33	16.0	0.0	
100	QPSK	135	69			15.35			
100	QPSK	135	138			15.30			
100	QPSK	270	0			15.34			
100	16QAM	1	1			15.36	16.0	0.0	
100	64QAM	1	1			15.36			
100	256QAM	1	1			15.25			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	16.0	0.0	
90	QPSK	1	1	15.22	15.39	15.17	16.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	15.23	15.18	15.36		0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	16.0	0.0	
70	QPSK	1	1	15.36	15.39	15.38	16.0	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	15.36	15.19	15.24		0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	16.0	0.0	
50	QPSK	1	1	15.30	15.15	15.35	16.0	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	15.17	15.29	15.18		0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	16.0	0.0	
30	QPSK	1	1	15.17	15.17	15.32	16.0	0.0	
Channel				630834	633334	635834			
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	15.20	15.35	15.35		0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	16.0	0.0	
20	QPSK	1	1	15.23	15.25	15.29	16.0	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	15.20	15.16	15.30		0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	16.0	0.0	
10	QPSK	1	1	15.27	15.18	15.38	16.0	0.0	

Part270 n78 PC2/3 Ant3 DSI0										
BW [MHz]	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	17.0	0.0		
Frequency (MHz)				3750	3750	3750				
100	PI/2 BPSK	1	1		15.96					
100	PI/2 BPSK	1	137		16.00					
100	PI/2 BPSK	1	271		15.99		17.0	0.0		
100	PI/2 BPSK	135	0		15.90					
100	PI/2 BPSK	135	69		15.93					
100	PI/2 BPSK	135	138		15.97					
100	PI/2 BPSK	270	0		15.94		17.0	0.0		
100	QPSK	1	1		15.81					
100	QPSK	1	137		16.02					
100	QPSK	1	271		15.86					
100	QPSK	135	0		15.90		17.0	0.0		
100	QPSK	135	69		16.00					
100	QPSK	135	138		15.80					
100	QPSK	270	0		15.99					
100	16QAM	1	1		15.94		17.0	0.0		
100	64QAM	1	1		15.93					
100	256QAM	1	1		15.97					
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3755.01				
90	QPSK	1	1		15.93	15.75	15.82	17.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3750	3760.02				
80	QPSK	1	1		15.85	15.89	15.83	17.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3750	3765				
70	QPSK	1	1		15.93	15.75	15.75	17.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.02	3750	3770.01				
60	QPSK	1	1		15.84	15.77	15.92	17.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3750	3775.02				
50	QPSK	1	1		15.96	15.78	15.85	17.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3750	3780				
40	QPSK	1	1		15.91	15.82	15.91	17.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3715.02	3750	3785.01				
30	QPSK	1	1		15.97	15.75	15.88	17.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3712.5	3750	3787.5				
25	QPSK	1	1		15.81	15.92	15.93	17.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3750	3790.02				
20	QPSK	1	1		15.79	15.91	15.89	17.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3750	3792.51				
15	QPSK	1	1		15.77	15.97	15.95	17.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705	3750	3795				
10	QPSK	1	1		15.95	15.76	15.78	17.0	0.0	

Part27Q 78 PC2/3 Ant3 DSI0									
BW [MHz]	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		17.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		16.12				
100	PI/2 BPSK	1	137		16.29				
100	PI/2 BPSK	1	271		16.30		17.0	0.0	
100	PI/2 BPSK	135	0		16.12				
100	PI/2 BPSK	135	69		16.20				
100	PI/2 BPSK	135	138		16.17				
100	PI/2 BPSK	270	0		16.19		17.0	0.0	
100	QPSK	1	1		16.15				
100	QPSK	1	137		16.31				
100	QPSK	1	271		16.28				
100	QPSK	135	0		16.27		17.0	0.0	
100	QPSK	135	69		16.30				
100	QPSK	135	138		16.11				
100	QPSK	270	0		16.13				
100	16QAM	1	1		16.28		17.0	0.0	
100	64QAM	1	1		16.30				
100	256QAM	1	1		16.12				
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	15.94	16.07	15.92	17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	16.05	15.91	16.06	17.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	16.12	16.07	15.91	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	16.09	16.10	16.09	17.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	16.05	16.00	15.98	17.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	15.93	15.94	15.98	17.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	16.12	16.04	16.01	17.0	0.0	
Channel				630834	633334	635834	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	16.00	16.01	16.13	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	16.01	15.92	16.06	17.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	15.98	15.95	16.12	17.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	16.05	16.06	16.08	17.0	0.0	

Par270 n77 Ant4 DSI0									
BW [MHz]	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	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.39	15.52	15.57	15.7	0.0	
100	PI/2 BPSK	1	137	15.45	15.42	15.41			
100	PI/2 BPSK	1	271	15.42	15.49	15.37			
100	PI/2 BPSK	135	0	15.48	15.51	15.44	15.7	0.0	
100	PI/2 BPSK	135	69	15.55	15.59	15.38	15.7	0.0	
100	PI/2 BPSK	135	138	15.50	15.49	15.57	15.7	0.0	
100	PI/2 BPSK	270	0	15.55	15.55	15.39			
100	QPSK	1	1	15.40	15.47	15.37			
100	QPSK	1	137	15.55	15.61	15.58	15.7	0.0	
100	QPSK	1	271	15.56	15.48	15.40			
100	QPSK	135	0	15.44	15.55	15.38			
100	QPSK	135	69	15.42	15.56	15.42	15.7	0.0	
100	QPSK	135	138	15.53	15.52	15.53	15.7	0.0	
100	QPSK	270	0	15.45	15.55	15.53			
100	16QAM	1	1	15.50	15.54	15.59	15.7	0.0	
100	64QAM	1	1	15.38	15.45	15.47	15.7	0.0	
100	256QAM	1	1	15.34	15.50	15.45	15.7	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	15.7	0.0	
90	QPSK	1	1	15.40	15.57	15.39	15.7	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	15.7	0.0	
80	QPSK	1	1	15.46	15.50	15.41	15.7	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	15.7	0.0	
70	QPSK	1	1	15.46	15.50	15.47	15.7	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	15.7	0.0	
60	QPSK	1	1	15.49	15.50	15.42	15.7	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	15.7	0.0	
50	QPSK	1	1	15.41	15.59	15.51	15.7	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	15.7	0.0	
40	QPSK	1	1	15.42	15.58	15.51	15.7	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	15.7	0.0	
30	QPSK	1	1	15.43	15.40	15.50	15.7	0.0	
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	15.7	0.0	
25	QPSK	1	1	15.46	15.44	15.36	15.7	0.0	
Channel				647234	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	15.7	0.0	
20	QPSK	1	1	15.40	15.42	15.42	15.7	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	15.7	0.0	
15	QPSK	1	1	15.36	15.57	15.51	15.7	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	15.7	0.0	
10	QPSK	1	1	15.40	15.42	15.43	15.7	0.0	

Part27Q n77 Ant4 DSI0									
BW [MHz]	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	633334				
Frequency (MHz)				3900.01	3900.01				
100	PI/2 BPSK	1	1		15.50		15.7	0.0	
100	PI/2 BPSK	1	137		15.53				
100	PI/2 BPSK	1	271		15.52				
100	PI/2 BPSK	135	0		15.63		15.7	0.0	
100	PI/2 BPSK	135	69		15.63		15.7	0.0	
100	PI/2 BPSK	135	138		15.51		15.7	0.0	
100	PI/2 BPSK	270	0		15.48		15.7	0.0	
100	QPSK	1	1		15.56		15.7	0.0	
100	QPSK	1	137		15.65				
100	QPSK	1	271		15.64				
100	QPSK	135	0		15.54		15.7	0.0	
100	QPSK	135	69		15.61		15.7	0.0	
100	QPSK	135	138		15.60		15.7	0.0	
100	QPSK	270	0		15.57				
100	16QAM	1	1		15.54		15.7	0.0	
100	64QAM	1	1		15.45		15.7	0.0	
100	256QAM	1	1		15.59		15.7	0.0	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02	15.7	0.0	
90	QPSK	1	1	15.45	15.47	15.64	15.7	0.0	
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510	15.7	0.0	
80	QPSK	1	1	15.49	15.47	15.63	15.7	0.0	
Channel				632334	633334	634334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3515.01	15.7	0.0	
70	QPSK	1	1	15.51	15.56	15.52	15.7	0.0	
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02	15.7	0.0	
60	QPSK	1	1	15.65	15.62	15.55	15.7	0.0	
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525	15.7	0.0	
50	QPSK	1	1	15.64	15.56	15.60	15.7	0.0	
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01	15.7	0.0	
40	QPSK	1	1	15.49	15.51	15.66	15.7	0.0	
Channel				631000	633334	635668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3535.02	15.7	0.0	
30	QPSK	1	1	15.57	15.56	15.48	15.7	0.0	
Channel				630834	633334	635834	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3462.51	3500.01	3537.51	15.7	0.0	
25	QPSK	1	1	15.48	15.50	15.61	15.7	0.0	
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540	15.7	0.0	
20	QPSK	1	1	15.54	15.46	15.49	15.7	0.0	
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52	15.7	0.0	
15	QPSK	1	1	15.56	15.51	15.54	15.7	0.0	
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01	15.7	0.0	
10	QPSK	1	1	15.63	15.43	15.64	15.7	0.0	

Part270 n78 PC2/3 Ant4 DSI0									
BW [MHz]	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	17.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		16.60				
100	PI/2 BPSK	1	137		16.49		17.0	0.0	
100	PI/2 BPSK	1	271		16.59				
100	PI/2 BPSK	135	0		16.53				
100	PI/2 BPSK	135	69		16.61		17.0	0.0	
100	PI/2 BPSK	135	138		16.60		17.0	0.0	
100	PI/2 BPSK	270	0		16.51				
100	QPSK	1	1		16.43				
100	QPSK	1	137		16.65		17.0	0.0	
100	QPSK	1	271		16.50				
100	QPSK	135	0		16.43				
100	QPSK	135	69		16.60		17.0	0.0	
100	QPSK	135	138		16.58		17.0	0.0	
100	QPSK	270	0		16.52				
100	16QAM	1	1		16.54		17.0	0.0	
100	64QAM	1	1		16.47		17.0	0.0	
100	256QAM	1	1		16.52		17.0	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	16.52	16.54	16.51	17.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	16.53	16.41	16.39	17.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	16.37	16.49	16.51	17.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	16.47	16.36	16.53	17.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	16.45	16.39	16.43	17.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	16.54	16.35	16.57	17.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	16.57	16.39	16.55	17.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	16.34	16.34	16.48	17.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	16.37	16.37	16.55	17.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	16.49	16.40	16.40	17.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	16.40	16.53	16.44	17.0	0.0	

Part27Q 78 PC2/3 Ant4 DSI0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					3600.01		17.0	0.0	
Frequency (MHz)					3600.01				
100	PI/2 BPSK	1	1		16.68				
100	PI/2 BPSK	1	137		16.57		17.0	0.0	
100	PI/2 BPSK	1	271		16.68				
100	PI/2 BPSK	135	0		16.58				
100	PI/2 BPSK	135	69		16.63		17.0	0.0	
100	PI/2 BPSK	135	138		16.55		17.0	0.0	
100	PI/2 BPSK	270	0		16.70				
100	QPSK	1	1		16.56				
100	QPSK	1	137		16.75		17.0	0.0	
100	QPSK	1	271		16.61				
100	QPSK	135	0		16.70				
100	QPSK	135	69		16.72		17.0	0.0	
100	QPSK	135	138		16.68		17.0	0.0	
100	QPSK	270	0		16.64				
100	16QAM	1	1		16.69		17.0	0.0	
100	64QAM	1	1		16.67		17.0	0.0	
100	256QAM	1	1		16.62		17.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	16.35	16.49	16.40	17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	16.51	16.53	16.52	17.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	16.48	16.34	16.38	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	16.33	16.55	16.39	17.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	16.32	16.41	16.48	17.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	16.40	16.56	16.50	17.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	16.42	16.46	16.49	17.0	0.0	
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	16.35	16.55	16.42	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	16.36	16.37	16.48	17.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	16.34	16.37	16.40	17.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	16.38	16.35	16.55	17.0	0.0	

n7 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	25.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	23.81	23.92	23.88		
50	PI/2 BPSK	1	67	23.58	23.73	23.68		
50	PI/2 BPSK	1	131	23.53	23.60	23.51	24.5	0.5
50	PI/2 BPSK	64	0	23.41	23.50	23.43		
50	PI/2 BPSK	64	35	23.73	23.84	23.76	25.0	0.0
50	PI/2 BPSK	64	69	23.19	23.27	23.13	24.5	0.5
50	PI/2 BPSK	128	0	23.25	23.39	23.28		
50	QPSK	1	1	23.81	23.95	23.88	25.0	0.0
50	QPSK	1	67	23.67	23.77	23.65		
50	QPSK	1	131	23.61	23.68	23.59		
50	QPSK	64	0	22.82	22.92	22.78	24.0	1.0
50	QPSK	64	35	23.84	23.91	23.87	25.0	0.0
50	QPSK	64	69	22.75	22.90	22.81	24.0	1.0
50	QPSK	128	0	22.73	22.87	22.74		
50	16QAM	1	1	22.53	22.47	22.55	24.0	1.0
50	64QAM	1	1	21.05	21.03	21.01	22.5	2.5
50	256QAM	1	1	19.51	19.65	19.51	20.5	4.5
Channel				508000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	1	23.68	23.88	23.78	25.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.68	23.80	23.76	25.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.67	23.80	23.84	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.72	23.82	23.77	25.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.75	23.86	23.79	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.77	23.80	23.81	25.0	0.0

n38 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2690.02	2595	2599.98	25.5	0.0	
Frequency (MHz)				5160.04	5150.00	5159.96			
40	PI/2 BPSK	1	1	23.61	23.68	23.64			
40	PI/2 BPSK	1	53	23.98	24.07	23.98	25.0	0.5	
40	PI/2 BPSK	1	104	23.92	23.97	23.94			
40	PI/2 BPSK	50	0	23.38	23.47	23.40			
40	PI/2 BPSK	50	28	23.91	24.02	23.89	25.5	0.0	
40	PI/2 BPSK	50	56	23.38	23.48	23.34	25.0	0.5	
40	PI/2 BPSK	100	0	23.36	23.53	23.50			
40	QPSK	1	1	23.97	23.71	23.85			
40	QPSK	1	53	23.97	24.12	24.06	25.5	0.0	
40	QPSK	1	104	23.52	23.62	23.56			
40	QPSK	50	0	22.98	23.16	23.86			
40	QPSK	50	28	23.97	24.04	23.98	24.5	1.0	
40	QPSK	50	56	22.79	22.93	22.83			
40	QPSK	100	0	22.93	22.96	22.81			
40	16QAM	1	1	22.73	22.79	22.71	24.5	1.0	
40	64QAM	1	1	21.23	21.33	21.26			
40	256QAM	1	1	19.68	19.76	19.63			
Channel				5170.02	5160.00	5169.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2695.01	2595	2604.99			
30	QPSK	1	1	23.68	23.88	23.70		25.5	
Channel				5169.04	5190.00	5214.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2592.52	2595	2607.48			
25	QPSK	1	1	23.71	23.78	23.72		25.5	
Channel				5160.00	5190.00	5220.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.74	23.85	23.74		25.5	
Channel				5159.02	5190.00	5224.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.54	2595	2612.46			
15	QPSK	1	1	23.69	23.88	23.75		25.5	
Channel				5160.04	5190.00	5229.96	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	23.66	23.80	23.82		25.5	

n41 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2549.02	2550.98	2550.00	25.5	0.0	
Frequency (MHz)				5040.01	5050.99	5040			
100	PI/2 BPSK	1	1	23.52	23.54	23.55			
100	PI/2 BPSK	1	137	24.05	24.14	24.03	25.5	0.0	
100	PI/2 BPSK	1	271	23.61	23.58	23.51			
100	PI/2 BPSK	135	0	23.44	23.53	23.49			
100	PI/2 BPSK	135	69	23.94	24.08	23.96	25.5	0.0	
100	PI/2 BPSK	135	138	23.38	23.44	23.41			
100	PI/2 BPSK	270	0	23.37	23.47	23.34			
100	QPSK	1	1	23.54	23.62	23.57	25.5	0.0	
100	QPSK	1	137	24.10	24.17	24.07			
100	QPSK	1	271	23.53	23.56	23.62			
100	QPSK	135	0	22.92	23.05	22.92	24.5	1.0	
100	QPSK	135	69	24.00	24.14	24.02			
100	QPSK	135	138	22.85	22.94	22.89			
100	QPSK	270	0	22.84	22.98	22.91	24.5	1.0	
100	16QAM	1	1	22.67	22.75	22.63			
100	64QAM	1	1	21.34	21.17	21.23		23.0	
100	256QAM	1	1	19.46	19.58	19.42	21.0	4.5	
Channel				5050.00	5185.98	5299.96			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.92	24.03	23.87	Tune-up limit (dBm)	MPR (dB)	
Channel				5072.04	5185.98	5299.96			
Frequency (MHz)				2536.02	2592.99	2648.99			
80	QPSK	1	1	24.02	24.09	23.92	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.02	5185.98	5310.00			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.96	24.02	23.90	Tune-up limit (dBm)	MPR (dB)	
Channel				5052.00	5185.98	5319.96			
Frequency (MHz)				2524	2592.99	2659.98			
60	QPSK	1	1	24.00	23.97	23.91	Tune-up limit (dBm)	MPR (dB)	
Channel				5042.04	5185.98	5329.98			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.97	24.09	23.88	Tune-up limit (dBm)	MPR (dB)	
Channel				5032.02	5185.98	5340.00			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.94	24.04	23.88	Tune-up limit (dBm)	MPR (dB)	
Channel				5022.00	5185.98	5349.96			
Frequency (MHz)				2511	2592.99	2674.99			
30	QPSK	1	1	23.99	24.05	23.91	Tune-up limit (dBm)	MPR (dB)	
Channel				5012.04	5185.98	5359.98			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.95	24.07	23.91	Tune-up limit (dBm)	MPR (dB)	
Channel				5007.00	5185.98	5364.96			
Frequency (MHz)				2501.5	2592.99	2689.48			
15	QPSK	1	1	23.93	23.99	23.93	Tune-up limit (dBm)	MPR (dB)	
Channel				5002.02	5185.98	5370.00			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	24.01	24.04	23.94	25.5	0.0	



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Par270 n77 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930	24.0	0.0	
Frequency (MHz)									
100	PI2 BPSK	1	1	22.65	22.86	22.87			
100	PI2 BPSK	1	137	23.18	23.34	23.16			
100	PI2 BPSK	1	271	22.84	22.79	22.68	23.5	0.5	
100	PI2 BPSK	135	0	22.81	22.81	22.82			
100	PI2 BPSK	135	69	23.16	23.31	23.16			
100	PI2 BPSK	135	138	22.62	22.74	22.68			
100	PI2 BPSK	270	0	22.56	22.77	22.71	24.0	0.0	
100	QPSK	1	1	22.80	22.91	22.86			
100	QPSK	1	137	23.32	23.43	23.42			
100	QPSK	1	271	22.83	22.82	22.83			
100	QPSK	135	0	22.26	22.27	22.15	23.0	1.0	
100	QPSK	135	69	23.25	23.37	22.30	24.0	0.0	
100	QPSK	135	138	22.02	22.23	22.08	23.0	1.0	
100	QPSK	270	0	22.00	22.20	21.99			
100	16QAM	1	1	21.67	21.89	21.80	23.0	1.0	
100	64QAM	1	1	20.27	20.47	20.37	21.5	2.5	
100	256QAM	1	1	18.69	18.67	18.57	19.5	4.5	
Channel				648968	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	22.97	22.87	22.93	24.0	0.0	
Channel				649334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	22.99	22.86	22.86	24.0	0.0	
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.91	22.88	22.95	24.0	0.0	
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	22.87	22.91	22.87	24.0	0.0	
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.92	22.98	22.90	24.0	0.0	
Channel				649000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	22.96	23.00	22.90	24.0	0.0	
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	22.90	22.90	22.94	24.0	0.0	
Channel				647000	650000	654500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	22.86	23.00	22.90	24.0	0.0	
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	22.91	22.93	22.89	24.0	0.0	
Channel				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	22.89	22.91	22.98	24.0	0.0	
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	22.94	22.91	22.90	24.0	0.0	

Part27Q n77 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668	24.0	0.0	
Frequency (MHz)									
100	PI2 BPSK	1	1		22.96				
100	PI2 BPSK	1	137		23.50				
100	PI2 BPSK	1	271		23.02		23.5	0.5	
100	PI2 BPSK	135	0		22.94				
100	PI2 BPSK	135	69		23.41				
100	PI2 BPSK	135	138		22.88				
100	PI2 BPSK	270	0		22.87		24.0	0.0	
100	QPSK	1	1		23.01				
100	QPSK	1	137		23.51				
100	QPSK	1	271		23.09				
100	QPSK	135	0		22.39		23.0	1.0	
100	QPSK	135	69		23.45		24.0	0.0	
100	QPSK	135	138		22.44		23.0	1.0	
100	QPSK	270	0		22.31				
100	16QAM	1	1		21.97		23.0	1.0	
100	64QAM	1	1		20.64		21.5	2.5	
100	256QAM	1	1		18.71		19.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	22.96	22.99	22.99	24.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	22.95	22.92	22.97	24.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	22.98	22.97	22.97	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	22.91	23.00	22.96	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	22.90	22.98	23.04	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	23.00	22.94	22.92	24.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	22.90	23.02	22.97	24.0	0.0	
Channel				630668	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	22.93	22.94	23.03	24.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	22.94	22.99	23.04	24.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	22.99	22.94	23.02	24.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	22.94	22.95	23.00	24.0	0.0	

Part27O n78 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3750	3750	23.0	0.0	
Frequency (MHz)									
100	PI2 BPSK	1	1		21.63				
100	PI2 BPSK	1	137		22.23				
100	PI2 BPSK	1	271		21.67		23.0	0.0	
100	PI2 BPSK	135	0		22.17				
100	PI2 BPSK	135	69		22.21				
100	PI2 BPSK	135	138		22.11				
100	PI2 BPSK	270	0		22.12		23.0	0.0	
100	QPSK	1	1		21.96				
100	QPSK	1	137		22.25				
100	QPSK	1	271		21.74				
100	QPSK	135	0		22.11		23.0	0.0	
100	QPSK	135	69		22.24		23.0	0.0	
100	QPSK	135	138		22.17		23.0	0.0	
100	QPSK	270	0		22.09				
100	16QAM	1	1		21.39		23.0	0.0	
100	64QAM	1	1		21.47		23.0	0.0	
100	256QAM	1	1		20.53		21.5	1.5	
Channel				648968	650000	652084	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	21.64	21.67	21.64	23.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	21.67	21.69	21.62	23.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	21.63	21.67	21.61	23.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	21.69	21.72	21.60	23.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	21.70	21.67	21.64	23.0	0.0	
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	21.61	21.67	21.73	23.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	21.65	21.70	21.73	23.0	0.0	
Channel				647000	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	21.73	21.60	21.68	23.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3718	3750	3782			
20	QPSK	1	1	21.64	21.62	21.66	23.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	21.73	21.65	21.68	23.0	0.0	
Channel				647334	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	21.70	21.67	21.72	23.0	0.0	



Part270 n78 PC2 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				65000	65000	65000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		24.64				
100	PI2 BPSK	1	137		25.19		26.0	0.0	
100	PI2 BPSK	1	271		24.98				
100	PI2 BPSK	135	0		24.59		25.5	0.5	
100	PI2 BPSK	135	69		25.15		26.0	0.0	
100	PI2 BPSK	135	138		24.61		25.5	0.5	
100	PI2 BPSK	270	0		24.56				
100	QPSK	1	1		24.64				
100	QPSK	1	137		25.25		26.0	0.0	
100	QPSK	1	271		24.71				
100	QPSK	135	0		24.05		25.0	1.0	
100	QPSK	135	69		25.18		26.0	0.0	
100	QPSK	135	138		24.98		25.0	1.0	
100	QPSK	270	0		24.03				
100	16QAM	1	1		23.46		25.0	1.0	
100	64QAM	1	1		22.02		23.5	2.5	
100	256QAM	1	1		20.63		21.5	4.5	
Channel				64868	65000	65034	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	24.70	24.60	24.64	26.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	24.64	24.71	24.60	26.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	24.63	24.59	24.68	26.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720.02	3750	3770.01			
60	QPSK	1	1	24.68	24.60	24.59	26.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	24.60	24.69	24.67	26.0	0.0	
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	24.63	24.68	24.62	26.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3713.02	3750	3763.01			
30	QPSK	1	1	24.65	24.58	24.60	26.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3767.5			
25	QPSK	1	1	24.67	24.65	24.58	26.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3703.01	3750	3760.02			
20	QPSK	1	1	24.62	24.57	24.69	26.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3757.51			
15	QPSK	1	1	24.66	24.62	24.62	26.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	24.66	24.60	24.69	26.0	0.0	

Part27Q 78 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		21.53				
100	PI2 BPSK	1	137		22.05		23.0	0.0	
100	PI2 BPSK	1	271		21.02				
100	PI2 BPSK	135	0		21.91		23.0	0.0	
100	PI2 BPSK	135	69		22.04		23.0	0.0	
100	PI2 BPSK	135	138		21.96		23.0	0.0	
100	PI2 BPSK	270	0		22.02				
100	QPSK	1	1		21.08				
100	QPSK	1	137		22.18		23.0	0.0	
100	QPSK	1	271		21.67				
100	QPSK	135	0		21.96		23.0	0.0	
100	QPSK	135	69		22.10		23.0	0.0	
100	QPSK	135	138		22.01		23.0	0.0	
100	QPSK	270	0		21.98				
100	16QAM	1	1		21.48		23.0	0.0	
100	64QAM	1	1		21.52		23.0	0.0	
100	256QAM	1	1		20.47		23.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	21.61	21.61	21.61	23.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	21.04	21.03	21.02	23.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	21.56	21.60	21.53	23.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	21.05	21.59	21.57	23.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	21.58	21.62	21.63	23.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	21.59	21.64	21.57	23.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	21.61	21.57	21.61	23.0	0.0	
Channel				630834	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	21.66	21.53	21.52	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	21.63	21.66	21.62	23.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	21.62	21.65	21.60	23.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	21.64	21.60	21.53	23.0	0.0	

Part27Q 78 PC2 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		24.66				
100	PI2 BPSK	1	137		25.18		26.0	0.0	
100	PI2 BPSK	1	271		24.74				
100	PI2 BPSK	135	0		24.04		25.5	0.5	
100	PI2 BPSK	135	69		25.14		26.0	0.0	
100	PI2 BPSK	135	138		24.56		25.5	0.5	
100	PI2 BPSK	270	0		24.63				
100	QPSK	1	1		24.12				
100	QPSK	1	137		25.27		26.0	0.0	
100	QPSK	1	271		24.73				
100	QPSK	135	0		24.04		25.0	1.0	
100	QPSK	135	69		25.18		26.0	0.0	
100	QPSK	135	138		24.13		25.0	1.0	
100	QPSK	270	0		24.05				
100	16QAM	1	1		23.44		25.0	1.0	
100	64QAM	1	1		22.04		23.5	2.5	
100	256QAM	1	1		20.03		21.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496	3500	3504	26.0	0.0	
90	QPSK	1	1	24.70	24.63	24.65	26.0	0.0	
Channel				633668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)					3490.02	3510.01	26.0	0.0	
80	QPSK	1	1	24.59	24.55	24.50	26.0	0.0	
Channel				633234	633334	633434	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	26.0	0.0	
70	QPSK	1	1	24.68	24.62	24.62	26.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3500.01	3500.01	3515.02	26.0	0.0	
60	QPSK	1	1	24.63	24.68	24.58	26.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)					3475.00	3500.01	3525	26.0	
50	QPSK	1	1	24.57	24.68	24.58	26.0	0.0	
Channel				631234	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	26.0	0.0	
40	QPSK	1	1	24.54	24.68	24.66	26.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	26.0	0.0	
30	QPSK	1	1	24.57	24.67	24.58	26.0	0.0	
Channel				630934	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	26.0	0.0	
25	QPSK	1	1	24.62	24.60	24.59	26.0	0.0	
Channel				635668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.00	3500.01	3540	26.0	0.0	
20	QPSK	1	1	24.64	24.57	24.65	26.0	0.0	
Channel				635950	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)					3457.51	3500.01	3542.52	26.0	
15	QPSK	1	1	24.60	24.66	24.63	26.0	0.0	
Channel				634534	633334	635134	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	26.0	0.0	
10	QPSK	1	1	24.68	24.59	24.66	26.0	0.0	

Reduced Power Mode for DSI 1_Main PA DFT-30

n5 Ant0 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166300	167300	167800	24.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.59	23.86	23.63			
20	PI/2 BPSK	1	26	23.59	23.81	23.48			
20	PI/2 BPSK	1	49	23.48	23.72	23.61	24.5	0.0	
20	PI/2 BPSK	25	0	23.59	23.69	23.48			
20	PI/2 BPSK	25	13	23.43	23.72	23.65			
20	PI/2 BPSK	25	26	23.56	23.89	23.61			
20	PI/2 BPSK	50	0	23.64	23.73	23.43	24.5	0.0	
20	QPSK	1	1	23.64	23.93	23.64			
20	QPSK	1	26	23.48	23.92	23.54			
20	QPSK	1	49	23.46	23.82	23.50			
20	QPSK	25	0	23.61	23.71	23.44	24.5	0.0	
20	QPSK	25	13	23.50	23.89	23.56			
20	QPSK	25	26	23.50	23.71	23.61			
20	QPSK	50	0	23.47	23.75	23.52			
20	16QAM	1	1	23.56	23.79	23.45	23.0	1.5	
20	64QAM	1	1	22.03	22.31	22.08			
20	256QAM	1	1	20.08	20.34	20.04			
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.5	0.0	
15	QPSK	1	1	23.50	23.78	23.53			
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.5	0.0	
10	QPSK	1	1	23.62	23.88	23.66			

n7 Ant0 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	18.5	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	16.94	16.87	16.95			
50	PI/2 BPSK	1	67	16.84	16.95	16.64			
50	PI/2 BPSK	1	131	16.77	16.98	16.82	18.5	0.0	
50	PI/2 BPSK	64	0	16.97	17.05	16.78			
50	PI/2 BPSK	64	35	16.99	16.94	16.78			
50	PI/2 BPSK	64	69	16.78	16.96	16.63			
50	PI/2 BPSK	128	0	16.85	17.04	16.77	18.5	0.0	
50	QPSK	1	1	16.97	17.06	16.84			
50	QPSK	1	67	16.98	16.90	16.86			
50	QPSK	1	131	16.80	16.81	16.80			
50	QPSK	64	0	16.77	17.03	16.77	17.5	1.0	
50	QPSK	64	35	16.81	17.04	16.75			
50	QPSK	64	69	16.94	16.91	16.69			
50	QPSK	128	0	16.82	16.93	16.82			
50	16QAM	1	1	16.78	16.86	16.75	18.5	0.0	
50	64QAM	1	1	16.94	17.04	16.76			
50	256QAM	1	1	16.94	17.01	16.64			
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	18.5	0.0	
40	QPSK	1	1	16.95	17.03	16.64			
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	18.5	0.0	
30	QPSK	1	1	16.98	17.02	16.71			
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	18.5	0.0	
25	QPSK	1	1	16.76	16.98	16.69			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	18.5	0.0	
20	QPSK	1	1	16.95	16.95	16.76			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	18.5	0.0	
15	QPSK	1	1	16.93	16.95	16.81			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	18.5	0.0	
10	QPSK	1	1	16.83	16.84	16.70			

n38 Ant0 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	519000	519996	21.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	19.61	20.08	19.95			
40	PI/2 BPSK	1	53	19.74	19.95	19.97			
40	PI/2 BPSK	1	104	19.72	19.90	19.93	21.5	0.0	
40	PI/2 BPSK	50	0	19.69	20.03	19.87			
40	PI/2 BPSK	50	28	19.79	20.06	20.03			
40	PI/2 BPSK	50	56	19.76	20.09	20.03			
40	PI/2 BPSK	100	0	19.65	19.94	19.86	21.5	0.0	
40	QPSK	1	1	19.79	20.13	20.00			
40	QPSK	1	53	19.79	20.15	20.02			
40	QPSK	1	104	19.67	19.93	19.90			
40	QPSK	50	0	19.70	20.07	19.84	21.5	0.0	
40	QPSK	50	28	19.72	20.10	19.92			
40	QPSK	50	56	19.81	20.08	19.95			
40	QPSK	100	0	19.67	20.10	19.84			
40	16QAM	1	1	19.69	20.03	19.93	21.5	0.0	
40	64QAM	1	1	19.68	19.97	20.00			
40	256QAM	1	1	18.24	18.60	18.58			
Channel				517002	519000	520998	21.5	0.0	
Frequency (MHz)				2635.01	2595	2604.99			
30	QPSK	1	1	19.59	20.11	19.85			
Channel				516504	519000	521496	21.5	0.0	
Frequency (MHz)				2592.52	2595	2607.48			
25	QPSK	1	1	19.71	20.12	19.95		0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	19.68	19.96	19.92	21.5	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	19.67	20.01	19.95		0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	19.67	20.07	19.95			

n41 Ant0 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	20.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.76	18.94	19.03			
100	PI/2 BPSK	1	137	18.91	19.04	19.06			
100	PI/2 BPSK	1	271	18.83	18.97	19.00	20.5	0.0	
100	PI/2 BPSK	135	0	18.79	19.09	18.88			
100	PI/2 BPSK	135	69	18.81	18.98	18.92			
100	PI/2 BPSK	135	138	18.92	18.99	19.03			
100	PI/2 BPSK	270	0	18.98	19.17	19.02	20.5	0.0	
100	QPSK	1	1	18.99	19.01	18.98			
100	QPSK	1	137	18.98	19.20	19.09			
100	QPSK	1	271	18.95	19.09	19.05			
100	QPSK	135	0	18.78	19.09	19.04	20.5	0.0	
100	QPSK	135	69	18.96	19.12	18.94			
100	QPSK	135	138	18.95	19.01	18.96			
100	QPSK	270	0	18.85	19.11	19.10			
100	16QAM	1	1	18.80	19.01	18.99	20.5	0.0	
100	64QAM	1	1	18.99	19.01	19.09			
100	256QAM	1	1	18.45	18.75	18.66			
Channel				509200	518598	528996	20.0	0.5	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	18.82	19.12	18.91			
Channel				507204	518598	529998	20.5	0.0	
Frequency (MHz)				2536.02	2592.99	2640.99			
80	QPSK	1	1	18.96	18.98	19.10		0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	18.93	19.08	19.01	20.5	0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	18.84	19.00	19.08		0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	18.90	19.12	18.96	20.5	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	18.87	19.01	18.96		0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.94	18.94	18.87	20.5	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2670.99			
20	QPSK	1	1	18.88	19.04	19.10		0.0	
Channel				500700	518598	536996			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	18.88	19.08	19.07	20.5	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	18.99	19.12	19.02		0.0	

n5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	25.7	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	24.01	24.11	24.06			
20	PI/2 BPSK	1	26	23.89	24.00	23.90			
20	PI/2 BPSK	1	49	24.00	24.07	23.99	25.2	0.5	
20	PI/2 BPSK	25	0	23.58	23.68	23.57			
20	PI/2 BPSK	25	13	23.91	24.04	23.91			
20	PI/2 BPSK	25	26	23.72	23.81	23.77			
20	PI/2 BPSK	50	0	23.67	23.71	23.65	25.7	0.0	
20	QPSK	1	1	24.06	24.13	23.99			
20	QPSK	1	26	23.95	24.06	24.00			
20	QPSK	1	49	23.96	24.08	24.02			
20	QPSK	25	0	23.00	23.07	23.00	24.7	1.0	
20	QPSK	25	13	24.04	24.12	24.01			
20	QPSK	25	26	23.09	23.21	23.12			
20	QPSK	50	0	23.16	23.20	23.08			
20	16QAM	1	1	22.90	22.93	22.81	24.7	1.0	
20	64QAM	1	1	21.41	21.51	21.39			
20	256QAM	1	1	19.69	19.77	19.69			
Channel				166800	167300	167800		Tune-up limit (dBm)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.96	24.09	23.90	25.7	0.0	
Channel				166800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.93	24.05	23.93		25.7	

n7 Ant1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	21.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	19.77	19.90	19.62			
50	PI/2 BPSK	1	67	19.84	19.90	19.62			
50	PI/2 BPSK	1	131	19.82	19.98	19.69	21.0	0.0	
50	PI/2 BPSK	64	0	19.74	19.96	19.80			
50	PI/2 BPSK	64	35	19.72	19.87	19.82			
50	PI/2 BPSK	64	69	19.79	19.96	19.61			
50	PI/2 BPSK	128	0	19.75	20.02	19.74	21.0	0.0	
50	QPSK	1	1	19.88	20.06	19.80			
50	QPSK	1	67	19.67	20.05	19.69			
50	QPSK	1	131	19.70	19.90	19.81			
50	QPSK	64	0	19.87	19.91	19.74	20.0	1.0	
50	QPSK	64	35	19.84	19.94	19.75			
50	QPSK	64	69	19.86	19.89	19.68			
50	QPSK	128	0	19.84	20.03	19.77			
50	16QAM	1	1	19.80	20.04	19.79	21.0	0.0	
50	64QAM	1	1	19.69	19.87	19.68			
50	256QAM	1	1	19.38	19.62	19.40			
Channel				504000	507000	510000		Tune-up limit (dBm)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	19.87	19.85	19.70	21.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.69	19.86	19.68		21.0	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.79	19.90	19.65	21.0	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	19.66	20.06	19.80		21.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.88	20.03	19.70	21.0	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	19.87	20.02	19.82		21.0	

n38 Ant1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	20.14	20.34	20.26	21.5	0.0	
40	PI/2 BPSK	1	53	20.23	20.28	20.27			
40	PI/2 BPSK	1	104	20.15	20.27	20.11			
40	PI/2 BPSK	50	0	20.36	20.30	20.18	21.5	0.0	
40	PI/2 BPSK	50	28	20.31	20.22	20.20	21.5	0.0	
40	PI/2 BPSK	50	56	20.23	20.27	20.12	21.5	0.0	
40	PI/2 BPSK	100	0	20.33	20.38	20.14			
40	QPSK	1	1	20.24	20.19	20.03			
40	QPSK	1	53	20.35	20.40	20.25	21.5	0.0	
40	QPSK	1	104	20.22	20.29	20.23			
40	QPSK	50	0	20.16	20.30	20.25			
40	QPSK	50	28	20.33	20.35	20.17	21.5	0.0	
40	QPSK	50	56	20.14	20.20	20.23	21.5	0.0	
40	QPSK	100	0	20.36	20.37	20.11			
40	16QAM	1	1	20.21	20.23	20.09	21.5	0.0	
40	64QAM	1	1	20.20	20.36	20.03	21.5	0.0	
40	256QAM	1	1	19.80	19.86	19.75	21.0	0.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2595.01	2595	2604.99			
30	QPSK	1	1	20.19	20.24	20.26	21.5	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	20.26	20.38	20.26	21.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.34	20.39	20.26	21.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	20.27	20.32	20.06	21.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	20.16	20.37	20.21	21.5	0.0	

n41 Ant1 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.26	20.43	20.34	21.5	0.0	
100	PI/2 BPSK	1	137	20.52	20.35	20.25			
100	PI/2 BPSK	1	271	20.33	20.46	20.11			
100	PI/2 BPSK	135	0	20.49	20.36	20.20	21.5	0.0	
100	PI/2 BPSK	135	69	20.45	20.46	20.46	21.5	0.0	
100	PI/2 BPSK	135	138	20.35	20.46	20.35	21.5	0.0	
100	PI/2 BPSK	270	0	20.47	20.51	20.25			
100	QPSK	1	1	20.29	20.33	20.18			
100	QPSK	1	137	20.28	20.54	20.20	21.5	0.0	
100	QPSK	1	271	20.38	20.36	20.31			
100	QPSK	135	0	20.42	20.29	20.17			
100	QPSK	135	69	20.40	20.45	20.15	21.5	0.0	
100	QPSK	135	138	20.20	20.43	20.25	21.5	0.0	
100	QPSK	270	0	20.30	20.34	20.29			
100	16QAM	1	1	20.32	20.41	20.10	21.5	0.0	
100	64QAM	1	1	20.24	20.51	20.37	21.5	0.0	
100	256QAM	1	1	19.86	20.10	19.80	21.0	0.5	
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.21	20.34	20.19	21.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	20.12	20.34	20.16	21.5	0.0	
Channel				506802	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	20.20	20.50	20.20	21.5	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	20.21	20.48	20.09	21.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	20.26	20.52	20.08	21.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.20	20.33	20.13	21.5	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.17	20.53	20.08	21.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.14	20.49	20.15	21.5	0.0	
Channel				500700	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	20.30	20.35	20.02	21.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	20.13	20.50	20.17	21.5	0.0	

n7 Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	19.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	17.51	17.60	17.31		
50	PI/2 BPSK	1	67	17.51	17.70	17.46	19.0	0.0
50	PI/2 BPSK	1	131	17.56	17.70	17.33		
50	PI/2 BPSK	64	0	17.53	17.67	17.34		
50	PI/2 BPSK	64	35	17.57	17.65	17.43	19.0	0.0
50	PI/2 BPSK	64	69	17.57	17.69	17.30	19.0	0.0
50	PI/2 BPSK	128	0	17.55	17.64	17.44	19.0	0.0
50	QPSK	1	1	17.61	17.80	17.51		
50	QPSK	1	67	17.49	17.60	17.40		
50	QPSK	1	131	17.46	17.63	17.39	18.0	1.0
50	QPSK	64	0	17.56	17.76	17.51		
50	QPSK	64	35	17.58	17.75	17.51		
50	QPSK	64	69	17.62	17.72	17.47	18.0	1.0
50	QPSK	128	0	17.51	17.62	17.40		
50	16QAM	1	1	17.45	17.68	17.36	19.0	0.0
50	64QAM	1	1	17.44	17.58	17.33	19.0	0.0
50	256QAM	1	1	17.45	17.70	17.41	19.0	0.0
Channel				508000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550	19.0	0.0
40	QPSK	1	1	17.52	17.65	17.40		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	19.0	0.0
30	QPSK	1	1	17.41	17.76	17.47		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	19.0	0.0
25	QPSK	1	1	17.57	17.69	17.37		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	19.0	0.0
20	QPSK	1	1	17.40	17.66	17.53		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	19.0	0.0
15	QPSK	1	1	17.49	17.63	17.53		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	19.0	0.0
10	QPSK	1	1	17.52	17.67	17.50		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	20.0	0.0
Frequency (MHz)				2690.02	2595	2599.98		
40	PI/2 BPSK	1	1	18.27	18.15	18.16		
40	PI/2 BPSK	1	53	18.20	18.26	18.16		
40	PI/2 BPSK	1	104	18.15	18.20	18.27	20.0	0.0
40	PI/2 BPSK	50	0	18.18	18.13	18.22		
40	PI/2 BPSK	50	28	18.24	18.28	18.20		
40	PI/2 BPSK	50	56	18.22	18.11	18.11		
40	PI/2 BPSK	100	0	18.15	18.30	18.19	20.0	0.0
40	QPSK	1	1	18.20	18.18	18.06		
40	QPSK	1	53	18.08	18.33	18.12		
40	QPSK	1	104	18.03	18.29	18.12		
40	QPSK	50	0	18.01	18.24	18.27	20.0	0.0
40	QPSK	50	28	18.29	18.30	18.13		
40	QPSK	50	56	18.25	18.20	18.16		
40	QPSK	100	0	18.19	18.29	18.13		
40	16QAM	1	1	18.09	18.29	18.13	20.0	0.0
40	64QAM	1	1	18.07	18.25	18.27		
40	256QAM	1	1	18.04	18.10	18.06		
Channel				517002	519000	520998	Tune-up limit	MPR
Frequency (MHz)				2688.01	2595	2604.99	(dBm)	(dB)
30	QPSK	1	1	18.07	18.08	18.18	20.0	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2682.52	2595	2607.48		
25	QPSK	1	1	18.07	18.23	18.03		
Channel				516000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)
20	QPSK	1	1	18.23	18.29	18.04	20.0	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.04	18.30	18.18		
Channel				515004	519000	522996	Tune-up limit	MPR
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)
10	QPSK	1	1	18.19	18.27	18.08	20.0	0.0

n41 Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	19.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.13	18.19	17.93		
100	PI/2 BPSK	1	137	18.23	18.41	17.89		
100	PI/2 BPSK	1	271	18.06	18.28	18.06	19.5	0.0
100	PI/2 BPSK	135	0	18.16	18.26	17.91		
100	PI/2 BPSK	135	69	18.09	18.39	17.98		
100	PI/2 BPSK	135	138	18.09	18.23	17.90		
100	PI/2 BPSK	270	0	18.05	18.33	18.07	19.5	0.0
100	QPSK	1	1	18.05	18.33	17.96		
100	QPSK	1	137	18.22	18.44	18.07		
100	QPSK	1	271	18.01	18.23	17.86		
100	QPSK	135	0	18.07	18.35	18.08	19.5	0.0
100	QPSK	135	69	18.19	18.42	17.94		
100	QPSK	135	138	18.09	18.34	17.87		
100	QPSK	270	0	18.01	18.38	17.91		
100	16QAM	1	1	18.10	18.32	18.01	19.5	0.0
100	64QAM	1	1	18.04	18.38	17.99		
100	256QAM	1	1	18.17	18.22	18.04		
Channel				509200	518598	528000	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.88	(dBm)	(dB)
90	QPSK	1	1	18.24	18.29	18.03	19.5	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2636.02	2592.99	2649.99		
80	QPSK	1	1	18.23	18.20	18.09		
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	18.09	18.39	18.02	19.5	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.05	18.35	17.93		
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	18.06	18.24	17.99	19.5	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.08	18.40	18.04		
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.88	(dBm)	(dB)
30	QPSK	1	1	18.02	18.41	17.88	19.5	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.07	18.25	17.93		
Channel				500700	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	18.15	18.34	17.80	19.5	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2688		
10	QPSK	1	1	18.01	18.36	18.04		

Par270 n77 Ant2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	17.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.63	15.94	15.78		
100	PI/2 BPSK	1	137	15.73	15.93	15.90		
100	PI/2 BPSK	1	271	15.54	15.54	15.80	17.0	0.0
100	PI/2 BPSK	135	0	15.72	15.94	15.73		
100	PI/2 BPSK	135	69	15.80	15.82	15.74		
100	PI/2 BPSK	135	138	15.66	15.51	15.67		
100	PI/2 BPSK	270	0	15.65	15.85	15.88	17.0	0.0
100	QPSK	1	1	15.74	15.79	15.85		
100	QPSK	1	137	15.64	15.95	15.93		
100	QPSK	1	271	15.57	15.90	15.85		
100	QPSK	135	0	15.74	15.76	15.71	17.0	0.0
100	QPSK	135	69	15.58	15.86	15.75		
100	QPSK	135	138	15.76	15.55	15.65		
100	QPSK	270	0	15.57	15.76	15.67		
100	16QAM	1	1	15.71	15.85	15.80	17.0	0.0
100	64QAM	1	1	15.73	15.90	15.93		
100	256QAM	1	1	15.61	15.88	15.83		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.53	15.95	15.92	17.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.65	15.95	15.90	17.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.68	15.90	15.99	17.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.71	15.84	15.82	17.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.70	16.01	15.93	17.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.58	15.96	15.93	17.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.61	15.81	15.80	17.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	15.55	15.82	15.81	17.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.59	16.01	15.90	17.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	15.71	15.87	15.76	17.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.66	15.94	15.84	17.0	0.0

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BW [MHz]	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		17.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.39			
100	PI/2 BPSK	1	137		16.25			
100	PI/2 BPSK	1	271		16.45		17.0	0.0
100	PI/2 BPSK	135	0		16.32			
100	PI/2 BPSK	135	69		16.35			
100	PI/2 BPSK	135	138		16.31			
100	PI/2 BPSK	270	0		16.12		17.0	0.0
100	QPSK	1	1		16.33			
100	QPSK	1	137		16.50			
100	QPSK	1	271		16.42			
100	QPSK	135	0		16.46		17.0	0.0
100	QPSK	135	69		16.47			
100	QPSK	135	138		16.26			
100	QPSK	270	0		16.20			
100	16QAM	1	1		16.33		17.0	0.0
100	64QAM	1	1		16.49			
100	256QAM	1	1		16.40			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.43	16.37	16.44	16.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.39	16.44	16.32	16.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.30	16.45	16.38	16.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.44	16.41	16.45	16.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.45	16.45	16.40	16.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.42	16.33	16.30	16.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.30	16.41	16.36	16.0	0.0
Channel				630634	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.39	16.43	16.41	16.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.45	16.32	16.43	16.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.44	16.32	16.34	16.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.40	16.42	16.43	16.0	0.0

Part270 n78 PC2/3 Ant2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	17.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		16.12		17.0	0.0	
100	PI/2 BPSK	1	137		16.25				
100	PI/2 BPSK	1	271		16.23				
100	PI/2 BPSK	135	0		16.25		17.0	0.0	
100	PI/2 BPSK	135	69		16.20		17.0	0.0	
100	PI/2 BPSK	135	138		16.21		17.0	0.0	
100	PI/2 BPSK	270	0		16.20		17.0	0.0	
100	QPSK	1	1		16.07				
100	QPSK	1	137		16.30				
100	QPSK	1	271		16.04		17.0	0.0	
100	QPSK	135	0		16.20				
100	QPSK	135	69		16.21				
100	QPSK	135	138		16.16		17.0	0.0	
100	QPSK	270	0		16.26				
100	16QAM	1	1		16.18		17.0	0.0	
100	64QAM	1	1		16.23		17.0	0.0	
100	256QAM	1	1		16.18		17.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	15.91	16.03	16.04	17.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	16.00	15.97	16.00	17.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	16.00	15.89	15.99	17.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	15.94	15.89	15.97	17.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	15.94	15.95	16.02	17.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	15.92	15.98	15.96	17.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	15.98	15.93	15.90	17.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	15.89	16.07	16.05	17.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	15.95	15.87	16.02	17.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	15.86	15.98	15.85	17.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	15.89	15.99	15.98	17.0	0.0	

Part27Q 78 PC2/3 Ant2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		17.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		16.32		17.0	0.0	
100	PI/2 BPSK	1	137		16.40				
100	PI/2 BPSK	1	271		16.44				
100	PI/2 BPSK	135	0		16.33		17.0	0.0	
100	PI/2 BPSK	135	69		16.29		17.0	0.0	
100	PI/2 BPSK	135	138		16.31		17.0	0.0	
100	PI/2 BPSK	270	0		16.23				
100	QPSK	1	1		16.45				
100	QPSK	1	137		16.46		17.0	0.0	
100	QPSK	1	271		16.27				
100	QPSK	135	0		16.41				
100	QPSK	135	69		16.43		17.0	0.0	
100	QPSK	135	138		16.29		17.0	0.0	
100	QPSK	270	0		16.43				
100	16QAM	1	1		16.29		17.0	0.0	
100	64QAM	1	1		16.40		17.0	0.0	
100	256QAM	1	1		16.41		17.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	16.29	16.36	16.26	17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	16.24	16.20	16.21	17.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	16.22	16.34	16.31	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	16.28	16.27	16.31	17.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	16.19	16.12	16.13	17.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	16.27	16.27	16.35	17.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	16.20	16.31	16.19	17.0	0.0	
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	16.34	16.20	16.29	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	16.32	16.14	16.24	17.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	16.32	16.32	16.34	17.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	16.25	16.29	16.14	17.0	0.0	

Par270 n77 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				650000	650000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.47	19.51	19.35	19.7	0.0	0.0
100	PI/2 BPSK	1	137	19.31	19.57	19.43			
100	PI/2 BPSK	1	271	19.46	19.56	19.51			
100	PI/2 BPSK	135	0	19.36	19.40	19.38	19.7	0.0	0.0
100	PI/2 BPSK	135	69	19.48	19.38	19.51	19.7	0.0	0.0
100	PI/2 BPSK	135	138	19.34	19.42	19.30	19.7	0.0	0.0
100	PI/2 BPSK	270	0	19.33	19.43	19.48			
100	QPSK	1	1	19.35	19.55	19.31			
100	QPSK	1	137	19.48	19.66	19.52	19.7	0.0	0.0
100	QPSK	1	271	19.29	19.57	19.46			
100	QPSK	135	0	19.33	19.48	19.46			
100	QPSK	135	69	19.50	19.61	19.52	19.7	0.0	0.0
100	QPSK	135	138	19.27	19.60	19.43	19.7	0.0	0.0
100	QPSK	270	0	19.39	19.45	19.41			
100	16QAM	1	1	19.43	19.45	19.36	19.7	0.0	0.0
100	64QAM	1	1	19.35	19.57	19.35	19.7	0.0	0.0
100	256QAM	1	1	19.27	19.49	19.32	19.7	0.0	0.0
Channel				649668	650000	662334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3745.02	3840	3935.01	19.7	0.0	0.0
90	QPSK	1	1	19.40	19.51	19.52	19.7	0.0	0.0
Channel				649334	650000	662668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3740.01	3840	3940.02	19.7	0.0	0.0
80	QPSK	1	1	19.34	19.49	19.48	19.7	0.0	0.0
Channel				649000	650000	663000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3735	3840	3945	19.7	0.0	0.0
70	QPSK	1	1	19.30	19.59	19.39	19.7	0.0	0.0
Channel				648668	650000	663334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3730.02	3840	3950.01	19.7	0.0	0.0
60	QPSK	1	1	19.36	19.45	19.54	19.7	0.0	0.0
Channel				648334	650000	663668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3725.01	3840	3955.02	19.7	0.0	0.0
50	QPSK	1	1	19.40	19.45	19.31	19.7	0.0	0.0
Channel				648000	650000	664000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3720	3840	3960	19.7	0.0	0.0
40	QPSK	1	1	19.27	19.43	19.34	19.7	0.0	0.0
Channel				647668	650000	664334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3715.02	3840	3965.01	19.7	0.0	0.0
30	QPSK	1	1	19.49	19.57	19.51	19.7	0.0	0.0
Channel				647500	650000	664500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3712.5	3840	3967.5	19.7	0.0	0.0
25	QPSK	1	1	19.43	19.57	19.45	19.7	0.0	0.0
Channel				647234	650000	664668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3710.01	3840	3970.02	19.7	0.0	0.0
20	QPSK	1	1	19.48	19.40	19.30	19.7	0.0	0.0
Channel				647168	650000	664834	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3707.52	3840	3972.51	19.7	0.0	0.0
15	QPSK	1	1	19.26	19.48	19.49	19.7	0.0	0.0
Channel				647000	650000	665000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3705	3840	3975	19.7	0.0	0.0
10	QPSK	1	1	19.47	19.60	19.38	19.7	0.0	0.0

Part27Q n77 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		19.7	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		19.57				
100	PI/2 BPSK	1	137		19.50		19.7	0.0	
100	PI/2 BPSK	1	271		19.44				
100	PI/2 BPSK	135	0		19.56				
100	PI/2 BPSK	135	69		19.46		19.7	0.0	
100	PI/2 BPSK	135	138		19.51		19.7	0.0	
100	PI/2 BPSK	270	0		19.48				
100	QPSK	1	1		19.57				
100	QPSK	1	137		19.63		19.7	0.0	
100	QPSK	1	271		19.60				
100	QPSK	135	0		19.53				
100	QPSK	135	69		19.55		19.7	0.0	
100	QPSK	135	138		19.43		19.7	0.0	
100	QPSK	270	0		19.43				
100	16QAM	1	1		19.62		19.7	0.0	
100	64QAM	1	1		19.42		19.7	0.0	
100	256QAM	1	1		19.47		19.7	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	19.35	19.22	19.29	19.7	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	19.21	19.43	19.19	19.7	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	19.37	19.42	19.35	19.7	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	19.37	19.38	19.37	19.7	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	19.40	19.42	19.23	19.7	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	19.32	19.39	19.22	19.7	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	19.38	19.38	19.25	19.7	0.0	
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	19.29	19.33	19.42	19.7	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	19.33	19.28	19.40	19.7	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	19.42	19.19	19.27	19.7	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	19.37	19.31	19.31	19.7	0.0	

Part270 n78 PC2/3 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	20.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		19.47				
100	PI/2 BPSK	1	137		19.61				
100	PI/2 BPSK	1	271		19.55		20.0	0.0	
100	PI/2 BPSK	135	0		19.42				
100	PI/2 BPSK	135	69		19.48				
100	PI/2 BPSK	135	138		19.46				
100	PI/2 BPSK	270	0		19.60		20.0	0.0	
100	QPSK	1	1		19.59				
100	QPSK	1	137		19.63				
100	QPSK	1	271		19.54				
100	QPSK	135	0		19.48		20.0	0.0	
100	QPSK	135	69		19.50				
100	QPSK	135	138		19.49				
100	QPSK	270	0		19.56				
100	16QAM	1	1		19.47		20.0	0.0	
100	64QAM	1	1		19.48				
100	256QAM	1	1		19.47				
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		19.35	19.41	19.44	20.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		19.43	19.54	19.44	20.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		19.37	19.33	19.41	20.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		19.36	19.51	19.36	20.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		19.35	19.41	19.32	20.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		19.50	19.53	19.51	20.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		19.43	19.54	19.49	20.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		19.47	19.52	19.50	20.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		19.54	19.39	19.41	20.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		19.35	19.48	19.31	20.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		19.34	19.40	19.33	20.0	

Part27Q 78 PC2/3 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		20.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		19.66				
100	PI/2 BPSK	1	137		19.68				
100	PI/2 BPSK	1	271		19.60		20.0	0.0	
100	PI/2 BPSK	135	0		19.70				
100	PI/2 BPSK	135	69		19.71				
100	PI/2 BPSK	135	138		19.53				
100	PI/2 BPSK	270	0		19.73		20.0	0.0	
100	QPSK	1	1		19.53				
100	QPSK	1	137		19.74				
100	QPSK	1	271		19.67				
100	QPSK	135	0		19.70		20.0	0.0	
100	QPSK	135	69		19.72				
100	QPSK	135	138		19.56				
100	QPSK	270	0		19.70				
100	16QAM	1	1		19.66		20.0	0.0	
100	64QAM	1	1		19.55				
100	256QAM	1	1		19.68				
Channel				633900	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		19.62	19.50	19.67	20.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		19.63	19.48	19.55	20.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		19.50	19.46	19.43	20.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		19.49	19.44	19.56	20.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		19.53	19.47	19.58	20.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		19.53	19.47	19.61	20.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		19.60	19.67	19.46	20.0	
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		19.50	19.46	19.58	20.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		19.50	19.52	19.62	20.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		19.47	19.49	19.57	20.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		19.62	19.47	19.53	20.0	

n7 Ant5 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	19.0	0.0
Frequency (MHz)				2535	2535	2545		
50	PI/2 BPSK	1	1	17.59	17.96	17.79		
50	PI/2 BPSK	1	67	17.61	17.93	17.72	19.0	0.0
50	PI/2 BPSK	1	131	17.53	17.99	17.77		
50	PI/2 BPSK	64	0	17.72	17.98	17.87		
50	PI/2 BPSK	64	35	17.67	17.86	17.91	19.0	0.0
50	PI/2 BPSK	64	69	17.52	17.93	17.68	19.0	0.0
50	PI/2 BPSK	128	0	17.57	17.89	17.83	19.0	0.0
50	QPSK	1	1	17.72	18.06	17.90		
50	QPSK	1	67	17.68	17.95	17.81		
50	QPSK	1	131	17.50	18.03	17.82	19.0	0.0
50	QPSK	64	0	17.71	18.04	17.81		
50	QPSK	64	35	17.52	18.05	17.71		
50	QPSK	64	69	17.62	17.98	17.80	19.0	0.0
50	QPSK	128	0	17.62	17.84	17.69		
50	16QAM	1	1	17.72	17.87	17.88	19.0	0.0
50	64QAM	1	1	17.53	18.01	17.68	19.0	0.0
50	256QAM	1	1	17.62	17.99	17.74	19.0	0.0
Channel				506000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	1	17.59	17.99	17.69		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.54	17.96	17.74		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	17.51	18.07	17.68		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	17.63	18.01	17.72		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	17.60	17.98	17.84		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.72	18.07	17.71	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	19.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	17.87	18.03	18.08	19.5	0.0
40	PI/2 BPSK	1	53	18.10	18.13	17.95		
40	PI/2 BPSK	1	104	17.98	18.16	18.11	19.5	0.0
40	PI/2 BPSK	50	0	18.06	18.09	18.02		
40	PI/2 BPSK	50	28	18.03	18.03	18.02	19.5	0.0
40	PI/2 BPSK	50	56	18.05	18.05	18.09		
40	PI/2 BPSK	100	0	17.92	18.15	17.99	19.5	0.0
40	QPSK	1	1	17.88	18.11	18.15		
40	QPSK	1	53	18.08	18.19	18.15	19.5	0.0
40	QPSK	1	104	17.93	18.13	18.04		
40	QPSK	50	0	18.05	18.16	18.02	19.5	0.0
40	QPSK	50	28	17.97	18.17	17.96		
40	QPSK	50	56	17.91	18.10	17.94	19.5	0.0
40	QPSK	100	0	17.93	18.18	18.04		
40	16QAM	1	1	18.03	18.00	17.99	19.5	0.0
40	64QAM	1	1	17.93	18.10	18.11		
40	256QAM	1	1	17.98	18.06	17.97	19.5	0.0
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99	19.5	0.0
30	QPSK	1	1	17.99	18.04	18.07		
Channel				516504	519000	521496	19.5	0.0
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	17.97	18.07	18.15	19.5	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610	19.5	0.0
20	QPSK	1	1	18.00	18.14	18.10		
Channel				515502	519000	522498	19.5	0.0
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.09	18.18	17.99	19.5	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98	19.5	0.0
10	QPSK	1	1	18.08	18.05	17.94		

n41 Ant5 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	19.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	17.99	18.01	18.02	19.5	0.0
100	PI/2 BPSK	1	137	17.88	18.07	18.04		
100	PI/2 BPSK	1	271	18.04	17.96	17.97	19.5	0.0
100	PI/2 BPSK	135	0	17.99	17.97	17.93		
100	PI/2 BPSK	135	69	17.99	17.95	18.10	19.5	0.0
100	PI/2 BPSK	135	138	18.01	18.13	18.01		
100	PI/2 BPSK	270	0	18.01	18.00	17.92	19.5	0.0
100	QPSK	1	1	17.96	18.17	17.92		
100	QPSK	1	137	18.09	18.20	18.10	19.5	0.0
100	QPSK	1	271	18.10	18.17	17.98		
100	QPSK	135	0	17.93	18.00	18.11	19.5	0.0
100	QPSK	135	69	18.03	18.13	18.05		
100	QPSK	135	138	17.93	18.09	18.03	19.5	0.0
100	QPSK	270	0	18.02	18.08	18.06		
100	16QAM	1	1	17.95	18.12	17.99	19.5	0.0
100	64QAM	1	1	17.95	18.03	18.08		
100	256QAM	1	1	17.95	18.04	17.88	19.5	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2592.99	2644.98	19.5	0.0
90	QPSK	1	1	17.99	18.18	18.03		
Channel				507204	518598	529998	19.5	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	17.95	18.12	18.01	19.5	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655	19.5	0.0
70	QPSK	1	1	18.00	18.01	17.96		
Channel				505200	518598	531996	19.5	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.06	18.05	17.97	19.5	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	19.5	0.0
50	QPSK	1	1	17.95	18.12	17.97		
Channel				503202	518598	534000	19.5	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.98	18.14	18.00	19.5	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98	19.5	0.0
30	QPSK	1	1	18.10	17.99	18.02		
Channel				501204	518598	535998	19.5	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.98	18.09	18.06	19.5	0.0
Channel				500200	518598	536996		
Frequency (MHz)				2503.5	2592.99	2682.48	19.5	0.0
15	QPSK	1	1	18.05	18.18	18.04		
Channel				500202	518598	537000	19.5	0.0
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	17.89	18.00	17.96	19.5	0.0

Par270 n77 Ant5 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	18.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.24	17.44	17.38			
100	PI/2 BPSK	1	137	17.35	17.44	17.27			
100	PI/2 BPSK	1	271	17.29	17.29	17.34	18.0	0.0	
100	PI/2 BPSK	135	0	17.22	17.32	17.35			
100	PI/2 BPSK	135	69	17.23	17.33	17.25			
100	PI/2 BPSK	135	138	17.29	17.40	17.37			
100	PI/2 BPSK	270	0	17.16	17.41	17.32	18.0	0.0	
100	QPSK	1	1	17.24	17.50	17.25			
100	QPSK	1	137	17.36	17.52	17.44			
100	QPSK	1	271	17.21	17.38	17.39			
100	QPSK	135	0	17.35	17.43	17.35	18.0	0.0	
100	QPSK	135	69	17.14	17.46	17.37			
100	QPSK	135	138	17.33	17.37	17.45			
100	QPSK	270	0	17.28	17.51	17.35			
100	16QAM	1	1	17.16	17.46	17.22	18.0	0.0	
100	64QAM	1	1	17.24	17.51	17.33			
100	256QAM	1	1	17.26	17.32	17.32			
Channel				649668	650000	632334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	18.0	0.0	
90	QPSK	1	1	17.17	17.45	17.37	18.0	0.0	
Channel				649334	650000	663668			
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.29	17.47	17.35		18.0	
Channel				649000	650000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	17.29	17.51	17.42		18.0	
Channel				648668	650000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	17.37	17.33	17.39		18.0	
Channel				648334	650000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	17.20	17.30	17.39		18.0	
Channel				648000	650000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.32	17.35	17.36		18.0	
Channel				647668	650000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	17.35	17.51	17.37		18.0	
Channel				647500	650000	664500			
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	17.35	17.41	17.44		18.0	
Channel				647234	650000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	17.37	17.40	17.29		18.0	
Channel				647168	650000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	17.20	17.42	17.24		18.0	
Channel				647000	650000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	17.26	17.47	17.29		18.0	

Part27Q n77 Ant5 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01	18.0	0.0	
Frequency (MHz)				17.41					
100	PI/2 BPSK	1	1	17.43					
100	PI/2 BPSK	1	137	17.50					
100	PI/2 BPSK	1	271	17.50		3500.01	18.0	0.0	
100	PI/2 BPSK	135	0	17.48					
100	PI/2 BPSK	135	69	17.35					
100	PI/2 BPSK	135	138	17.38					
100	PI/2 BPSK	270	0	17.49		3500.01	18.0	0.0	
100	QPSK	1	1	17.31					
100	QPSK	1	137	17.51					
100	QPSK	1	271	17.50					
100	QPSK	135	0	17.35		3500.01	18.0	0.0	
100	QPSK	135	69	17.36					
100	QPSK	135	138	17.31					
100	QPSK	270	0	17.48					
100	16QAM	1	1	17.36		3500.01	18.0	0.0	
100	64QAM	1	1	17.40					
100	256QAM	1	1	17.32					
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	18.0	0.0	
90	QPSK	1	1	17.08	17.09	17.13	18.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	17.13	17.29	17.28		18.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	17.12	17.28	17.22		18.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	17.21	17.16	17.21		18.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	17.16	17.26	17.14		18.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	17.14	17.24	17.27		18.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	17.16	17.17	17.21		18.0	
Channel				630834	633334	635834			
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	17.15	17.15	17.24		18.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	17.14	17.22	17.27		18.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	17.16	17.15	17.13		18.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	17.19	17.29	17.12		18.0	0.0

Part270 n78 PC2/3 Ant5 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000	19.0	0.0		
Frequency (MHz)				3750	3750	3750				
100	PI/2 BPSK	1	1		18.29					
100	PI/2 BPSK	1	137		18.27					
100	PI/2 BPSK	1	271		18.12		19.0	0.0		
100	PI/2 BPSK	135	0		18.16					
100	PI/2 BPSK	135	69		18.28					
100	PI/2 BPSK	135	138		18.08					
100	PI/2 BPSK	270	0		18.28		19.0	0.0		
100	QPSK	1	1		18.08					
100	QPSK	1	137		18.32					
100	QPSK	1	271		18.30					
100	QPSK	135	0		18.13		19.0	0.0		
100	QPSK	135	69		18.29					
100	QPSK	135	138		18.13					
100	QPSK	270	0		18.14					
100	16QAM	1	1		18.20		19.0	0.0		
100	64QAM	1	1		18.30					
100	256QAM	1	1		18.16					
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3750	3755.01				
90	QPSK	1	1		18.09	18.11	18.16	19.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)			
Frequency (MHz)				3740.01	3750	3760.02				
80	QPSK	1	1		18.13	18.07	18.14		19.0	
Channel				649000	650000	651000	Tune-up limit (dBm)			
Frequency (MHz)				3735	3750	3765				
70	QPSK	1	1		18.14	17.98	18.01	19.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)			
Frequency (MHz)				3730.02	3750	3770.01				
60	QPSK	1	1		18.07	18.07	18.14	19.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)			
Frequency (MHz)				3725.01	3750	3775.02				
50	QPSK	1	1		18.12	18.08	18.16	19.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)			
Frequency (MHz)				3720	3750	3780				
40	QPSK	1	1		18.04	18.02	18.16	19.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)			
Frequency (MHz)				3715.02	3750	3785.01				
30	QPSK	1	1		17.99	18.04	18.05	19.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)			
Frequency (MHz)				3712.5	3750	3787.5				
25	QPSK	1	1		18.03	18.16	18.16	19.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)			
Frequency (MHz)				3710.01	3750	3790.02				
20	QPSK	1	1		18.05	17.99	18.17	19.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)			
Frequency (MHz)				3707.52	3750	3792.51				
15	QPSK	1	1		18.00	18.09	18.18	19.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)			
Frequency (MHz)				3705	3750	3795				
10	QPSK	1	1		18.12	18.09	18.13	19.0	0.0	

Part27Q 78 PC2/3 Ant5 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel					633334		19.0	0.0		
Frequency (MHz)					3500.01					
100	PI/2 BPSK	1	1		18.07					
100	PI/2 BPSK	1	137		18.07					
100	PI/2 BPSK	1	271		18.18		19.0	0.0		
100	PI/2 BPSK	135	0		18.06					
100	PI/2 BPSK	135	69		18.13					
100	PI/2 BPSK	135	138		18.24					
100	PI/2 BPSK	270	0		18.22		19.0	0.0		
100	QPSK	1	1		18.17					
100	QPSK	1	137		18.25					
100	QPSK	1	271		18.04					
100	QPSK	135	0		18.09		19.0	0.0		
100	QPSK	135	69		18.15					
100	QPSK	135	138		18.12					
100	QPSK	270	0		18.25					
100	16QAM	1	1		18.08		19.0	0.0		
100	64QAM	1	1		18.06					
100	256QAM	1	1		18.05					
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3495	3500.01	3505.02				
90	QPSK	1	1		18.07	18.08	18.08	19.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)			
Frequency (MHz)				3490.02	3500.01	3510				
80	QPSK	1	1		18.20	18.16	18.24	19.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)			
Frequency (MHz)				3485.01	3500.01	3515.01				
70	QPSK	1	1		18.12	18.27	18.09	19.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)			
Frequency (MHz)				3480	3500.01	3520.02				
60	QPSK	1	1		18.21	18.14	18.10	19.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)			
Frequency (MHz)				3475.02	3500.01	3525				
50	QPSK	1	1		18.17	18.25	18.29	19.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)			
Frequency (MHz)				3470.01	3500.01	3530.01				
40	QPSK	1	1		18.08	18.27	18.14	19.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)			
Frequency (MHz)				3465	3500.01	3535.02				
30	QPSK	1	1		18.20	18.16	18.08	19.0	0.0	
Channel				630834	633334	635834	Tune-up limit (dBm)			
Frequency (MHz)				3462.51	3500.01	3537.51				
25	QPSK	1	1		18.14	18.28	18.08	19.0	0.0	
Channel				630568	633334	636000	Tune-up limit (dBm)			
Frequency (MHz)				3460.02	3500.01	3540				
20	QPSK	1	1		18.06	18.28	18.06	19.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)			
Frequency (MHz)				3457.5	3500.01	3542.52				
15	QPSK	1	1		18.21	18.16	18.08	19.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)			
Frequency (MHz)				3455.01	3500.01	3545.01				
10	QPSK	1	1		18.28	18.26	18.08	19.0	0.0	

Reduced Power Mode for DSI 3_Main PA

DFT-30

n5 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166900	167900	167800	25.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	24.06	24.69	24.61			
20	PI/2 BPSK	1	26	24.54	24.56	24.42			
20	PI/2 BPSK	1	49	24.53	24.61	24.60	25.0	0.5	
20	PI/2 BPSK	25	0	23.91	24.02	24.01			
20	PI/2 BPSK	25	13	24.58	24.65	24.54			
20	PI/2 BPSK	25	26	24.12	24.12	24.01			
20	PI/2 BPSK	50	0	23.93	24.08	24.02	25.0	0.5	
20	QPSK	1	1	24.72	24.78	24.64	25.5	0.0	
20	QPSK	1	26	24.73	24.74	24.60			
20	QPSK	1	49	24.69	24.72	24.69			
20	QPSK	25	0	23.69	23.79	23.76		24.5	
20	QPSK	25	13	24.71	24.76	24.65	25.5	0.0	
20	QPSK	25	26	23.58	23.67	23.56	24.5	1.0	
20	QPSK	50	0	23.58	23.59	23.47			
20	16QAM	1	1	23.42	23.48	23.36		24.5	
20	64QAM	1	1	22.12	22.12	21.99	23.0	2.5	
20	256QAM	1	1	20.37	20.39	20.25	21.0	4.5	
Channel				166900	167900	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.93	24.04	24.01	25.5	0.0	
Channel				165800	167900	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.97	24.11	24.08	25.5	0.0	

n7 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	24.5	0.0	
Frequency (MHz)				2535	2535	2545			
50	PI/2 BPSK	1	1	22.88	22.99	22.95			
50	PI/2 BPSK	1	67	22.76	22.83	22.83			
50	PI/2 BPSK	1	131	22.56	22.57	22.58	24.0	0.5	
50	PI/2 BPSK	64	0	22.56	22.59	22.54			
50	PI/2 BPSK	64	35	22.77	22.92	22.86			
50	PI/2 BPSK	64	69	22.08	22.14	22.08			
50	PI/2 BPSK	128	0	22.29	22.41	22.38	24.0	0.5	
50	QPSK	1	1	22.98	23.05	22.91	24.5	0.0	
50	QPSK	1	67	22.75	22.87	22.83			
50	QPSK	1	131	22.54	22.53	22.57			
50	QPSK	64	0	22.00	22.11	22.08		23.5	
50	QPSK	64	35	22.91	22.97	22.93	24.5	0.0	
50	QPSK	64	69	21.71	21.74	21.69	23.5	1.0	
50	QPSK	128	0	21.80	21.90	21.89			
50	16QAM	1	1	21.81	21.87	21.80		23.5	
50	64QAM	1	1	20.34	20.36	20.33	22.0	2.5	
50	256QAM	1	1	18.92	18.94	18.83	20.0	4.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	22.78	22.93	22.88	24.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.92	22.89	22.87	24.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.74	22.88	22.97	24.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	22.80	22.92	22.94	24.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	22.78	22.89	22.96	24.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.80	23.00	22.96	24.5	0.0	

n38 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	24.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.53	22.56	22.52			
40	PI/2 BPSK	1	53	22.91	22.97	22.94			
40	PI/2 BPSK	1	104	22.52	22.54	22.51	24.0	0.5	
40	PI/2 BPSK	50	0	22.34	22.38	22.31			
40	PI/2 BPSK	50	28	22.82	22.94	22.82			
40	PI/2 BPSK	50	56	22.18	22.32	22.26			
40	PI/2 BPSK	100	0	22.23	22.37	22.33	24.5	0.0	
40	QPSK	1	1	22.56	22.58	22.54			
40	QPSK	1	53	22.88	23.02	22.97			
40	QPSK	1	104	22.55	22.53	22.51			
40	QPSK	50	0	21.74	21.87	21.76	23.5	1.0	
40	QPSK	50	28	22.90	22.98	22.91			
40	QPSK	50	56	21.75	21.82	21.67			
40	QPSK	100	0	21.77	21.85	21.75			
40	16QAM	1	1	21.53	21.61	21.56	23.5	1.0	
40	64QAM	1	1	20.18	20.29	20.26			
40	256QAM	1	1	18.36	18.42	18.31			
Channel				517002	519000	520998	24.5	0.0	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.55	22.52	22.53			
Channel				516504	519000	521496	24.5	0.0	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.61	22.54	22.51		0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.52	22.56	22.54	24.5	0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.57	22.51	22.56		0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.51	22.52	22.60		0.0	

n41 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	24.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.52	22.56	22.51			
100	PI/2 BPSK	1	137	22.94	23.05	23.00			
100	PI/2 BPSK	1	271	22.58	22.54	22.55	24.0	0.5	
100	PI/2 BPSK	135	0	22.35	22.42	22.38			
100	PI/2 BPSK	135	69	22.92	23.00	22.93			
100	PI/2 BPSK	135	138	22.17	22.30	22.22			
100	PI/2 BPSK	270	0	22.35	22.39	22.26	24.5	0.0	
100	QPSK	1	1	22.56	22.63	22.51			
100	QPSK	1	137	22.97	23.11	23.05			
100	QPSK	1	271	22.54	22.51	22.52			
100	QPSK	135	0	21.82	21.92	21.87	23.5	1.0	
100	QPSK	135	69	22.97	23.08	23.05			
100	QPSK	135	138	21.78	21.83	21.82			
100	QPSK	270	0	21.86	21.88	21.86			
100	16QAM	1	1	21.59	21.52	21.56	23.5	1.0	
100	64QAM	1	1	20.06	20.10	20.01			
100	256QAM	1	1	18.06	18.11	18.03			
Channel				508200	518598	528998	24.5	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.56	22.60	22.56		0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	22.61	22.62	22.54	24.5	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.64	22.64	22.53		0.0	
Channel				505200	518598	531998			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.59	22.66	22.53	24.5	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.55	22.72	22.53		0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.64	22.61	22.47	24.5	0.0	
Channel				502200	518598	534998			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.54	22.71	22.58		0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.55	22.68	22.56	24.5	0.0	
Channel				500700	518598	536998			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.51	22.73	22.47		0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.63	22.59	22.51		0.0	

n5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	25.7	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	24.01	24.11	24.06			
20	PI/2 BPSK	1	26	23.89	24.00	23.90	25.2	0.5	
20	PI/2 BPSK	1	49	24.00	24.07	23.99			
20	PI/2 BPSK	25	0	23.58	23.68	23.57			
20	PI/2 BPSK	25	13	23.91	24.04	23.91	25.7	0.0	
20	PI/2 BPSK	25	26	23.72	23.81	23.77	25.2	0.5	
20	PI/2 BPSK	50	0	23.67	23.71	23.65			
20	QPSK	1	1	24.06	24.13	23.99			
20	QPSK	1	26	23.95	24.06	24.00	24.7	1.0	
20	QPSK	1	49	23.96	24.08	24.02			
20	QPSK	25	0	23.00	23.07	23.00			
20	QPSK	25	13	24.04	24.12	24.01	25.7	0.0	
20	QPSK	25	26	23.09	23.21	23.12	24.7	1.0	
20	QPSK	50	0	23.16	23.20	23.08			
20	16QAM	1	1	22.90	22.93	22.81	24.7	1.0	
20	64QAM	1	1	21.41	21.51	21.39	23.2	2.5	
20	256QAM	1	1	19.69	19.77	19.69	21.2	4.5	
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834.5	836.5	841.5			
15	QPSK	1	1	23.96	24.09	23.90	25.7	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.93	24.05	23.93	25.7	0.0	

n7 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	25.0	0.0	
Frequency (MHz)				2535	2535	2545			
50	PI/2 BPSK	1	1	23.77	23.91	23.78			
50	PI/2 BPSK	1	67	23.58	23.71	23.63	24.5	0.5	
50	PI/2 BPSK	1	131	23.63	23.67	23.58			
50	PI/2 BPSK	64	0	23.31	23.41	23.35			
50	PI/2 BPSK	64	35	23.72	23.82	23.77	25.0	0.0	
50	PI/2 BPSK	64	69	22.92	22.95	22.91	24.5	0.5	
50	PI/2 BPSK	128	0	23.13	23.20	23.08			
50	QPSK	1	1	23.94	23.97	23.84			
50	QPSK	1	67	23.59	23.65	23.53	24.0	1.0	
50	QPSK	1	131	23.49	23.56	23.43			
50	QPSK	64	0	22.88	23.02	22.95			
50	QPSK	64	35	23.81	23.85	23.71	25.0	0.0	
50	QPSK	64	69	22.45	22.56	22.44	24.0	1.0	
50	QPSK	128	0	22.62	22.73	22.61			
50	16QAM	1	1	22.66	22.71	22.67	24.0	1.0	
50	64QAM	1	1	21.14	21.23	21.16	22.5	2.5	
50	256QAM	1	1	19.66	19.80	19.68	20.5	4.5	
Channel				504800	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2530	2535	2550			
40	QPSK	1	1	23.91	23.93	23.73	25.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.86	23.90	23.78	25.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	23.85	23.87	23.71	25.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	23.84	23.88	23.73	25.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.85	23.87	23.73	25.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.79	23.86	23.80	25.0	0.0	

n38 Ant1 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	25.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.58	23.52	23.57		
40	PI/2 BPSK	1	53	24.05	24.15	24.03		
40	PI/2 BPSK	1	104	23.59	23.51	23.56	25.0	0.5
40	PI/2 BPSK	50	0	23.77	23.91	23.86		
40	PI/2 BPSK	50	28	24.33	24.37	24.30		
40	PI/2 BPSK	50	56	23.84	23.98	23.90		
40	PI/2 BPSK	100	0	23.85	23.93	23.80	25.5	0.0
40	QPSK	1	1	23.53	23.56	23.54		
40	QPSK	1	53	24.38	24.45	24.31		
40	QPSK	1	104	23.56	23.53	23.57		
40	QPSK	50	0	23.28	23.37	23.33	24.5	1.0
40	QPSK	50	28	24.25	24.35	24.20	25.5	0.0
40	QPSK	50	56	23.35	23.38	23.30	24.5	1.0
40	QPSK	100	0	23.36	23.43	23.35		
40	16QAM	1	1	22.51	22.55	22.56	24.5	1.0
40	64QAM	1	1	21.01	21.09	21.11	23.0	2.5
40	256QAM	1	1	19.93	19.97	19.89	21.0	4.5
Channel				517002	518000	518998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.54	23.59	23.56	25.5	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	23.52	23.57	23.51	25.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.54	23.58	23.55	25.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.57	23.53	23.52	25.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	23.55	23.51	23.56	25.5	0.0

n41 Ant1 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	25.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.61	23.53	23.56		
100	PI/2 BPSK	1	137	24.27	24.34	24.26		
100	PI/2 BPSK	1	271	23.51	23.60	23.58	25.0	0.5
100	PI/2 BPSK	135	0	23.52	23.65	23.55		
100	PI/2 BPSK	135	69	24.20	24.29	24.25		
100	PI/2 BPSK	135	138	23.70	23.70	23.64		
100	PI/2 BPSK	270	0	23.64	23.69	23.66	25.5	0.0
100	QPSK	1	1	23.54	23.58	23.51		
100	QPSK	1	137	24.38	24.39	24.26		
100	QPSK	1	271	23.65	23.66	23.56		
100	QPSK	135	0	23.02	23.13	23.09	24.5	1.0
100	QPSK	135	69	24.30	24.34	24.25	25.5	0.0
100	QPSK	135	138	23.13	23.18	23.06	24.5	1.0
100	QPSK	270	0	23.15	23.20	23.18		
100	16QAM	1	1	22.56	22.64	22.51	24.5	1.0
100	64QAM	1	1	21.05	21.16	21.12	23.0	2.5
100	256QAM	1	1	19.17	19.31	19.23	21.0	4.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.52	23.61	23.64	25.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.55	23.68	23.55	25.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.56	23.62	23.54	25.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.58	23.65	23.64	25.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.57	23.64	23.54	25.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.58	23.60	23.62	25.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.51	23.65	23.52	25.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.63	23.59	23.53	25.5	0.0
Channel				500200	518598	536996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	23.52	23.68	23.64	25.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.55	23.71	23.55	25.5	0.0

n7 Ant2 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	23.0	0.0
Frequency (MHz)				2535	2535	2545		
50	PI/2 BPSK	1	1	21.36	21.57	21.50		
50	PI/2 BPSK	1	67	21.30	21.64	21.47	23.0	0.0
50	PI/2 BPSK	1	131	21.49	21.52	21.40		
50	PI/2 BPSK	64	0	21.39	21.59	21.50		
50	PI/2 BPSK	64	35	21.31	21.49	21.42	23.0	0.0
50	PI/2 BPSK	64	69	21.30	21.47	21.47		
50	PI/2 BPSK	128	0	21.27	21.61	21.42		
50	QPSK	1	1	21.49	21.65	21.59	23.0	0.0
50	QPSK	1	67	21.40	21.46	21.54		
50	QPSK	1	131	21.37	21.49	21.56		
50	QPSK	64	0	21.45	21.60	21.39	22.0	1.0
50	QPSK	64	35	21.42	21.62	21.42		
50	QPSK	64	69	21.35	21.56	21.54		
50	QPSK	128	0	21.36	21.62	21.48	22.0	1.0
50	16QAM	1	1	21.30	21.48	21.41		
50	64QAM	1	1	19.96	20.17	20.11		
50	256QAM	1	1	17.91	18.25	18.08	19.5	3.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	1	21.41	21.51	21.55		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	21.40	21.50	21.44		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	21.50	21.65	21.43		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	21.35	21.61	21.38		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.30	21.56	21.54		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.41	21.63	21.60		

n38 Ant2 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				516004	519000	519996	24.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.07	22.14	22.20			
40	PI/2 BPSK	1	53	22.15	22.30	22.09	24.0	0.0	
40	PI/2 BPSK	1	104	22.11	22.17	22.04			
40	PI/2 BPSK	50	0	22.10	22.26	22.20			
40	PI/2 BPSK	50	28	22.17	22.17	22.19	24.0	0.0	
40	PI/2 BPSK	50	56	22.14	22.25	22.08			
40	PI/2 BPSK	100	0	22.11	22.30	22.09			
40	QPSK	1	1	22.30	22.13	22.10	24.0	0.0	
40	QPSK	1	53	22.18	22.34	22.23			
40	QPSK	1	104	22.30	22.26	22.25			
40	QPSK	50	0	22.26	22.32	22.12	24.0	0.0	
40	QPSK	50	28	22.15	22.33	22.23			
40	QPSK	50	56	22.22	22.24	22.04			
40	QPSK	100	0	22.17	22.30	22.18	24.0	0.0	
40	16QAM	1	1	22.06	22.23	22.14			
40	64QAM	1	1	20.71	20.84	20.69		22.5	
40	256QAM	1	1	18.59	18.85	18.64	20.5	20.5	
Channel				517002	519000	520998		Tune-up limit	
Frequency (MHz)				2585.01	2595	2604.99		MPR (dB)	
30	QPSK	1	1	22.06	22.23	22.14	24.0	0.0	
Channel				516504	519000	521496		Tune-up limit	
Frequency (MHz)				2592.52	2595	2607.48		(dB)	
25	QPSK	1	1	22.02	22.15	22.05	24.0	0.0	
Channel				516000	519000	522000		Tune-up limit	
Frequency (MHz)				2580	2595	2610		MPR (dB)	
20	QPSK	1	1	22.07	22.27	22.15	24.0	0.0	
Channel				515502	519000	522498		Tune-up limit	
Frequency (MHz)				2577.51	2595	2612.49		(dB)	
15	QPSK	1	1	22.18	22.14	22.03	24.0	0.0	
Channel				515004	519000	522996		Tune-up limit	
Frequency (MHz)				2575.02	2595	2614.98		(dB)	
10	QPSK	1	1	22.03	22.30	22.04	24.0	0.0	

n41 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	24.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.04	23.05	23.03			
100	PI/2 BPSK	1	137	23.16	23.25	23.19	24.5	0.0	
100	PI/2 BPSK	1	271	23.02	23.09	23.04			
100	PI/2 BPSK	135	0	22.67	22.70	22.66		24.0	
100	PI/2 BPSK	135	69	23.19	23.24	23.16	24.0	0.5	
100	PI/2 BPSK	135	138	22.64	22.68	22.67			
100	PI/2 BPSK	270	0	22.68	22.71	22.66			
100	QPSK	1	1	23.03	23.09	23.05	24.5	0.0	
100	QPSK	1	137	23.25	23.31	23.19			
100	QPSK	1	271	23.02	23.08	23.03			
100	QPSK	135	0	22.15	22.29	22.18	23.5	1.0	
100	QPSK	135	69	23.22	23.25	23.16			
100	QPSK	135	138	22.14	22.22	22.19			
100	QPSK	270	0	22.19	22.26	22.24	23.5	1.0	
100	16QAM	1	1	22.08	22.14	22.09			
100	64QAM	1	1	20.59	20.66	20.55		22.0	
100	256QAM	1	1	18.89	18.99	18.95	20.0	20.0	
Channel				509200	518598	528098		Tune-up limit	
Frequency (MHz)				2541	2592.99	2644.98		MPR (dB)	
90	QPSK	1	1	23.06	23.02	23.07	24.5	0.0	
Channel				507204	518598	529998		Tune-up limit	
Frequency (MHz)				2536.02	2592.99	2649.99		(dB)	
80	QPSK	1	1	23.07	23.01	23.11	24.5	0.0	
Channel				506202	518598	531000		Tune-up limit	
Frequency (MHz)				2531.01	2592.99	2655		MPR (dB)	
70	QPSK	1	1	23.05	23.02	23.09	24.5	0.0	
Channel				505200	518598	531996		Tune-up limit	
Frequency (MHz)				2526	2592.99	2659.98		(dB)	
60	QPSK	1	1	23.08	23.06	23.06	24.5	0.0	
Channel				504204	518598	532998		Tune-up limit	
Frequency (MHz)				2521.02	2592.99	2664.99		MPR (dB)	
50	QPSK	1	1	23.06	23.01	23.08	24.5	0.0	
Channel				503202	518598	534000		Tune-up limit	
Frequency (MHz)				2516.01	2592.99	2670		(dB)	
40	QPSK	1	1	23.02	23.08	23.04	24.5	0.0	
Channel				502200	518598	534996		Tune-up limit	
Frequency (MHz)				2511	2592.99	2674.98		MPR (dB)	
30	QPSK	1	1	23.05	23.06	23.10	24.5	0.0	
Channel				501204	519598	535998		Tune-up limit	
Frequency (MHz)				2506.02	2592.99	2679.99		(dB)	
20	QPSK	1	1	23.03	23.09	23.06	24.5	0.0	
Channel				500700	518598	536496		Tune-up limit	
Frequency (MHz)				2503.5	2592.99	2682.48		MPR (dB)	
15	QPSK	1	1	23.05	23.01	23.11	24.5	0.0	
Channel				500202	518598	537000		Tune-up limit	
Frequency (MHz)				2501.01	2592.99	2685		MPR (dB)	
10	QPSK	1	1	23.01	23.08	23.04	24.5	0.0	

Par270 n77 Ant2 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930	22.0	0.0	
Frequency (MHz)				65000	65600	66200			
100	PI/2 BPSK	1	1	20.65	20.82	20.86			
100	PI/2 BPSK	1	137	20.79	20.95	20.62			
100	PI/2 BPSK	1	271	20.78	20.93	20.84	22.0	0.0	
100	PI/2 BPSK	135	0	20.72	21.00	20.76			
100	PI/2 BPSK	135	69	20.69	20.85	20.68			
100	PI/2 BPSK	135	138	20.62	20.85	20.77			
100	PI/2 BPSK	270	0	20.69	20.91	20.79	22.0	0.0	
100	QPSK	1	1	20.64	20.94	20.80			
100	QPSK	1	137	20.79	21.05	20.84			
100	QPSK	1	271	20.60	20.94	20.80			
100	QPSK	135	0	20.60	20.96	20.86	22.0	0.0	
100	QPSK	135	69	20.81	21.02	20.65			
100	QPSK	135	138	20.63	20.91	20.80			
100	QPSK	270	0	20.73	20.86	20.64			
100	16QAM	1	1	20.78	21.00	20.68	22.0	0.0	
100	64QAM	1	1	20.34	20.57	20.30			
100	256QAM	1	1	18.28	18.48	18.38			
100	256QAM	1	1	18.28	18.48	18.38			
Channel				649668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	22.0	0.0	
90	QPSK	1	1	20.74	20.88	20.81			
Channel				649334	656000	662668		MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.62	20.90	20.81		22.0	
Channel				649000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	20.57	20.84	20.80		22.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.63	21.00	20.84		22.0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	20.66	21.02	20.80		22.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	20.63	20.84	20.78		22.0	
Channel				647668	656000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	20.73	20.88	20.84		22.0	
Channel				647500	656000	664500			
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	20.67	20.94	20.83		22.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.61	21.02	20.66		22.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	20.78	20.89	20.66		22.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	20.76	20.88	20.77		22.0	

Part27Q n77 Ant2 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel						3500.01	22.0	0.0	
Frequency (MHz)						633334			
100	PI/2 BPSK	1	1			21.10			
100	PI/2 BPSK	1	137			21.14			
100	PI/2 BPSK	1	271			21.17	22.0	0.0	
100	PI/2 BPSK	135	0			21.06			
100	PI/2 BPSK	135	69			21.28			
100	PI/2 BPSK	135	138			21.18			
100	PI/2 BPSK	270	0			21.18	22.0	0.0	
100	QPSK	1	1			21.27			
100	QPSK	1	137			21.30			
100	QPSK	1	271			21.17			
100	QPSK	135	0			21.11	22.0	0.0	
100	QPSK	135	69			21.15			
100	QPSK	135	138			21.14			
100	QPSK	270	0			21.28			
100	16QAM	1	1			21.28	22.0	0.0	
100	64QAM	1	1			20.78			
100	256QAM	1	1			18.30			
100	256QAM	1	1			18.30			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	22.0	0.0	
90	QPSK	1	1	21.14	20.98	21.17			
Channel				632668	633334	634000		MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	21.01	21.01	21.14		22.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	21.05	20.94	21.01		22.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	21.02	20.95	21.10		22.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	21.05	20.96	21.00		22.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	21.08	21.08	21.03		22.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	20.97	21.03	21.18		22.0	
Channel				630634	633334	635834			
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	20.97	21.00	21.00		22.0	
Channel				630368	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	21.03	20.96	21.03		22.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	21.05	21.08	21.01		22.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	20.95	20.98	21.07		22.0	

Part270 n78 PC2/3 Ant2 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	23.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		22.08				
100	PI/2 BPSK	1	137		22.17				
100	PI/2 BPSK	1	271		22.11		23.0	0.0	
100	PI/2 BPSK	135	0		22.12				
100	PI/2 BPSK	135	69		22.28				
100	PI/2 BPSK	135	138		22.18				
100	PI/2 BPSK	270	0		22.08		23.0	0.0	
100	QPSK	1	1		22.12				
100	QPSK	1	137		22.31				
100	QPSK	1	271		22.14				
100	QPSK	135	0		22.12		23.0	0.0	
100	QPSK	135	69		22.26				
100	QPSK	135	138		22.14				
100	QPSK	270	0		22.12				
100	16QAM	1	1		22.09		23.0	0.0	
100	64QAM	1	1		22.03				
100	256QAM	1	1		20.56				
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.06	22.03	22.04	23.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		22.06	22.12	22.08	23.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.04	22.07	22.09	23.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.01	22.11	22.16	23.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.08	22.05	22.03	23.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.05	22.04	22.08	23.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		22.06	22.02	22.01	23.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		22.08	22.03	22.05	23.0	
Channel				647334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3780.02			
20	QPSK	1	1		22.06	22.10	22.02	23.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		22.08	22.04	22.01	23.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		22.06	22.12	22.10	23.0	

Part27Q 78 PC2/3 Ant2 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			23.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		22.19				
100	PI/2 BPSK	1	137		22.29				
100	PI/2 BPSK	1	271		22.21		23.0	0.0	
100	PI/2 BPSK	135	0		22.32				
100	PI/2 BPSK	135	69		22.39				
100	PI/2 BPSK	135	138		22.20				
100	PI/2 BPSK	270	0		22.36		23.0	0.0	
100	QPSK	1	1		22.21				
100	QPSK	1	137		22.44				
100	QPSK	1	271		22.29				
100	QPSK	135	0		22.34		23.0	0.0	
100	QPSK	135	69		22.41				
100	QPSK	135	138		22.25				
100	QPSK	270	0		22.37				
100	16QAM	1	1		22.21		23.0	0.0	
100	64QAM	1	1		22.17				
100	256QAM	1	1		21.43				
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		22.18	22.17	22.21	23.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		22.21	22.22	22.15	23.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		22.18	22.19	22.14	23.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		22.15	22.18	22.15	23.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		22.16	22.15	22.14	23.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		22.15	22.14	22.20	23.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		22.17	22.16	22.21	23.0	
Channel				630634	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		22.21	22.16	22.17	23.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		22.14	22.21	22.18	23.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		22.17	22.15	22.20	23.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		22.20	22.21	22.19	23.0	

Par270 n77 Ant3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	20.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.22	19.29	19.30			
100	PI/2 BPSK	1	137	19.05	19.35	19.29			
100	PI/2 BPSK	1	271	19.17	19.37	19.21	20.0	0.0	
100	PI/2 BPSK	135	0	19.10	19.36	19.20			
100	PI/2 BPSK	135	69	19.07	19.48	19.27			
100	PI/2 BPSK	135	138	19.08	19.33	19.23			
100	PI/2 BPSK	270	0	19.14	19.34	19.21	20.0	0.0	
100	QPSK	1	1	19.13	19.48	19.36			
100	QPSK	1	137	19.26	19.50	19.42			
100	QPSK	1	271	19.07	19.32	19.37			
100	QPSK	135	0	19.14	19.45	19.29	20.0	0.0	
100	QPSK	135	69	19.23	19.46	19.42			
100	QPSK	135	138	19.09	19.43	19.39			
100	QPSK	270	0	19.11	19.30	19.29			
100	16QAM	1	1	19.18	19.37	19.43	20.0	0.0	
100	64QAM	1	1	18.74	19.07	18.93			
100	256QAM	1	1	18.66	18.87	18.93			
Channel				649668	656000	662334			
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	MPR (dB)	
90	QPSK	1	1	19.23	19.46	19.40	20.0	0.0	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	19.12	19.44	19.22		20.0	
Channel				649000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	19.07	19.34	19.39		20.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.23	19.42	19.37		20.0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.20	19.36	19.38		20.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.19	19.26	19.31		20.0	
Channel				647668	656000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	19.04	19.32	19.25		20.0	
Channel				647500	656000	664500			
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	19.20	19.37	19.38		20.0	
Channel				647234	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.11	19.33	19.29		20.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	19.20	19.36	19.35		20.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	19.24	19.33	19.41		20.0	

Part27Q n77 Ant3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		19.27		20.0	0.0	
100	PI/2 BPSK	1	137		19.39				
100	PI/2 BPSK	1	271		19.28				
100	PI/2 BPSK	135	0		19.44		20.0	0.0	
100	PI/2 BPSK	135	69		19.36		20.0	0.0	
100	PI/2 BPSK	135	138		19.50		20.0	0.0	
100	PI/2 BPSK	270	0		19.36				
100	QPSK	1	1		19.41		20.0	0.0	
100	QPSK	1	137		19.52				
100	QPSK	1	271		19.28				
100	QPSK	135	0		19.38		20.0	0.0	
100	QPSK	135	69		19.48		20.0	0.0	
100	QPSK	135	138		19.27		20.0	0.0	
100	QPSK	270	0		19.39				
100	16QAM	1	1		19.33		20.0	0.0	
100	64QAM	1	1		19.45		19.5	0.5	
100	256QAM	1	1		16.81		17.5	2.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	19.33	19.41	19.44	20.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	19.23	19.25	19.31	20.0	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	19.44	19.41	19.31	20.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	19.45	19.35	19.38	20.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	19.37	19.26	19.27	20.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	19.25	19.26	19.25	20.0	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	19.44	19.35	19.33	20.0	0.0	
Channel				630834	633334	635834	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)	
25	QPSK	1	1	19.40	19.39	19.25	20.0	0.0	
Channel				630568	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	19.22	19.35	19.36	20.0	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	19.21	19.45	19.27	20.0	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	19.31	19.21	19.34	20.0	0.0	

Part270 n78 PC2/3 Ant3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	20.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		19.02				
100	PI/2 BPSK	1	137		18.88		20.0	0.0	
100	PI/2 BPSK	1	271		19.02				
100	PI/2 BPSK	135	0		18.87				
100	PI/2 BPSK	135	69		18.81		20.0	0.0	
100	PI/2 BPSK	135	138		19.03		20.0	0.0	
100	PI/2 BPSK	270	0		18.99		20.0	0.0	
100	QPSK	1	1		19.01		20.0	0.0	
100	QPSK	1	137		19.05				
100	QPSK	1	271		18.90				
100	QPSK	135	0		18.99		20.0	0.0	
100	QPSK	135	69		19.00		20.0	0.0	
100	QPSK	135	138		18.94		20.0	0.0	
100	QPSK	270	0		19.01		20.0	0.0	
100	16QAM	1	1		18.81		20.0	0.0	
100	64QAM	1	1		18.87		20.0	0.0	
100	256QAM	1	1		18.51		19.5	0.5	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		18.83	18.83	18.80	20.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		18.82	18.85	18.78	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		18.92	18.82	18.83	20.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		18.98	18.92	18.94	20.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		18.85	19.01	19.01	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		18.96	18.89	18.81	20.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		18.87	18.81	18.79	20.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		18.93	18.86	19.01	20.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		18.81	18.99	18.86	20.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		18.83	18.94	18.99	20.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		18.84	18.78	18.84	20.0	0.0

Part27Q 78 PC2/3 Ant3 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		20.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		19.33				
100	PI/2 BPSK	1	137		19.47		20.0	0.0	
100	PI/2 BPSK	1	271		19.31				
100	PI/2 BPSK	135	0		19.25			0.0	
100	PI/2 BPSK	135	69		19.39		20.0	0.0	
100	PI/2 BPSK	135	138		19.37		20.0	0.0	
100	PI/2 BPSK	270	0		19.46		20.0	0.0	
100	QPSK	1	1		19.44		20.0	0.0	
100	QPSK	1	137		19.48				
100	QPSK	1	271		19.47				
100	QPSK	135	0		19.40		20.0	0.0	
100	QPSK	135	69		19.42		20.0	0.0	
100	QPSK	135	138		19.34		20.0	0.0	
100	QPSK	270	0		19.31		20.0	0.0	
100	16QAM	1	1		19.29		20.0	0.0	
100	64QAM	1	1		19.35		20.0	0.0	
100	256QAM	1	1		19.04		19.5	0.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		19.31	19.30	19.24	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510.01			
80	QPSK	1	1		19.39	19.46	19.42	20.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		19.37	19.32	19.37	20.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		19.43	19.37	19.29	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525.01			
50	QPSK	1	1		19.32	19.28	19.24	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		19.31	19.42	19.34	20.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		19.33	19.33	19.26	20.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		19.44	19.41	19.32	20.0	0.0
Channel				630568	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540.01			
20	QPSK	1	1		19.28	19.31	19.36	20.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		19.46	19.44	19.45	20.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		19.36	19.35	19.42	20.0	0.0

Par270 n77 Ant4 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	19.7	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.47	19.51	19.35			
100	PI/2 BPSK	1	137	19.31	19.57	19.43			
100	PI/2 BPSK	1	271	19.46	19.56	19.51	19.7	0.0	
100	PI/2 BPSK	135	0	19.36	19.40	19.38			
100	PI/2 BPSK	135	69	19.48	19.38	19.51			
100	PI/2 BPSK	135	138	19.34	19.42	19.30			
100	PI/2 BPSK	270	0	19.33	19.43	19.48	19.7	0.0	
100	QPSK	1	1	19.35	19.55	19.31			
100	QPSK	1	137	19.48	19.66	19.52			
100	QPSK	1	271	19.29	19.57	19.46			
100	QPSK	135	0	19.33	19.48	19.46	19.7	0.0	
100	QPSK	135	69	19.50	19.61	19.52			
100	QPSK	135	138	19.27	19.60	19.43			
100	QPSK	270	0	19.39	19.45	19.41			
100	16QAM	1	1	19.43	19.45	19.36	19.7	0.0	
100	64QAM	1	1	19.35	19.57	19.35			
100	256QAM	1	1	19.27	19.49	19.32			
Channel				649668	656000	663334		19.7	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	19.40	19.51	19.52		19.7	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	19.34	19.49	19.45	19.7	0.0	
Channel				649000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	19.30	19.59	19.39		19.7	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.36	19.45	19.54	19.7	0.0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.40	19.45	19.31		19.7	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.27	19.43	19.34	19.7	0.0	
Channel				647668	656000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	19.49	19.57	19.51		19.7	
Channel				647500	656000	664500			
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	19.43	19.57	19.45	19.7	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.49	19.40	19.30		19.7	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	19.26	19.48	19.49	19.7	0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	19.47	19.60	19.38		19.7	

Part27Q n77 Ant4 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel						3500.01	19.7	0.0	
Frequency (MHz)						3500.01			
100	PI/2 BPSK	1	1			19.57			
100	PI/2 BPSK	1	137			19.50			
100	PI/2 BPSK	1	271			19.44	19.7	0.0	
100	PI/2 BPSK	135	0			19.56			
100	PI/2 BPSK	135	69			19.46			
100	PI/2 BPSK	135	138			19.51			
100	PI/2 BPSK	270	0			19.48	19.7	0.0	
100	QPSK	1	1			19.57			
100	QPSK	1	137			19.63			
100	QPSK	1	271			19.60			
100	QPSK	135	0			19.53	19.7	0.0	
100	QPSK	135	69			19.55			
100	QPSK	135	138			19.43			
100	QPSK	270	0			19.43			
100	16QAM	1	1			19.62	19.7	0.0	
100	64QAM	1	1			19.42			
100	256QAM	1	1			19.47			
Channel				633000	633334	633668		19.7	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	19.35	19.22	19.29		19.7	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	19.21	19.43	19.19		19.7	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	19.37	19.42	19.35		19.7	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	19.37	19.38	19.37		19.7	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	19.40	19.42	19.23		19.7	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	19.32	19.39	19.22		19.7	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	19.38	19.38	19.25		19.7	
Channel				630834	633334	635834			
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	19.39	19.33	19.42		19.7	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	19.33	19.28	19.40		19.7	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	19.42	19.19	19.27		19.7	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	19.37	19.31	19.31		19.7	

Part270 n78 PC2/3 Ant4 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	20.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		19.47				
100	PI/2 BPSK	1	137		19.61		20.0	0.0	
100	PI/2 BPSK	1	271		19.55				
100	PI/2 BPSK	135	0		19.42				
100	PI/2 BPSK	135	69		19.48		20.0	0.0	
100	PI/2 BPSK	135	138		19.46		20.0	0.0	
100	PI/2 BPSK	270	0		19.60		20.0	0.0	
100	QPSK	1	1		19.59		20.0	0.0	
100	QPSK	1	137		19.63				
100	QPSK	1	271		19.54				
100	QPSK	135	0		19.48		20.0	0.0	
100	QPSK	135	69		19.50		20.0	0.0	
100	QPSK	135	138		19.49		20.0	0.0	
100	QPSK	270	0		19.56		20.0	0.0	
100	16QAM	1	1		19.47		20.0	0.0	
100	64QAM	1	1		19.48		20.0	0.0	
100	256QAM	1	1		19.47		20.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	19.35	19.41	19.44	20.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	19.43	19.54	19.44	20.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	19.37	19.33	19.41	20.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	19.36	19.51	19.36	20.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	19.35	19.41	19.32	20.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	19.50	19.53	19.51	20.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	19.43	19.54	19.49	20.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	19.47	19.52	19.50	20.0	0.0	
Channel				647234	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	19.54	19.39	19.41	20.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	19.35	19.48	19.31	20.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	19.34	19.40	19.33	20.0	0.0	

Part27Q 78 PC2/3 Ant4 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel						633334	20.0	0.0	
Frequency (MHz)						3500.01			
100	PI/2 BPSK	1	1			19.66			
100	PI/2 BPSK	1	137			19.68	20.0	0.0	
100	PI/2 BPSK	1	271			19.60			
100	PI/2 BPSK	135	0			19.70			
100	PI/2 BPSK	135	69			19.71	20.0	0.0	
100	PI/2 BPSK	135	138			19.53	20.0	0.0	
100	PI/2 BPSK	270	0			19.73	20.0	0.0	
100	QPSK	1	1			19.53	20.0	0.0	
100	QPSK	1	137			19.74			
100	QPSK	1	271			19.67			
100	QPSK	135	0			19.70	20.0	0.0	
100	QPSK	135	69			19.72	20.0	0.0	
100	QPSK	135	138			19.56	20.0	0.0	
100	QPSK	270	0			19.70	20.0	0.0	
100	16QAM	1	1			19.66	20.0	0.0	
100	64QAM	1	1			19.55	20.0	0.0	
100	256QAM	1	1			19.68	20.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	19.62	19.50	19.67	20.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	19.63	19.48	19.55	20.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	19.50	19.46	19.43	20.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	19.49	19.44	19.56	20.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	19.53	19.47	19.58	20.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	19.53	19.47	19.61	20.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	19.60	19.67	19.46	20.0	0.0	
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	19.50	19.46	19.58	20.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	19.50	19.52	19.62	20.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	19.47	19.49	19.57	20.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	19.62	19.47	19.53	20.0	0.0	

n7 Ant5 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	21.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	19.88	19.99	19.89		
50	PI/2 BPSK	1	67	19.89	19.89	19.81	21.0	0.0
50	PI/2 BPSK	1	131	19.73	19.87	19.69		
50	PI/2 BPSK	64	0	19.86	19.83	19.69		
50	PI/2 BPSK	64	35	19.73	20.02	19.85	21.0	0.0
50	PI/2 BPSK	64	69	19.83	20.03	19.70	21.0	0.0
50	PI/2 BPSK	128	0	19.77	19.92	19.68	21.0	0.0
50	QPSK	1	1	19.89	20.05	19.89		
50	QPSK	1	67	19.88	19.91	19.86		
50	QPSK	1	131	19.79	19.83	19.70	20.0	1.0
50	QPSK	64	0	19.68	19.84	19.83		
50	QPSK	64	35	19.83	19.95	19.91		
50	QPSK	64	69	19.77	19.85	19.88	20.0	1.0
50	QPSK	128	0	19.75	19.92	19.73		
50	16QAM	1	1	19.68	20.00	19.71	21.0	0.0
50	64QAM	1	1	19.82	20.00	19.69	21.0	0.0
50	256QAM	1	1	19.30	19.42	19.50	20.5	0.5
Channel				508000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	1	19.86	19.94	19.76		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	19.78	19.89	19.85		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	19.73	19.97	19.82		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	19.83	19.98	19.68		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.75	19.97	19.84		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.82	19.82	19.76	21.0	0.0

n38 Ant5 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	20.5	0.0
Frequency (MHz)				2590.02	2595	2609.98		
40	PI/2 BPSK	1	1	18.93	19.05	18.99		
40	PI/2 BPSK	1	53	18.89	19.10	18.97	20.5	0.0
40	PI/2 BPSK	1	104	18.93	18.97	19.07		
40	PI/2 BPSK	50	0	18.77	18.98	19.03		
40	PI/2 BPSK	50	28	18.91	19.12	19.12	20.5	0.0
40	PI/2 BPSK	50	56	18.89	19.17	19.00		
40	PI/2 BPSK	100	0	18.82	19.01	18.95		
40	QPSK	1	1	18.78	19.17	19.09	20.5	0.0
40	QPSK	1	53	18.91	19.20	19.12		
40	QPSK	1	104	18.77	19.02	18.93		
40	QPSK	50	0	18.82	19.06	18.98	20.5	0.0
40	QPSK	50	28	18.82	19.14	19.08		
40	QPSK	50	56	18.75	18.95	19.13		
40	QPSK	100	0	18.75	19.11	19.10	20.5	0.0
40	16QAM	1	1	18.81	19.13	19.02		
40	64QAM	1	1	18.75	18.98	19.09		
40	256QAM	1	1	18.72	19.14	18.93	20.5	0.0
Channel				519002	519000	520998		
Frequency (MHz)				2635.01	2595	2604.99		
30	QPSK	1	1	18.92	18.98	18.94	20.5	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	18.76	19.01	18.98	20.5	0.0
Channel				516000	519000	522498		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	18.81	19.15	18.93	20.5	0.0
Channel				515502	519000	522498		
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.93	19.07	19.13	20.5	0.0
Channel				515004	519000	522996		
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.72	19.14	19.14	20.5	0.0

n41 Ant5 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	19.5	0.0
Frequency (MHz)				2546.01	2692.99	2640		
100	PI/2 BPSK	1	1	17.95	18.17	18.02		
100	PI/2 BPSK	1	137	18.04	18.09	18.11	19.5	0.0
100	PI/2 BPSK	1	271	17.93	18.25	18.18		
100	PI/2 BPSK	135	0	18.04	18.28	18.15		
100	PI/2 BPSK	135	69	18.09	18.19	18.06	19.5	0.0
100	PI/2 BPSK	135	138	17.88	18.20	18.13		
100	PI/2 BPSK	270	0	17.90	18.22	18.15		
100	QPSK	1	1	17.98	18.11	18.18	19.5	0.0
100	QPSK	1	137	18.09	18.29	18.18		
100	QPSK	1	271	17.98	18.25	18.09		
100	QPSK	135	0	18.06	18.22	18.19	19.5	0.0
100	QPSK	135	69	17.99	18.31	17.98		
100	QPSK	135	138	17.88	18.18	18.19		
100	QPSK	270	0	18.03	18.20	18.14	19.5	0.0
100	16QAM	1	1	17.98	18.09	17.97		
100	64QAM	1	1	18.07	18.18	18.14		
100	256QAM	1	1	18.02	18.22	18.08	19.5	0.0
Channel				508200	518598	528996		
Frequency (MHz)				2541	2692.99	2644.98		
90	QPSK	1	1	17.93	18.12	18.15	19.5	0.0
Channel				507204	518598	528998		
Frequency (MHz)				2536.02	2692.99	2649.99		
80	QPSK	1	1	17.90	18.10	18.16	19.5	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2692.99	2655		
70	QPSK	1	1	17.96	18.11	18.08	19.5	0.0
Channel				505200	518598	531996		
Frequency (MHz)				2526	2692.99	2659.98		
60	QPSK	1	1	18.08	18.15	18.13	19.5	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2692.99	2664.99		
50	QPSK	1	1	17.99	18.11	18.04	19.5	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2692.99	2670		
40	QPSK	1	1	17.88	18.16	18.08	19.5	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2692.99	2674.98		
30	QPSK	1	1	17.96	18.17	18.00	19.5	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2692.99	2679.99		
20	QPSK	1	1	17.90	18.23	18.09	19.5	0.0
Channel				500200	518598	536996		
Frequency (MHz)				2503.5	2692.99	2682.48		
15	QPSK	1	1	17.88	18.28	18.19	19.5	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2692.99	2685		
10	QPSK	1	1	17.95	18.16	18.06	19.5	0.0

Par270 n77 Ant5 DSI3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				650000	656000	662000	18.0	0.0			
Frequency (MHz)				3750	3840	3930					
100	PI/2 BPSK	1	1	17.25	17.28	17.09					
100	PI/2 BPSK	1	137	17.28	17.28	17.16					
100	PI/2 BPSK	1	271	17.26	17.30	17.17	18.0	0.0			
100	PI/2 BPSK	135	0	17.19	17.41	17.40					
100	PI/2 BPSK	135	69	17.26	17.40	17.31					
100	PI/2 BPSK	135	138	17.39	17.44	17.28					
100	PI/2 BPSK	270	0	17.09	17.25	17.25	18.0	0.0			
100	QPSK	1	1	17.37	17.42	17.42					
100	QPSK	1	137	17.40	17.50	17.31					
100	QPSK	1	271	17.22	17.42	17.34					
100	QPSK	135	0	17.35	17.43	17.41	18.0	0.0			
100	QPSK	135	69	17.23	17.48	17.33					
100	QPSK	135	138	17.46	17.45	17.38					
100	QPSK	270	0	17.09	17.25	17.19					
100	16QAM	1	1	17.34	17.40	17.36	18.0	0.0			
100	64QAM	1	1	17.26	17.44	17.34					
100	256QAM	1	1	17.10	17.27	17.08					
Channel				649668	656000	662334				Tune-up limit (dBm) MPR (dB)	
90	QPSK	1	1	17.26	17.28	17.45	18.0	0.0			
Channel				649334	656000	662668					
Frequency (MHz)				3740.01	3840	3940.02					
80	QPSK	1	1	17.35	17.31	17.36				Tune-up limit (dBm) MPR (dB)	
Channel				649000	656000	663000	18.0	0.0			
Frequency (MHz)				3735	3840	3945					
70	QPSK	1	1	17.41	17.33	17.39				Tune-up limit (dBm) MPR (dB)	
Channel				648668	656000	663334				Tune-up limit (dBm) MPR (dB)	
60	QPSK	1	1	17.43	17.44	17.25	18.0	0.0			
Channel				648334	656000	663668					
Frequency (MHz)				3725.01	3840	3955.02					
50	QPSK	1	1	17.45	17.42	17.44				Tune-up limit (dBm) MPR (dB)	
Channel				648000	656000	664000	18.0	0.0			
Frequency (MHz)				3720	3840	3960					
40	QPSK	1	1	17.24	17.34	17.24				Tune-up limit (dBm) MPR (dB)	
Channel				647668	656000	664334				Tune-up limit (dBm) MPR (dB)	
30	QPSK	1	1	17.23	17.27	17.26	18.0	0.0			
Channel				647500	656000	664500					
Frequency (MHz)				3712.5	3840	3967.5					
25	QPSK	1	1	17.45	17.27	17.35				Tune-up limit (dBm) MPR (dB)	
Channel				647334	656000	664668	18.0	0.0			
Frequency (MHz)				3710.01	3840	3970.02					
20	QPSK	1	1	17.27	17.37	17.33				Tune-up limit (dBm) MPR (dB)	
Channel				647168	656000	664834				Tune-up limit (dBm) MPR (dB)	
15	QPSK	1	1	17.26	17.40	17.24	18.0	0.0			
Channel				647000	656000	665000					
Frequency (MHz)				3705	3840	3975					
10	QPSK	1	1	17.26	17.30	17.45				Tune-up limit (dBm) MPR (dB)	

Part27Q n77 Ant5 DS13										
BW [MHz]	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		3500.01	18.0	0.0		
Frequency (MHz)				3500.01						
100	PI/2 BPSK	1	1	17.39						
100	PI/2 BPSK	1	137	17.48						
100	PI/2 BPSK	1	271	17.46		17.42	18.0	0.0		
100	PI/2 BPSK	135	0	17.42						
100	PI/2 BPSK	135	69	17.50						
100	PI/2 BPSK	135	138	17.44						
100	PI/2 BPSK	270	0	17.37		17.44	18.0	0.0		
100	QPSK	1	1	17.44						
100	QPSK	1	137	17.54						
100	QPSK	1	271	17.43		17.39	18.0	0.0		
100	QPSK	135	0	17.39						
100	QPSK	135	69	17.50						
100	QPSK	135	138	17.33		17.45		18.0		
100	QPSK	270	0	17.45						
100	16QAM	1	1	17.53		17.50		18.0		
100	64QAM	1	1	17.50						
100	256QAM	1	1	17.44						
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3495	3500.01	3505.02	18.0			
90	QPSK	1	1	17.41	17.46	17.47	18.0			
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02	3500.01	3510	18.0			
80	QPSK	1	1	17.28	17.47	17.46	18.0			
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3485.01	3500.01	3515.01	18.0			
70	QPSK	1	1	17.29	17.43	17.50	18.0			
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3500.01	3520.02	18.0			
60	QPSK	1	1	17.43	17.43	17.38	18.0			
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3500.01	3525	18.0			
50	QPSK	1	1	17.44	17.28	17.42	18.0			
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3500.01	3530.01	18.0			
40	QPSK	1	1	17.37	17.47	17.48	18.0			
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3465	3500.01	3535.02	18.0			
30	QPSK	1	1	17.45	17.34	17.49	18.0			
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3462.51	3500.01	3537.51	18.0			
25	QPSK	1	1	17.35	17.32	17.31	18.0			
Channel				630568	633334	636000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3500.01	3540	18.0			
20	QPSK	1	1	17.48	17.27	17.45	18.0			
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500.01	3542.52	18.0			
15	QPSK	1	1	17.31	17.31	17.42	18.0			
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455.01	3500.01	3545.01	18.0			
10	QPSK	1	1	17.30	17.43	17.47	18.0			

Part270 n78 PC2/3 Ant5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	20.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		19.16				
100	PI/2 BPSK	1	137		19.22				
100	PI/2 BPSK	1	271		19.07		20.0	0.0	
100	PI/2 BPSK	135	0		19.13				
100	PI/2 BPSK	135	69		19.06				
100	PI/2 BPSK	135	138		19.23				
100	PI/2 BPSK	270	0		19.14		20.0	0.0	
100	QPSK	1	1		19.23				
100	QPSK	1	137		19.30				
100	QPSK	1	271		19.08				
100	QPSK	135	0		19.07		20.0	0.0	
100	QPSK	135	69		19.25				
100	QPSK	135	138		19.18				
100	QPSK	270	0		19.22				
100	16QAM	1	1		19.20		20.0	0.0	
100	64QAM	1	1		19.23				
100	256QAM	1	1		19.15				
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		18.99	19.07		0.0	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		19.07	19.10	Tune-up limit (dBm)	MPR (dB)	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		19.03	19.00		0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		18.93	19.11	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		18.90	18.92	Tune-up limit (dBm)	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		18.96	18.91	Tune-up limit (dBm)	0.0	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		18.90	19.11	Tune-up limit (dBm)	0.0	
Channel				647500	650000	652500			
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		18.93	18.91	Tune-up limit (dBm)	0.0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		18.94	19.10	Tune-up limit (dBm)	0.0	
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		19.12	18.97	Tune-up limit (dBm)	0.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		19.08	18.98	Tune-up limit (dBm)	0.0	
Channel									
Frequency (MHz)									
Channel									
Frequency (MHz)									

Part27Q 78 PC2/3 Ant5 DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		20.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		19.29				
100	PI/2 BPSK	1	137		19.39				
100	PI/2 BPSK	1	271		19.21		20.0	0.0	
100	PI/2 BPSK	135	0		19.22				
100	PI/2 BPSK	135	69		19.39				
100	PI/2 BPSK	135	138		19.17				
100	PI/2 BPSK	270	0		19.23		20.0	0.0	
100	QPSK	1	1		19.19				
100	QPSK	1	137		19.43				
100	QPSK	1	271		19.23				
100	QPSK	135	0		19.26		20.0	0.0	
100	QPSK	135	69		19.31				
100	QPSK	135	138		19.22				
100	QPSK	270	0		19.25				
100	16QAM	1	1		19.35		20.0	0.0	
100	64QAM	1	1		19.39				
100	256QAM	1	1		19.40				
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		19.21	19.21		0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		19.22	19.24	Tune-up limit (dBm)	MPR (dB)	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		19.36	19.32		0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		19.16	19.32	Tune-up limit (dBm)	MPR (dB)	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		19.23	19.15	Tune-up limit (dBm)	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		19.33	19.21	Tune-up limit (dBm)	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		19.34	19.30	Tune-up limit (dBm)	0.0	
Channel				630834	633334	635834			
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		19.26	19.22	Tune-up limit (dBm)	0.0	
Channel				630500	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		19.18	19.15	Tune-up limit (dBm)	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		19.32	19.16	Tune-up limit (dBm)	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		19.28	19.28	Tune-up limit (dBm)	0.0	
Channel									
Frequency (MHz)									
Channel									
Frequency (MHz)									

Reduced Power Mode for DSI 4_Main PA
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n5 Ant0 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	24.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.59	23.86	23.63			
20	PI/2 BPSK	1	26	23.59	23.81	23.48	24.5	0.0	
20	PI/2 BPSK	1	49	23.48	23.72	23.61			
20	PI/2 BPSK	25	0	23.59	23.69	23.48			
20	PI/2 BPSK	25	13	23.43	23.72	23.65	24.5	0.0	
20	PI/2 BPSK	25	26	23.56	23.89	23.61			
20	PI/2 BPSK	50	0	23.64	23.72	23.43			
20	QPSK	1	1	23.64	23.92	23.64	24.5	0.0	
20	QPSK	1	26	23.48	23.92	23.54			
20	QPSK	1	49	23.46	23.82	23.50			
20	QPSK	25	0	23.61	23.71	23.44	24.5	0.0	
20	QPSK	25	13	23.50	23.89	23.56			
20	QPSK	25	26	23.50	23.71	23.61			
20	QPSK	50	0	23.47	23.75	23.52	24.5	0.0	
20	16QAM	1	1	23.56	23.79	23.45			
20	64QAM	1	1	22.03	22.31	22.08		1.5	
20	256QAM	1	1	20.08	20.34	20.04	21.0	3.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.50	23.78	23.53		24.5	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.62	23.86	23.66		24.5	

n7 Ant0 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	25.5	25.5	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	16.94	16.87	16.85			
50	PI/2 BPSK	1	67	16.84	16.95	16.64	18.5	0.0	
50	PI/2 BPSK	1	131	16.77	16.98	16.82			
50	PI/2 BPSK	64	0	16.97	17.05	16.78			
50	PI/2 BPSK	64	35	16.99	16.94	16.79	18.5	0.0	
50	PI/2 BPSK	64	69	16.78	16.96	16.63			
50	PI/2 BPSK	128	0	16.85	17.04	16.77			
50	QPSK	1	1	16.97	17.06	16.84	18.5	0.0	
50	QPSK	1	67	16.98	16.90	16.86			
50	QPSK	1	131	16.80	16.81	16.80			
50	QPSK	64	0	16.77	17.03	16.77	17.5	1.0	
50	QPSK	64	35	16.81	17.04	16.75			
50	QPSK	64	69	16.94	16.91	16.69			
50	QPSK	128	0	16.82	16.93	16.82	17.5	1.0	
50	16QAM	1	1	16.78	16.86	16.75			
50	64QAM	1	1	16.94	17.04	16.76		18.5	
50	256QAM	1	1	16.94	17.01	16.64	18.5	0.0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	16.95	17.03	16.64		18.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	16.98	17.02	16.71		18.5	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	16.76	16.98	16.69		18.5	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	16.95	16.95	16.76		18.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	16.93	16.95	16.81		18.5	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	16.83	16.84	16.70		18.5	

n38 Ant0 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				518004	519000	519996	21.5	0.0		
Frequency (MHz)				2590.02	2595	2599.98				
40	PI/2 BPSK	1	1	19.61	20.08	19.95				
40	PI/2 BPSK	1	53	19.74	19.95	19.97				
40	PI/2 BPSK	1	104	19.72	19.90	19.93	21.5	0.0		
40	PI/2 BPSK	50	0	19.69	20.03	19.87				
40	PI/2 BPSK	50	28	19.79	20.06	20.03				
40	PI/2 BPSK	50	56	19.76	20.09	20.03				
40	PI/2 BPSK	100	0	19.65	19.94	19.86	21.5	0.0		
40	QPSK	1	1	19.79	20.13	20.00				
40	QPSK	1	53	19.79	20.15	20.02				
40	QPSK	1	104	19.67	19.93	19.90				
40	QPSK	50	0	19.70	20.07	19.84	21.5	0.0		
40	QPSK	50	28	19.72	20.10	19.92				
40	QPSK	50	56	19.81	20.08	19.95				
40	QPSK	100	0	19.67	20.10	19.84				
40	16QAM	1	1	19.69	20.03	19.93	21.5	0.0		
40	64QAM	1	1	19.68	19.97	20.00				
40	256QAM	1	1	18.24	18.60	18.58				
Channel				531002	519000	520998				1.5
Frequency (MHz)				2635.01	2595	2604.99	Tune-up limit (dBm)			
30	QPSK	1	1	19.59	20.11	19.85	21.5	0.0		
Channel				518504	519000	521496	Tune-up limit (dBm)			
Frequency (MHz)				2592.52	2595	2607.48	MPR (dB)			
25	QPSK	1	1	19.71	20.12	19.95	21.5	0.0		
Channel				516000	519000	522000	Tune-up limit (dBm)			
Frequency (MHz)				2580	2595	2610	MPR (dB)			
20	QPSK	1	1	19.68	19.96	19.92	21.5	0.0		
Channel				515502	519000	522498	Tune-up limit (dBm)			
Frequency (MHz)				2577.51	2595	2612.49	MPR (dB)			
15	QPSK	1	1	19.67	20.01	19.95	21.5	0.0		
Channel				515004	519000	522996	Tune-up limit (dBm)			
Frequency (MHz)				2575.02	2595	2614.98	MPR (dB)			
10	QPSK	1	1	19.67	20.07	19.95	21.5	0.0		

n41 Ant0 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				509202	518598	528000	20.5	0.0		
Frequency (MHz)				2546.01	2592.99	2640				
100	PI/2 BPSK	1	1	18.76	18.94	19.03				
100	PI/2 BPSK	1	137	18.91	19.04	19.06				
100	PI/2 BPSK	1	271	18.83	18.97	19.00	20.5	0.0		
100	PI/2 BPSK	135	0	18.79	19.09	18.88				
100	PI/2 BPSK	135	69	18.81	18.98	18.92				
100	PI/2 BPSK	135	138	18.92	18.99	19.03				
100	PI/2 BPSK	270	0	18.98	19.17	19.02	20.5	0.0		
100	QPSK	1	1	18.99	19.01	18.98				
100	QPSK	1	137	18.98	19.20	19.09				
100	QPSK	1	271	18.95	19.09	19.05				
100	QPSK	135	0	18.78	19.09	19.04	20.5	0.0		
100	QPSK	135	69	18.96	19.12	18.94				
100	QPSK	135	138	18.95	19.01	18.96				
100	QPSK	270	0	18.85	19.11	19.10				
100	16QAM	1	1	18.80	19.01	18.99	20.5	0.0		
100	64QAM	1	1	18.99	19.01	19.09				
100	256QAM	1	1	18.45	18.75	18.66				
Channel				506200	518598	529996	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98				
90	QPSK	1	1	18.82	19.12	18.91	20.5	0.0		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2536.02	2592.99	2649.99				
80	QPSK	1	1	18.96	18.98	19.10	20.5	0.0		
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2531.01	2592.99	2655				
70	QPSK	1	1	18.93	19.08	19.01	20.5	0.0		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	1	18.84	19.00	19.08	20.5	0.0		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	1	18.90	19.12	18.96	20.5	0.0		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	1	18.87	19.01	18.96	20.5	0.0		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2511	2592.99	2674.98				
30	QPSK	1	1	18.94	18.94	18.87	20.5	0.0		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	1	18.88	19.04	19.10	20.5	0.0		
Channel				500700	518598	536996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2592.99	2682.48				
15	QPSK	1	1	18.88	19.08	19.07	20.5	0.0		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501.01	2592.99	2685				
10	QPSK	1	1	18.99	19.12	19.02	20.5	0.0		

n5 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				834	836.5	839	25.7	0.0	
Frequency (MHz)				166800	167300	167800			
20	PI/2 BPSK	1	1	24.01	24.11	24.06			
20	PI/2 BPSK	1	26	23.89	24.00	23.90			
20	PI/2 BPSK	1	49	24.00	24.07	23.99	25.2	0.5	
20	PI/2 BPSK	25	0	23.58	23.68	23.57			
20	PI/2 BPSK	25	13	23.91	24.04	23.91			
20	PI/2 BPSK	25	26	23.72	23.81	23.77			
20	PI/2 BPSK	50	0	23.67	23.71	23.65	25.7	0.0	
20	QPSK	1	1	24.06	24.13	23.99			
20	QPSK	1	26	23.95	24.06	24.00			
20	QPSK	1	49	23.96	24.08	24.02			
20	QPSK	25	0	23.00	23.07	23.00	24.7	1.0	
20	QPSK	25	13	24.04	24.12	24.01			
20	QPSK	25	26	23.09	23.21	23.12			
20	QPSK	50	0	23.16	23.20	23.08			
20	16QAM	1	1	22.90	22.93	22.81	24.7	1.0	
20	64QAM	1	1	21.41	21.51	21.39			
20	256QAM	1	1	19.69	19.77	19.69			
20	256QAM	1	1	19.69	19.77	19.69			
Channel				166800	167300	167800	Tune-up limit	MPR	
Frequency (MHz)				834.5	836.5	841.5			
15	QPSK	1	1	23.96	24.09	23.90		0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.93	24.05	23.93		0.0	

n7 Ant1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	21.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	19.77	19.90	19.62			
50	PI/2 BPSK	1	67	19.84	19.90	19.62			
50	PI/2 BPSK	1	131	19.82	19.98	19.69	21.0	0.0	
50	PI/2 BPSK	64	0	19.74	19.96	19.80			
50	PI/2 BPSK	64	35	19.72	19.87	19.82			
50	PI/2 BPSK	64	69	19.79	19.96	19.61			
50	PI/2 BPSK	128	0	19.75	20.02	19.74	21.0	0.0	
50	QPSK	1	1	19.88	20.06	19.80			
50	QPSK	1	67	19.67	20.05	19.69			
50	QPSK	1	131	19.70	19.90	19.81			
50	QPSK	64	0	19.87	19.91	19.74	20.0	1.0	
50	QPSK	64	35	19.84	19.94	19.75			
50	QPSK	64	69	19.86	19.89	19.68			
50	QPSK	128	0	19.84	20.03	19.77			
50	16QAM	1	1	19.80	20.04	19.79	21.0	0.0	
50	64QAM	1	1	19.69	19.87	19.68			
50	256QAM	1	1	19.38	19.62	19.40			
50	256QAM	1	1	19.38	19.62	19.40			
Channel				504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	19.87	19.85	19.70		0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.69	19.86	19.68	21.0	0.0	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.79	19.90	19.65		0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	19.66	20.06	19.80	21.0	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.88	20.03	19.70		0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	19.87	20.02	19.82		0.0	

n38 Ant1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	21.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	20.14	20.34	20.26			
40	PI/2 BPSK	1	53	20.23	20.28	20.27			
40	PI/2 BPSK	1	104	20.15	20.27	20.11	21.5	0.0	
40	PI/2 BPSK	50	0	20.36	20.30	20.18			
40	PI/2 BPSK	50	28	20.31	20.22	20.20			
40	PI/2 BPSK	50	56	20.23	20.27	20.12			
40	PI/2 BPSK	100	0	20.33	20.38	20.14	21.5	0.0	
40	QPSK	1	1	20.24	20.19	20.03			
40	QPSK	1	53	20.35	20.40	20.25			
40	QPSK	1	104	20.22	20.29	20.23			
40	QPSK	50	0	20.16	20.30	20.25	21.5	0.0	
40	QPSK	50	28	20.33	20.35	20.17	21.5	0.0	
40	QPSK	50	56	20.14	20.20	20.23	21.5	0.0	
40	QPSK	100	0	20.36	20.37	20.11			
40	16QAM	1	1	20.21	20.23	20.09	21.5	0.0	
40	64QAM	1	1	20.20	20.36	20.03	21.5	0.0	
40	256QAM	1	1	19.80	19.86	19.75	21.0	0.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	21.5	0.0	
30	QPSK	1	1	20.19	20.24	20.26	21.5	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48	21.5	0.0	
25	QPSK	1	1	20.26	20.38	20.26	21.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	21.5	0.0	
20	QPSK	1	1	20.34	20.39	20.26	21.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	21.5	0.0	
15	QPSK	1	1	20.27	20.32	20.06	21.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	21.5	0.0	
10	QPSK	1	1	20.16	20.37	20.21	21.5	0.0	

n41 Ant1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	20.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.27	19.45	19.27			
100	PI/2 BPSK	1	137	19.46	19.34	19.22			
100	PI/2 BPSK	1	271	19.39	19.43	19.22	20.5	0.0	
100	PI/2 BPSK	135	0	19.38	19.31	19.31			
100	PI/2 BPSK	135	69	19.42	19.40	19.34			
100	PI/2 BPSK	135	138	19.29	19.49	19.33			
100	PI/2 BPSK	270	0	19.43	19.41	19.27	20.5	0.0	
100	QPSK	1	1	19.26	19.41	19.24			
100	QPSK	1	137	19.33	19.50	19.19			
100	QPSK	1	271	19.28	19.27	19.22			
100	QPSK	135	0	19.43	19.36	19.20	20.5	0.0	
100	QPSK	135	69	19.37	19.44	19.15	20.5	0.0	
100	QPSK	135	138	19.29	19.35	19.20	20.5	0.0	
100	QPSK	270	0	19.42	19.43	19.32			
100	16QAM	1	1	19.30	19.32	19.20	20.5	0.0	
100	64QAM	1	1	19.30	19.40	19.28	20.5	0.0	
100	256QAM	1	1	19.37	19.48	19.18	20.5	0.0	
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	20.5	0.0	
90	QPSK	1	1	19.28	19.47	19.36	20.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	20.5	0.0	
80	QPSK	1	1	19.30	19.34	19.22	20.5	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	20.5	0.0	
70	QPSK	1	1	19.44	19.35	19.29	20.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	20.5	0.0	
60	QPSK	1	1	19.40	19.43	19.20	20.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	20.5	0.0	
50	QPSK	1	1	19.40	19.44	19.18	20.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	20.5	0.0	
40	QPSK	1	1	19.35	19.27	19.31	20.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	20.5	0.0	
30	QPSK	1	1	19.43	19.41	19.31	20.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	20.5	0.0	
20	QPSK	1	1	19.46	19.29	19.25	20.5	0.0	
Channel				500100	518598	536996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500.5	2592.99	2682.48	20.5	0.0	
15	QPSK	1	1	19.34	19.31	19.25	20.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	20.5	0.0	
10	QPSK	1	1	19.39	19.49	19.32	20.5	0.0	

n7 Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	19.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	17.51	17.60	17.31	19.0	0.0
50	PI/2 BPSK	1	67	17.51	17.70	17.46		
50	PI/2 BPSK	1	131	17.56	17.70	17.33		
50	PI/2 BPSK	64	0	17.53	17.67	17.34	19.0	0.0
50	PI/2 BPSK	64	35	17.57	17.65	17.43	19.0	0.0
50	PI/2 BPSK	64	69	17.57	17.69	17.30	19.0	0.0
50	PI/2 BPSK	128	0	17.55	17.64	17.44	19.0	0.0
50	QPSK	1	1	17.61	17.80	17.51		
50	QPSK	1	67	17.49	17.60	17.40		
50	QPSK	1	131	17.46	17.63	17.39	18.0	1.0
50	QPSK	64	0	17.56	17.76	17.51		
50	QPSK	64	35	17.58	17.75	17.51		
50	QPSK	64	69	17.62	17.72	17.47	18.0	1.0
50	QPSK	128	0	17.51	17.62	17.40		
50	16QAM	1	1	17.45	17.68	17.36	19.0	0.0
50	64QAM	1	1	17.44	17.58	17.33	19.0	0.0
50	256QAM	1	1	17.45	17.70	17.41	19.0	0.0
Channel				508000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550	19.0	0.0
40	QPSK	1	1	17.52	17.65	17.40		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	19.0	0.0
30	QPSK	1	1	17.41	17.76	17.47		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	19.0	0.0
25	QPSK	1	1	17.57	17.69	17.37		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	19.0	0.0
20	QPSK	1	1	17.40	17.66	17.53		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	19.0	0.0
15	QPSK	1	1	17.49	17.63	17.53		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	19.0	0.0
10	QPSK	1	1	17.52	17.67	17.50		

n38 Ant2 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	20.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	18.27	18.15	18.16		
40	PI/2 BPSK	1	53	18.20	18.26	18.16		
40	PI/2 BPSK	1	104	18.15	18.20	18.27	20.0	0.0
40	PI/2 BPSK	50	0	18.18	18.13	18.22		
40	PI/2 BPSK	50	28	18.24	18.28	18.20		
40	PI/2 BPSK	50	56	18.22	18.11	18.11		
40	PI/2 BPSK	100	0	18.15	18.30	18.19	20.0	0.0
40	QPSK	1	1	18.20	18.18	18.06		
40	QPSK	1	53	18.08	18.33	18.12		
40	QPSK	1	104	18.03	18.29	18.12		
40	QPSK	50	0	18.01	18.24	18.27	20.0	0.0
40	QPSK	50	28	18.29	18.30	18.13		
40	QPSK	50	56	18.25	18.20	18.16		
40	QPSK	100	0	18.19	18.29	18.13		
40	16QAM	1	1	18.09	18.29	18.13	20.0	0.0
40	64QAM	1	1	18.07	18.25	18.27		
40	256QAM	1	1	18.04	18.10	18.05		
40	256QAM	1	1	18.04	18.10	18.05		
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	18.07	18.08	18.19	20.0	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	18.07	18.23	18.03	20.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	18.23	18.29	18.04	20.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.04	18.30	18.18	20.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.19	18.27	18.08	20.0	0.0

n41 Ant2 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	19.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.13	18.19	17.93		
100	PI/2 BPSK	1	137	18.23	18.41	17.89		
100	PI/2 BPSK	1	271	18.06	18.28	18.06	19.5	0.0
100	PI/2 BPSK	135	0	18.16	18.26	17.91		
100	PI/2 BPSK	135	69	18.09	18.39	17.98		
100	PI/2 BPSK	135	138	18.09	18.23	17.90		
100	PI/2 BPSK	270	0	18.05	18.33	18.07	19.5	0.0
100	QPSK	1	1	18.05	18.33	17.96		
100	QPSK	1	137	18.22	18.44	18.07		
100	QPSK	1	271	18.01	18.23	17.86		
100	QPSK	135	0	18.07	18.35	18.08	19.5	0.0
100	QPSK	135	69	18.19	18.42	17.94		
100	QPSK	135	138	18.09	18.34	17.87		
100	QPSK	270	0	18.01	18.38	17.91		
100	16QAM	1	1	18.10	18.32	18.01	19.5	0.0
100	64QAM	1	1	18.04	18.38	17.99		
100	256QAM	1	1	18.17	18.22	18.04		
100	256QAM	1	1	18.17	18.22	18.04		
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.24	18.29	18.03	19.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.23	18.20	18.09	19.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.09	18.39	18.02	19.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.05	18.35	17.93	19.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.06	18.24	17.99	19.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.08	18.40	18.04	19.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.02	18.41	17.88	19.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.07	18.25	17.93	19.5	0.0
Channel				500709	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	18.15	18.34	17.86	19.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.01	18.36	18.04	19.5	0.0

Par270 n77 Ant2 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	16.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	14.61	14.91	14.87			
100	PI/2 BPSK	1	137	14.76	14.86	14.86			
100	PI/2 BPSK	1	271	14.65	14.61	14.83	16.0	0.0	
100	PI/2 BPSK	135	0	14.68	14.95	14.84			
100	PI/2 BPSK	135	69	14.70	14.71	14.78			
100	PI/2 BPSK	135	138	14.60	15.01	14.74			
100	PI/2 BPSK	270	0	14.61	14.95	14.95	16.0	0.0	
100	QPSK	1	1	14.73	14.88	14.77			
100	QPSK	1	137	14.75	15.07	14.93			
100	QPSK	1	271	14.62	15.01	14.91			
100	QPSK	135	0	14.71	14.65	14.79	16.0	0.0	
100	QPSK	135	69	14.66	14.85	14.77			
100	QPSK	135	138	14.65	14.58	14.71			
100	QPSK	270	0	14.67	14.85	14.69			
100	16QAM	1	1	14.74	14.86	14.90	16.0	0.0	
100	64QAM	1	1	14.61	15.05	14.88			
100	256QAM	1	1	14.57	14.30	14.84			
Channel				649668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	16.0	0.0	
90	QPSK	1	1	14.65	15.04	14.84			
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	16.0	0.0	
80	QPSK	1	1	14.62	14.96	14.80			
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	16.0	0.0	
70	QPSK	1	1	14.69	15.05	14.85			
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	16.0	0.0	
60	QPSK	1	1	14.55	15.06	14.88			
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	16.0	0.0	
50	QPSK	1	1	14.64	14.99	14.79			
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	16.0	0.0	
40	QPSK	1	1	14.75	15.07	14.75			
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	16.0	0.0	
30	QPSK	1	1	14.70	15.08	14.77			
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	16.0	0.0	
25	QPSK	1	1	14.56	14.91	14.94			
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	16.0	0.0	
20	QPSK	1	1	14.69	14.95	14.89			
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	16.0	0.0	
15	QPSK	1	1	14.54	14.97	14.79			
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	16.0	0.0	
10	QPSK	1	1	14.64	14.86	14.72			

Part27Q n77 Ant2 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		15.42		16.0	0.0	0.0
100	PI/2 BPSK	1	137		15.27				
100	PI/2 BPSK	1	271		15.42				
100	PI/2 BPSK	135	0		15.29		16.0	0.0	0.0
100	PI/2 BPSK	135	69		15.42		16.0	0.0	0.0
100	PI/2 BPSK	135	138		15.42		16.0	0.0	0.0
100	PI/2 BPSK	270	0		15.22				
100	QPSK	1	1		15.41				
100	QPSK	1	137		15.45		16.0	0.0	0.0
100	QPSK	1	271		15.44				
100	QPSK	135	0		15.36				
100	QPSK	135	69		15.41		16.0	0.0	0.0
100	QPSK	135	138		15.37		16.0	0.0	0.0
100	QPSK	270	0		15.28				
100	16QAM	1	1		15.33				
100	64QAM	1	1		15.43		16.0	0.0	0.0
100	256QAM	1	1		15.43		16.0	0.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	16.0	0.0	
90	QPSK	1	1	15.29	15.25	15.39			
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	16.0	0.0	
80	QPSK	1	1	15.39	15.40	15.23			
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	16.0	0.0	
70	QPSK	1	1	15.36	15.41	15.26			
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	16.0	0.0	
60	QPSK	1	1	15.20	15.29	15.40			
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	16.0	0.0	
50	QPSK	1	1	15.33	15.41	15.33			
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	16.0	0.0	
40	QPSK	1	1	15.37	15.37	15.31			
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	16.0	0.0	
30	QPSK	1	1	15.21	15.24	15.28			
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	16.0	0.0	
25	QPSK	1	1	15.20	15.38	15.22			
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	16.0	0.0	
20	QPSK	1	1	15.28	15.32	15.34			
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	16.0	0.0	
15	QPSK	1	1	15.41	15.25	15.27			
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	16.0	0.0	
10	QPSK	1	1	15.27	15.41	15.29			

Part270 n78 PC2/3 Ant2 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset		Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000	650000	650000		
Frequency (MHz)					3750	3750	3750		
100	PI/2 BPSK	1	1			16.12		17.0	0.0
100	PI/2 BPSK	1	137			16.25			
100	PI/2 BPSK	1	271			16.23			
100	PI/2 BPSK	135	0			16.25		17.0	0.0
100	PI/2 BPSK	135	69			16.20		17.0	0.0
100	PI/2 BPSK	135	138			16.21		17.0	0.0
100	PI/2 BPSK	270	0			16.20		17.0	0.0
100	QPSK	1	1			16.07		17.0	0.0
100	QPSK	1	137			16.30			
100	QPSK	1	271			16.04			
100	QPSK	135	0			16.20		17.0	0.0
100	QPSK	135	69			16.21		17.0	0.0
100	QPSK	135	138			16.16		17.0	0.0
100	QPSK	270	0			16.26		17.0	0.0
100	16QAM	1	1			16.18		17.0	0.0
100	64QAM	1	1			16.23		17.0	0.0
100	256QAM	1	1			16.18		17.0	0.0
Channel					649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)					3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1		15.91	16.03	16.04	17.0	0.0
Channel					649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)					3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1		16.00	15.97	16.00	17.0	0.0
Channel					649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)					3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1		16.00	15.89	15.99	17.0	0.0
Channel					648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)					3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1		15.94	15.89	15.97	17.0	0.0
Channel					648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)					3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1		15.94	15.95	16.02	17.0	0.0
Channel					648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)					3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1		15.92	15.98	15.96	17.0	0.0
Channel					647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)					3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1		15.98	15.93	15.90	17.0	0.0
Channel					647500	650000	652500	Tune-up limit	MPR
Frequency (MHz)					3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1		15.89	16.07	16.05	17.0	0.0
Channel					647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)					3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1		15.95	15.87	16.02	17.0	0.0
Channel					647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)					3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1		15.86	15.98	15.85	17.0	0.0
Channel					647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)					3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1		15.89	15.99	15.98	17.0	0.0

Part27Q 78 PC2/3 Ant2 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel					3500.01		17.0	0.0		
Frequency (MHz)					3500.01					
100	PI/2 BPSK	1	1		16.32					
100	PI/2 BPSK	1	137		16.40					
100	PI/2 BPSK	1	271		16.44		17.0	0.0		
100	PI/2 BPSK	135	0		16.33					
100	PI/2 BPSK	135	69		16.29					
100	PI/2 BPSK	135	138		16.31					
100	PI/2 BPSK	270	0		16.23		17.0	0.0		
100	QPSK	1	1		16.45					
100	QPSK	1	137		16.46					
100	QPSK	1	271		16.27					
100	QPSK	135	0		16.41		17.0	0.0		
100	QPSK	135	69		16.43					
100	QPSK	135	138		16.29					
100	QPSK	270	0		16.43					
100	16QAM	1	1		16.29		17.0	0.0		
100	64QAM	1	1		16.40					
100	256QAM	1	1		16.41					
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				3495	3500.01	3505.02				
90	QPSK	1	1		16.29	16.36	16.26	17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dbm)			
Frequency (MHz)				3490.02	3500.01	3510				
80	QPSK	1	1		16.24	16.20	16.21		17.0	
Channel				632334	633334	634334	Tune-up limit (dbm)			
Frequency (MHz)				3485.01	3500.01	3515.01				
70	QPSK	1	1		16.22	16.34	16.31	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dbm)			
Frequency (MHz)				3480	3500.01	3520.02				
60	QPSK	1	1		16.28	16.27	16.31	17.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dbm)			
Frequency (MHz)				3475.02	3500.01	3525				
50	QPSK	1	1		16.19	16.12	16.13	17.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dbm)			
Frequency (MHz)				3470.01	3500.01	3530.01				
40	QPSK	1	1		16.27	16.27	16.35	17.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dbm)			
Frequency (MHz)				3465	3500.01	3535.02				
30	QPSK	1	1		16.20	16.31	16.19	17.0	0.0	
Channel				630634	633334	635834	Tune-up limit (dbm)			
Frequency (MHz)				3462.51	3500.01	3537.51				
25	QPSK	1	1		16.34	16.20	16.29	17.0	0.0	
Channel				630368	633334	636000	Tune-up limit (dbm)			
Frequency (MHz)				3460.02	3500.01	3540				
20	QPSK	1	1		16.32	16.14	16.24	17.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dbm)			
Frequency (MHz)				3457.5	3500.01	3542.52				
15	QPSK	1	1		16.32	16.32	16.34	17.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dbm)			
Frequency (MHz)				3455.01	3500.01	3545.01				
10	QPSK	1	1		16.25	16.29	16.14	17.0	0.0	

Par270 n77 Ant3 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	16.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.19	15.25	15.21			
100	PI/2 BPSK	1	137	15.19	15.44	15.18			
100	PI/2 BPSK	1	271	15.28	15.35	15.27	16.0	0.0	
100	PI/2 BPSK	135	0	15.23	15.41	15.32			
100	PI/2 BPSK	135	69	15.26	15.25	15.35			
100	PI/2 BPSK	135	138	15.13	15.40	15.28			
100	PI/2 BPSK	270	0	15.28	15.36	15.22	16.0	0.0	
100	QPSK	1	1	15.23	15.44	15.38			
100	QPSK	1	137	15.28	15.45	15.37			
100	QPSK	1	271	15.27	15.36	15.22			
100	QPSK	135	0	15.07	15.32	15.34	16.0	0.0	
100	QPSK	135	69	15.14	15.43	15.35			
100	QPSK	135	138	15.14	15.40	15.39			
100	QPSK	270	0	15.24	15.45	15.34			
100	16QAM	1	1	15.27	15.44	15.31	16.0	0.0	
100	64QAM	1	1	15.19	15.39	15.22			
100	256QAM	1	1	15.07	15.35	15.17			
Channel				648668	656000	663334		16.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	15.28	15.40	15.20			
Channel				649334	656000	662668	16.0	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.08	15.45	15.27		16.0	
Channel				649000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	15.19	15.37	15.24		16.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.10	15.36	15.21		16.0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	15.08	15.40	15.36	16.0	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.22	15.25	15.35		16.0	
Channel				647668	656000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	15.11	15.26	15.27	16.0	0.0	
Channel				647500	656000	664500			
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	15.16	15.33	15.28		16.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.09	15.32	15.20	16.0	0.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	15.12	15.24	15.27		16.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	15.16	15.45	15.32		16.0	

Part27Q n77 Ant3 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				633334		3500.01	16.0	0.0		
Frequency (MHz)				633334						
100	PI/2 BPSK	1	1	15.33						
100	PI/2 BPSK	1	137	15.41						
100	PI/2 BPSK	1	271	15.29		16.0	0.0	0.0		
100	PI/2 BPSK	135	0	15.29						
100	PI/2 BPSK	135	69	15.34						
100	PI/2 BPSK	135	138	15.30						
100	PI/2 BPSK	270	0	15.31		16.0	0.0	0.0		
100	QPSK	1	1	15.30						
100	QPSK	1	137	15.45						
100	QPSK	1	271	15.32						
100	QPSK	135	0	15.33		16.0	0.0	0.0		
100	QPSK	135	69	15.35						
100	QPSK	135	138	15.30						
100	QPSK	270	0	15.34						
100	16QAM	1	1	15.36		16.0	0.0	0.0		
100	64QAM	1	1	15.36						
100	256QAM	1	1	15.25						
Channel				633000	633334	633668		Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		16.0		0.0
90	QPSK	1	1	15.22	15.39	15.17		Tune-up limit (dBm)		MPR (dB)
Channel				632668	633334	634000		16.0		0.0
Frequency (MHz)				3490.02	3500.01	3510		Tune-up limit (dBm)		MPR (dB)
80	QPSK	1	1	15.23	15.18	15.36		16.0		0.0
Channel				632334	633334	634334		Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		16.0		0.0
70	QPSK	1	1	15.36	15.39	15.38		Tune-up limit (dBm)		MPR (dB)
Channel				632000	633334	634668		16.0		0.0
Frequency (MHz)				3480	3500.01	3520.02		Tune-up limit (dBm)		MPR (dB)
60	QPSK	1	1	15.36	15.19	15.24		16.0		0.0
Channel				631668	633334	635000		Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		16.0		0.0
50	QPSK	1	1	15.30	15.15	15.35	16.0	0.0		
Channel				631334	633334	635334				
Frequency (MHz)				3470.01	3500.01	3530.01				
40	QPSK	1	1	15.17	15.29	15.18		Tune-up limit (dBm)		MPR (dB)
Channel				631000	633334	635668		16.0		0.0
Frequency (MHz)				3465	3500.01	3535.02		Tune-up limit (dBm)		MPR (dB)
30	QPSK	1	1	15.17	15.17	15.32	16.0	0.0		
Channel				630834	633334	635834				
Frequency (MHz)				3462.51	3500.01	3537.51				
25	QPSK	1	1	15.30	15.35	15.35		Tune-up limit (dBm)		MPR (dB)
Channel				630668	633334	636000		16.0		0.0
Frequency (MHz)				3460.02	3500.01	3540		Tune-up limit (dBm)		MPR (dB)
20	QPSK	1	1	15.23	15.25	15.29	16.0	0.0		
Channel				630500	633334	636168				
Frequency (MHz)				3457.5	3500.01	3542.52				
15	QPSK	1	1	15.20	15.16	15.30		Tune-up limit (dBm)		MPR (dB)
Channel				630334	633334	636334		16.0		0.0
Frequency (MHz)				3455.01	3500.01	3545.01		Tune-up limit (dBm)		MPR (dB)
10	QPSK	1	1	15.27	15.18	15.38		16.0		0.0

Part270 n78 PC2/3 Ant3 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	17.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	15.96					
100	PI/2 BPSK	1	137	16.00					
100	PI/2 BPSK	1	271	15.99			17.0	0.0	
100	PI/2 BPSK	135	0	15.90					
100	PI/2 BPSK	135	69	15.93					
100	PI/2 BPSK	135	138	15.97					
100	PI/2 BPSK	270	0	15.91			17.0	0.0	
100	QPSK	1	1	15.81					
100	QPSK	1	137	16.02					
100	QPSK	1	271	15.86					
100	QPSK	135	0	15.90			17.0	0.0	
100	QPSK	135	69	16.00			17.0	0.0	
100	QPSK	135	138	15.80			17.0	0.0	
100	QPSK	270	0	15.99					
100	16QAM	1	1	15.94					
100	64QAM	1	1	15.93					
100	256QAM	1	1	15.97			17.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	15.93	15.75	15.82	17.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	15.85	15.89	15.83	17.0	0.0	
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	15.93	15.75	15.75	17.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	15.84	15.77	15.92	17.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	15.96	15.78	15.85	17.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	15.91	15.82	15.91	17.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	15.97	15.75	15.88	17.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	15.91	15.92	15.93	17.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	15.79	15.91	15.89	17.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	15.77	15.97	15.95	17.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	15.95	15.76	15.78	17.0	0.0	

Part27Q 78 PC2/3 Ant3 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		17.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		16.12				
100	PI/2 BPSK	1	137		16.29				
100	PI/2 BPSK	1	271		16.30		17.0	0.0	
100	PI/2 BPSK	135	0		16.12				
100	PI/2 BPSK	135	69		16.20				
100	PI/2 BPSK	135	138		16.17				
100	PI/2 BPSK	270	0		16.19		17.0	0.0	
100	QPSK	1	1		16.15				
100	QPSK	1	137		16.31				
100	QPSK	1	271		16.28				
100	QPSK	135	0		16.27		17.0	0.0	
100	QPSK	135	69		16.30		17.0	0.0	
100	QPSK	135	138		16.11		17.0	0.0	
100	QPSK	270	0		16.13				
100	16QAM	1	1		16.28				
100	64QAM	1	1		16.30				
100	256QAM	1	1		16.12		17.0	0.0	
Channel				633900	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	15.94	16.07	15.92	17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	16.05	15.91	16.06	17.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	16.12	16.07	15.91	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	16.09	16.10	16.09	17.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	16.05	16.00	15.98	17.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	15.93	15.94	15.98	17.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	16.12	16.04	16.01	17.0	0.0	
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	16.00	16.01	16.13	17.0	0.0	
Channel				630568	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	16.01	15.92	16.06	17.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	15.98	15.95	16.12	17.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	16.05	16.06	16.08	17.0	0.0	

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BW [MHz]	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	656000	662000	15.7	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.39	15.52	15.57		
100	PI/2 BPSK	1	137	15.45	15.42	15.41		
100	PI/2 BPSK	1	271	15.42	15.49	15.37	15.7	0.0
100	PI/2 BPSK	135	0	15.48	15.51	15.44		
100	PI/2 BPSK	135	69	15.55	15.59	15.38		
100	PI/2 BPSK	135	138	15.50	15.49	15.57		
100	PI/2 BPSK	270	0	15.55	15.55	15.39	15.7	0.0
100	QPSK	1	1	15.40	15.47	15.37		
100	QPSK	1	137	15.55	15.61	15.58		
100	QPSK	1	271	15.56	15.48	15.40		
100	QPSK	135	0	15.44	15.55	15.38	15.7	0.0
100	QPSK	135	69	15.42	15.56	15.42		
100	QPSK	135	138	15.53	15.52	15.53		
100	QPSK	270	0	15.45	15.55	15.53		
100	16QAM	1	1	15.50	15.54	15.59	15.7	0.0
100	64QAM	1	1	15.38	15.45	15.47		
100	256QAM	1	1	15.34	15.50	15.45		
Channel				649668	655000	662334		
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	15.40	15.57	15.39	15.7	0.0
Channel				649334	656000	663668	15.7	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.46	15.50	15.41		
Channel				648000	656000	663000		
Frequency (MHz)				3735	3840	3945	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	15.46	15.50	15.47	15.7	0.0
Channel				648668	656000	663334	15.7	0.0
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.49	15.50	15.42		
Channel				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	15.41	15.59	15.51	15.7	0.0
Channel				648000	656000	664000	15.7	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.42	15.58	15.51		
Channel				647668	656000	664334		
Frequency (MHz)				3715.02	3840	3965.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	15.43	15.40	15.50	15.7	0.0
Channel				647500	656000	664500	15.7	0.0
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	15.46	15.44	15.36		
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	15.40	15.42	15.42	15.7	0.0
Channel				647168	656000	664834	15.7	0.0
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	15.36	15.57	15.51		
Channel				647000	656000	665000		
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	15.40	15.42	15.43	15.7	0.0

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BW [MHz]	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			15.7	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	15.50				
100	PI/2 BPSK	1	137	15.53				
100	PI/2 BPSK	1	271	15.52			15.7	0.0
100	PI/2 BPSK	135	0	15.63				
100	PI/2 BPSK	135	69	15.63				
100	PI/2 BPSK	135	138	15.51				
100	PI/2 BPSK	270	0	15.49			15.7	0.0
100	QPSK	1	1	15.56				
100	QPSK	1	137	15.65				
100	QPSK	1	271	15.64				
100	QPSK	135	0	15.54			15.7	0.0
100	QPSK	135	69	15.61				
100	QPSK	135	138	15.60				
100	QPSK	270	0	15.57				
100	16QAM	1	1	15.54			15.7	0.0
100	64QAM	1	1	15.45				
100	256QAM	1	1	15.59				
Channel				633000	633334	633668	Tune-up limit (dBm)	
Frequency (MHz)				3495	3500.01	3505.02	15.7	0.0
90	QPSK	1	1	15.45	15.47	15.64	15.7	0.0
Channel				632668	633334	634000	15.7	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.49	15.47	15.63		
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	15.51	15.56	15.52	15.7	0.0
Channel				632000	633334	634668	15.7	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.65	15.62	15.55		
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	15.64	15.56	15.60	15.7	0.0
Channel				631334	633334	635334	15.7	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.49	15.51	15.66		
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	15.57	15.56	15.48	15.7	0.0
Channel				630834	633334	635834	15.7	0.0
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	15.48	15.50	15.61		
Channel				630568	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	15.54	15.46	15.49	15.7	0.0
Channel				630500	633334	636168	15.7	0.0
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	15.56	15.51	15.54		
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	15.63	15.43	15.64	15.7	0.0

Part270 n78 PC2/3 Ant4 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	17.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		16.60				
100	PI/2 BPSK	1	137		16.49		17.0	0.0	
100	PI/2 BPSK	1	271		16.59				
100	PI/2 BPSK	135	0		16.53				
100	PI/2 BPSK	135	69		16.61		17.0	0.0	
100	PI/2 BPSK	135	138		16.60		17.0	0.0	
100	PI/2 BPSK	270	0		16.51		17.0	0.0	
100	QPSK	1	1		16.43		17.0	0.0	
100	QPSK	1	137		16.65				
100	QPSK	1	271		16.50				
100	QPSK	135	0		16.43		17.0	0.0	
100	QPSK	135	69		16.60		17.0	0.0	
100	QPSK	135	138		16.58		17.0	0.0	
100	QPSK	270	0		16.52		17.0	0.0	
100	16QAM	1	1		16.54		17.0	0.0	
100	64QAM	1	1		16.47		17.0	0.0	
100	256QAM	1	1		16.52		17.0	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		16.52	16.54	16.51	17.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		16.53	16.41	16.39	17.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		16.37	16.49	16.51	17.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		16.47	16.36	16.53	17.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		16.45	16.39	16.43	17.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		16.54	16.35	16.57	17.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		16.57	16.39	16.55	17.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		16.34	16.34	16.48	17.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		16.37	16.37	16.56	17.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		16.49	16.40	16.40	17.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		16.40	16.53	16.44	17.0	0.0

Part27Q 78 PC2/3 Ant4 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01	17.0	0.0	
Frequency (MHz)									
100	PI/2 BPSK	1	1		16.68				
100	PI/2 BPSK	1	137		16.57		17.0	0.0	
100	PI/2 BPSK	1	271		16.68				
100	PI/2 BPSK	135	0		16.58				
100	PI/2 BPSK	135	69		16.63		17.0	0.0	
100	PI/2 BPSK	135	138		16.55		17.0	0.0	
100	PI/2 BPSK	270	0		16.70		17.0	0.0	
100	QPSK	1	1		16.56		17.0	0.0	
100	QPSK	1	137		16.75				
100	QPSK	1	271		16.61				
100	QPSK	135	0		16.70		17.0	0.0	
100	QPSK	135	69		16.72		17.0	0.0	
100	QPSK	135	138		16.68		17.0	0.0	
100	QPSK	270	0		16.64		17.0	0.0	
100	16QAM	1	1		16.69		17.0	0.0	
100	64QAM	1	1		16.67		17.0	0.0	
100	256QAM	1	1		16.62		17.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		16.35	16.49	16.40	17.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		16.51	16.53	16.52	17.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		16.48	16.34	16.38	17.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		16.33	16.55	16.39	17.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		16.32	16.41	16.48	17.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		16.40	16.56	16.50	17.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		16.42	16.46	16.49	17.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		16.35	16.55	16.42	17.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		16.26	16.37	16.48	17.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		16.34	16.37	16.40	17.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		16.38	16.35	16.55	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	19.0	0.0
Frequency (MHz)				2535	2535	2545		
50	PI/2 BPSK	1	1	17.59	17.96	17.79	19.0	0.0
50	PI/2 BPSK	1	67	17.61	17.93	17.72		
50	PI/2 BPSK	1	131	17.53	17.99	17.77		
50	PI/2 BPSK	64	0	17.72	17.98	17.87	19.0	0.0
50	PI/2 BPSK	64	35	17.67	17.86	17.91	19.0	0.0
50	PI/2 BPSK	64	69	17.52	17.93	17.68	19.0	0.0
50	PI/2 BPSK	128	0	17.57	17.89	17.83	19.0	0.0
50	QPSK	1	1	17.72	18.06	17.90		
50	QPSK	1	67	17.68	17.95	17.81		
50	QPSK	1	131	17.50	18.03	17.82	19.0	0.0
50	QPSK	64	0	17.71	18.04	17.81		
50	QPSK	64	35	17.52	18.05	17.71		
50	QPSK	64	69	17.62	17.98	17.80	19.0	0.0
50	QPSK	128	0	17.62	17.84	17.69		
50	16QAM	1	1	17.72	17.87	17.88	19.0	0.0
50	64QAM	1	1	17.53	18.01	17.68	19.0	0.0
50	256QAM	1	1	17.62	17.99	17.74	19.0	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	1	17.69	17.99	17.69	19.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.54	17.96	17.74	19.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	17.51	18.07	17.68	19.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	17.63	18.01	17.72	19.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	17.60	17.98	17.84	19.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.72	18.07	17.71	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	19.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	17.87	18.03	18.08			
40	PI/2 BPSK	1	53	18.10	18.13	17.95			
40	PI/2 BPSK	1	104	17.98	18.16	18.11	19.5	0.0	
40	PI/2 BPSK	50	0	18.06	18.09	18.02			
40	PI/2 BPSK	50	28	18.03	18.03	18.02			
40	PI/2 BPSK	50	56	18.05	18.05	18.09			
40	PI/2 BPSK	100	0	17.92	18.15	17.99	19.5	0.0	
40	QPSK	1	1	17.88	18.11	18.15			
40	QPSK	1	53	18.08	18.19	18.15			
40	QPSK	1	104	17.93	18.13	18.04			
40	QPSK	50	0	18.05	18.16	18.02	19.5	0.0	
40	QPSK	50	28	17.97	18.17	17.96			
40	QPSK	50	56	17.91	18.10	17.94			
40	QPSK	100	0	17.93	18.18	18.04			
40	16QAM	1	1	18.03	18.00	17.99	19.5	0.0	
40	64QAM	1	1	17.93	18.10	18.11			
40	256QAM	1	1	17.98	18.06	17.97			
Channel				517002	519000	520998	19.5	0.0	
Frequency (MHz)				2635.01	2595	2604.99			
30	QPSK	1	1	17.99	18.04	18.07		0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2682.52	2595	2607.48			
25	QPSK	1	1	17.97	18.07	18.15	19.5	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	18.00	18.14	18.10		0.0	
Channel				515502	519000	522498			
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	18.09	18.18	17.99	19.5	0.0	
Channel				515004	519000	522996			
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	18.08	18.05	17.94		0.0	

n41 Ant5 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	19.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.99	18.01	18.02			
100	PI/2 BPSK	1	137	17.88	18.07	18.04			
100	PI/2 BPSK	1	271	18.04	17.96	17.97	19.5	0.0	
100	PI/2 BPSK	135	0	17.99	17.97	17.93			
100	PI/2 BPSK	135	69	17.99	17.95	18.10			
100	PI/2 BPSK	135	138	18.01	18.13	18.01			
100	PI/2 BPSK	270	0	18.01	18.00	17.92	19.5	0.0	
100	QPSK	1	1	17.96	18.17	17.92			
100	QPSK	1	137	18.09	18.20	18.10			
100	QPSK	1	271	18.10	18.17	17.98			
100	QPSK	135	0	17.93	18.00	18.11	19.5	0.0	
100	QPSK	135	69	18.03	18.13	18.05			
100	QPSK	135	138	17.93	18.09	18.03			
100	QPSK	270	0	18.02	18.08	18.06			
100	16QAM	1	1	17.95	18.12	17.99	19.5	0.0	
100	64QAM	1	1	17.95	18.03	18.08			
100	256QAM	1	1	17.95	18.04	17.88			
Channel				508200	518598	528998	19.5	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.99	18.18	18.03		0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	17.95	18.12	18.01	19.5	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	18.00	18.01	17.96		0.0	
Channel				505200	518598	531996			
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	18.06	18.05	17.97	19.5	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.95	18.12	17.97		0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	17.98	18.14	18.00	19.5	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	18.10	17.99	18.02		0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.98	18.00	18.06	19.5	0.0	
Channel				500100	518598	536996			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	18.05	18.18	18.04		0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	17.89	18.00	17.96		0.0	

Par270 n77 Ant5 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	18.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.24	17.44	17.38			
100	PI/2 BPSK	1	137	17.35	17.44	17.27			
100	PI/2 BPSK	1	271	17.29	17.29	17.34	18.0	0.0	
100	PI/2 BPSK	135	0	17.22	17.32	17.35			
100	PI/2 BPSK	135	69	17.23	17.33	17.25			
100	PI/2 BPSK	135	138	17.29	17.40	17.37			
100	PI/2 BPSK	270	0	17.16	17.41	17.32	18.0	0.0	
100	QPSK	1	1	17.24	17.50	17.25			
100	QPSK	1	137	17.36	17.52	17.44			
100	QPSK	1	271	17.21	17.38	17.39			
100	QPSK	135	0	17.35	17.43	17.35	18.0	0.0	
100	QPSK	135	69	17.14	17.46	17.37			
100	QPSK	135	138	17.33	17.37	17.45			
100	QPSK	270	0	17.28	17.51	17.35			
100	16QAM	1	1	17.16	17.46	17.22	18.0	0.0	
100	64QAM	1	1	17.24	17.51	17.33			
100	256QAM	1	1	17.26	17.52	17.32			
Channel				649668	656000	662334		18.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.17	17.45	17.37			
Channel				649334	656000	662668	18.0	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.29	17.47	17.35		18.0	
Channel				649000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	17.29	17.51	17.42		18.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	17.37	17.33	17.39		18.0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	17.20	17.30	17.39		18.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.32	17.35	17.36		18.0	
Channel				647668	656000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	17.35	17.51	17.37		18.0	
Channel				647500	656000	664500			
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	17.35	17.41	17.44		18.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	17.37	17.40	17.29		18.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	17.20	17.42	17.24		18.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	17.26	17.47	17.29		18.0	

Part27Q n77 Ant5 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel						633334	18.0	0.0	
Frequency (MHz)						3500.01			
100	PI/2 BPSK	1	1			17.41			
100	PI/2 BPSK	1	137			17.43			
100	PI/2 BPSK	1	271			17.50	18.0	0.0	
100	PI/2 BPSK	135	0			17.48			
100	PI/2 BPSK	135	69			17.35			
100	PI/2 BPSK	135	138			17.38			
100	PI/2 BPSK	270	0			17.49	18.0	0.0	
100	QPSK	1	1			17.31			
100	QPSK	1	137			17.51			
100	QPSK	1	271			17.50			
100	QPSK	135	0			17.35	18.0	0.0	
100	QPSK	135	69			17.36			
100	QPSK	135	138			17.31			
100	QPSK	270	0			17.48			
100	16QAM	1	1			17.36	18.0	0.0	
100	64QAM	1	1			17.40			
100	256QAM	1	1			17.52			
Channel				633000	633334	633668		18.0	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	17.08	17.09	17.13		18.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	17.13	17.29	17.28		18.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	17.12	17.28	17.22		18.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	17.21	17.16	17.21		18.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	17.16	17.26	17.14		18.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	17.14	17.24	17.27		18.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	17.16	17.17	17.21		18.0	
Channel				630834	633334	635834			
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	17.15	17.15	17.24		18.0	
Channel				630568	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	17.14	17.22	17.27		18.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	17.16	17.15	17.13		18.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	17.19	17.29	17.12		18.0	

Part270 n78 PC2/3 Ant5 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	19.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		18.29				
100	PI/2 BPSK	1	137		18.27				
100	PI/2 BPSK	1	271		18.12		19.0	0.0	
100	PI/2 BPSK	135	0		18.16				
100	PI/2 BPSK	135	69		18.28				
100	PI/2 BPSK	135	138		18.08				
100	PI/2 BPSK	270	0		18.28		19.0	0.0	
100	QPSK	1	1		18.08				
100	QPSK	1	137		18.32				
100	QPSK	1	271		18.30				
100	QPSK	135	0		18.13		19.0	0.0	
100	QPSK	135	69		18.29				
100	QPSK	135	138		18.13				
100	QPSK	270	0		18.14				
100	16QAM	1	1		18.20		19.0	0.0	
100	64QAM	1	1		18.30				
100	256QAM	1	1		18.16				
Channel				649668	650000	650334	19.0	0.0	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		18.09	18.11		0.0	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		18.13	18.07	19.0	0.0	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		18.14	17.98	19.0	0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		18.07	18.07	19.0	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		18.12	18.08	19.0	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		18.04	18.02	19.0	0.0	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		17.99	18.04	19.0	0.0	
Channel				647500	650000	652500			
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		18.03	18.16	19.0	0.0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		18.05	17.99	19.0	0.0	
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		18.00	18.09	19.0	0.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		18.12	18.09	19.0	0.0	

Part27Q 78 PC2/3 Ant5 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		19.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		18.07				
100	PI/2 BPSK	1	137		18.07				
100	PI/2 BPSK	1	271		18.18		19.0	0.0	
100	PI/2 BPSK	135	0		18.06				
100	PI/2 BPSK	135	69		18.13				
100	PI/2 BPSK	135	138		18.24				
100	PI/2 BPSK	270	0		18.22		19.0	0.0	
100	QPSK	1	1		18.17				
100	QPSK	1	137		18.25				
100	QPSK	1	271		18.04				
100	QPSK	135	0		18.09		19.0	0.0	
100	QPSK	135	69		18.15				
100	QPSK	135	138		18.12				
100	QPSK	270	0		18.25				
100	16QAM	1	1		18.08		19.0	0.0	
100	64QAM	1	1		18.06				
100	256QAM	1	1		18.05				
Channel				633000	633334	633668	19.0	0.0	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		18.07	18.09	19.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		18.20	18.16	19.0	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		18.12	18.27	19.0	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		18.21	18.14	19.0	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		18.17	18.25	19.0	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		18.08	18.27	19.0	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		18.20	18.16	19.0	0.0	
Channel				630834	633334	635834			
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		18.14	18.28	19.0	0.0	
Channel				630568	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		18.06	18.29	19.0	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		18.21	18.16	19.0	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		18.28	18.26	19.0	0.0	

Full Power Mode_Other PA

DFT-30

n7 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	24.07	24.12	24.03	25.0	0.0
50	PI/2 BPSK	1	67	24.00	24.03	23.99		
50	PI/2 BPSK	1	131	23.80	23.89	23.81		
50	PI/2 BPSK	64	0	23.67	23.72	23.66	24.5	0.5
50	PI/2 BPSK	64	35	24.03	24.15	24.11	25.0	0.0
50	PI/2 BPSK	64	69	23.64	23.66	23.61	24.5	0.5
50	PI/2 BPSK	128	0	23.68	23.62	23.65		
50	QPSK	1	1	24.11	24.19	24.14		
50	QPSK	1	67	23.86	23.97	23.94	25.0	0.0
50	QPSK	1	131	23.87	23.88	23.79		
50	QPSK	64	0	23.17	23.26	23.20	24.0	1.0
50	QPSK	64	35	24.10	24.12	24.06	25.0	0.0
50	QPSK	64	69	23.17	23.14	23.15	24.0	1.0
50	QPSK	128	0	23.15	23.22	23.18		
50	16QAM	1	1	23.15	23.25	23.13	24.0	1.0
50	64QAM	1	1	21.56	21.63	21.52	22.5	2.5
50	256QAM	1	1	19.68	19.77	19.71	20.5	4.5
Channel				504000	507000	510000	Tune-up limit	MPR
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)
40	QPSK	1	1	24.00	24.05	24.02	25.0	0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	23.98	24.10	24.04	25.0	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	23.97	24.11	24.08	25.0	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	24.08	24.05	24.11	25.0	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	23.98	24.11	24.00	25.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	23.97	24.14	24.04	25.0	0.0

n7 Ant1 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	24.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.53	22.55	22.51		
50	PI/2 BPSK	1	67	22.56	22.52	22.54		
50	PI/2 BPSK	1	131	22.57	22.54	22.52	23.5	0.5
50	PI/2 BPSK	64	0	22.05	22.01	22.03		
50	PI/2 BPSK	64	35	22.58	22.61	22.53		
50	PI/2 BPSK	64	69	22.04	22.05	22.07		
50	PI/2 BPSK	128	0	22.09	22.12	22.02	24.0	0.0
50	QPSK	1	1	22.58	22.69	22.52		
50	QPSK	1	67	22.54	22.59	22.58		
50	QPSK	1	131	22.56	22.54	22.61		
50	QPSK	64	0	21.56	21.63	21.54	23.0	1.0
50	QPSK	64	35	22.62	22.66	22.55		
50	QPSK	64	69	21.55	21.61	21.56		
50	QPSK	128	0	21.56	21.60	21.54		
50	16QAM	1	1	22.43	22.49	22.45	23.0	1.0
50	64QAM	1	1	20.98	21.05	20.92		
50	256QAM	1	1	19.42	19.46	19.38		
Channel				508000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	1	22.58	22.68	22.55		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.55	22.67	22.59		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.57	22.66	22.51		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.64	22.62	22.54		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.65	22.68	22.52		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.61	22.53	22.56		

n7 Ant2 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	23.5	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	22.11	22.08	22.05	23.5	0.0	
50	PI/2 BPSK	1	67	22.12	22.12	22.06			
50	PI/2 BPSK	1	131	21.99	22.02	21.94			
50	PI/2 BPSK	64	0	21.56	21.57	21.45	23.0	0.5	
50	PI/2 BPSK	64	35	22.12	22.12	22.07	23.5	0.0	
50	PI/2 BPSK	64	69	21.46	21.53	21.41	23.0	0.5	
50	PI/2 BPSK	128	0	21.55	21.58	21.54	23.5	0.0	
50	QPSK	1	1	22.06	22.18	22.04			
50	QPSK	1	67	22.04	22.13	22.13			
50	QPSK	1	131	22.00	22.01	22.00	22.5	1.0	
50	QPSK	64	0	21.03	21.13	21.04			
50	QPSK	64	35	22.08	22.18	22.08			
50	QPSK	64	69	20.99	21.08	21.03	22.5	1.0	
50	QPSK	128	0	21.06	21.07	21.00			
50	16QAM	1	1	21.04	21.09	21.17	22.5	1.0	
50	64QAM	1	1	19.61	19.66	19.55	21.0	2.5	
50	256QAM	1	1	17.77	17.85	17.85	19.0	4.5	
Channel				504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	QPSK	1	1	22.04	22.07	21.95	23.5	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	QPSK	1	1	22.05	22.13	21.96	23.5	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	QPSK	1	1	22.05	22.10	21.99	23.5	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	QPSK	1	1	21.97	22.12	21.98	23.5	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	21.99	22.16	21.99	23.5	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	21.97	22.05	22.01	23.5	0.0	

n7 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	24.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.35	22.42	22.30		
50	PI/2 BPSK	1	67	22.30	22.38	22.27		
50	PI/2 BPSK	1	131	22.15	22.16	22.09	23.5	0.5
50	PI/2 BPSK	64	0	21.81	21.97	21.93		
50	PI/2 BPSK	64	35	22.40	22.43	22.34		
50	PI/2 BPSK	64	69	21.81	21.88	21.86		
50	PI/2 BPSK	128	0	21.73	21.85	21.83	24.0	0.0
50	QPSK	1	1	22.59	22.61	22.50		
50	QPSK	1	67	22.38	22.42	22.32		
50	QPSK	1	131	22.15	22.18	22.09		
50	QPSK	64	0	21.32	21.33	21.26	23.0	1.0
50	QPSK	64	35	22.39	22.45	22.43		
50	QPSK	64	69	21.35	21.38	21.35		
50	QPSK	128	0	21.33	21.34	21.33		
50	16QAM	1	1	21.25	21.36	21.31	23.0	1.0
50	64QAM	1	1	19.75	19.84	19.81		
50	256QAM	1	1	17.97	18.04	18.01		
Channel				508000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	1	22.50	22.49	22.50		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.54	22.57	22.39		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.52	22.60	22.49		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.47	22.58	22.48		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.53	22.55	22.49		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.54	22.58	22.38		

Reduced Power Mode for DSI 0_Other PA DFT-30

n7 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	25.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	24.07	24.12	24.03	25.0	0.0
50	PI/2 BPSK	1	67	24.00	24.03	23.99		
50	PI/2 BPSK	1	131	23.80	23.89	23.81		
50	PI/2 BPSK	64	0	23.67	23.72	23.66	24.5	0.5
50	PI/2 BPSK	64	35	24.03	24.15	24.11	25.0	0.0
50	PI/2 BPSK	64	69	23.64	23.66	23.61	24.5	0.5
50	PI/2 BPSK	128	0	23.68	23.62	23.65	25.0	0.0
50	QPSK	1	1	24.11	24.19	24.14		
50	QPSK	1	67	23.86	23.97	23.94		
50	QPSK	1	131	23.87	23.88	23.78	24.0	1.0
50	QPSK	64	0	23.17	23.26	23.20		
50	QPSK	64	35	24.10	24.12	24.06	25.0	0.0
50	QPSK	64	69	23.17	23.14	23.15	24.0	1.0
50	QPSK	128	0	23.15	23.22	23.18	24.0	1.0
50	16QAM	1	1	23.15	23.25	23.13		
50	64QAM	1	1	21.56	21.63	21.52	22.5	2.5
50	256QAM	1	1	19.68	19.77	19.71	20.5	4.5
Channel				504000	507000	510000	25.0	0.0
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	24.00	24.05	24.02	25.0	0.0
Channel				506000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.98	24.10	24.04	25.0	0.0
Channel				502500	507000	511500	25.0	0.0
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.97	24.11	24.08	25.0	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	24.08	24.05	24.11	25.0	0.0
Channel				501500	507000	512500	25.0	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.98	24.11	24.00	25.0	0.0
Channel				501000	507000	513000	25.0	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.97	24.14	24.04	25.0	0.0

n7 Ant1 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	20.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	18.46	18.55	18.56		
50	PI/2 BPSK	1	67	18.41	18.65	18.46		
50	PI/2 BPSK	1	131	18.29	18.58	18.57	20.0	0.0
50	PI/2 BPSK	64	0	18.48	18.44	18.58		
50	PI/2 BPSK	64	35	18.31	18.58	18.47		
50	PI/2 BPSK	64	69	18.41	18.53	18.50		
50	PI/2 BPSK	128	0	18.32	18.50	18.54	20.0	0.0
50	QPSK	1	1	18.48	18.66	18.57		
50	QPSK	1	67	18.38	18.55	18.58		
50	QPSK	1	131	18.42	18.47	18.54		
50	QPSK	64	0	18.37	18.50	18.37	19.0	1.0
50	QPSK	64	35	18.50	18.64	18.45	20.0	0.0
50	QPSK	64	69	18.26	18.63	18.55	19.0	1.0
50	QPSK	128	0	18.32	18.63	18.42		
50	16QAM	1	1	18.33	18.54	18.45	20.0	0.0
50	64QAM	1	1	18.29	18.49	18.51	20.0	0.0
50	256QAM	1	1	18.04	18.10	18.06	19.5	0.5
Channel				508000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	1	18.35	18.46	18.35		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	18.45	18.57	18.36	20.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.28	18.57	18.50	20.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	18.49	18.61	18.53	20.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.29	18.49	18.35	20.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.39	18.55	18.45	20.0	0.0

n7 Ant2 DSI0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545	18.5	0.0
50	PI/2 BPSK	1	1	16.98	17.12	16.98		
50	PI/2 BPSK	1	67	16.95	17.30	16.83		
50	PI/2 BPSK	1	131	16.94	17.19	16.82		
50	PI/2 BPSK	64	0	16.95	17.17	16.82	18.5	0.0
50	PI/2 BPSK	64	35	16.99	17.30	16.85	18.5	0.0
50	PI/2 BPSK	64	69	16.87	17.18	16.86	18.5	0.0
50	PI/2 BPSK	128	0	16.89	17.26	16.80	18.5	0.0
50	QPSK	1	1	17.05	17.31	16.94		
50	QPSK	1	67	17.02	17.10	16.88		
50	QPSK	1	131	17.03	17.11	16.82		
50	QPSK	64	0	16.92	17.25	16.74	17.5	1.0
50	QPSK	64	35	16.97	17.26	16.95	18.5	0.0
50	QPSK	64	69	17.06	17.07	16.80	17.5	1.0
50	QPSK	128	0	16.93	17.10	16.87		
50	16QAM	1	1	16.99	17.24	16.89	18.5	0.0
50	64QAM	1	1	17.01	17.19	16.73	18.5	0.0
50	256QAM	1	1	16.96	17.08	16.90	18.5	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	16.90	17.07	16.83	18.5	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	16.89	17.19	16.81	18.5	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	16.88	17.11	16.78	18.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	16.97	17.20	16.87	18.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	16.98	17.19	16.95	18.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	16.99	17.30	16.76	18.5	0.0

n7 Ant5 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	24.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.35	22.42	22.30		
50	PI/2 BPSK	1	67	22.30	22.38	22.27		
50	PI/2 BPSK	1	131	22.15	22.16	22.09	23.5	0.5
50	PI/2 BPSK	64	0	21.81	21.97	21.93		
50	PI/2 BPSK	64	35	22.40	22.43	22.34		
50	PI/2 BPSK	64	69	21.81	21.88	21.86		
50	PI/2 BPSK	128	0	21.73	21.85	21.83	24.0	0.0
50	QPSK	1	1	22.59	22.61	22.50		
50	QPSK	1	67	22.38	22.42	22.32		
50	QPSK	1	131	22.15	22.18	22.09		
50	QPSK	64	0	21.32	21.33	21.26	23.0	1.0
50	QPSK	64	35	22.39	22.45	22.43		
50	QPSK	64	69	21.35	21.38	21.35		
50	QPSK	128	0	21.33	21.34	21.33		
50	16QAM	1	1	21.25	21.36	21.31	23.0	1.0
50	64QAM	1	1	19.75	19.84	19.81		
50	256QAM	1	1	17.97	18.04	18.01		
Channel				508000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	1	22.50	22.49	22.50		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.54	22.57	22.39		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.52	22.60	22.49		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.47	22.58	22.48		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.53	22.55	22.49		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.54	22.58	22.38		

Reduced Power Mode for DSI 3_Other PA DFT-30

n7 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	25.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	24.07	24.12	24.03	25.0	0.0
50	PI/2 BPSK	1	67	24.00	24.03	23.99		
50	PI/2 BPSK	1	131	23.80	23.89	23.81	24.5	0.5
50	PI/2 BPSK	64	0	23.67	23.72	23.66		
50	PI/2 BPSK	64	35	24.03	24.15	24.11	25.0	0.0
50	PI/2 BPSK	64	69	23.64	23.66	23.61	24.5	0.5
50	PI/2 BPSK	128	0	23.68	23.62	23.65		
50	QPSK	1	1	24.11	24.19	24.14	25.0	0.0
50	QPSK	1	67	23.86	23.97	23.94		
50	QPSK	1	131	23.87	23.88	23.78	24.0	1.0
50	QPSK	64	0	23.17	23.26	23.20		
50	QPSK	64	35	24.10	24.12	24.06	25.0	0.0
50	QPSK	64	69	23.17	23.14	23.15	24.0	1.0
50	QPSK	128	0	23.15	23.22	23.18		
50	16QAM	1	1	23.15	23.25	23.13	24.0	1.0
50	64QAM	1	1	21.56	21.63	21.52	22.5	2.5
50	256QAM	1	1	19.68	19.77	19.71	20.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550	25.0	0.0
40	QPSK	1	1	24.00	24.05	24.02		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	25.0	0.0
30	QPSK	1	1	23.98	24.10	24.04		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	25.0	0.0
25	QPSK	1	1	23.97	24.11	24.08		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	25.0	0.0
20	QPSK	1	1	24.08	24.05	24.11		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	25.0	0.0
15	QPSK	1	1	23.98	24.11	24.00		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	25.0	0.0
10	QPSK	1	1	23.97	24.14	24.04		

n7 Ant1 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	24.0	0.0
Frequency (MHz)				2535	2535	2545		
50	PI/2 BPSK	1	1	22.53	22.55	22.51		
50	PI/2 BPSK	1	67	22.56	22.52	22.54	23.5	0.5
50	PI/2 BPSK	1	131	22.57	22.54	22.52		
50	PI/2 BPSK	64	0	22.05	22.01	22.03		
50	PI/2 BPSK	64	35	22.58	22.61	22.53	23.5	0.5
50	PI/2 BPSK	64	69	22.04	22.05	22.07		
50	PI/2 BPSK	128	0	22.09	22.12	22.02		
50	QPSK	1	1	22.58	22.69	22.52	24.0	0.0
50	QPSK	1	67	22.54	22.59	22.58		
50	QPSK	1	131	22.56	22.54	22.61		
50	QPSK	64	0	21.56	21.63	21.54	23.0	1.0
50	QPSK	64	35	22.62	22.66	22.55		
50	QPSK	64	69	21.55	21.61	21.56		
50	QPSK	128	0	21.56	21.60	21.54	23.0	1.0
50	16QAM	1	1	22.43	22.49	22.45		
50	64QAM	1	1	20.98	21.05	20.92		
50	256QAM	1	1	19.42	19.46	19.38	19.5	4.5
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.58	22.68	22.58	24.0	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.55	22.67	22.59	24.0	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.57	22.66	22.51	24.0	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.64	22.62	22.54	24.0	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.65	22.68	22.52	24.0	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.61	22.53	22.56	24.0	0.0

n7 Ant2 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	22.5	0.0
Frequency (MHz)				2535	2535	2545		
50	PI/2 BPSK	1	1	20.97	21.14	21.00	22.5	0.0
50	PI/2 BPSK	1	67	20.97	20.98	20.97		
50	PI/2 BPSK	1	131	20.82	21.10	21.13	22.5	0.0
50	PI/2 BPSK	64	0	20.80	21.10	20.94		
50	PI/2 BPSK	64	35	20.99	21.02	20.92	22.5	0.0
50	PI/2 BPSK	64	69	20.96	21.11	20.94		
50	PI/2 BPSK	128	0	20.96	21.16	20.93	22.5	0.0
50	QPSK	1	1	20.99	21.18	21.11		
50	QPSK	1	67	20.99	21.15	20.97	22.5	0.0
50	QPSK	1	131	20.89	21.16	21.05		
50	QPSK	64	0	20.84	21.03	21.00	21.5	1.0
50	QPSK	64	35	20.84	21.10	20.94		
50	QPSK	64	69	20.99	21.09	21.00	21.5	1.0
50	QPSK	128	0	20.88	21.05	21.00		
50	16QAM	1	1	20.98	21.08	20.95	22.5	0.0
50	64QAM	1	1	19.99	19.60	19.50		
50	256QAM	1	1	17.65	17.71	17.75	19.0	3.5
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	20.86	21.04	20.98	22.5	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.84	20.95	21.00	22.5	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	20.94	20.98	20.97	22.5	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.82	21.00	20.96	22.5	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.96	21.13	21.04	22.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.91	21.16	21.09	22.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2500	2535	2570	Tune-up limit (dBm)	MPR (dB)

n7 Ant5 DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	20.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	18.60	18.58	18.40		
50	PI/2 BPSK	1	67	18.54	18.57	18.41		
50	PI/2 BPSK	1	131	18.61	18.56	18.45	20.0	0.0
50	PI/2 BPSK	64	0	18.49	18.71	18.46		
50	PI/2 BPSK	64	35	18.45	18.68	18.32		
50	PI/2 BPSK	64	69	18.64	18.63	18.42		
50	PI/2 BPSK	128	0	18.57	18.63	18.46	20.0	0.0
50	QPSK	1	1	18.66	18.72	18.45		
50	QPSK	1	67	18.44	18.62	18.28		
50	QPSK	1	131	18.64	18.67	18.26		
50	QPSK	64	0	18.52	18.52	18.33	19.0	1.0
50	QPSK	64	35	18.65	18.70	18.44	20.0	0.0
50	QPSK	64	69	18.51	18.49	18.31		
50	QPSK	128	0	18.58	18.68	18.43		
50	16QAM	1	1	18.48	18.60	18.33	20.0	0.0
50	64QAM	1	1	18.53	18.67	18.37	20.0	0.0
50	256QAM	1	1	18.17	18.22	17.83	19.5	0.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	1	18.46	18.72	18.43		
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.68	18.51	18.33		
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	18.66	18.58	18.25	20.0	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	18.63	18.51	18.31		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.67	18.50	18.47		
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.48	18.51	18.39		

Reduced Power Mode for DSI 4_Other PA DFT-30

n7 Ant0 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	19.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	18.09	18.29	18.00	19.0	0.0
50	PI/2 BPSK	1	67	18.03	18.08	18.00		
50	PI/2 BPSK	1	131	17.97	18.24	17.93	19.0	0.0
50	PI/2 BPSK	64	0	18.16	18.10	17.88		
50	PI/2 BPSK	64	35	18.15	18.28	17.97	19.0	0.0
50	PI/2 BPSK	64	69	17.99	18.24	17.98	19.0	0.0
50	PI/2 BPSK	128	0	18.13	18.29	17.97	19.0	0.0
50	QPSK	1	1	18.15	18.30	18.05		
50	QPSK	1	67	18.06	18.27	18.04	19.0	0.0
50	QPSK	1	131	18.03	18.22	18.04		
50	QPSK	64	0	18.12	18.21	17.99	19.0	0.0
50	QPSK	64	35	18.02	18.24	18.00	19.0	0.0
50	QPSK	64	69	17.99	18.12	18.01	19.0	0.0
50	QPSK	128	0	18.00	18.15	17.88		
50	16QAM	1	1	18.17	18.29	17.96	19.0	0.0
50	64QAM	1	1	17.94	18.27	17.99	19.0	0.0
50	256QAM	1	1	17.96	18.16	17.93	19.0	0.0
Channel				504000	507000	510000	Tune-up limit	MPR
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)
40	QPSK	1	1	17.94	18.30	17.93	19.0	0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	17.99	18.08	17.88	19.0	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	18.12	18.12	17.99	19.0	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	18.05	18.15	17.99	19.0	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	18.06	18.17	18.01	19.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	18.04	18.12	17.85	19.0	0.0

n7 Ant1 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	18.46	18.55	18.56	20.0	0.0	
50	PI/2 BPSK	1	67	18.41	18.65	18.46			
50	PI/2 BPSK	1	131	18.29	18.58	18.57			
50	PI/2 BPSK	64	0	18.48	18.44	18.58	20.0	0.0	
50	PI/2 BPSK	64	35	18.31	18.58	18.47	20.0	0.0	
50	PI/2 BPSK	64	69	18.41	18.53	18.50	20.0	0.0	
50	PI/2 BPSK	128	0	18.32	18.50	18.54			
50	QPSK	1	1	18.48	18.66	18.57			
50	QPSK	1	67	18.38	18.55	18.58	20.0	0.0	
50	QPSK	1	131	18.42	18.47	18.54			
50	QPSK	64	0	18.37	18.50	18.37			1.0
50	QPSK	64	35	18.50	18.64	18.45	20.0	0.0	
50	QPSK	64	69	18.26	18.63	18.55	19.0	1.0	
50	QPSK	128	0	18.32	18.63	18.42			
50	16QAM	1	1	18.33	18.54	18.45	20.0	0.0	
50	64QAM	1	1	18.29	18.49	18.51	20.0	0.0	
50	256QAM	1	1	18.04	18.10	18.06	19.5	0.5	
Channel				506000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	QPSK	1	1	18.35	18.46	18.35	20.0	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	QPSK	1	1	18.45	18.57	18.36	20.0	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	QPSK	1	1	18.28	18.57	18.50	20.0	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	QPSK	1	1	18.49	18.61	18.53	20.0	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	18.29	18.49	18.35	20.0	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	18.39	18.55	18.45	20.0	0.0	

n7 Ant2 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	18.5	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	16.98	17.12	16.96		
50	PI/2 BPSK	1	67	16.95	17.30	16.83		
50	PI/2 BPSK	1	131	16.94	17.19	16.82	18.5	0.0
50	PI/2 BPSK	64	0	16.95	17.17	16.82		
50	PI/2 BPSK	64	35	16.99	17.30	16.85		
50	PI/2 BPSK	64	69	16.87	17.18	16.86		
50	PI/2 BPSK	128	0	16.89	17.26	16.80	18.5	0.0
50	QPSK	1	1	17.05	17.31	16.94		
50	QPSK	1	67	17.02	17.10	16.88		
50	QPSK	1	131	17.03	17.11	16.82		
50	QPSK	64	0	16.92	17.25	16.74	17.5	1.0
50	QPSK	64	35	16.97	17.26	16.95		
50	QPSK	64	69	17.06	17.07	16.80		
50	QPSK	128	0	16.93	17.10	16.87		
50	16QAM	1	1	16.99	17.24	16.89	18.5	0.0
50	64QAM	1	1	17.01	17.19	16.73		
50	256QAM	1	1	16.96	17.08	16.90		
Channel				508000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	1	16.90	17.07	16.83		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	16.89	17.19	16.81		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	16.88	17.11	16.78		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	16.97	17.20	16.87		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	16.98	17.19	16.95		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	16.99	17.30	16.76		

n7 Ant5 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000	18.0	0.0
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	16.38	16.57	16.32		
50	PI/2 BPSK	1	67	16.37	16.61	16.19	18.0	0.0
50	PI/2 BPSK	1	131	16.41	16.65	16.21		
50	PI/2 BPSK	64	0	16.57	16.63	16.20		
50	PI/2 BPSK	64	35	16.53	16.57	16.32	18.0	0.0
50	PI/2 BPSK	64	69	16.40	16.58	16.40	18.0	0.0
50	PI/2 BPSK	128	0	16.51	16.63	16.23	18.0	0.0
50	QPSK	1	1	16.56	16.73	16.39		
50	QPSK	1	67	16.47	16.53	16.27		
50	QPSK	1	131	16.50	16.71	16.34	17.0	1.0
50	QPSK	64	0	16.53	16.71	16.20		
50	QPSK	64	35	16.53	16.72	16.23		
50	QPSK	64	69	16.50	16.67	16.18	17.0	1.0
50	QPSK	128	0	16.43	16.54	16.35		
50	16QAM	1	1	16.36	16.72	16.28	18.0	0.0
50	64QAM	1	1	16.48	16.66	16.28	18.0	0.0
50	256QAM	1	1	16.43	16.57	16.30	18.0	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	1	16.36	16.65	16.28		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	16.35	16.52	16.32	18.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	16.44	16.57	16.19	18.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	16.52	16.56	16.20	18.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	16.57	16.64	16.19	18.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	16.39	16.59	16.40	18.0	0.0

WLAN/Bluetooth Power

2.4GHz WLAN				Ant 1 Full power		Head Standalone		Head 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	
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.84	22.50	20.09	21.50	14.13	15.50	99.91
		6	2437	20.58	22.50	19.92	21.50	13.96	15.50	
		11	2462	20.77	22.50	19.94	21.50	13.98	15.50	
	802.11g 6Mbps	1	2412	19.73	20.50		20.50		15.50	96.97
		6	2437	19.58	20.50		20.50		15.50	
		11	2462	19.70	20.50		20.50		15.50	
	802.11n-HT20 MCS0	1	2412	19.63	20.50		20.50		15.50	96.77
		6	2437	19.56	20.50		20.50		15.50	
		11	2462	19.65	20.50		20.50		15.50	
	802.11ax-HE20 MCS0	1	2412	19.88	20.50		20.50		15.50	95.89
		6	2437	19.76	20.50		20.50		15.50	
		11	2462	19.74	20.50		20.50		15.50	

5.2GHz WLAN				Ant 1 Full power		Head Standalone		Head 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			
5.2GHz WLAN	802.11a 6Mbps	36	5180	16.58	17.50	16.58	17.50	11.12	12.00	96.97	
		40	5200	16.47	17.50	16.47	17.50		12.00		
		44	5220	16.46	17.50	16.46	17.50		12.00		
		48	5240	16.46	17.50	16.46	17.50		12.00		
	802.11n-HT20 MCS0	36	5180	16.53	17.50	16.53	17.50		12.00	96.77	
		40	5200	16.44	17.50	16.44	17.50		12.00		
		44	5220	16.48	17.50	16.48	17.50		12.00		
		48	5240	16.48	17.50	16.48	17.50		12.00		
	802.11n-HT40 MCS0	38	5190	16.06	17.00	16.06	17.00		12.00	93.68	
		46	5230	16.10	17.00	16.10	17.00		12.00		
	802.11ac-VHT20 MCS0	36	5180	16.48	17.50	16.48	17.50		12.00	96.76	
		40	5200	16.48	17.50	16.48	17.50		12.00		
		44	5220	16.51	17.50	16.51	17.50		12.00		
		48	5240	16.53	17.50	16.53	17.50		12.00		
	802.11ac-VHT40 MCS0	38	5190	16.17	17.00	16.17	17.00		12.00	93.75	
		46	5230	16.20	17.00	16.20	17.00		12.00		
	802.11ac-VHT80 MCS0	42	5210	15.82	17.00	15.82	17.00		11.12	12.00	88.19
		36	5180	16.69	17.50	16.69	17.50		11.12	12.00	95.85
	802.11ax-HE20 MCS0	40	5200	16.56	17.50	16.56	17.50			12.00	
		44	5220	16.58	17.50	16.58	17.50			12.00	
48		5240	16.68	17.50	16.68	17.50	12.00				
802.11ax-HE40 MCS0		38	5190	16.39	17.00	16.39	17.00	12.00		92.56	
	46	5230	16.33	17.00	16.33	17.00	12.00				
802.11ax-HE80 MCS0	42	5210	16.08	17.00	16.08	17.00	12.00	86.09			

5.3GHz WLAN				Ant 1 Full power		Head Standalone		Head 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			
5.3GHz WLAN	802.11a 6Mbps	52	5280	18.51	19.50		18.00		12.00	96.97	
		56	5280	18.56	19.50		18.00		12.00		
		60	5300	18.49	19.50		18.00		12.00		
		64	5320	18.43	19.50		18.00		12.00		
	802.11n-HT20 MCS0	52	5280	18.41	19.50		18.00		12.00	96.77	
		56	5280	18.43	19.50		18.00		12.00		
		60	5300	18.41	19.50		18.00		12.00		
		64	5320	18.48	19.50		18.00		12.00		
	802.11n-HT40 MCS0	54	5270	18.00	19.00		18.00		12.00	93.68	
		62	5310	18.02	19.00		18.00		12.00		
		52	5260	18.38	19.50		18.00		12.00		
	802.11ac-VHT20 MCS0	56	5280	18.51	19.50		18.00		12.00	96.76	
		60	5300	18.44	19.50		18.00		12.00		
		64	5320	18.47	19.50		18.00		12.00		
	802.11ac-VHT40 MCS0	54	5270	18.00	19.00		18.00		12.00	93.75	
		62	5310	18.01	19.00		18.00		12.00		
	802.11ac-VHT80 MCS0	58	5290	17.87	19.00	16.93	18.00	11.23	12.00	88.19	
		52	5260	18.68	19.50						18.00
	802.11ax-HE20 MCS0	56	5280	18.60	19.50		18.00		12.00	95.85	
		60	5300	18.56	19.50						18.00
64		5320	18.66	19.50	18.00						12.00
54		5270	18.24	19.00	18.00						12.00
802.11ax-HE40 MCS0	62	5310	18.21	19.00		18.00		12.00	92.56		
	58	5290	18.21	19.00						18.00	12.00
802.11ax-HE80 MCS0	58	5290	18.21	19.00		18.00		12.00	86.09		

5.5GHz WLAN				Ant 1 Full power		Head Standalone		Head Simultaneous					
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle			
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.95	19.50		17.00		11.00	96.97			
		116	5580	17.95	19.50		17.00		11.00				
		124	5620	18.02	19.50		17.00		11.00				
		132	5660	18.04	19.50		17.00		11.00				
		140	5700	18.04	19.50		17.00		11.00				
		144	5720	18.09	19.50		17.00		11.00				
	802.11n-HT20 MCS0	100	5500	17.83	19.50		17.00		11.00	96.77			
		116	5580	17.92	19.50		17.00		11.00				
		124	5620	18.05	19.50		17.00		11.00				
		132	5660	17.90	19.50		17.00		11.00				
		140	5700	17.99	19.50		17.00		11.00				
		144	5720	18.02	19.50		17.00		11.00				
	802.11n-HT40 MCS0	102	5510	17.56	19.00		17.00		11.00	93.68			
		110	5550	17.45	19.00		17.00		11.00				
		126	5630	17.47	19.00		17.00		11.00				
		134	5670	17.45	19.00		17.00		11.00				
		142	5710	17.58	19.00		17.00		11.00				
		100	5500	18.00	19.50		17.00		11.00				
	802.11ac-VHT20 MCS0	116	5580	17.90	19.50		17.00		11.00	96.76			
		124	5620	17.94	19.50		17.00		11.00				
		132	5660	17.86	19.50		17.00		11.00				
		140	5700	17.94	19.50		17.00		11.00				
		144	5720	17.54	19.50		17.00		11.00				
		102	5510	17.55	19.00		17.00		11.00				
	802.11ac-VHT40 MCS0	110	5550	17.36	19.00		17.00		11.00	93.75			
		126	5630	17.40	19.00		17.00		11.00				
		134	5670	17.45	19.00		17.00		11.00				
		142	5710	17.66	19.00		17.00		11.00				
		106	5530	17.27	19.00		15.35		17.00		9.42	11.00	88.19
		122	5610	17.28	19.00		15.38		17.00		9.48	11.00	
	138	5690	17.47	19.00	15.57	17.00	9.67	11.00					
	802.11ax-HE20 MCS0	100	5500	18.08	19.50		17.00		11.00	95.85			
		116	5580	18.12	19.50		17.00		11.00				
		124	5620	18.16	19.50		17.00		11.00				
		132	5660	18.03	19.50		17.00		11.00				
		140	5700	18.17	19.50		17.00		11.00				
		144	5720	18.15	19.50		17.00		11.00				
	802.11ax-HE40 MCS0	102	5510	17.80	19.00		17.00		11.00	92.56			
		110	5550	17.70	19.00		17.00		11.00				
		126	5630	17.70	19.00		17.00		11.00				
		134	5670	17.76	19.00		17.00		11.00				
		142	5710	17.90	19.00		17.00		11.00				
		106	5530	17.54	19.00		17.00		11.00				
	802.11ax-HE80 MCS0	122	5610	17.54	19.00		17.00		11.00	86.09			
		138	5690	17.67	19.00		17.00		11.00				

5.8GHz WLAN				Ant 1 Full power		Head Standalone		Head Simultaneous		Hotspot 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	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	17.60	19.50		16.50		10.50		13.50	96.97
		157	5785	17.65	19.50		16.50		10.50		13.50	
		165	5825	17.80	19.50		16.50		10.50		13.50	
	802.11n-HT20 MCS0	149	5745	17.11	19.00		16.50		10.50		13.50	96.77
		157	5785	17.21	19.00		16.50		10.50		13.50	
		165	5825	17.34	19.00		16.50		10.50		13.50	
	802.11n-HT40 MCS0	151	5755	17.56	19.50		16.50		10.50		13.50	93.68
		159	5795	17.51	19.50		16.50		10.50		13.50	
	802.11ac-VHT20 MCS0	149	5745	17.27	19.00		16.50		10.50		13.50	96.76
		157	5785	17.38	19.00		16.50		10.50		13.50	
		165	5825	17.41	19.00		16.50		10.50		13.50	
	802.11ac-VHT40 MCS0	151	5755	17.63	19.50		16.50		10.50		13.50	93.75
		159	5795	17.57	19.50		16.50		10.50		13.50	
	802.11ac-VHT80 MCS0	155	5775	18.01	19.50	14.74	16.50	8.93	10.50	11.68	13.50	88.19
	802.11ax-HE20 MCS0	149	5745	17.74	19.50		16.50		10.50		13.50	95.85
		157	5785	17.75	19.50		16.50		10.50		13.50	
		165	5825	17.77	19.50		16.50		10.50		13.50	
	802.11ax-HE40 MCS0	151	5755	17.71	19.50		16.50		10.50		13.50	92.56
		159	5795	17.74	19.50		16.50		10.50		13.50	
	802.11ax-HE80 MCS0	155	5775	17.92	19.50		16.50		10.50		13.50	86.09

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	15.66	13.31	13.26
	CH 39	2441	15.75	13.28	13.30
	CH 78	2480	15.78	13.46	13.33
Tune-up Limit			17.00	15.00	15.00

BT LE 1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	3.21
	CH 19	2440	3.51
	CH 39	2480	3.24
Tune-up Limit			5

BT LE 2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	3.44
	CH 19	2440	3.53
	CH 39	2480	3.46
Tune-up Limit			5.00