

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	34.00	824.2	836.4	848.8	25.00
GSM 1 Tx slot		33.15	33.18	33.08		24.15	24.18	24.08	
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	31.00	1850.2	1880	1909.8	22.00
GSM 1 Tx slot		29.96	29.99	29.84		20.96	20.99	20.84	
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	20.96	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									
Band		WCDMA 8			Tune-up Limit (dBm)	WCDMA 4V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
RX Channel		9662	9800	9938	24.50	1537	1638	1738	25.00
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
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	24.16	24.04	24.50	23.76	23.92	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	22.88	24.00
3GPP Rel 7	HSPA+ (LQAM) 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		4132	4182	4233	
RX Channel		4357	4407	4458	24.50	4357	4407	4458	25.00
Frequency (MHz)		626.4	636.4	646.6		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
3GPP Rel 99	RMC 12.2Kbps	24.03	24.16	24.04	24.50	23.76	23.92	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	22.88	24.00
3GPP Rel 7	HSPA+ (LQAM) Subtest-1	20.53	20.61	20.49	21.00	20.31	20.41	20.32	21.50

Band 2 Ant0 Default												
RF (MHz)	Modulation	RB Size	RB Offset	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Turn-on time (dBm)	MFR (dB)			
Channel												
Frequency (MHz)												
20	QPSK	1	0	23.94	23.94	23.94	23.97					
20	QPSK	1	49	23.84	23.88	23.88		25	0			
20	QPSK	1	98	23.84	23.88	23.88						
20	QPSK	50	0	22.97	23.04	22.97						
20	QPSK	50	24	22.99	23.03	22.81		24	1			
20	QPSK	50	49	22.99	23.03	22.81						
20	QPSK	100	0	22.98	23.00	22.95						
20	16QAM	1	0	23.17	23.19	23.19						
20	16QAM	1	49	23.06	23.10	23.06		24	1			
20	16QAM	1	99	23.14	23.19	23.11						
20	16QAM	50	0	21.86	21.86	21.82						
20	16QAM	50	25	21.91	21.92	21.94		23	2			
20	16QAM	50	49	21.86	21.86	21.82						
20	16QAM	100	0	21.87	21.90	21.88						
20	16QAM	100	25	21.93	21.93	21.93		23	2			
20	16QAM	1	49	21.96	22.03	21.89						
20	16QAM	1	99	21.86	21.94	21.82						
20	16QAM	50	0	20.88	21.02	20.92						
20	16QAM	50	25	20.95	20.95	20.95		22	3			
20	16QAM	50	49	20.88	20.90	20.87						
20	16QAM	100	0	20.92	20.96	20.87						
20	16QAM	100	25	20.98	20.98	20.98						
20	256QAM	1	49	18.90	19.02	18.91		20	5			
20	256QAM	1	99	18.80	18.94	18.83						
20	256QAM	50	0	18.90	18.90	18.86						
20	256QAM	50	24	18.82	18.91	18.87		20	5			
20	256QAM	50	49	18.82	18.93	18.87						
20	256QAM	100	0	18.78	18.83	18.75						
20	256QAM	100	25	18.84	18.90	18.84						
Channel												
Frequency (MHz)												
15	QPSK	1	0	18.75	18.80	18.75		Turn-on time (dBm)	MFR (dB)			
15	QPSK	1	49	18.75	18.80	18.75						
15	QPSK	1	97	23.75	23.80	23.77		25	0			
15	QPSK	1	74	23.66	23.73	23.67						
15	QPSK	36	0	22.84	22.91	22.92						
15	QPSK	36	18	22.87	22.89	22.87		24	1			
15	QPSK	36	36	22.90	22.88	22.83						
15	QPSK	72	0	22.95	22.95	22.95						
15	16QAM	1	0	23.13	23.23	23.06						
15	16QAM	1	37	22.95	22.98	22.91		24	1			
15	16QAM	1	74	23.00	23.00	22.99						
15	16QAM	36	0	21.78	21.89	21.82						
15	16QAM	36	20	21.81	21.99	21.80		23	2			
15	16QAM	36	36	21.89	21.83	21.70						
15	16QAM	72	0	21.89	21.89	21.89						
15	16QAM	1	0	21.99	22.08	22.00		23	2			
15	16QAM	1	37	21.84	21.							

Band 4 Ant0 Default													
SW (MHz)	Modulation	RB Size	SPS Cyclic	Power (dBm)	Power (dBm) Ch1/Freq0	Power (dBm) Ch2/Freq1	Power (dBm) Ch3/Freq2	Turn-on time (s)	MPE (dB)				
Frequency Channel													
5	QPSK	1	5	23.69	23.75	23.46			25	0			
5	QPSK	1	48	23.53	23.67	23.61							
5	QPSK	5	5	23.69	23.75	23.46							
5	QPSK	50	5	22.70	22.76	22.63							
5	QPSK	50	24	22.54	22.77	22.63							
5	QPSK	100	5	22.70	22.76	22.63			24	1			
5	QPSK	100	0	22.52	22.72	22.65							
5	16QAM	1	0	22.82	22.91	22.80							
5	16QAM	1	48	22.66	22.79	22.67							
5	16QAM	1	99	22.79	22.88	22.76							
5	16QAM	50	5	21.65	21.71	21.58			23	2			
5	16QAM	50	24	21.49	21.74	21.69							
5	16QAM	50	50	21.54	21.68	21.58							
5	16QAM	100	0	21.71	21.82	21.73							
5	16QAM	100	48	21.55	21.81	21.67							
5	16QAM	1	48	21.69	21.77	21.68			22	3			
5	16QAM	1	99	21.65	21.69	21.66							
5	16QAM	50	5	20.64	20.72	20.68							
5	16QAM	50	24	20.59	20.66	20.63							
5	16QAM	50	50	20.58	20.70	20.64							
5	16QAM	100	0	20.76	20.81	20.76			20	5			
5	16QAM	100	48	20.60	20.74	20.68							
5	256QAM	1	48	18.55	18.59	18.47							
5	256QAM	50	99	18.57	18.64	18.57							
5	256QAM	100	99	18.72	18.79	18.72							
5	256QAM	50	24	18.55	18.67	18.56			20	5			
5	256QAM	50	50	18.51	18.58	18.55							
5	256QAM	100	99	18.78	18.81	18.78							
Channel													
Frequency Channel				5000.6	5001.5	5002.5		Initial time (s)	MPE (dB)				
5	QPSK	1	5	17.13	17.13	17.13			25	0			
5	QPSK	1	37	23.39	23.63	23.48							
5	QPSK	1	74	23.45	23.57	23.44							
5	QPSK	5	5	23.69	23.75	23.46							
5	QPSK	50	5	22.50	22.56	22.49							
5	QPSK	50	24	22.54	22.69	22.46			24	1			
5	QPSK	50	50	22.53	22.69	22.57							
5	QPSK												

Band 5 Ant0 Default												
BW (MHz)	Modulation	RB-SF	RB-FS	RB-Offset	Power (mW) 20240	Power (mW) 20400	Power (mW) 20600	Power (mW) 20800	Power (mW) 21000	Turn-on time (s)	MPR (dB)	
Channel												
10	QPSK	1	0	24	24.43	24.54	24.46					
10	QPSK	1	25	24.46	24.52	24.41				25.5	0	
10	QPSK	1	50	24.43	24.54	24.46						
10	QPSK	1	25	0	23.46	23.53	23.39					
10	QPSK	25	12	23.40	23.49	23.35				24.5	1	
10	QPSK	25	12	23.40	23.49	23.35						
10	QPSK	50	0	23.52	23.57	23.44						
10	16QAM	1	0	23.60	23.68	23.57						
10	16QAM	1	25	23.63	23.54	23.44				24.5	1	
10	16QAM	1	50	23.60	23.68	23.57						
10	16QAM	25	12	23.64	23.46	23.34				23.5	2	
10	16QAM	25	12	23.65	23.45	23.33						
10	16QAM	50	0	23.50	23.56	23.44						
10	16QAM	50	0	23.54	23.61	23.47				23.5	2	
10	16QAM	50	25	23.59	23.54	23.38						
10	64QAM	1	48	22.41	22.47	22.33						
10	64QAM	1	25	21.38	21.49	21.41				22.5	3	
10	64QAM	25	0	21.41	21.52	21.44						
10	64QAM	25	25	21.34	21.41	21.27						
10	64QAM	50	0	21.42	21.56	21.53						
10	256QAM	1	25	19.34	19.42	19.28				20.5	5	
10	256QAM	1	48	19.28	19.42	19.29						
10	256QAM	1	50	19.33	19.43	19.33						
10	256QAM	25	12	19.33	19.38	19.29				20.5	5	
10	256QAM	25	12	19.33	19.41	19.32						
10	256QAM	50	0	19.37	19.48	19.44						
Channel												
Frequency (MHz)					826.5	836.5	846.5	856.5	866.5	Turn-on time (s)	MPR (dB)	
5	QPSK	1	0	24.30	24.47	24.46						
5	QPSK	1	25	24.30	24.47	24.46				25.5	0	
5	QPSK	1	50	24.30	24.47	24.46						
5	QPSK	1	24	23.42	23.46	23.29						
5	QPSK	12	0	23.37	23.46	23.29						
5	QPSK	12	25	23.37	23.46	23.29				24.5	1	
5	QPSK	12	13	23.39	23.45	23.36						
5	QPSK	25	0	23.48	23.52	23.32				23.5	2	
5	QPSK	25	12	23.48	23.52	23.32						
5	16QAM	1	12	23.34	23.48	23.30				24.5	1	
5	16QAM	1	24	23.51	23.52	23.29						
5	16QAM	1	25	23.51	23.48	23.23				23.5	2	
5	16QAM	12	13	22.31	22.39	22.41						

Band 7 Ant0 Default										
RF (MHz)	Modulation	RB Size	RB Offset	Power (mW)	Power (mW)	Power (mW)	Turn-on (ms)	MPE (dB)		
Channel				Ch. Freq. (MHz)	Power (mW)	Power (mW)				
Channel				20500	21100	21400				
Frequency (MHz)				20500	21100	21400	Turn-on (ms)	MPE (dB)		
20	QPSK	1	0	24.00	24.10	23.90				
20	QPSK	1	48	24.04	24.13	24.07			25	0
20	QPSK	1	96	24.08	24.17	24.10				
20	QPSK	50	0	25.13	25.23	25.17				
20	QPSK	50	48	25.18	25.27	25.21			24	1
20	QPSK	50	96	25.22	25.31	25.25				
20	QPSK	100	0	26.06	26.13	26.04				
20	16QAM	1	0	23.25	23.32	23.19				
20	16QAM	1	48	23.14	23.26	23.18			24	1
20	16QAM	1	96	23.17	23.29	23.21				
20	16QAM	50	0	22.67	22.77	22.12				
20	16QAM	50	24	22.68	22.72	22.17			23	2
20	16QAM	50	48	22.70	22.74	22.17				
20	16QAM	100	0	22.16	22.25	22.16				
20	16QAM	1	0	22.24	22.29	22.15			23	3
20	16QAM	1	48	22.28	22.33	22.17				
20	16QAM	1	96	22.31	22.34	22.06				
20	16QAM	50	0	21.69	21.73	21.02			22	3
20	16QAM	50	24	21.70	21.74	21.02				
20	16QAM	50	48	21.74	21.78	21.02				
20	16QAM	100	0	21.02	21.16	21.01				
20	16QAM	1	48	21.09	21.22	21.04				
20	16QAM	1	96	21.12	21.25	21.04			20	5
20	16QAM	50	0	19.92	19.10	19.11				
20	16QAM	50	24	19.98	19.23	19.13			20	5
20	16QAM	50	48	19.99	19.23	19.13				
20	16QAM	50	96	19.98	19.13	19.03				
20	16QAM	50	144	19.97	19.04	19.04				
Channel				20500	21100	21400	Turn-on (ms)	MPE (dB)		
Frequency (MHz)				20500	21100	21400				
15	QPSK	1	0	24.05	24.08	24.03				
15	QPSK	1	48	24.08	24.10	24.03			25	0
15	QPSK	1	96	24.11	24.12	24.03				
15	QPSK	1	144	24.18	24.24	23.79				
15	QPSK	36	0	23.09	23.13	23.12				
15	QPSK	36	36	23.09	23.13	23.12			24	1
15	QPSK	36	72	23.07	23.09	23.08				
15	QPSK	36	108	23.07	23.09	23.08				
15	QPSK	75	0	23.03	23.06	22.94				
15	16QAM	1	0	22.10	22.13	22.06			24	1
15	16QAM	1	37	22.00	22.14	22.04				
15	16QAM	1	74	22.04	22.08	22.02				
15	16QAM	36	0	22.05	22.07	22.05			23	2
15	16QAM	36	36	22.05	22.07	22.07				
15	16QAM	36	72	22.09	22.09	22.07				
15	16QAM	36	108	22.11	22.11	22.07			23	2
15	16QAM	1	0	22.00	22.07	21.96				
15	16QAM	1	37	22.00	22.07					

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 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 4 Ant1 Default																
BS (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq. 2000	Power Ch./Freq. 2075	Power Ch./Freq. 2100	Time-up int. (s)	MPR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	22.78	22.90	22.89			24.5	0						
20	QPSK	1	49	22.75	22.82	22.69										
20	QPSK	1	99	22.56	22.70	22.59										
20	QPSK	50	0	21.80	21.93	21.82										
20	QPSK	50	24	21.82	21.89	21.76										
20	QPSK	50	49	21.73	21.82	21.70			23.5	1						
20	QPSK	100	0	21.74	21.87	21.77										
20	16QAM	1	0	21.58	21.61	21.51										
20	16QAM	1	49	21.58	21.68	21.57										
20	16QAM	1	99	21.59	21.54	21.58										
20	16QAM	50	0	20.83	20.91	20.79			22.5	2						
20	16QAM	50	24	20.92	20.85											
20	16QAM	50	50	20.75	20.85	20.77										
20	16QAM	100	0	20.74	20.85	20.72										
20	16QAM	1	0	20.72	20.78	20.70										
20	16QAM	1	49	20.86	20.95	20.82			22.5	2						
20	16QAM	1	99	20.69	20.81	20.73										
20	16QAM	50	0	19.82	19.91	19.83										
20	16QAM	50	24	19.82	19.90	19.78										
20	16QAM	50	50	19.72	19.86	19.74										
20	16QAM	100	0	19.70	19.80	19.67			19.5	5						
20	16QAM	1	0	17.71	17.84	17.71										
20	256QAM	1	49	17.84	17.83	17.79										
20	256QAM	1	99	17.67	17.76	17.67										
20	256QAM	50	0	17.82	17.88	17.77										
20	256QAM	50	24	17.78	17.90	17.84			19.5	5						
20	256QAM	50	50	17.72	17.83	17.72										
20	256QAM	100	0	17.68	17.77	17.70										
Channel																
Frequency (MHz)																
15	QPSK	1	0	22.70	22.81	22.77			24.5	0						
15	QPSK	1	37	22.69	22.74	22.57										
15	QPSK	1	74	22.59	22.63	22.54										
15	QPSK	36	0	21.69	21.79	21.67										
15	QPSK	36	20	21.72	21.79	21.67										
15	QPSK	36	39	21.63	21.75	21.59			23.5	1						
15	QPSK	36	48	21.67	21.76	21.67										
15	16QAM	1	0	21.59	21.73	21.62										
15	16QAM	1	37	21.70	21.80	21.69										
15	16QAM	1	74	21.67	21.84	21.67										
15	16QAM	36	0	20.75	20.78	20.70			22.5	2						
15	16QAM	36	20	20.75	20.84	20.75										
15	16QAM	36	39	20.81	20.74	20.66										
15	16QAM	75	0	20.69	20.74	20.58										
15	16QAM	1	0	20.65	20.69	20.63										
15	16QAM	1	37	20.77	20.81	20.71			22.5	2						
15	16QAM	1	74	20.56	20.71	20.63										
15	16QAM	36	0	19.78	19.82	19.70										
15	16QAM	36	20	19.85	19.81	19.70										
15	16QAM	36	39	19.69	19.74	19.61										
15	256QAM	1	0	19.61	19.69	19.58			19.5	5						
15	256QAM	1	0	17.62	17.75	17.58										
15	256QAM	1	37	17.71	17.82	17.67										
15	256QAM	1	74	17.59	17.61	17.58										
15	256QAM	36	0	17.73	17.75	17.65										
15	256QAM	36	20	17.71	17.78	17.67			19.5	5						
15	256QAM	36	39	17.60	17.74	17.67										
15	256QAM	75	0	17.54	17.68	17.57										
Channel																
Frequency (MHz)																
10	QPSK	1	0	22.72	22.78	22.78			24.5	0						
10	QPSK	1	25	22.64	22.74	22.61										
10	QPSK	1	49	22.50	22.57	22.50										
10	QPSK	25	0	21.66	21.86	21.75										
10	QPSK	25	12	21.74	21.82	21.68										
10	QPSK	25	25	21.62	21.79	21.67			23.5	1						
10	QPSK	50	0	21.65	21.74	21.70										
10	16QAM	1	0	21.56	21.71	21.62										
10	16QAM	1	25	21.72	21.78	21.65										
10	16QAM	1	49	21.53	21.58	21.50										
10	16QAM	25	0	20.72	20.80	20.72			22.5	2						
10	16QAM	25	12	20.80	20.88	20.77										
10	16QAM	25	25	20.64	20.76	20.67										
10	16QAM	50	0	20.62	20.73	20.60										
10	16QAM	1	0	20.62	20.69	20.62										
10	16QAM	1	25	20.74	20.89	20.71			22.5	2						
10	16QAM	1	49	20.59	20.74	20.61										
10	16QAM	25	0	19.78	19.84	19.70										
10	16QAM	25	12	19.69	19.76	19.68										
10	16QAM	25	25	19.69	19.76	19.68										
10	16QAM	50	0	19.63	19.75	19.67			21.5	3						
10	16QAM	50	12	19.63	19.74	19.55										
10	16QAM	50	25	19.69	19.76	19.68										
10	16QAM	25	0	19.59	19.70	19.67										
10	16QAM	25	12	19.72	19.85	19.70										
10	16QAM	12	0	19.72	19.85	19.67			21.5	3						
10	16QAM	12	12	19.69	19.81	19.67										
10	16QAM	12	25	19.65	19.79	19.60										
10	16QAM	25	0	19.59	19.87	19.54										
10	256QAM	1	0	17.61	17.76	17.69										
10	256QAM	1	25	17.75	17.82	17.63			19.5	5						
10	256QAM	1	49	17.54	17.71	17.54										
10	256QAM	1	24	17.55	17.69	17.54										
10	256QAM	12	0	17.70	17.76	17.69										
10	256QAM	12	12	17.70	17.78	17.63										
10	256QAM	12	25	17.61	17.71	17.61			19.5	5						
10	256QAM	25	0	17.59	17.68	17.58										
Channel																
Frequency (MHz)																
5	QPSK	1	0	22.65	22.71	22.65			24.5	0						
5	QPSK	1	32	22.61	22.75	22.60										
5	QPSK	1	64	22.53	22.61	22.53										
5	QPSK	8	0	21.74	21.84	21.68										
5	QPSK	8	4	21.73	21.75	21.68										
5	QPSK	15	0	21.62	21.76	21.63			23.5	1						
5	QPSK	15	0	21.66	21.79	21.60										
5	16QAM	1	0	21.58	21.75	21.62										
5	16															

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	21	3				
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	19	5				
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 (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
	TX Channel					512				
	Frequency (MHz)					1850.2				
		661	810			661	810			
	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	23.59	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					Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	TX Channel					1312			
	Frequency (MHz)					1537			
	9262	9400	9538		1413	1513			
	9652	9800	9938		1537	1638	1738		
	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	
3GPP Rel 99	RMC 12.2Kbps	23.76	23.82	23.65	25.50	23.77	24.06	23.91	
3GPP Rel 6	HSDPA Subtest-1	22.73	22.74	22.61	24.50	22.87	23.00	22.76	
3GPP Rel 6	HSDPA Subtest-2	22.78	22.77	22.66	24.50	22.85	23.08	22.77	
3GPP Rel 6	HSDPA Subtest-3	22.32	22.34	22.20	24.00	22.45	22.60	22.32	
3GPP Rel 6	HSDPA Subtest-4	22.25	22.28	22.08	24.00	22.32	22.53	22.20	
3GPP Rel 8	DC-HSDPA Subtest-1	22.71	22.76	22.56	24.50	22.89	22.99	22.82	
3GPP Rel 8	DC-HSDPA Subtest-2	22.76	22.77	22.66	24.50	22.89	23.10	22.75	
3GPP Rel 8	DC-HSDPA Subtest-3	22.28	22.27	22.17	24.00	22.37	22.56	22.40	
3GPP Rel 8	DC-HSDPA Subtest-4	22.20	22.24	22.06	24.00	22.34	22.54	22.17	
3GPP Rel 6	HSUPA Subtest-1	22.73	22.72	22.54	24.50	22.91	23.03	22.79	
3GPP Rel 6	HSUPA Subtest-2	20.74	20.74	20.59	22.50	20.92	20.99	20.76	
3GPP Rel 6	HSUPA Subtest-3	21.74	21.77	21.64	23.50	21.96	22.01	21.74	
3GPP Rel 6	HSUPA Subtest-4	20.74	20.75	20.63	22.50	20.89	21.01	20.79	
3GPP Rel 6	HSUPA Subtest-5	22.75	22.78	22.61	24.50	22.93	23.04	22.78	
3GPP Rel 7	HSPA+ (L6QAM) Subtest-1	20.21	20.35	20.31	22.00	20.42	20.56	20.41	

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)				2590	2595	2610			
20	QPSK	1	0	23.55	23.57	23.52			
20	QPSK	1	49	23.40	23.53	23.45	23.5	1	
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	23.5	1	
20	QPSK	50	50	22.35	22.41	22.34			
20	QPSK	100	0	22.45	22.52	22.43			
20	16QAM	1	0	22.44	22.47	22.45	23.5	1	
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	22.5	2	
20	64QAM	1	0	21.50	21.57	21.48			
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			
20	64QAM	50	50	20.33	20.39	20.30	19.5	5	
20	64QAM	100	0	20.41	20.51	20.44			
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			
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	24.5	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.45	23.46	23.42			
15	QPSK	1	37	23.27	23.43	23.34	23.5	1	
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	23.5	1	
15	QPSK	36	39	22.26	22.30	22.24			
15	QPSK	75	0	22.34	22.40	22.35			
15	16QAM	1	0	22.31	22.40	22.33	23.5	1	
15	16QAM	1	37	22.15	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	22.5	2	
15	64QAM	1	0	21.42	21.47	21.38			
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			
15	64QAM	36	39	20.20	20.27	20.20	19.5	5	
15	64QAM	75	0	20.33	20.42	20.35			
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			
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	24.5	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.48	23.50	23.45			
10	QPSK	1	25	23.28	23.46	23.38	23.5	1	
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	23.5	1	
10	QPSK	25	25	22.23	22.29	22.22			
10	QPSK	50	0	22.33	22.39	22.33			
10	16QAM	1	0	22.33	22.34	22.34	23.5	1	
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	22.5	2	
10	64QAM	1	0	21.38	21.45	21.39			
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			
10	64QAM	25	25	20.26	20.33	20.23	19.5	5	
10	64QAM	50	0	20.29	20.40	20.32			
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	18.30	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	24.5	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.43	23.44	23.43			
5	QPSK	1	12	23.33	23.41	23.33	23.5	1	
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	23.5	1	
5	QPSK	12	13	22.26	22.31	22.28			
5	QPSK	25	0	22.37	22.38	22.30			
5	16QAM	1	0	22.35	22.39	22.37	23.5	1	
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	22.5	2	
5	64QAM	1	0	21.38	21.44	21.39			
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			
5	64QAM	12	13	20.26	20.30	20.19	19.5	5	
5	64QAM	25	0	20.30	20.41	20.37			
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 41 Ant2 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	24.5	0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	22.64	22.53	22.96	23.23	23.96	23.5	1		
20	QPSK	1	49	22.61	22.53	22.95	23.18	23.89				
20	QPSK	1	99	22.69	22.65	22.77	22.96	23.61				
20	QPSK	50	0	21.62	21.54	22.01	22.14	22.78				
20	QPSK	50	24	21.57	21.60	21.91	22.10	22.79				
20	QPSK	50	50	21.71	21.60	21.81	21.97	22.69	23.5	1		
20	QPSK	100	0	21.60	21.51	21.95	22.14	22.86				
20	16QAM	1	0	21.52	21.70	21.93	22.08	22.75				
20	16QAM	1	49	21.74	21.62	21.79	22.04	22.74				
20	16QAM	1	99	21.75	21.63	21.80	22.02	22.67				
20	16QAM	50	0	20.66	20.54	20.97	21.21	21.91	22.5	2		
20	16QAM	50	24	20.51	20.60	20.91	21.09	21.77				
20	16QAM	50	50	20.66	20.70	20.79	21.00	21.78				
20	16QAM	100	0	20.55	20.75	20.93	21.14	21.90				
20	64QAM	1	0	20.56	20.78	20.96	21.15	21.87				
20	64QAM	1	49	20.60	20.52	20.95	21.16	21.93	22.5	2		
20	64QAM	1	99	20.58	20.51	20.71	20.91	21.64				
20	64QAM	50	0	19.65	19.51	20.00	20.17	20.87				
20	64QAM	50	24	19.54	19.77	19.86	20.08	20.72				
20	64QAM	50	50	19.52	19.68	19.83	19.98	20.72				
20	256QAM	1	0	17.61	17.54	17.99	18.15	18.90	19.5	5		
20	256QAM	1	49	17.66	17.52	17.95	18.20	18.92				
20	256QAM	1	99	17.62	17.51	17.74	17.92	18.66				
20	256QAM	50	0	17.66	17.55	18.02	18.24	18.99				
20	256QAM	50	24	17.59	17.50	17.98	18.14	18.87				
20	256QAM	50	50	17.75	17.66	17.87	18.04	18.73	19.5	5		
20	256QAM	100	0	17.51	17.66	17.86	18.03	18.76				
Channel				39725	40173	40620	41068	41515			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			24.50	0
15	QPSK	1	0	22.51	22.71	22.83	23.12	23.88				
15	QPSK	1	37	22.50	22.65	22.83	23.08	23.75				
15	QPSK	1	74	22.61	22.51	22.65	22.85	23.51				
15	QPSK	36	0	21.79	21.71	21.90	22.05	22.70				
15	QPSK	36	20	21.69	21.65	21.83	22.00	22.68	23.5	1		
15	QPSK	36	39	21.60	22.51	21.73	21.86	22.61				
15	QPSK	75	0	21.78	21.66	21.84	22.04	22.79				
15	16QAM	1	0	21.64	21.56	21.80	22.01	22.69				
15	16QAM	1	37	21.64	21.55	21.69	21.92	22.66				
15	16QAM	1	74	21.61	21.57	21.68	21.93	22.60	23.5	1		
15	16QAM	36	0	20.85	20.70	20.85	21.11	21.78				
15	16QAM	36	20	20.65	20.64	20.85	20.98	21.65				
15	16QAM	36	39	20.55	20.53	20.72	20.90	21.71				
15	16QAM	75	0	20.70	20.56	20.81	21.04	21.77				
15	64QAM	1	0	20.73	20.68	20.83	21.04	21.81	22.5	2		
15	64QAM	1	37	20.76	20.67	20.84	21.04	21.85				
15	64QAM	1	74	20.51	20.56	20.64	20.82	21.57				
15	64QAM	36	0	19.80	19.64	19.86	20.06	20.78				
15	64QAM	36	20	19.70	19.62	19.78	19.96	20.60				
15	64QAM	36	39	19.64	19.52	19.74	19.91	20.61	21.5	3		
15	64QAM	75	0	19.76	19.68	19.85	20.06	20.74				
15	256QAM	1	0	17.79	17.68	17.86	18.08	18.84				
15	256QAM	1	37	17.78	17.69	17.82	18.14	18.78				
15	256QAM	1	74	17.53	17.56	17.76	17.98	18.55				
15	256QAM	36	0	17.80	17.70	17.95	18.12	18.92	19.5	5		
15	256QAM	36	20	17.71	17.63	17.87	18.01	18.79				
15	256QAM	36	39	17.69	17.58	17.80	17.94	18.61				
15	256QAM	75	0	17.70	17.59	17.77	17.93	18.64				
Channel				39700	40160	40620	41080	41540			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	24.50	0		
10	QPSK	1	0	22.61	22.68	22.84	23.15	23.86				
10	QPSK	1	25	22.61	22.66	22.83	23.08	23.78				
10	QPSK	1	49	22.61	22.61	22.68	22.87	23.47				
10	QPSK	25	0	21.79	21.73	21.95	22.03	22.66				
10	QPSK	25	12	21.74	21.61	21.80	22.02	22.72	23.5	1		
10	QPSK	25	25	21.65	21.51	21.73	21.84	22.57				
10	QPSK	50	0	21.75	21.65	21.86	22.07	22.76				
10	16QAM	1	0	21.68	21.62	21.82	22.02	22.67				
10	16QAM	1	25	21.61	21.54	21.65	21.97	22.66				
10	16QAM	1	49	21.65	21.53	21.71	21.95	22.54	22.5	2		
10	16QAM	25	0	20.85	20.73	20.89	21.11	21.82				
10	16QAM	25	12	20.70	20.62	20.81	20.96	21.66				
10	16QAM	25	25	20.56	20.61	20.71	20.93	21.71				
10	16QAM	50	0	20.72	20.57	20.80	21.05	21.83				
10	64QAM	1	0	20.71	20.65	20.88	21.07	21.76	22.5	2		
10	64QAM	1	25	20.72	20.70	20.86	21.06	21.80				
10	64QAM	1	49	20.51	20.56	20.59	20.81	21.55				
10	64QAM	25	0	19.83	19.70	19.92	20.06	20.77				
10	64QAM	25	12	19.66	19.56	19.75	19.99	20.61				
10	64QAM	25	25	19.63	19.56	19.72	19.85	20.60	21.5	3		
10	64QAM	50	0	19.78	19.62	19.89	20.04	20.76				
10	256QAM	1	0	17.79	17.70	17.86	18.08	18.82				
10	256QAM	1	25	17.83	17.71	17.84	18.12	18.82				
10	256QAM	1	49	17.50	17.54	17.64	17.83	18.58				
10	256QAM	25	0	17.81	17.74	17.90	18.13	18.91	19.5	5		
10	256QAM	25	12	17.78	17.69	17.90	18.08	18.78				
10	256QAM	25	25	17.63	17.55	17.80	17.91	18.62				
10	256QAM	50	0	17.69	17.53	17.76	17.96	18.65				
Channel				39675	40148	40620	41093	41565			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	24.50	0		
5	QPSK	1	0	22.79	22.72	22.83	23.12	23.83				
5	QPSK	1	12	22.80	22.67	22.82	23.04	23.79				
5	QPSK	1	24	22.60	22.51	22.65	22.84	23.54				
5	QPSK	12	0	21.77	21.69	21.93	22.01	22.68				
5	QPSK	12	7	21.71	21.65	21.86	21.98	22.66	23.5	1		
5	QPSK	12	13	21.62	21.52	21.73	21.89	22.56				
5	QPSK	25	0	21.77	21.70	21.87	22.04	22.76				
5	16QAM	1	0	21.66	21.57	21.83	22.01	22.66				
5	16QAM	1	12	21.62	21.56	21.67	21.91	22.65				
5	16QAM	1	24	21.65	21.53	21.68	21.93	22.61	23.5	1		
5	16QAM	12	0	20.82	20.71	20.85	21.10	21.82				
5	16QAM	12	7	20.69	20.63	20.82	20.98	21.65				
5	16QAM	12	13	20.60	20.50	20.72	20.91	21.67				
5	16QAM	25	0	20.67	20.62	20.86	21.00	21.81				
5	64QAM	1	0	20.73	20.67	20.89	21.08	21.79	22.5	2		
5	64QAM	1	12	20.78	20.65	20.86	21.06	21.80				
5	64QAM	1	24	20.51	20.56	20.64	20.82	21.56				
5	64QAM	12	0	19.79	19.66	19.94	20.10	20.75				
5	64QAM	12	7	19.73	19.59	19.78	20.00	20.59				
5	64QAM	12	13	19.61	19.53	19.77	19.91	20.61	21.5	3		
5	64QAM	25	0	19.78	19.62	19.88	20.05	20.75				
5	256QAM	1	0	17.77	17.68	17.92	18.09	18.81				
5	256QAM	1	12	17.83	17.64	17.85	18.14	18.78				
5	256QAM	1	24	17.53	17.56	17.66	17.82	18.58				
5	256QAM	12	0	17.84	17.69	17.95	18.13	18.93	19.5	5		
5	256QAM	12	7	17.75	17.68	17.85	18.07	18.77				
5	256QAM	12	13	17.68	17.55	17.78	17.92	18.59				
5	256QAM	25	0	17.66	17.54	17.78	17.90	18.69				

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	22.95	22.94	22.93	24	0						
20	QPSK	1	49	22.98	22.92	22.97								
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	20.51	20.56	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	20.56	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	19.57	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	64QAM	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	17.50								
Channel														
Frequency (MHz)														
18	QPSK	1	0	22.47	22.13	22.13	24	0						
18	QPSK	1	37	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	21.47	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	0	19.42	19.46	19.35	21	3						
18	64QAM	36	0	19.53	19.56	19.52								
18	64QAM	36	39	19.40	19.54	19.47								
18	64QAM	75	0	19.41	19.56	19.48								
18	256QAM	1	0	17.45	17.47	17.55	19	5						
18	256QAM	1	37	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								
18	256QAM	36	20	17.58	17.67	17.43	19	5						
18	256QAM	36	39	17.45	17.56	17.48								
18	256QAM	75	0	17.40	17.59	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	22.35	22.42	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	19.55	21	3						
10	64QAM	50	0	19.41	19.62	19.55								
10	256QAM	1	0	17.45	17.44	17.62								
10	256QAM	1	25	17.35	17.61	17.61								
10	256QAM	25	12	17.53	17.64	17.47	19	5						
10	256QAM	25	25	17.50	17.63	17.46								
10	256QAM	50	0	17.46	17.61	17.59								
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	21.49	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	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	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	64QAM	1	0	20.39	20.35	20.58								
5	64QAM	1	12	20.41	20.50	20.54								
5	64QAM	1	24	20.53	20.46	20.51	22	2						
5	64QAM	12	0	19.40	19.45	19.35								
5	64QAM	12	7	19.54	19.57	19.51								
5	64QAM	12	13	19.43	19.58	19.46								
5	256QAM	1	0	17.44	17.48	17.60	19	5						
5	256QAM	1	12	17.55	17.55	17.52								
5	256QAM	1	24	17.55	17.46	17.58								
5	256QAM	12	0	17.37	17.57	17.44								
5	256QAM	12	7	17.54	17.63	17.46	19	5						
5	256QAM	12	13	17.52	17.61	17.44								
5	256QAM	25	0											

Reduced Power Mode for DSI 0 ENDC_Main PA

Band 5 Ant1 DSI0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Enb	Power Middle Ch. / Enb	Power High Ch. / Enb	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. / Enb	Power Middle Ch. / Enb	Power High Ch. / Enb	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	Tune-up limit (dBm)	MPR (dB)	
Channel				20825	21100	21375			
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	Tune-up limit (dBm)	MPR (dB)	
Channel				20800	21100	21400			
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	17.13	Tune-up limit (dBm)	MPR (dB)	
Channel				20775	21100	21425			
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	Tune-up limit (dBm)	MPR (dB)	
Channel				20700	21100	21500			
Frequency (MHz)				2500	2535	2570			

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			
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			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
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			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
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			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
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			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	

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)										

Band 2 Ant2 DS10																		
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch. / Freq.	Power Margin Ch. / Freq.	Power Slope Ch. / Freq.	Tune-up time (min)	MFR (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	18.51	18.37												
20	64QAM	1	49	18.49	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	18.46												
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	18.53	18.53	20	0										
15	QPSK	1	37	18.52	18.51	18.53												
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	18.39	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	18.20	18.40	18.35												
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	18.46												
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	18.33												
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.													

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			
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			
15	QPSK	1	0	18.14	18.36	18.32	19.5	0	
15	QPSK	1	37	18.29	18.25	18.12			
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	19.5	0	
15	QPSK	36	39	18.19	18.06	17.94			
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	19.5	0	
15	16QAM	1	74	18.02	18.23	18.22			
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	19.5	0	
15	16QAM	75	0	18.15	18.18	18.01			
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	19.5	0	
15	64QAM	36	0	17.94	18.08	18.08			
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	19.5	0	
15	256QAM	1	0	18.10	18.28	18.33			
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	19.5	0	
15	256QAM	36	20	18.08	18.25	18.23			
15	256QAM	36	39	17.99	18.17	18.15			
15	256QAM	75	0	18.06	18.23	17.91			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	18.29	18.30	18.29	19.5	0	
10	QPSK	1	25	18.05	18.20	17.95			
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	19.5	0	
10	QPSK	25	25	18.09	18.22	17.86			
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	19.5	0	
10	16QAM	1	49	18.12	18.22	18.23			
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	19.5	0	
10	16QAM	50	0	18.21	18.07	17.91			
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	19.5	0	
10	64QAM	25	0	18.04	18.11	18.02			
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	19.5	0	
10	256QAM	1	0	18.12	18.27	18.19			
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	19.5	0	
10	256QAM	25	12	18.20	18.17	18.20			
10	256QAM	25	25	18.02	18.18	18.12			
10	256QAM	50	0	17.98	18.15	17.79			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	18.24	18.30	18.35	19.5	0	
5	QPSK	1	12	18.24	18.09	18.01			
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	19.5	0	
5	QPSK	12	13	18.06	18.04	17.97			
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	19.5	0	
5	16QAM	1	24	18.09	18.17	18.22			
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	19.5	0	
5	16QAM	25	0	18.09	18.13	17.99			
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	19.5	0	
5	64QAM	12	0	18.02	18.25	18.07			
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	19.5	0	
5	256QAM	1	0	18.32	18.27	18.34			
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	64QAM	100	0	17.74	17.57	17.58	17.73	18.62	19.5	0
20	256QAM	1	0	17.86	17.72	18.03	18.18	17.55		
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	19.5	0
20	256QAM	50	24	17.87	17.54	18.00	18.13	19.01		
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	Tune-up limit (dBm)	MPR (dB)
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									
WCDMA IV Ant0 Default									
WCDMA V 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	4357	4407
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 6	DC-HSDPA Subtest-1	23.06	23.19	23.04	23.50	22.73	23.02	22.94	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.01	23.21	23.05	23.50	22.70	22.95	22.87	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.54	22.75	22.43	23.00	22.38	22.48	22.30	23.50
3GPP Rel 6	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

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	22.84	23.04	22.96					
20	16QAM	1	99	22.74	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	18.03	18.12	18.04	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	21.84	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	18.87	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	19.05	18.97					
Channel				37860	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	22	3			
10	64QAM	1	49	21.82	21.88	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	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	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					

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			

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 4 Ant1 DS10																		
BS (MHz)	Modulation	RB Size	RB Offset	Power Min Ch / Freq	Power Max Ch / Freq	Power Avg Ch / Freq	Turn-on time (s)	MPR (dB)										
Channel																		
Frequency (MHz)																		
20	QPSK	1	0	-18.13	-18.16	-18.15	19.5	0										
20	QPSK	1	49	-17.86	-17.81	-17.82												
20	QPSK	1	99	-17.77	-17.81	-17.79												
20	QPSK	50	0	-17.91	-17.97	-17.94	19.5	0										
20	QPSK	50	24	-17.91	-17.81	-17.87												
20	QPSK	50	49	-17.77	-17.84	-17.81												
20	QPSK	100	0	-17.85	-17.95	-17.79	19.5	0										
20	15QAM	1	0	-17.86	-17.81	-17.83												
20	15QAM	1	49	-17.78	-17.86	-17.81												
20	15QAM	1	99	-17.70	-17.75	-17.73	19.5	0										
20	15QAM	50	0	-17.85	-17.81	-17.83												
20	15QAM	50	24	-17.87	-17.86	-17.82												
20	15QAM	50	49	-17.77	-17.82	-17.77	19.5	0										
20	15QAM	100	0	-17.82	-17.89	-17.77												
20	15QAM	1	0	-17.87	-17.82	-17.85												
20	15QAM	1	49	-17.84	-17.85	-17.75	19.5	0										
20	15QAM	1	99	-17.88	-17.74	-17.73												
20	15QAM	50	0	-17.87	-17.86	-17.82												
20	15QAM	50	24	-17.89	-17.89	-17.82	19.5	0										
20	15QAM	50	49	-17.74	-17.77	-17.77												
20	15QAM	100	0	-17.81	-17.87	-17.72												
20	256QAM	1	0	-17.85	-17.86	-17.81	19.5	0										
20	256QAM	1	49	-17.85	-17.86	-17.79												
20	256QAM	1	99	-17.72	-17.78	-17.74												
20	256QAM	50	0	-17.85	-17.82	-17.81	19.5	0										
20	256QAM	50	24	-17.86	-17.85	-17.85												
20	256QAM	50	49	-17.74	-17.83	-17.71												
20	256QAM	100	0	-17.79	-17.86	-17.74	19.5	0										
Channel																		
Frequency (MHz)																		
15	QPSK	1	0	-17.77	-17.81	-17.79	19.5	0										
15	QPSK	1	37	-17.74	-17.81	-17.77												
15	QPSK	1	74	-17.63	-17.74	-17.68												
15	QPSK	36	0	-17.86	-17.89	-17.78	19.5	0										
15	QPSK	36	18	-17.85	-17.86	-17.73												
15	QPSK	36	36	-17.64	-17.73	-17.72												
15	15QAM	1	0	-17.91	-17.89	-17.79	19.5	0										
15	15QAM	1	37	-17.82	-17.88	-17.82												
15	15QAM	1	74	-17.67	-17.81	-17.78												
15	15QAM	1	37	-17.67	-17.81	-17.78	19.5	0										
15	15QAM	36	0	-17.80	-17.69	-17.67												
15	15QAM	36	20	-17.78	-17.77	-17.81												
15	15QAM	36	36	-17.65	-17.71	-17.73	19.5	0										
15	15QAM	75	0	-17.79	-17.82	-17.78												
15	15QAM	75	0	-17.79	-17.77	-17.83												
15	15QAM	1	37	-17.69	-17.72	-17.69	19.5	0										
15	15QAM	1	74	-17.65	-17.64	-17.66												
15	15QAM	36	0	-17.77	-17.78	-17.68												
15	15QAM	36	20	-17.78	-17.82	-17.78	19.5	0										
15	15QAM	36	36	-17.67	-17.76	-17.71												
15	15QAM	75	0	-17.69	-17.74	-17.68												
15	256QAM	1	0	-17.74	-17.83	-17.86	19.5	0										
15	256QAM	1	37	-17.65	-17.76	-17.71												
15	256QAM	1	74	-17.69	-17.64	-17.68												
15	256QAM	36	0	-17.80	-17.84	-17.67	19.5	0										
15	256QAM	36	18	-17.75	-17.82	-17.73												
15	256QAM	36	36	-17.65	-17.72	-17.67												
15	256QAM	75	0	-17.70	-17.83	-17.72	19.5	0										
Channel																		
Frequency (MHz)																		
10	QPSK	1	0	-17.77	-17.83	-17.84	19.5	0										
10	QPSK	1	25	-17.77	-17.84	-17.73												
10	QPSK	1	50	-17.72	-17.73	-17.73												
10	QPSK	25	0	-17.85	-17.89	-17.71	19.5	0										
10	QPSK	25	12	-17.85	-17.85	-17.82												
10	QPSK	25	25	-17.75	-17.80	-17.65												
10	15QAM	1	0	-17.76	-17.88	-17.78	19.5	0										
10	15QAM	1	25	-17.71	-17.86	-17.78												
10	15QAM	1	49	-17.63	-17.69	-17.60												
10	15QAM	25	0	-17.73	-17.80	-17.79	19.5	0										
10	15QAM	25	12	-17.75	-17.75	-17.73												
10	15QAM	25	25	-17.67	-17.69	-17.72												
10	15QAM	50	0	-17.67	-17.85	-17.72	19.5	0										
10	15QAM	50	25	-17.65	-17.82	-17.70												
10	15QAM	1	25	-17.72	-17.80	-17.69												
10	15QAM	1	49	-17.56	-17.64	-17.68	19.5	0										
10	15QAM	25	0	-17.75	-17.85	-17.77												
10	15QAM	25	12	-17.78	-17.84	-17.73												
10	15QAM	25	25	-17.68	-17.70	-17.62	19.5	0										
10	15QAM	50	0	-17.78	-17.81	-17.68												
10	15QAM	50	24	-17.77	-17.81	-17.69												
10	256QAM	1	25	-17.77	-17.75	-17.74	19.5	0										
10	256QAM	1	49	-17.68	-17.68	-17.66												
10	256QAM	25	0	-17.82	-17.78	-17.67												
10	256QAM	25	12	-17.74	-17.73	-17.81	19.5	0										
10	256QAM	25	25	-17.61	-17.75	-17.69												
10	256QAM	50	0	-17.75	-17.82	-17.74												
Channel																		
Frequency (MHz)																		
5	QPSK	1	0	-17.76	-17.86	-17.69	19.5	0										
5	QPSK	1	12	-17.72	-17.80	-17.74												
5	QPSK	1	24	-17.66	-17.72	-17.61												
5	QPSK	12	0	-17.85	-17.91	-17.69	19.5	0										
5	QPSK	12	6	-17.81	-17.84	-17.71												
5	QPSK	12	13	-17.63	-17.74	-17.70												
5	QPSK	25	0	-17.73	-17.81	-17.72	19.5	0										
5	15QAM	1	0	-17.73	-17.86	-17.80												
5	15QAM	1	12	-17.78	-17.75	-17.73												
5	15QAM	1	24	-17.64	-17.74	-17.64	19.5	0										
5	15QAM	12	0	-17.78	-17.78	-17.79												
5	15QAM	12	7	-17.79	-17.77	-17.73												
5	15QAM	12	13	-17.67	-17.72	-17.67	19.5	0										
5	15QAM	25	0	-17.73	-17.82	-17.70												
5	15QAM	1	0	-17.75	-17.89	-17.83												
5	15QAM	12	0	-17.74	-17.76	-17.72	19.5	0										
5	15QAM	12	6	-17.75	-17.75	-17.73												
5	15QAM	12	13	-17.62	-17.54	-17.72												
5	15QAM	25	0	-17.69	-17.81	-17.67	19.5	0										
5	15QAM	25	12	-17.72	-17.72	-17.66												
5	15QAM	25	25	-17.65	-17.68	-17.69												
5	256QAM	1	12	-17.78	-17.78	-17.68	19.5	0										
5	256QAM	12	7	-17.80	-17.81	-17.71												
5	256QAM	12	13	-17.63	-17.77	-17.57												
5	256QAM	25	0	-17.66	-17.62	-17.61	19.5	0										
Channel																		
Frequency (MHz)																		
3	QPSK	1	0	-17.74	-17.86	-17.80	19.5	0										
3	QPSK	1	14	-17.65	-17.74	-17.69												
3	QPSK	1	28	-17.59	-17.86	-17.79												
3	QPSK	8	0	-17.79	-17.79	-17.79	19.5	0										
3	QPSK	8	7	-17.65	-17.79	-17.65												
3	QPSK	15	0	-17.78	-17.89	-17.72												
3	15QAM	1	0	-17.78	-17.88	-17.79	19.5	0										
3	15QAM	1	14	-17.62	-17.70	-17.61												
3	15QAM	1	28	-17.54	-17.77	-17.67												
3	15QAM	8	0	-17.81	-17.80	-17.79	19.5	0										
3	15QAM	8	7	-17.66	-17.77	-17.66												
3	15QAM	15	0	-17.76	-17.86	-17.76												
3	15QAM	1	0	-17.73	-17.80	-17.83	19.5	0										
3	15QAM	1	8	-17.77	-17.81	-17.63												
3	15QAM	8	0	-17.79	-17.77	-17.73												
3	15QAM	8	4	-17.77	-17.78	-17.75	19.5	0										
3	15QAM	15	0	-17.85	-17.76	-17.74												
3	15QAM	15	0	-17.70	-17.83	-17.66												
3	256QAM	1	0	-17.78	-17.90	-17.84	19.5	0										
3	256QAM	1	8	-17.81	-17.78	-17.69												
3	256QAM	8	0	-17.84	-17.84	-17.74												
3	256QAM	8	4	-17.76	-17.77	-17.72	19.5	0										
3	256QAM	15	0	-17.89	-17.68	-17.77												
3	256QAM	15	0	-17.66	-17.76	-17.75												
Channel																		
Frequency (MHz)																		
1.4	QPSK	1	0	-17.96	-18.07	-18.00	19.5	0										
1.4	QPSK	1	3	-17.90	-18.00	-17.92												
1.4	QPSK	1	6	-17.84	-17.98	-17.88												
1.4	QPSK	3	0	-18.03	-17.99	-17.91	19.5	0										
1.4	QPSK	3	1	-17.97	-17.95	-17.94												
1.4	QPSK	3	2	-17.90	-17.97	-17.94												
1.4	QPSK	6	0	-17.89	-17.96	-17.91	19.5	0										
1.4	15QAM	1	0	-17.90	-17.94	-17.89												
1.4	15QAM	1	5	-17.76	-17.82	-17.79												
1.4	15QAM	3	0	-17.96	-17.98	-17.93	19.5	0										
1.4	15QAM	3	1	-17.96	-17.86	-17.89												
1.4	15QAM	6	0	-17.87	-17.95	-17.87												
1.4	15QAM	6	0	-17.93	-18.01	-17.91	19.5	0										
1.4	15QAM	6	1	-17.82	-17.95	-17.86												
1.4	15QAM	1	5	-17.75	-17.77	-17.73												
1.4	15QAM	3	0	-17.89	-18.03	-17.94	19.5	0										
1.4	15QAM	3	1	-17.84	-17.94	-17.86												
1.4	15QAM	3	3	-17.83	-17.82	-17.84												
1.4	15QAM	6	0	-17.81	-17.98	-17.78	19.5	0										
1.4	15QAM	6	1	-17.90	-17.84	-17.86												
1.4	15QAM	6	3	-17.80	-17.87	-17.80												
1.4	256QAM	1	3	-17.96	-17.98	-17.90	19.5	0										
1.4	256QAM	1	5	-17.80	-17.87	-17.87												
1.4	256QAM	3	0	-17.99	-17.91	-17.91												
1.4	256QAM	3	1	-17.80	-17.81</													

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	17.85	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				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	2612.5			
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		
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	17.82	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	25	20.75	20.67	20.84	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	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	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	9562	9800	9938		1537	1638	1738		
Rx Channel	9562	9800	9938		1537	1638	1738		
Frequency (MHz)	1652.4	1680	1607.6		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 2 Ant2 DS10																
BS (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Time-up Int. (s)	MPR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	19.59	19.62	19.58			21	0						
20	QPSK	1	49	19.56	19.59	19.47										
20	QPSK	1	99	19.45	19.55	19.49										
20	QPSK	50	24	19.39	19.53	19.44										
20	QPSK	50	49	19.47	19.53	19.45			21	0						
20	QPSK	100	0	19.46	19.58	19.42										
20	16QAM	1	0	19.57	19.60	19.55										
20	16QAM	1	49	19.45	19.52	19.42										
20	16QAM	1	99	19.42	19.50	19.47			21	0						
20	16QAM	50	0	19.52	19.54	19.44										
20	16QAM	50	24	19.36	19.46	19.38										
20	16QAM	100	0	19.43	19.53	19.36										
20	16QAM	1	0	19.45	19.55	19.45			21	0						
20	16QAM	1	49	19.54	19.55	19.42										
20	16QAM	1	99	19.42	19.52	19.45										
20	16QAM	50	24	19.32	19.49	19.43										
20	16QAM	50	50	19.43	19.49	19.37			21	0						
20	16QAM	100	0	19.44	19.51	19.37										
20	256QAM	1	0	19.53	19.55	19.51										
20	256QAM	1	49	19.32	19.48	19.37										
20	256QAM	1	99	19.34	19.41	19.37			20	1						
20	256QAM	50	0	19.43	19.43	19.38										
20	256QAM	50	24	19.26	19.31	19.26										
20	256QAM	50	50	19.29	19.43	19.29										
20	256QAM	100	0	19.16	19.27	19.14			20	1						
Channel																
Frequency (MHz)																
15	QPSK	1	0	19.48	19.48	19.48			21	0						
15	QPSK	1	37	19.48	19.51	19.39										
15	QPSK	1	74	19.39	19.44	19.39										
15	QPSK	36	0	19.48	19.42	19.38										
15	QPSK	36	37	19.39	19.37	19.35			21	0						
15	QPSK	36	74	19.34	19.41	19.25										
15	QPSK	36	108	19.34	19.41	19.25										
15	QPSK	36	144	19.34	19.41	19.25										
15	16QAM	1	0	19.49	19.52	19.45			21	0						
15	16QAM	1	37	19.37	19.48	19.29										
15	16QAM	1	74	19.31	19.47	19.41										
15	16QAM	36	0	19.44	19.44	19.39										
15	16QAM	36	20	19.25	19.43	19.24			21	0						
15	16QAM	36	39	19.37	19.42	19.29										
15	16QAM	75	0	19.32	19.47	19.29										
15	16QAM	1	0	19.50	19.52	19.51										
15	16QAM	1	37	19.50	19.45	19.21			21	0						
15	16QAM	1	74	19.32	19.47	19.39										
15	16QAM	36	0	19.31	19.39	19.37										
15	16QAM	36	20	19.19	19.36	19.34										
15	16QAM	36	39	19.33	19.38	19.34			21	0						
15	16QAM	75	0	19.33	19.43	19.34										
15	256QAM	1	0	19.37	19.48	19.40										
15	256QAM	1	37	19.32	19.37	19.31										
15	256QAM	1	74	19.37	19.31	19.37			20	1						
15	256QAM	36	0	19.35	19.38	19.32										
15	256QAM	36	20	19.17	19.25	19.21										
15	256QAM	36	39	19.24	19.35	19.25										
15	256QAM	75	0	19.06	19.13	19.05			20	1						
Channel																
Frequency (MHz)																
10	QPSK	1	0	19.45	19.49	19.54			21	0						
10	QPSK	1	25	19.52	19.48	19.34										
10	QPSK	1	50	19.53	19.37	19.35										
10	QPSK	25	0	19.39	19.46	19.38										
10	QPSK	25	12	19.33	19.39	19.36			21	0						
10	QPSK	25	37	19.40	19.40	19.35										
10	QPSK	50	0	19.46	19.48	19.38										
10	16QAM	1	0	19.46	19.54	19.43										
10	16QAM	1	49	19.37	19.48	19.37			21	0						
10	16QAM	1	49	19.39	19.45	19.33										
10	16QAM	25	0	19.41	19.43	19.40										
10	16QAM	25	12	19.29	19.37	19.32										
10	16QAM	25	25	19.35	19.38	19.23			21	0						
10	16QAM	50	0	19.38	19.46	19.31										
10	16QAM	50	25	19.42	19.48	19.35										
10	16QAM	1	25	19.48	19.51	19.33										
10	16QAM	1	49	19.38	19.40	19.31			21	0						
10	16QAM	25	0	19.42	19.44	19.34										
10	16QAM	25	12	19.26	19.46	19.40										
10	16QAM	25	25	19.34	19.38	19.28										
10	16QAM	50	0	19.39	19.38	19.28			21	0						
10	16QAM	50	25	19.40	19.46	19.40										
10	256QAM	1	0	19.40	19.46	19.40										
10	256QAM	1	25	19.19	19.41	19.39										
10	256QAM	1	49	19.30	19.28	19.27			20	1						
10	256QAM	25	0	19.29	19.37	19.32										
10	256QAM	25	12	19.22	19.25	19.17										
10	256QAM	25	25	19.18	19.33	19.15										
10	256QAM	50	0	19.02	19.23	19.09										
Channel																
Frequency (MHz)																
5	QPSK	1	0	19.52	19.51	19.50			21	0						
5	QPSK	1	12	19.51	19.48	19.39										
5	QPSK	1	24	19.35	19.47	19.45										
5	QPSK	12	0	19.41	19.53	19.49										
5	QPSK	12	7	19.33	19.41	19.33			21	0						
5	QPSK	12	13	19.33	19.47	19.36										
5	QPSK	25	0	19.42	19.47	19.31										
5	QPSK	25	7	19.45	19.48	19.45										
5	16QAM	1	12	19.39	19.42	19.31			21	0						
5	16QAM	1	24	19.36	19.39	19.32										
5	16QAM	12	0	19.41	19.43	19.32										
5	16QAM	12	7	19.23	19.36	19.27										
5	16QAM	12	13	19.30	19.40	19.30			21	0						
5	16QAM	25	0	19.39	19.42	19.27										
5	16QAM	1	0	19.55	19.44	19.43										
5	16QAM	1	12	19.45	19.53	19.32										
5	16QAM	1	24	19.38	19.42	19.41			21	0						
5	16QAM	12	0	19.33	19.41	19.29										
5	16QAM	12	13	19.26	19.36	19.26										
5	16QAM	25	0	19.37	19.45	19.28										
5	16QAM	25	12	19.28	19.42	19.28			20	1						
5	16QAM	25	25	19.35	19.45	19.28										
5	256QAM	1	12	19.20	19.42	19.27										
5	256QAM	1	24	19.20	19.36	19.24										
5	256QAM	12	7	19.27	19.28	19.27			20	1						
5	256QAM	12	13	19.15	19.24	19.15										
5	256QAM	12	13	19.24	19.34	19.15										
5	256QAM	25	0	19.12	19.20	19.12										
Channel																
Frequency (MHz)																
3	QPSK	1	0	19.41	19.48	19.56			21	0						
3	QPSK	1	3	19.47	19.47	19.43										
3	QPSK	1	6	19.47	19.47	19.43										
3	QPSK	1	14	19.40	19.48	19.45										
3	QPSK	1	17	19.40	19.54	19.43			21	0						
3	QPSK	1	20	19.36	19.46	19.43										
3	QPSK	8	7	19.39	19.48	19.45										
3	QPSK	15	0	19.34	19.53	19.39										
3	QPSK	15	0	19.32	19.50	19.40			21	0						
3	16QAM	1	8	19.41	19.41	19.34										
3	16QAM	1	14	19.34	19.36	19.33										
3	16QAM	1	20	19.44	19.49	19.40										
3	16QAM	8	4	19.23	19.33	19.33			21	0						
3	16QAM	8	7	19.39	19.48	19.29										
3	16QAM	15	0	19.38	19.48	19.38										
3	16QAM	1	12	19.45	19.48	19.38										
3	16QAM	1	0	19.47	19.50	19.45			21	0						
3	16QAM	1	8	19.45	19.44	19.40										
3	16QAM	1	17	19.44	19.44	19.40										
3	16QAM	8	0	19.37	19.39	19.37										
3	16QAM	8	4	19.28	19.37	19.32			21	0						
3	16QAM	15	0	19.36	19.46	19.36										
3	256QAM	1	0	19.37	19.45	19.27										
3	256QAM	1	0	19.42	19.46	19.28										
3	256QAM	1	0	19.42	19.46	19.27			20	1						
3	256QAM	1	0	19.42	19.46	19.27										
3	256QAM	1	14	19.29	19.37	19.28										
3	256QAM	8	0	19.31	19.40	19.21										
3	256QAM	8	0	19.31	19.40	19.21			20	1						
3	256QAM	8	7	19.26	19.36	19.22										
3	256QAM	6	7	19.26	19.36	19.22										
3	256QAM	15	0	19.04	19.17	19.18										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	19.44	19.56	19.49			21	0						
1.4	QPSK	1	3	19.47	19.47	19.43										
1.4	QPSK	1	6	19.47	19.47	19.43										
1.4	QPSK	1	14	19.40	19.48	19.45										
1.4	QPSK	1	17	19.40	19.54	19.43			21	0						
1.4	QPSK	1	20	19.36	19.46	19.43										
1.4	QPSK	8	7	19.39	19.48	19.39										
1.4	QPSK	15	0	19.34	19.53	19.39										
1.4	QPSK	15	0	19.32	19.50	19.40			21	0						
1.4	16QAM	1	8</													

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 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	20.19	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	22	0
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	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	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	22	0
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	21.5	0.5
20	16QAM	100	0	20.02	20.11	20.49	20.68	21.45		
20	64QAM	1	0	20.02	20.14	20.21	20.44	21.25	22	0
20	64QAM	1	49	20.00	20.04	20.26	20.46	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	19.5	2.5
20	64QAM	50	50	19.51	19.64	19.88	20.03	20.70		
20	64QAM	100	0	19.80	19.66	19.94	20.15	20.92	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	19.5	2.5
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	22.00	0
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	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	22	0
15	QPSK	36	0	20.15	20.15	20.40	20.27	21.15		
15	QPSK	36	20	20.13	20.26	20.28	20.47	21.24	22	0
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	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	22	0
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	21.5	0.5
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	22	0
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	19.5	2.5
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	22	0
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	22	0
15	256QAM	1	74	17.59	17.63	17.75	17.97	18.63		
15	256QAM	36	0	17.59	17.52	18.08	18.06	18.70	22	0
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	22	0
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	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	22	0
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	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	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	22	0
10	16QAM	25	12	20.06	20.08	20.18	20.13	20.98		
10	16QAM	25	25	20.15	20.13	20.21	20.42	21.11	22	0
10	16QAM	50	0	20.14	20.03	20.46	20.40	21.25		
10	64QAM	1	0	20.00	20.14	20.22	20.41	21.24	22	0
10	64QAM	1	25	20.01	20.00	20.25	20.41	21.20		
10	64QAM	1	49	20.16	20.06	20.26	20.48	21.28	21.5	0.5
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	19.5	2.5
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	19.5	2.5
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	22	0
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	22	0
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	21.5	0.5
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	0
5	QPSK	1	12	20.18	20.09	20.55	20.60	21.47		
5	QPSK	1	24	20.12	20.06	20.22	20.21	21.06	22	0
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	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	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	22	0
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	22	0
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	21.5	0.5
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	19.5	2.5
5	64QAM	12	13	19.59	19.50	19.89	19.95	20.52		
5	64QAM	25	0	19.67	19.52	19.81	20.60	20.68	19.5	2.5
5	256QAM	1	0	17.54	17.50	17.93	17.85	18.78		
5	256QAM	1	12	17.50	17.60	17.88	18.19	18.79	19.5	2.5
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	22	0
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	1	99	22.49	22.56	22.51										
20	QPSK	50	5	21.53	21.63	21.59										
20	QPSK	50	24	21.57	21.61	21.60										
20	QPSK	50	50	21.49	21.58	21.54	23	1								
20	QPSK	100	5	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										
20	16QAM	1	99	21.54	21.60	21.57										
20	16QAM	50	0	20.53	20.58	20.48	22	2								
20	16QAM	50	24	20.62	20.56	20.50										
20	16QAM	50	50	20.54	20.58	20.60										
20	16QAM	100	0	20.43	20.58	20.52										
20	64QAM	1	0	20.62	20.56	20.51										
20	64QAM	1	49	20.53	20.62	20.65	22	2								
20	64QAM	1	99	20.59	20.57	20.59										
20	64QAM	50	0	19.52	19.54	19.45										
20	64QAM	50	24	19.51	19.69	19.59										
20	64QAM	50	50	19.54	19.65	19.57										
20	256QAM	1	0	19.47	19.62	19.56	19	5								
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										
20	256QAM	50	0	17.49	17.60	17.50										
20	256QAM	50	24	17.67	17.75	17.65	19	5								
20	256QAM	50	50	17.57	17.68	17.52										
20	256QAM	100	0	17.54	17.67	17.62										
Channel																
Frequency (MHz)																
16	QPSK	1	0	22.48	22.45	22.43	24	0								
16	QPSK	1	97	22.49	22.49	22.43										
16	QPSK	1	74	22.44	22.44	22.45										
16	QPSK	50	0	21.48	21.52	21.44										
16	QPSK	50	20	21.48	21.54	21.47										
16	QPSK	36	39	21.44	21.48	21.51	23	1								
16	QPSK	75	0	21.39	21.46	21.42										
16	16QAM	1	0	21.48	21.48	21.54										
16	16QAM	1	37	21.53	21.55	21.58										
16	16QAM	1	74	21.45	21.47	21.53										
16	16QAM	50	0	20.49	20.52	20.38	22	2								
16	16QAM	50	20	20.57	20.61	20.50										
16	16QAM	36	39	20.50	20.46	20.52										
16	16QAM	75	0	20.39	20.47	20.48										
16	64QAM	1	0	20.41	20.47	20.57										
16	64QAM	1	37	20.47	20.50	20.50	22	2								
16	64QAM	1	74	20.52	20.45	20.45										
16	64QAM	36	0	19.42	19.46	19.35										
16	64QAM	36	20	19.53	19.55	19.52										
16	64QAM	36	39	19.40	19.54	19.48										
16	256QAM	1	0	17.45	17.47	17.55	19	5								
16	256QAM	1	37	17.44	17.53	17.51										
16	256QAM	1	74	17.54	17.55	17.58										
16	256QAM	36	0	17.35	17.56	17.41										
16	256QAM	36	20	17.58	17.47	17.43										
16	256QAM	36	39	17.45	17.58	17.48	19	5								
16	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	21.41	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	20.40	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	17.61	17.61										
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	17.59										
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	20.44	20.40	22	2								
5	16QAM	12	7	20.54	20.53	20.46										
5	16QAM	12	13	20.40	20.46	20.48										
5	16QAM	25	0	20.33	20.44	20.45										
5	64QAM	1	0	20.39	20.35	20.58										
5	64QAM	1	12	20.41	20.50	20.54	22	2								
5	64QAM	1	24	20.53	20.46	20.51										
5	64QAM	12	0	19.40	19.45	19.35										

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	2612.5			
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	20.74	20.59	20.54		
20	64QAM	1	99	20.48	20.54	20.67	20.63	20.52	22	2
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	21	3
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		
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	21.65	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	19.66	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	17.59	17.59	17.64		
15	256QAM	1	74	17.46	17.70	17.74	17.60	17.65		
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		
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	20.55	20.58	20.61	22	2
10	16QAM	50	0	20.46	20.64	20.78	20.69	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		
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	41565		
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	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		
5	QPSK	12	13	21.47	21.60	21.63	21.59	21.60	23	1
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		
5	16QAM	1	24	21.49	21.64	21.67	21.60	21.54	23	1
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		
5	16QAM	25	0	20.57	20.64	20.77	20.64	20.65	22	2
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		
5	64QAM	12	0	19.68	19.68	19.80	19.76	19.71	21	3
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		
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	17.68		
5	256QAM	12	7	17.49	17.66	17.68	17.60	17.58	19	5
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		
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	Limit (dBm)	824.2	836.4	848.8	Limit (dBm)	
GSM 1 Tx slot		33.15	33.18	33.08		34.00	24.15	24.18		24.08
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	Limit (dBm)	1850.2	1880	1909.8	Limit (dBm)	
GSM 1 Tx slot		27.04	27.16	27.06		28.00	18.04	18.16		18.06
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	Limit (dBm)	1537	1638	1738	Limit (dBm)	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		
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		HS-SSA Subtest-1	20.03	20.15	19.90	20.50	17.93	18.08	17.94	19.00
3GPP Rel 6		HS-SSA Subtest-2	19.97	20.14	19.91	20.50	17.83	18.01	17.92	19.00
3GPP Rel 6		HS-SSA Subtest-3	19.51	19.65	19.38	20.00	17.39	17.53	17.39	18.50
3GPP Rel 6		HS-SSA Subtest-4	19.43	19.48	19.42	20.00	17.37	17.62	17.35	18.50
3GPP Rel 6		DC-HS-SSA Subtest-1	20.00	20.12	19.98	20.50	17.86	18.18	18.03	19.00
3GPP Rel 6		DC-HS-SSA Subtest-2	19.93	20.11	19.96	20.50	17.82	18.10	18.02	19.00
3GPP Rel 6		DC-HS-SSA Subtest-3	19.56	19.78	19.35	20.00	17.53	17.62	17.43	18.50
3GPP Rel 6		DC-HS-SSA Subtest-4	19.51	19.56	19.55	20.00	17.37	17.62	17.40	18.50
3GPP Rel 6		HS-UPA Subtest-1	19.86	20.13	20.01	20.50	17.83	18.02	17.98	19.00
3GPP Rel 6		HS-UPA Subtest-2	18.02	18.09	17.91	18.50	15.77	16.04	16.00	17.00
3GPP Rel 6		HS-UPA Subtest-3	19.03	19.18	18.90	19.50	16.86	17.05	17.00	18.00
3GPP Rel 6		HS-UPA Subtest-4	17.99	18.08	17.93	18.50	15.85	16.06	15.92	17.00
3GPP Rel 6		HS-UPA Subtest-5	20.02	20.09	19.99	20.50	17.88	18.02	17.94	19.00
3GPP Rel 7		HSPA+ (60QAM) 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	Limit (dBm)	4557	4607	4658	Limit (dBm)	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		
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		HS-SSA Subtest-1	20.03	20.15	19.90	20.50	17.93	18.08	17.94	19.00
3GPP Rel 6		HS-SSA Subtest-2	19.97	20.14	19.91	20.50	17.83	18.01	17.92	19.00
3GPP Rel 6		HS-SSA Subtest-3	19.51	19.65	19.38	20.00	17.39	17.53	17.39	18.50
3GPP Rel 6		HS-SSA Subtest-4	19.43	19.48	19.42	20.00	17.37	17.62	17.35	18.50
3GPP Rel 6		DC-HS-SSA Subtest-1	20.00	20.12	19.98	20.50	17.86	18.18	18.03	19.00
3GPP Rel 6		DC-HS-SSA Subtest-2	19.93	20.11	19.96	20.50	17.82	18.10	18.02	19.00
3GPP Rel 6		DC-HS-SSA Subtest-3	19.56	19.78	19.35	20.00	17.53	17.62	17.43	18.50
3GPP Rel 6		DC-HS-SSA Subtest-4	19.51	19.56	19.55	20.00	17.37	17.62	17.40	18.50
3GPP Rel 6		HS-UPA Subtest-1	19.86	20.13	20.01	20.50	17.83	18.02	17.98	19.00
3GPP Rel 6		HS-UPA Subtest-2	18.02	18.09	17.91	18.50	15.77	16.04	16.00	17.00
3GPP Rel 6		HS-UPA Subtest-3	19.03	19.18	18.90	19.50	16.86	17.05	17.00	18.00
3GPP Rel 6		HS-UPA Subtest-4	17.99	18.08	17.93	18.50	15.85	16.06	15.92	17.00
3GPP Rel 6		HS-UPA Subtest-5	20.02	20.09	19.99	20.50	17.88	18.02	17.94	19.00
3GPP Rel 7		HSPA+ (60QAM) Subtest-1	17.48	17.56	17.51	18.00	15.34	15.64	15.54	16.50
3GPP Rel 7		HSPA+ (60QAM) Subtest-2	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															
Frequency (MHz)															
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	20.96									
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															
Frequency (MHz)															
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															
Frequency (MHz)															
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															
Frequency (MHz)															
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								

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.	Time-to- init (ms)	Mbps (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	-18.88	-18.95	-18.95			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	-18.86	-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	-18.82	-18.72										
20	16QAM	50	50	-18.71	-18.75	-18.57			20.5	0						
20	16QAM	100	0	-18.62	-18.72	-18.70										
20	16QAM	1	0	-18.84	-18.98	-18.89										
20	16QAM	1	49	-18.75	-18.87	-18.67										
20	16QAM	1	99	-18.61	-18.68	-18.64			20.5	0						
20	16QAM	50	0	-18.72	-18.82	-18.72										
20	16QAM	50	24	-18.68	-18.82	-18.66										
20	16QAM	50	50	-18.71	-18.75	-18.59										
20	16QAM	100	0	-18.60	-18.77	-18.74			20.5	0						
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										
20	256QAM	1	49	-17.77	-17.87	-17.74			19.5	1						
20	256QAM	1	99	-17.66	-17.74	-17.64										
20	256QAM	50	24	-17.71	-17.83	-17.78										
20	256QAM	50	24	-17.71	-17.83	-17.78										
20	256QAM	50	50	-17.68	-17.76	-17.74			19.5	1						
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	-18.65	-18.77	-18.63										
15	QPSK	36	36	-18.65	-18.77	-18.61			20.5	0						
15	QPSK	36	36	-18.66	-18.74	-18.53										
15	QPSK	36	36	-18.65	-18.77	-18.61										
15	QPSK	36	36	-18.66	-18.74	-18.53										
15	16QAM	1	0	-18.71	-18.83	-18.80			20.5	0						
15	16QAM	1	37	-18.66	-18.76	-18.64										
15	16QAM	1	74	-18.58	-18.81	-18.54										
15	16QAM	36	0	-18.58	-18.69	-18.61										
15	16QAM	36	36	-18.65	-18.75	-18.51			20.5	0						
15	16QAM	36	36	-18.61	-18.63	-18.55										
15	16QAM	75	0	-18.57	-18.64	-18.55										
15	16QAM	75	0	-18.73	-18.63	-18.65										
15	16QAM	1	37	-18.67	-18.81	-18.63			20.5	0						
15	16QAM	1	74	-18.54	-18.82	-18.51										
15	16QAM	36	0	-18.59	-18.72	-18.62										
15	16QAM	36	36	-18.64	-18.70	-18.51										
15	16QAM	36	36	-18.58	-18.65	-18.55			20.5	0						
15	16QAM	75	0	-18.53	-18.65	-18.65										
15	256QAM	1	0	-17.80	-17.70	-17.56										
15	256QAM	1	74	-17.81	-17.81	-17.61			19.5	1						
15	256QAM	1	74	-17.53	-17.64	-17.58										
15	256QAM	36	0	-17.66	-17.79	-17.60										
15	256QAM	36	36	-17.61	-17.77	-17.61										
15	256QAM	36	36	-17.60	-17.68	-17.57			19.5	1						
15	256QAM	75	0	-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	-18.64										
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	37	-18.70	-18.78	-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	-18.67										
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	37	-18.60	-18.68	-18.57										
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	16QAM	1	25	-18.51	-18.80	-18.52										
10	16QAM	1	49	-18.58	-18.54	-18.55										
10	16QAM	25	0	-18.67	-18.77	-18.67										
10	16QAM	25	12	-18.56	-18.74	-18.60			20.5	0						
10	16QAM	25	37	-18.56	-18.74	-18.60										
10	16QAM	25	25	-18.52	-18.70	-18.58										
10	16QAM	50	0	-18.54	-18.87	-18.86										
10	256QAM	1	25	-17.71	-17.77	-17.60			19.5	1						
10	256QAM	1	49	-17.60	-17.68	-17.56										
10	256QAM	25	12	-17.64	-17.81	-17.66										
10	256QAM	25	12	-17.61	-17.80	-17.73										
10	256QAM	25	25	-17.65	-17.67	-17.71			19.5	1						
10	256QAM	50	0	-17.51	-17.69	-17.57										
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	-18.64										
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	37	-18.70	-18.78	-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	-18.67										
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	-1											

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	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	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				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				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	22	2		
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	21	3		
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				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	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				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				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	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				

GSM1900 Ant2 DS11

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	24.99	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	1729.5	1752.5	
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 4 Ant5 DSI1												
BW (MHz)	Modulation n	RIS Size	RIS Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (min)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	19.48	19.57	19.59						
20	QPSK	1	49	19.52	19.55	19.52	21	0				
20	QPSK	1	99	19.36	19.51	19.45						
20	QPSK	50	0	19.34	19.52	19.34						
20	QPSK	50	24	19.43	19.44	19.44	21	0				
20	QPSK	50	50	19.34	19.46	19.34						
20	QPSK	100	0	19.34	19.47	19.35						
20	16QAM	1	0	19.42	19.55	19.48						
20	16QAM	1	49	19.47	19.51	19.47	21	0				
20	16QAM	1	99	19.35	19.48	19.42						
20	16QAM	50	0	19.33	19.48	19.33						
20	16QAM	50	24	19.42	19.39	19.42						
20	16QAM	50	50	19.32	19.48	19.35	21	0				
20	16QAM	100	0	19.26	19.43	19.28						
20	64QAM	1	0	19.41	19.54	19.43						
20	64QAM	1	49	19.50	19.48	19.51	21	0				
20	64QAM	1	99	19.34	19.44	19.43						
20	64QAM	50	0	19.26	19.52	19.26						
20	64QAM	50	24	19.40	19.43	19.41	21	0				
20	64QAM	50	50	19.27	19.45	19.32						
20	64QAM	100	0	19.32	19.40	19.36						
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	17.59						
20	256QAM	50	0	17.42	17.54	17.45						
20	256QAM	50	24	17.59	17.72	17.59	19	2				
20	256QAM	50	50	17.55	17.63	17.48						
20	256QAM	100	0	17.49	17.62	17.41						
Channel												
Frequency (MHz)												
15	QPSK	1	0	19.28	19.44	19.42						
15	QPSK	1	37	19.44	19.48	19.46	21	0				
15	QPSK	1	74	19.30	19.45	19.37						
15	QPSK	36	0	19.25	19.48	19.36						
15	QPSK	36	39	19.29	19.33	19.35	21	0				
15	QPSK	36	39	19.23	19.35	19.33						
15	QPSK	75	0	19.24	19.39	19.34						
15	16QAM	1	0	19.38	19.43	19.37						
15	16QAM	1	37	19.41	19.37	19.32	21	0				
15	16QAM	1	74	19.27	19.34	19.33						
15	16QAM	36	0	19.18	19.37	19.27						
15	16QAM	36	20	19.29	19.26	19.35	21	0				
15	16QAM	36	39	19.21	19.41	19.29						
15	16QAM	75	0	19.22	19.36	19.35						
15	64QAM	1	0	19.38	19.46	19.40						
15	64QAM	1	37	19.40	19.44	19.42	21	0				
15	64QAM	1	74	19.31	19.39	19.37						
15	64QAM	36	0	19.15	19.44	19.15						
15	64QAM	36	20	19.32	19.36	19.27	21	0				
15	64QAM	36	39	19.15	19.34	19.31						
15	64QAM	75	0	19.20	19.26	19.31						
15	256QAM	1	0	17.37	17.33	17.57	19	2				
15	256QAM	1	37	17.34	17.48	17.53						
15	256QAM	1	74	17.46	17.43	17.48						
15	256QAM	36	0	17.30	17.42	17.33	19	2				
15	256QAM	36	20	17.46	17.65	17.41						
15	256QAM	36	39	17.44	17.53	17.35						
15	256QAM	75	0	17.41	17.55	17.40						
Channel												
Frequency (MHz)												
10	QPSK	1	0	19.38	19.44	19.46						
10	QPSK	1	25	19.38	19.48	19.43	21	0				
10	QPSK	1	49	19.30	19.45	19.36						
10	QPSK	25	0	19.26	19.44	19.26						
10	QPSK	25	12	19.30	19.31	19.29	21	0				
10	QPSK	25	37	19.21	19.37	19.31						
10	QPSK	50	0	19.25	19.38	19.21						
10	16QAM	1	0	19.29	19.44	19.36						
10	16QAM	1	25	19.41	19.44	19.33	21	0				
10	16QAM	1	49	19.23	19.37	19.33						
10	16QAM	25	0	19.20	19.36	19.28						
10	16QAM	25	12	19.36	19.34	19.36	21	0				
10	16QAM	25	25	19.19	19.40	19.25						
10	16QAM	50	0	19.17	19.30	19.19						
10	64QAM	1	0	19.26	19.41	19.35						
10	64QAM	1	25	19.41	19.37	19.41	21	0				
10	64QAM	1	49	19.21	19.33	19.38						
10	64QAM	25	0	19.21	19.47	19.21						
10	64QAM	25	12	19.35	19.36	19.27	21	0				
10	64QAM	25	25	19.14	19.31	19.19						
10	64QAM	50	0	19.18	19.36	19.25						
10	256QAM	1	0	17.40	17.37	17.54						
10	256QAM	1	25	17.32	17.59	17.54	19	2				
10	256QAM	1	49	17.54	17.48	17.47						
10	256QAM	25	0	17.34	17.49	17.36						
10	256QAM	25	12	17.52	17.68	17.46	19	2				
10	256QAM	25	25	17.45	17.55	17.36						
10	256QAM	50	0	17.41	17.57	17.31						
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.27	19.44	19.35						
5	QPSK	1	12	19.46	19.50	19.46	21	0				
5	QPSK	1	24	19.22	19.44	19.33						
5	QPSK	12	0	19.22	19.41	19.36						
5	QPSK	12	7	19.28	19.36	19.31	21	0				
5	QPSK	12	13	19.30	19.36	19.27						
5	QPSK	25	0	19.23	19.34	19.27						
5	16QAM	1	0	19.28	19.51	19.33						
5	16QAM	1	12	19.33	19.41	19.39	21	0				
5	16QAM	1	24	19.29	19.40	19.34						
5	16QAM	12	0	19.25	19.38	19.25						
5	16QAM	12	7	19.35	19.35	19.36	21	0				
5	16QAM	12	13	19.22	19.36	19.25						
5	16QAM	25	0	19.12	19.40	19.12						
5	64QAM	1	0	19.33	19.46	19.47						
5	64QAM	1	12	19.38	19.37	19.39	21	0				
5	64QAM	1	24	19.22	19.38	19.27						
5	64QAM	12	0	19.24	19.44	19.16						
5	64QAM	12	7	19.35	19.32	19.34	21	0				
5	64QAM	12	13	19.15	19.34	19.21						
5	64QAM	25	0	19.19	19.29	19.15						
5	256QAM	1	0	17.38	17.35	17.47						
5	256QAM	1	12	17.30	17.52	17.47	19	2				
5	256QAM	1	24	17.51	17.41	17.45						
5	256QAM	12	0	17.35	17.41	17.38						
5	256QAM	12	7	17.45	17.61	17.36	19	2				
5	256QAM	12	13	17.50	17.52	17.35						
5	256QAM	25	0	17.34	17.49	17.43						
Channel												
Frequency (MHz)												
3	QPSK	1	0	19.40	19.42	19.46						
3	QPSK	1	8	19.38	19.45	19.44	21	0				
3	QPSK	1	14	19.28	19.40	19.33						
3	QPSK	8	0	19.31	19.40	19.29						
3	QPSK	8	4	19.36	19.34	19.40	21	0				
3	QPSK	8	7	19.14	19.42	19.12						
3	QPSK	15	0	19.26	19.39	19.19						
3	16QAM	1	0	19.38	19.49	19.39						
3	16QAM	1	8	19.38	19.44	19.43	21	0				
3	16QAM	1	14	19.23	19.41	19.34						
3	16QAM	8	0	19.19	19.42	19.23						
3	16QAM	8	4	19.27	19.33	19.26	21	0				
3	16QAM	8	7	19.26	19.33	19.25						
3	16QAM	15	0	19.14	19.37	19.17						
3	64QAM	1	0	19.38	19.48	19.46						
3	64QAM	1	8	19.40	19.45	19.45	21	0				
3	64QAM	1	14	19.21	19.37	19.29						
3	64QAM	8	0	19.22	19.40	19.25						
3	64QAM	8	4	19.26	19.30	19.33	21	0				
3	64QAM	8	7	19.16	19.33	19.21						
3	64QAM	15	0	19.23	19.37	19.17						
3	256QAM	1	0	17.38	17.40	17.45						
3	256QAM	1	8	17.40	17.52	17.50	19	2				
3	256QAM	1	14	17.52	17.49	17.44						
3	256QAM	8	0	17.34	17.39	17.37						
3	256QAM	8	4	17.51	17.66	17.51	19	2				
3												

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			
Frequency (MHz)				2575	2595	2615			
15	QPSK	1	0	20.83	20.62	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			
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			
15	64QAM	36	20	19.70	19.61	19.74	21	1	
15	64QAM	36	39	19.56	19.60	19.65			
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			
15	256QAM	36	0	17.82	17.74	17.70	19	3	
15	256QAM	36	20	17.96	17.59	17.80			
15	256QAM	36	39	17.53	17.65	17.62			
15	256QAM	75	0	17.42	17.59	17.56			
Channel				37800	38000	38200			
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	19.89	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			
10	256QAM	50	0	17.45	17.45	17.60			
Channel				37775	38000	38225			
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	20.53	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	17.51	17.64	17.61			
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			

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								
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													
Burst Average Power (dBm)		Tune-up Limit (dBm)		Frame-Average Power (dBm)		Tune-up Limit (dBm)							
TX Channel	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						
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	23.19	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	20.80	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+ (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 2 Ant0 Default																		
BW (MHz)	Modulation	RB Size	RB Offset	Power Pilot Ch./Freq.	Power Data Ch./Freq.	Power Data Ch./Freq.	Time-up time (ms)	MPH (dB)										
Channel																		
Frequency (MHz)																		
20	QPSK	1	0	23.94	24.05	23.97			25	0								
20	QPSK	1	49	23.94	23.96	23.90												
20	QPSK	1	98	23.73	23.86	23.80												
20	QPSK	50	0	23.97	23.04	23.89												
20	QPSK	50	24	22.99	23.03	22.95												
20	QPSK	50	49	23.97	23.00	22.93			24	1								
20	QPSK	100	0	22.98	22.99	22.95												
20	15QAM	1	0	23.17	23.26	23.20												
20	15QAM	1	49	23.06	23.11	23.00												
20	15QAM	1	99	23.14	23.19	23.11												
20	15QAM	50	0	23.86	23.96	23.92			23	2								
20	15QAM	50	24	23.51	23.02	23.04												
20	15QAM	50	50	23.76	23.86	23.83												
20	15QAM	100	0	22.87	23.96	23.88												
20	15QAM	100	0	23.98	23.00	23.90												
20	15QAM	1	49	23.08	23.02	23.03			23	2								
20	15QAM	1	99	23.85	23.84	23.82												
20	15QAM	50	0	20.90	23.02	23.02												
20	15QAM	50	24	20.89	20.95	20.84												
20	15QAM	50	50	20.77	20.87	20.78												
20	15QAM	100	0	20.82	20.96	20.89			20	5								
20	15QAM	100	0	20.83	20.88	20.84												
20	15QAM	1	49	18.90	18.93	18.91												
20	15QAM	50	0	18.80	18.94	18.85												
20	15QAM	50	24	18.84	18.96	18.80												
20	15QAM	50	24	18.82	18.95	18.87			20	5								
20	15QAM	50	50	18.78	18.83	18.75												
20	15QAM	100	0	18.84	18.90	18.80												
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>																		
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>																		
20	QPSK	1	0	18.93	18.90	18.93			25	0								
20	QPSK	1	49	23.75	23.90	23.77												
20	QPSK	1	98	23.66	23.73	23.67												
20	QPSK	50	0	23.84	23.91	23.82												
20	QPSK	50	24	22.87	22.92	22.80												
20	QPSK	50	49	22.90	22.98	22.83			24	1								
20	QPSK	100	0	22.97	22.98	22.90												
20	15QAM	1	0	23.13	23.23	23.06												
20	15QAM	1	37	23.25	23.36	23.21												
20	15QAM	1	74	23.00	23.08	22.96												
20	15QAM	36	0	21.81	21.99	21.89			23	2								
20	15QAM	36	39	21.69	21.63	21.70												
20	15QAM	75	0	18.82	18.93	18.80												
20	15QAM	75	0	21.99	22.08	22.00												
20	15QAM	1	37	23.24	23.36	23.23												
20	15QAM	1	74	23.25	23.36	23.21			22	3								
20	15QAM	36	0	20.90	20.93	20.89												
20	15QAM	36	39	20.84	20.87	20.72												
20	15QAM	75	0	20.87	20.90	20.82												
20	15QAM	75	0	20.78	20.86	20.74												
20	15QAM	1	0	18.93	18.92	18.92			20	5								
20	15QAM	1	49	18.85	18.91	18.86												
20	15QAM	1	74	18.72	18.80	18.79												
20	15QAM	36	0	18.80	18.93	18.86												
20	15QAM	36	39	18.73	18.81	18.76												
20	15QAM	36	39	18.74	18.77	18.60			20	5								
20	15QAM	75	0	18.82	18.93	18.75												
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>																		
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>																		
20	QPSK	1	0	23.80	23.87	23.89			25	0								
20	QPSK	1	25	23.71	23.86	23.78												
20	QPSK	1	50	23.60	23.75	23.62												
20	QPSK	25	0	23.89	23.92	23.89												
20	QPSK	25	12	22.91	22.97	22.82												
20	QPSK	25	37	23.93	23.96	23.90			24	1								
20	QPSK	50	0	22.81	22.91	22.81												
20	15QAM	1	0	23.04	23.20	23.15												
20	15QAM	1	24	23.07	23.14	23.00												
20	15QAM	1	49	23.04	23.13	23.08												
20	15QAM	25	0	23.74	23.84	23.86			23	2								
20	15QAM	25	12	22.82	22.97	22.80												
20	15QAM	25	37	23.07	23.17	23.11												
20	15QAM	50	0	23.72	23.83	23.79												
20	15QAM	50	12	22.11	22.21	22.09												
20	15QAM	50	25	23.91	23.95	23.89			22	3								
20	15QAM	1	49	23.79	23.82	23.87												
20	15QAM	1	98	23.59	23.69	23.50												
20	15QAM	25	12	20.77	20.90	20.72												
20	15QAM	25	25	20.72	20.83	20.71												
20	15QAM	50	0	20.84	20.90	20.85			20	5								
20	15QAM	50	24	18.98	18.96	18.94												
20	15QAM	1	25	18.76	18.92	18.79												
20	15QAM	1	49	18.74	18.99	18.76												
20	15QAM	25	12	18.90	18.98	18.84												
20	15QAM	25	12	18.74	18.96	18.81			20	5								
20	15QAM	25	25	18.75	18.78	18.62												
20	15QAM	50	0	18.84	18.93	18.80												
20	15QAM	50	24	18.87	18.96	18.75												
20	15QAM	25	0	18.87	18.98	18.75												
Channel <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>																		
Frequency (MHz) <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>																		
3	QPSK	1	0	23.89	23.90	23.89			25	0								
3	QPSK	1	8	23.78	23.87	23.81												
3	QPSK	1	16	23.70	23.78	23.68												
3	QPSK	8	0	23.88	23.91	23.86												
3	QPSK	8	4	22.91	22.99	22.83												
3	QPSK	8	12	23.88	23.98	23.80			24	1								
3	QPSK	16	0	23.82	23.85	23.82												
3	15QAM	1	0	23.05	23.19	23.06												
3	15QAM	1	8															

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			
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			
20	16QAM	1	0	22.91	22.99	22.94			
20	16QAM	1	49	22.94	23.04	22.96	24	1	
20	16QAM	1	99	22.77	22.92	22.77			
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			
20	16QAM	100	0	22.07	22.11	22.07	23	2	
20	64QAM	1	0	21.81	21.87	21.73			
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			
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	256QAM	1	49	18.97	19.01	18.97			
20	256QAM	1	99	18.93	19.07	19.04	20	5	
20	256QAM	50	0	19.03	19.12	19.04			
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			
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			
15	16QAM	1	0	22.81	22.89	22.90			
15	16QAM	1	37	22.81	22.90	22.83	24	1	
15	16QAM	1	74	22.71	22.80	22.67			
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			
15	16QAM	75	0	22.01	22.08	21.96	23	2	
15	64QAM	1	0	21.72	21.73	21.70			
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			
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			
15	256QAM	1	37	18.82	18.97	18.83			
15	256QAM	1	74	18.82	19.02	18.93	20	5	
15	256QAM	36	0	18.94	18.98	19.00			
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			
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			
10	16QAM	1	0	22.76	22.95	22.89			
10	16QAM	1	25	22.91	22.93	22.91	24	1	
10	16QAM	1	49	22.70	22.78	22.69			
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			
10	16QAM	50	0	21.97	21.98	21.96	23	2	
10	64QAM	1	0	21.72	21.79	21.67			
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			
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			
10	256QAM	1	25	18.83	18.95	18.92			
10	256QAM	1	49	18.78	18.98	18.99	20	5	
10	256QAM	25	0	18.98	18.99	18.91			
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			
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			
5	16QAM	1	0	22.76	22.92	22.83			
5	16QAM	1	12	22.86	22.91	22.89	24	1	
5	16QAM	1	24	22.63	22.87	22.63			
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			
5	16QAM	25	0	21.93	22.05	22.04	23	2	
5	64QAM	1	0	21.67	21.80	21.62			
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			
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			
5	256QAM	1	12	18.93	18.95	18.85			
5	256QAM	1	24	18.85	18.95	18.92	20	5	
5	256QAM	12	0	18.95	19.06	19.00			
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.	
Channel				39750	40185	40620	41055	41490	25
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.98	24.09	24.19	24.02	24.07	
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	24.03	
20	QPSK	50	0	22.98	23.06	23.11	22.99	23.04	24
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				

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

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 2 Ant2 Default																
BS (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./Freq	Power Lvl Ch./Freq	Power Lvl Ch./Freq	Time-up Int. (s)	MPR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	23.50	23.58	23.61			25	0						
20	QPSK	1	49	23.48	23.57	23.65										
20	QPSK	1	99	23.43	23.53	23.63										
20	QPSK	50	0	22.48	22.60	22.49										
20	QPSK	50	24	22.41	22.54	22.43										
20	QPSK	50	49	22.41	22.50	22.44			24	1						
20	QPSK	100	0	22.43	22.57	22.45										
20	16QAM	1	0	22.40	22.52	22.45										
20	16QAM	1	49	22.40	22.53	22.47										
20	16QAM	1	99	22.42	22.50	22.38										
20	16QAM	50	0	21.46	21.57	21.51			23	2						
20	16QAM	50	24	21.42	21.56	21.41										
20	16QAM	50	49	21.40	21.46	21.38										
20	16QAM	100	0	21.41	21.54	21.43										
20	16QAM	1	0	21.39	21.54	21.44										
20	16QAM	1	49	21.28	21.41	21.31			23	2						
20	16QAM	1	99	21.34	21.40	21.30										
20	16QAM	50	0	20.51	20.62	20.49										
20	16QAM	50	24	20.39	20.49	20.35										
20	16QAM	50	50	20.36	20.47	20.38										
20	16QAM	100	0	20.47	20.55	20.48			20	5						
20	16QAM	1	0	19.52	19.58	19.45										
20	256QAM	1	49	18.40	18.50	18.41										
20	256QAM	1	99	18.37	18.48	18.42										
20	256QAM	1	49	18.44	18.50	18.38										
20	256QAM	50	24	18.28	18.38	18.27			20	5						
20	256QAM	50	50	18.36	18.45	18.34										
20	256QAM	100	0	18.27	18.32	18.24										
Channel																
Frequency (MHz)																
15	QPSK	1	0	22.43	22.48	22.43			25	0						
15	QPSK	1	37	22.38	22.45	22.33										
15	QPSK	1	74	22.38	22.44	22.29										
15	QPSK	36	0	22.39	22.52	22.49										
15	QPSK	36	36	22.48	22.48	22.33										
15	QPSK	36	39	22.32	22.38	22.25			24	1						
15	QPSK	36	75	22.38	22.42	22.29										
15	16QAM	1	0	22.29	22.45	22.34										
15	16QAM	1	37	22.32	22.40	22.29										
15	16QAM	1	74	22.31	22.44	22.23										
15	16QAM	36	0	21.39	21.47	21.38			23	2						
15	16QAM	36	20	21.36	21.43	21.28										
15	16QAM	36	39	21.28	21.37	21.25										
15	16QAM	75	0	21.33	21.47	21.33										
15	16QAM	1	0	21.31	21.37	21.33										
15	16QAM	1	37	21.21	21.29	21.27			23	2						
15	16QAM	1	74	21.23	21.32	21.27										
15	16QAM	36	0	20.43	20.55	20.40										
15	16QAM	36	20	20.30	20.40	20.29										
15	16QAM	36	39	20.34	20.37	20.28										
15	16QAM	75	0	20.37	20.45	20.38			20	5						
15	256QAM	1	0	18.40	18.46	18.41										
15	256QAM	1	37	18.37	18.42	18.34										
15	256QAM	1	74	18.35	18.39	18.31										
15	256QAM	36	0	18.32	18.44	18.32										
15	256QAM	36	20	18.35	18.37	18.24			20	5						
15	256QAM	36	39	18.25	18.38	18.23										
15	256QAM	75	0	18.19	18.25	18.22										
Channel																
Frequency (MHz)																
10	QPSK	1	0	23.39	23.50	23.32			25	0						
10	QPSK	1	25	23.36	23.46	23.38										
10	QPSK	1	49	23.32	23.44	23.35										
10	QPSK	25	0	22.40	22.54	22.43										
10	QPSK	25	12	22.31	22.44	22.32										
10	QPSK	25	25	22.32	22.44	22.38			24	1						
10	QPSK	50	0	22.32	22.44	22.38										
10	16QAM	1	0	22.30	22.44	22.33										
10	16QAM	1	24	22.32	22.39	22.39										
10	16QAM	1	49	22.33	22.41	22.37										
10	16QAM	25	0	21.36	21.48	21.43			23	2						
10	16QAM	25	12	21.32	21.43	21.33										
10	16QAM	25	25	21.33	21.34	21.23										
10	16QAM	50	0	21.30	21.41	21.37										
10	16QAM	1	25	21.15	21.28	21.21										
10	16QAM	1	49	21.27	21.29	21.22			23	2						
10	16QAM	25	0	20.32	20.49	20.42										
10	16QAM	25	12	20.28	20.38	20.25										
10	16QAM	25	25	20.28	20.40	20.24										
10	16QAM	50	0	20.39	20.42	20.37										
10	256QAM	1	0	18.44	18.51	18.39			20	5						
10	256QAM	1	25	18.36	18.40	18.29										
10	256QAM	1	49	18.29	18.38	18.34										
10	256QAM	25	0	18.33	18.43	18.31										
10	256QAM	25	12	18.20	18.27	18.14										
10	256QAM	25	25	18.28	18.34	18.22			20	5						
10	256QAM	50	0	18.31	18.25	18.18										
Channel																
Frequency (MHz)																
5	QPSK	1	0	23.48	23.46	23.46			25	0						
5	QPSK	1	12	23.35	23.50	23.37										
5	QPSK	1	24	23.32	23.44	23.32										
5	QPSK	12	0	22.36	22.48	22.37										
5	QPSK	12	12	22.28	22.48	22.33										
5	QPSK	12	13	22.34	22.42	22.29			24	1						
5	QPSK	25	0	22.31	22.44	22.38										
5	QPSK	25	1	22.28	22.45	22.33										
5	16QAM	1	12	22.31	22.44	22.29										
5	16QAM	1	24	22.30	22.40	22.26										
5	16QAM	12	0	21.39	21.51	21.44			23	2						
5	16QAM	12	7	21.35	21.45	21.34										
5	16QAM	12	13	21.32	21.37	21.23										
5	16QAM	25	0	21.28	21.47	21.33										
5	16QAM	1	0	21.25	21.40	21.38										
5	16QAM	1	12	21.21	21.32	21.22			23	2						
5	16QAM	1	12	21.27	21.32	21.20										
5	16QAM	12	0	20.41	20.51	20.38										
5	16QAM	12	7	20.30	20.42	20.29										

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	2595	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	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						
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	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						
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	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						
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	21.39	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</							

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			

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		

Reduced Power Mode for DSI 4_Main PA

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	18.94	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			
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.			
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	21.98	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			
20	QPSK	50	50	21.81	21.93	21.93	21.85	21.78	23	0	
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			
20	16QAM	1	99	21.86	21.88	21.95	21.89	21.81			
20	16QAM	50	0	21.81	21.88	22.08	21.94	21.98	23	0	
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			
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	21.93	21.97	21.81	21.86	23	0	
20	64QAM	1	99	21.86	21.88	21.91	21.84	21.95			
20	64QAM	50	0	21.02	21.08	21.07	21.02	21.01			
20	64QAM	50	24	20.92	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	18.99	18.97	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	256QAM	50	24	18.96	18.84	19.06	18.90	18.92	20	3	
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			
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	0	
15	QPSK	1	37	21.80	21.87	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	22.02	21.93	21.92			
15	QPSK	36	39	21.69	21.62	21.67	21.70	21.68	23	0	
15	QPSK	75	0	21.73	21.81	21.89	21.81	21.93			
15	16QAM	1	0	21.83	22.02	22.06	21.85	21.96			
15	16QAM	1	37	21.84	21.86	21.86	21.85	21.87			
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	23	0	
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			
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	23	0	
15	64QAM	1	74	21.83	21.76	21.90	21.72	21.82			
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	18.84	18.93	18.98	18.82	18.90			
15	256QAM	36	20	18.89	18.95	18.90	18.87	18.89	20	3	
15	256QAM	36	39	18.83	18.96	18.94	18.97	18.92			
15	256QAM	75	0	18.89	19.04	19.03	18.94	18.94			
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	21.96	22.06	22.18	21.85	22.02	23	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			
10	QPSK	25	25	21.71	21.80	21.89	21.77	21.66	23	0	
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			
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	23	0	
10	16QAM	25	12	21.68	21.70	21.85	21.78	21.85			
10	16QAM	25	25	21.84	21.77	21.72	21.75	21.71			
10	16QAM	50	0	21.63	21.67	21.69	21.69	21.62			
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	21.79	23	0	
10	64QAM	1	49	21.73	21.84	21.91	21.73	21.91			
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	20	3	
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			
10	256QAM	25	12	18.83	18.83	18.93	18.82	18.78	20	3	
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			
Frequency (MHz)				2498.5	2545.5	2593	2640.30	2687.5			
5	QPSK	1	0	21.86	22.10	22.16	21.89	22.00	23	0	
5	QPSK	1	12	21.85	22.02	22.04	21.84	22.00			
5	QPSK	1	24	21.86	21.76	21.75	21.91	21.82			
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			
5	QPSK	12	13	21.71	21.90	21.87	21.76	21.71	23	0	
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			
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	23	0	
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			
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	24	21.76	21.88	21.94	21.74	21.77	23	0	
5	64QAM	1	12	21.79	21.83	21.88	21.78	21.87			
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	256QAM	25	0	20.90	21.03	21.06	21.01	21.02	20	3	
5	256QAM	1	0	18.92	18.90	18.90	18.89	18.85			
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			
5	256QAM	12	7	18.86	18.81	18.93	18.77	18.80	20	3	
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 12.2kpps	22.75	23.04	22.74	24.50
3GPP Rel 99 RMC 12.2kpps	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

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	9662	9800	9938		1537	1638	1738	
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	Tune-up limit (dBm)	MPR (dB)	
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	19.06	19.12	19.00			
10	64QAM	1	0	19.18	19.25	19.15			
10	64QAM	1	25	19.22	19.19	19.10			
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	19.19	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.	
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	20.19	20.12	20.56	20.61	21.50	22
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				

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 lim. (dB)	MPE (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	0	19.28	19.52	19.30												
20	15QAM	50	50	19.32	19.46	19.33												
20	15QAM	100	0	19.26	19.49	19.29												
20	15QAM	100	0	19.41	19.44	19.42												
20	15QAM	1	49	19.50	19.49	19.51	21	0										
20	15QAM	1	99	19.34	19.44	19.43												
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	19	2										
20	256QAM	1	0	17.61	17.47	17.82												
20	256QAM	1	49	17.43	17.62	17.62												
20	256QAM	1	99	17.30	17.56	17.58												
20	256QAM	50	0	17.42	17.54	17.46												
20	256QAM	50	24	17.59	17.72	17.55	19	2										
20	256QAM	50	50	17.55	17.63	17.48												
20	256QAM	100	0	17.46	17.62	17.49												
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	1	0	19.25	19.46	19.30												
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	19.26	19.24	19.26												
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	19.34	19.25												
10	15QAM	1	25	19.41	19.51	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												

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	20.70	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)				2577.5	2595	2612.5			
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	20.59			
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			
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			
15	64QAM	36	20	19.70	19.61	19.74	21	1	
15	64QAM	36	39	19.56	19.60	19.65			
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			
15	256QAM	36	0	17.82	17.74	17.70	19	3	
15	256QAM	36	20	17.96	17.59	17.80			
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	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	19.89	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			
10	256QAM	50	0	17.45	17.45	17.60			
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			

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				39750	40185	40620	41055	41490			
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	20.62	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				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			
15	QPSK	36	0	20.22	20.48	20.62	20.18	20.40			
15	QPSK	36	20	20.29	20.36	20.62	20.34	20.34	22	0	
15	QPSK	36	39	20.28	20.43	20.34	20.28	20.21			
15	QPSK	75	0	20.28	20.29	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	17.60	17.60	17.60	17.47	17.63			
15	256QAM	1	74	17.33	17.43	17.69	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	17.82	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				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	20.44	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	20.49	20.64			
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	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			
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				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	20.38	20.38	20.63	20.55	20.58	22.00	0	
5	QPSK	1	12	20.55	20.56	20.66	20.56	20.57			
5	QPSK	1	24	20.26	20.29	20.66	20.38	20.41			
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	19.66	19.66			
5	256QAM	25	0	19.28	19.59	19.47	19.30	19.57	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			
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			
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			
20	64QAM	1	49	21.85	21.91	21.91	23	2	
20	64QAM	1	99	21.77	21.78	21.78			
20	64QAM	50	0	21.24	21.31	21.21			
20	64QAM	50	24	21.35	21.39	21.34	22	3	
20	64QAM	50	50	21.19	21.26	21.21			
20	64QAM	100	0	21.29	21.31	21.33			
20	256QAM	1	0	19.13	19.21	19.21	20	5	
20	256QAM	1	49	19.23	19.26	19.17			
20	256QAM	1	99	19.03	19.12	19.13			
20	256QAM	50	0	19.22	19.31	19.24	20	5	
20	256QAM	50	24	19.27	19.35	19.28			
20	256QAM	50	50	19.18	19.19	19.15			
20	256QAM	100	0	19.24	19.28	19.29			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.81	23.81	23.64		25	
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			
15	64QAM	1	37	21.80	21.92	21.91	23	2	
15	64QAM	1	74	21.74	21.74	21.75			
15	64QAM	36	0	21.20	21.29	21.19			
15	64QAM	36	20	21.32	21.35	21.31	22	3	
15	64QAM	36	39	21.17	21.18	21.20			
15	64QAM	75	0	21.27	21.32	21.34			
15	256QAM	1	0	19.12	19.17	19.22	20	5	
15	256QAM	1	37	19.19	19.26	19.16			
15	256QAM	1	74	19.00	19.08	19.09			
15	256QAM	36	0	19.18	19.25	19.26	20	5	
15	256QAM	36	20	19.17	19.35	19.26			
15	256QAM	36	39	19.10	19.13	19.12			
15	256QAM	75	0	19.14	19.19	19.30			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.72	23.74	23.70		25	
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			
10	64QAM	1	25	21.83	21.82	21.93	23	2	
10	64QAM	1	49	21.70	21.71	21.79			
10	64QAM	25	0	21.22	21.31	21.15			
10	64QAM	25	12	21.34	21.32	21.27	22	3	
10	64QAM	25	25	21.09	21.22	21.12			
10	64QAM	50	0	21.26	21.33	21.33			
10	256QAM	1	0	19.08	19.13	19.17	20	5	
10	256QAM	1	25	19.22	19.24	19.08			
10	256QAM	1	49	19.02	19.12	19.04			
10	256QAM	25	0	19.15	19.23	19.15	20	5	
10	256QAM	25	12	19.19	19.26	19.24			
10	256QAM	25	25	19.17	19.10	19.05			
10	256QAM	50	0	19.20	19.28	19.27			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.72	23.77	23.71		25	
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			
5	64QAM	1	12	21.84	21.82	21.85	23	2	
5	64QAM	1	24	21.75	21.69	21.74			
5	64QAM	12	0	21.22	21.26	21.15			
5	64QAM	12	7	21.26	21.37	21.27	22	3	
5	64QAM	12	13	21.16	21.21	21.18			
5	64QAM	25	0	21.28	21.24	21.35			
5	256QAM	1	0	19.15	19.21	19.12	20	5	
5	256QAM	1	12	19.19	19.24	19.19			
5	256QAM	1	24	19.05	19.12	19.10			
5	256QAM	12	0	19.13	19.25	19.18	20	5	
5	256QAM	12	7	19.18	19.36	19.19			
5	256QAM	12	13	19.12	19.18	19.12			
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	21	3	
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	19	5	
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	21	3	
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	Tune-up limit (dBm)	MPR (dB)	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
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	23	1	
10	QPSK	25	0	21.34	21.46	21.41			
10	QPSK	25	12	21.39	21.41	21.30			
10	QPSK	25	25	21.36	21.37	21.33	23	1	
10	QPSK	50	0	21.39	21.35	21.34			
10	16QAM	1	0	21.25	21.19	21.12			
10	16QAM	1	25	21.21	21.20	21.19	22	2	
10	16QAM	1	49	21.19	21.20	21.18			
10	16QAM	25	0	20.33	20.30	20.24			
10	16QAM	25	12	20.41	20.34	20.25	21	3	
10	16QAM	25	25	20.21	20.27	20.27			
10	16QAM	50	0	20.27	20.35	20.31			
10	64QAM	1	0	20.05	20.03	20.11	22	2	
10	64QAM	1	25	20.13	20.22	20.08			
10	64QAM	1	49	20.06	20.15	20.08			
10	64QAM	25	0	19.27	19.36	19.23	19	5	
10	64QAM	25	12	19.27	19.39	19.38			
10	64QAM	25	25	19.22	19.27	19.19			
10	64QAM	50	0	19.19	19.32	19.24	19	5	
10	256QAM	1	0	17.10	17.17	17.20			
10	256QAM	1	25	17.21	17.25	17.23			
10	256QAM	1	49	17.14	17.24	17.17	19	5	
10	256QAM	25	0	17.32	17.40	17.26			
10	256QAM	25	12	17.29	17.35	17.32			
10	256QAM	25	25	17.16	17.20	17.14	Tune-up limit (dBm)	MPR (dB)	
10	256QAM	50	0	17.15	17.31	17.16			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.12	22.14	22.17	24	0	
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	19	5	
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			



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		DSI0&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		DSI0&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		DSI3							
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		DSI0&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		DSI3							
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	

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

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.	
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	24.61	24.62	24.61	
20	PI/2 BPSK	1	53	24.49	24.54	24.36	
20	PI/2 BPSK	1	104	24.40	24.56	24.53	
20	PI/2 BPSK	50	0	23.86	23.95	23.94	25.0
20	PI/2 BPSK	50	28	24.52	24.63	24.52	25.5
20	PI/2 BPSK	50	56	24.11	24.05	23.95	
20	PI/2 BPSK	100	0	23.90	24.07	24.02	25.0
20	QPSK	1	1	24.64	24.75	24.62	
20	QPSK	1	53	24.71	24.67	24.53	
20	QPSK	1	104	24.67	24.69	24.62	
20	QPSK	50	0	23.63	23.74	23.72	24.5
20	QPSK	50	28	24.67	24.69	24.62	25.5
20	QPSK	50	56	23.50	23.60	23.49	
20	QPSK	100	0	23.52	23.58	23.45	24.5
20	16QAM	1	1	23.41	23.46	23.34	24.5
20	64QAM	1	1	22.05	22.11	21.97	23.0
20	256QAM	1	1	20.31	20.35	20.24	21.0
Channel				166300	167300	168300	
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	24.58	24.68	24.62	25.5
Channel				165800	167300	168800	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	24.59	24.67	24.63	25.5
Channel				165300	167300	169300	
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.	
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	22.81	22.95	22.95	
50	PI/2 BPSK	1	135	22.74	22.76	22.83	
50	PI/2 BPSK	1	268	22.05	22.02	22.05	
50	PI/2 BPSK	135	0	22.51	22.52	22.48	24.0
50	PI/2 BPSK	135	68	22.70	22.92	22.79	24.5
50	PI/2 BPSK	135	135	22.06	22.14	22.07	
50	PI/2 BPSK	270	0	22.28	22.40	22.34	24.0
50	QPSK	1	1	22.98	23.00	22.87	
50	QPSK	1	135	22.67	22.81	22.77	
50	QPSK	1	268	22.01	22.10	22.05	
50	QPSK	135	0	21.96	22.07	22.07	23.5
50	QPSK	135	68	22.87	22.91	22.90	24.5
50	QPSK	135	135	21.69	21.71	21.69	
50	QPSK	270	0	21.80	21.86	21.84	23.5
50	16QAM	1	1	21.74	21.84	21.79	23.5
50	64QAM	1	1	20.29	20.31	20.30	22.0
50	256QAM	1	1	18.85	18.91	18.77	20.0
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	QPSK	1	1	22.94	22.96	22.80	24.5
Channel				503000	507000	511000	
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	22.95	22.91	22.82	24.5
Channel				502500	507000	511500	
Frequency (MHz)				2514.5	2535	2557.5	
25	QPSK	1	1	22.90	22.99	22.79	24.5
Channel				502000	507000	512000	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	1	22.98	23.00	22.79	24.5
Channel				501500	507000	512500	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	22.92	22.97	22.87	24.5
Channel				501000	507000	513000	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	22.90	22.95	22.80	24.5
Channel				500500	507000	513500	
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)				2595.01	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)				2592.52	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		Tune-up limit (dBm)	
Channel				164800	167300	168300			
Frequency (MHz)				823.5	836.5	846.5			
Channel				164300	167300	168300		Tune-up limit (dBm)	
Frequency (MHz)				820.5	836.5	846.5			
Channel				163800	167300	168300			
Frequency (MHz)				817.5	836.5	846.5			

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	2557.5			
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				499500	507000	514500		Tune-up limit (dBm)	
Frequency (MHz)				2492.5	2536	2572.5			
Channel				499000	507000	515000			
Frequency (MHz)				2490	2536	2575			

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	23.0	1.0
50	QPSK	135	0	21.58	21.70	21.61		
50	QPSK	135	68	22.56	22.57	22.52		
50	QPSK	135	135	21.52	21.62	21.55	23.0	1.0
50	QPSK	270	0	21.51	21.53	21.57		
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	MPR
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)
40	QPSK	1	1	22.51	22.55	22.54	24.0	0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	22.53	22.56	22.53	24.0	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	22.56	22.54	22.52	24.0	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	22.51	22.54	22.54	24.0	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	22.52	22.57	22.53	24.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	22.54	22.56	22.52	24.0	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	22.55	22.57	22.54	24.0	0.0

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				501204	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	2662.48			
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	2665	24.5 <td>0.0</td> <td></td>	0.0	
10	QPSK	1	1	23.12	23.09	23.03	24.5	0.0	

Part270 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				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	3972.15	(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				631334	633334	635334		
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	650000	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	19.69	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	19.65	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

Part270 n78 PC2 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		633334		
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		22.68			
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		21.98			
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		22.40	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		22.40	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

Part27Q 78 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		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		21.0	0.0
50	PI2 BPSK	135	68		20.11		21.0	0.0
50	PI2 BPSK	135	135		20.06		21.0	0.0
50	PI2 BPSK	270	0		20.09			
50	QPSK	1	1		20.08		21.0	0.0
50	QPSK	1	135		20.17			
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		19.85		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

Part27Q 78 PC2 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		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		24.0	0.0
50	QPSK	1	135		23.25			
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)	MPR (dB)
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

Par27O n77 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				643334	650000	663668		
Frequency (MHz)				3725.01	3840	3955.02		
50	PV2 BPSK	1	1	25.22	25.26	25.20	25.7	0.0
50	PV2 BPSK	1	135	25.39	25.51	25.49		
50	PV2 BPSK	1	268	25.23	25.34	25.26	25.2	0.5
50	PV2 BPSK	135	0	24.90	24.92	24.86		
50	PV2 BPSK	135	68	25.41	25.48	25.40	25.7	0.0
50	PV2 BPSK	135	135	24.79	24.82	24.73	25.2	0.5
50	PV2 BPSK	270	0	24.87	24.93	24.87	25.7	0.0
50	QPSK	1	1	25.24	25.31	25.21		
50	QPSK	1	135	25.53	25.55	25.47	25.7	0.0
50	QPSK	1	268	25.25	25.36	25.26		
50	QPSK	135	0	24.39	24.46	24.43	24.7	1.0
50	QPSK	135	68	25.39	25.49	25.43	25.7	0.0
50	QPSK	135	135	24.24	24.31	24.21	24.7	1.0
50	QPSK	270	0	24.34	24.37	24.28	24.7	1.0
50	16QAM	1	1	24.30	24.41	24.30		
50	64QAM	1	1	22.90	22.96	22.84	23.2	2.5
50	256QAM	1	1	20.81	20.88	20.86	21.2	4.5
Channel				640000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	25.21	25.20	25.14	25.7	0.0
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	25.23	25.27	25.09	25.7	0.0
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	25.21	25.22	25.11	25.7	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.12	25.29	25.09	25.7	0.0
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	25.18	25.25	25.12	25.7	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	25.15	25.28	25.14	25.7	0.0

Part27Q n77 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
50	PV2 BPSK	1	1	25.23			25.7	0.0
50	PV2 BPSK	1	135	25.45				
50	PV2 BPSK	1	268	25.19			25.2	0.5
50	PV2 BPSK	135	0	24.89				
50	PV2 BPSK	135	68	25.46			25.7	0.0
50	PV2 BPSK	135	135	24.85			25.2	0.5
50	PV2 BPSK	270	0	24.97			25.7	0.0
50	QPSK	1	1	25.26				
50	QPSK	1	135	25.47			24.7	1.0
50	QPSK	1	268	25.22				
50	QPSK	135	0	24.42			25.7	0.0
50	QPSK	135	68	25.41			24.7	1.0
50	QPSK	135	135	24.26			24.7	1.0
50	QPSK	270	0	24.35				
50	16QAM	1	1	24.31			24.7	1.0
50	64QAM	1	1	22.82			23.2	2.5
50	256QAM	1	1	20.96			21.2	4.5
Channel				631384	633334	635384	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.24	25.22	25.21	25.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.15	25.19	25.24	25.7	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	25.18	25.24	25.16	25.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.14	25.19	25.21	25.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	25.23	25.16	25.18	25.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	25.15	25.18	25.22	25.7	0.0

Part27O n78 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
50	PV2 BPSK	1	1		24.11		25.0	0.0
50	PV2 BPSK	1	135		24.26			
50	PV2 BPSK	1	268		24.13		25.0	0.0
50	PV2 BPSK	135	0		24.25			
50	PV2 BPSK	135	68		24.22		25.0	0.0
50	PV2 BPSK	135	135		24.19		25.0	0.0
50	PV2 BPSK	270	0		24.21		25.0	0.0
50	QPSK	1	1		24.20			
50	QPSK	1	135		24.35		25.0	0.0
50	QPSK	1	268		24.23			
50	QPSK	135	0		24.26		25.0	0.0
50	QPSK	135	68		24.33		25.0	0.0
50	QPSK	135	135		24.25		25.0	0.0
50	QPSK	270	0		24.28			
50	16QAM	1	1		24.19		25.0	0.0
50	64QAM	1	1		24.17		25.0	0.0
50	256QAM	1	1		22.82		23.5	1.5
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	24.10	24.18	24.12	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	24.08	24.14	24.12	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	24.13	24.13	24.09	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	24.08	24.14	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	24.11	24.14	25.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	24.13	24.10	24.15	25.0	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	23.78	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		0.0
50	PI/2 BPSK	135	68	23.68	23.80	23.68	24.5	0.5
50	PI/2 BPSK	135	135	23.04	23.14	23.04		24.0
50	PI/2 BPSK	270	0	23.15	23.33	23.21		
50	QPSK	1	1	23.78	23.85	23.81	25.0	0.0
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		1.0
50	QPSK	135	68	23.71	23.76	23.72	24.0	0.0
50	QPSK	135	135	22.64	22.86	22.68		24.0
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 (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.69	23.77	23.68	25.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.67	23.73	23.66	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	23.63	23.80	23.73	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	23.72	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	23.68	23.80	23.77	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.65	23.79	23.71	25.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
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 (msec)	MPT (dB)	
Channel									
Frequency (MHz)									
40	PWZ BPSK	1	1	23.53	23.64	23.55	25.5	0.0	
40	PWZ BPSK	1	104	23.52	23.59	23.68			
40	PWZ BPSK	1	214	23.54	23.56	23.51			
40	PWZ BPSK	104	0	23.51	23.62	23.53	25.5	0.5	
40	PWZ BPSK	104	54	23.52	23.63	23.55	25.5	0.0	
40	PWZ BPSK	104	104	23.28	23.38	23.20	25.0	0.5	
40	PWZ BPSK	214	0	23.54	23.61	23.60	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	19.88	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 (msec)	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	23.59	25.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	51460.0	51460.5	51460.6	Turn-up time (msec)	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.54	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 (msec)	MPT (dB)	
Channel									
Frequency (MHz)									
40	PWZ BPSK	1	1	23.58	23.72	23.62	25.5	0.0	
40	PWZ BPSK	1	135	23.58	24.07	24.00			
40	PWZ BPSK	1	268	23.62	23.69	23.56			
40	PWZ BPSK	135	0	23.48	23.49	23.54	25.5	0.5	
40	PWZ BPSK	135	66	23.48	23.57	23.79	25.5	0.0	
40	PWZ BPSK	135	135	23.24	23.30	23.29	25.0	0.5	
40	PWZ BPSK	270	0	23.57	23.67	23.56	25.5	0.0	
40	QPSK	1	1	23.57	23.70	23.68			
40	QPSK	1	135	23.57	24.03	24.04			
40	QPSK	1	268	23.58	23.68	23.61	24.5	1.0	
40	QPSK	135	0	22.84	22.90	22.80			
40	QPSK	135	66	23.94	24.05	23.99			
40	QPSK	135	135	22.78	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	22.88	22.76			
40	SSQAM	1	1	21.18	21.31	21.21			
40	SSQAM	1	1	19.42	19.54	19.30	21.0	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	51550.2	51550.5	51550.6	Turn-up time (msec)		MPT
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.62	23.71	23.58	25.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.54	23.67	23.62	25.5	0.0	
Channel									
Frequency (MHz)									
45	QPSK	1	1	51550.2	51550.5	51550.6	Turn-up time (msec)		MPT
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.59	23.73	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	23.04	23.18	23.07	24.0	0.0	
50	P1/2 BPSK	1	135	23.18	23.31	23.25			
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	0.5	
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	22.86	22.74	22.64	24.0	0.0	
50	QPSK	1	1	23.15	23.28	23.19			
50	QPSK	1	135	23.11	23.38	23.28			
50	QPSK	1	268	23.12	23.21	23.14	23.0	0.0	
50	QPSK	135	0	23.18	22.26	22.18			
50	QPSK	135	66	23.18	23.13	23.20			
50	QPSK	135	135	22.21	22.30	22.19	23.0	0.0	
50	QPSK	270	0	22.21	22.35	22.28	23.0	0.0	
50	25QAM	1	1	22.14	22.19	22.15	23.0	0.0	
50	25QAM	1	1	23.07	23.74	23.70	23.5	0.5	
50	25QAM	1	1	18.97	18.92	18.93	23.5	0.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.02	23.22	23.10	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.05	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	23.03	23.18	23.07	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.01	23.19	23.10	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.04	23.18	23.09	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		24.0	0.0	
50	P1/2 BPSK	1	135		23.18				
50	P1/2 BPSK	1	268		23.03				
50	P1/2 BPSK	135	0		22.94		23.5	0.5	
50	P1/2 BPSK	135	66		23.12		23.0	0.0	
50	P1/2 BPSK	135	135		22.59		23.5	0.5	
50	P1/2 BPSK	270	0		22.98		24.0	0.0	
50	QPSK	1	1		23.07				
50	QPSK	1	135		23.25				
50	QPSK	1	268		23.01		23.0	0.0	
50	QPSK	135	0		22.08				
50	QPSK	135	66		23.09				
50	QPSK	135	135		22.11		23.0	0.0	
50	QPSK	270	0		22.19		23.0	0.0	
50	16QAM	1	1		22.99		23.0	0.0	
50	16QAM	1	1		23.54		23.5	0.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1		23.08		23.05	24.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		23.05		23.07	24.0	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1		23.05		23.03	24.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		23.02		23.07	24.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1		23.03		23.04	24.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1		23.01		23.07	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		23.0	0.0		
50	P1/2 BPSK	1	135		22.01					
50	P1/2 BPSK	1	268		21.92					
50	P1/2 BPSK	135	0		22.38		23.0	0.0		
50	P1/2 BPSK	135	66		22.12		23.0	0.0		
50	P1/2 BPSK	135	135		22.60		23.0	0.0		
50	P1/2 BPSK	270	0		22.19		23.0	0.0		
50	QPSK	1	1		22.04					
50	QPSK	1	135		22.17					
50	QPSK	1	268		21.97		23.0	0.0		
50	QPSK	135	0		22.19					
50	QPSK	135	66		22.16					
50	QPSK	135	135		22.14		23.0	0.0		
50	QPSK	270	0		22.02		23.0	0.0		
50	25QAM	1	1		21.98		23.0	0.0		
50	25QAM	1	1		21.81		23.0	0.0		
50	25QAM	1	1		20.47		23.5	0.5		
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 (msec)	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			25.5	0.5	
50	QPSK	1	1	25.02					
50	QPSK	1	135	25.18					
50	QPSK	1	268	24.95			26.0	0.0	
50	QPSK	135	0	24.93			25.9	1.0	
50	QPSK	135	66	25.14			26.0	0.0	
50	QPSK	135	135	25.09			25.9	1.0	
50	QPSK	270	0	25.01			25.9	1.0	
50	16QAM	1	1	25.90			25.9	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 (msec)	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	0.0	
50	QPSK	135	0	24.95			23.0	1.0	
50	QPSK	135	66	25.05			23.0	0.0	
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			23.0	0.0	
50	256QAM	1	1	20.38			23.5	1.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.91	25.95	25.95	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.94	25.95	25.95	23.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.89	25.97	25.98	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	0	25.86	25.97	25.94	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	0	25.87	25.90	25.87	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	0	25.89	25.88	25.90	23.0	0.0	

Part27Q 78 PC2 Ant5 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power MidCh / Freq.	Power High Ch / Freq.	Take-up time (msec)	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	24.95			25.5	0.5	
50	QPSK	1	1	24.90					
50	QPSK	1	135	25.20					
50	QPSK	1	268	24.94			26.0	0.0	
50	QPSK	135	0	24.93			25.9	1.0	
50	QPSK	135	66	25.10			26.0	0.0	
50	QPSK	135	135	24.90			25.9	1.0	
50	QPSK	270	0	25.09			25.9	1.0	
50	16QAM	1	1	25.89			25.9	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	24.88	24.89	26.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.88	24.89	24.88	26.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.85	24.89	24.85	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	25.0	0.5	
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			
20	256QAM	1	1	20.37	20.39	20.25			
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				166800	167300	168300			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.97	24.11	24.08			

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	24.0	0.5		
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				
50	500000	1	1	18.92	18.94	18.83				
Channel				505000	507000	509000	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				
Frequency (MHz)				2515	2535	2555				
30	QPSK	1	1	22.82	22.89	22.87				
Channel				502500	507000	511500	24.5	0.0		
Frequency (MHz)				2512.5	2535	2557.5				
25	QPSK	1	1	22.74	22.88	22.97				
Channel				502000	507000	512000				
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)		MPR (dB)	
20	QPSK	1	1	22.80	22.92	22.94				
Channel				501500	507000	512500	24.5	0.0		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	1	22.78	22.89	22.96				
Channel				501000	507000	513000				
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)		MPR (dB)	
10	QPSK	1	1	22.80	23.00	22.96				

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	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	25.2	0.5	
20	PI/2 BPSK	25	26	23.72	23.81	23.77			
20	PI/2 BPSK	50	0	23.67	23.71	23.65			
20	QPSK	1	1	24.06	24.13	23.99	25.7	0.0	
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	24.7	1.0	
20	16QAM	1	1	22.90	22.93	22.81			
20	64QAM	1	1	21.41	21.51	21.39			
20	256QAM	1	1	19.69	19.77	19.69	21.2	4.5	
Channel				166800	167300	167800			
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	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	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	24.5	0.5	
50	PI/2 BPSK	64	69	22.92	22.95	22.91			
50	PI/2 BPSK	128	0	23.13	23.20	23.08			
50	QPSK	1	1	23.94	23.97	23.84	25.0	0.0	
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			
50	QPSK	64	69	22.45	22.56	22.44			
50	QPSK	128	0	22.62	22.73	22.61	24.0	1.0	
50	16QAM	1	1	22.66	22.71	22.67			
50	64QAM	1	1	21.14	21.23	21.16			
50	256QAM	1	1	19.66	19.80	19.68	20.5	4.5	
Channel				505000	507000	510000			
Frequency (MHz)				2520	2536	2550			
40	QPSK	1	1	23.91	23.83	23.73	25.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2536	2555			
30	QPSK	1	1	23.86	23.90	23.78	25.0	0.0	
Channel				502000	507000	511500			
Frequency (MHz)				2512.5	2536	2557.5			
25	QPSK	1	1	23.85	23.87	23.71	25.0	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2536	2560			
20	QPSK	1	1	23.84	23.88	23.73	25.0	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2536	2562.5			
15	QPSK	1	1	23.85	23.87	23.73	25.0	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2536	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			
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)				2692.52	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



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	25.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	23.03	23.09	23.01			
40	PI2 BPSK	1	53	23.14	23.21	23.15			
40	PI2 BPSK	1	104	23.02	23.06	23.05	24.5	0.5	
40	PI2 BPSK	50	0	22.66	22.68	22.65			
40	PI2 BPSK	50	28	23.13	23.18	23.14			
40	PI2 BPSK	50	56	22.70	22.69	22.68			
40	PI2 BPSK	100	0	22.71	22.72	22.70	25.0	0.0	
40	QPSK	1	1	23.06	23.02	23.01			
40	QPSK	1	53	23.14	23.25	23.19			
40	QPSK	1	104	23.02	23.04	23.05			
40	QPSK	50	0	22.19	22.24	22.16	24.0	1.0	
40	QPSK	50	28	23.17	23.25	23.18			
40	QPSK	50	56	22.18	22.14	22.23			
40	QPSK	100	0	22.18	22.21	22.13			
40	16QAM	1	1	22.08	22.11	22.02	24.0	1.0	
40	64QAM	1	1	20.95	20.62	20.53			
40	256QAM	1	1	18.71	18.73	18.66			
40	256QAM	1	1	20.95	20.62	20.53			
Channel				517002	519000	520998	20.5	4.5	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.09	23.01	23.02			
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2592.52	2595	2607.48			
25	QPSK	1	1	23.09	23.03	23.11			
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.10	23.03	23.06			
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.01	23.04	23.09			
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	23.03	23.02	23.06			

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				509002	518598	528000	24.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	23.04	23.05	23.03			
100	PI2 BPSK	1	137	23.16	23.25	23.19			
100	PI2 BPSK	1	271	23.02	23.09	23.04	24.0	0.5	
100	PI2 BPSK	135	0	22.67	22.70	22.66			
100	PI2 BPSK	135	69	23.19	23.24	23.16			
100	PI2 BPSK	135	138	22.64	22.68	22.67			
100	PI2 BPSK	270	0	22.68	22.71	22.66	24.5	0.0	
100	QPSK	1	1	23.03	23.09	23.05			
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			
100	16QAM	1	1	22.08	22.14	22.09	23.5	1.0	
100	64QAM	1	1	20.59	20.66	20.55			
100	256QAM	1	1	18.69	18.99	18.95			
100	256QAM	1	1	20.59	20.66	20.55			
Channel				508003	518598	527999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.99			
90	QPSK	1	1	23.06	23.02	23.07			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2648.99			
80	QPSK	1	1	23.07	23.01	23.11			
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.05	23.02	23.09		24.5	
Channel				505200	518598	531998			
Frequency (MHz)				2526	2592.99	2654.99			
60	QPSK	1	1	23.08	23.06	23.06			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2654.99			
50	QPSK	1	1	23.06	23.01	23.08		24.5	
Channel				503202	518598	533000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.02	23.08	23.04			
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.99			
30	QPSK	1	1	23.05	23.04	23.10		24.5	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.03	23.09	23.06		24.5	
Channel				500700	518598	536998			
Frequency (MHz)				2501.5	2592.99	2683.48			
15	QPSK	1	1	23.05	23.01	23.11			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.01	23.08	23.04			

Par270 n77 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				650000	650000	650000	24.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	22.29	22.40	22.27			
100	PI2 BPSK	1	137	22.84	22.96	22.88			
100	PI2 BPSK	1	271	22.16	22.27	22.18	23.5	0.5	
100	PI2 BPSK	135	0	22.35	22.46	22.39			
100	PI2 BPSK	135	69	22.79	22.84	22.81			
100	PI2 BPSK	135	138	22.28	22.35	22.26			
100	PI2 BPSK	270	0	22.33	22.39	22.29	24.0	0.0	
100	QPSK	1	1	22.36	22.46	22.41			
100	QPSK	1	137	22.86	22.95	22.92			
100	QPSK	1	271	22.23	22.34	22.22			
100	QPSK	135	0	21.73	21.84	21.77	23.0	1.0	
100	QPSK	135	69	22.76	22.91	22.88			
100	QPSK	135	138	21.75	21.79	21.68			
100	QPSK	270	0	21.81	21.85	21.80			
100	16QAM	1	1	21.57	21.55	21.41	23.0	1.0	
100	64QAM	1	1	20.15	20.26	20.13			
100	256QAM	1	1	18.78	18.83	18.70			
100	256QAM	1	1	20.15	20.26	20.13			
Channel				649500	650000	649334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	22.34	22.47	22.42			
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.02	3840	3940.02			
80	QPSK	1	1	22.35	22.51	22.33		24.0	
Channel				649000	650000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	22.31	22.49	22.47		24.0	
Channel				648668	650000	663334			
Frequency (MHz)				3730.24	3840	3950.01			
60	QPSK	1	1	22.33	22.47	22.43	24.0		
Channel				648334	650000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	22.36	22.50	22.37	24.0		
Channel				647900	650000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	22.35	22.48	22.44	24.0		
Channel				647668	650000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	22.37	22.43	22.42	24.0		
Channel				647500	650000	664500			
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	22.37	22.40	22.48	24.0		
Channel				647334	650000	664668			
Frequency (MHz)				3710.01	3840	3969.01			
20	QPSK	1	1	22.31	22.26	22.45	24.0		
Channel				647168	650000	664834			
Frequency (MHz)				3707.52	3840	3971.51			
15	QPSK	1	1	22.34	22.48	22.47	24.0		
Channel				647000	650000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	22.41	22.45	22.39	24.0		
Channel				646834	650000	665168			
Frequency (MHz)				3702.52	3840	3977.51			

Part27Q n77 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				63334					
Frequency (MHz)				3600.01					
100	PV2 BPSK	1	1		22.68				
100	PV2 BPSK	1	137		23.29		24.0	0.0	
100	PV2 BPSK	1	271		22.73				
100	PV2 BPSK	135	0		22.77		23.5	0.5	
100	PV2 BPSK	135	69		23.26		24.0	0.0	
100	PV2 BPSK	135	138		22.68		23.5	0.5	
100	PV2 BPSK	270	0		22.70				
100	QPSK	1	1		22.71				
100	QPSK	1	137		23.32		24.0	0.0	
100	QPSK	1	271		22.78				
100	QPSK	135	0		22.13		23.0	1.0	
100	QPSK	135	69		23.29		24.0	0.0	
100	QPSK	135	138		22.24		23.0	1.0	
100	QPSK	270	0		22.35				
100	16QAM	1	1		21.68		23.0	1.0	
100	64QAM	1	1		20.21		21.5	2.5	
100	256QAM	1	1		18.91		19.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3600.01	3605.02			
90	QPSK	1	1	22.59	22.59	22.63	24.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3600.01	3610			
80	QPSK	1	1	22.52	22.45	22.49	24.0	0.0	
Channel				632234	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3600.01	3615.01			
70	QPSK	1	1	22.62	22.53	22.54	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3600.01	3620.02			
60	QPSK	1	1	22.55	22.65	22.63	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3600.01	3625			
50	QPSK	1	1	22.65	22.61	22.62	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3600.01	3630.01			
40	QPSK	1	1	22.51	22.58	22.65	24.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3600.01	3635.02			
30	QPSK	1	1	22.64	22.65	22.63	24.0	0.0	
Channel				630634	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.51	3600.01	3637.51			
25	QPSK	1	1	22.54	22.62	22.54	24.0	0.0	
Channel				630368	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3600.01	3640			
20	QPSK	1	1	22.58	22.53	22.54	24.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3600.01	3642.52			
15	QPSK	1	1	22.57	22.59	22.59	24.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3600.01	3645.01			
10	QPSK	1	1	22.55	22.57	22.64	24.0	0.0	

Part27O n78 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				65000					
Frequency (MHz)				3750		3750			
100	PV2 BPSK	1	1		22.08				
100	PV2 BPSK	1	137		22.17		23.0	0.0	
100	PV2 BPSK	1	271		22.11				
100	PV2 BPSK	135	0		22.12		23.0	0.0	
100	PV2 BPSK	135	69		22.28		23.0	0.0	
100	PV2 BPSK	135	138		22.18		23.0	0.0	
100	PV2 BPSK	270	0		22.08				
100	QPSK	1	1		22.12				
100	QPSK	1	137		22.31		23.0	0.0	
100	QPSK	1	271		22.14				
100	QPSK	135	0		22.12		23.0	0.0	
100	QPSK	135	69		22.26		23.0	0.0	
100	QPSK	135	138		22.14		23.0	0.0	
100	QPSK	270	0		22.12				
100	16QAM	1	1		22.09		23.0	0.0	
100	64QAM	1	1		22.03		23.0	0.0	
100	256QAM	1	1		20.56		21.5	1.5	
Channel				648668	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	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	22.09	22.12	22.08	23.0	0.0	
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	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3760.01			
60	QPSK	1	1	22.01	22.11	22.16	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	22.08	22.06	22.08	23.0	0.0	
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	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	22.09	22.02	22.01	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	22.08	22.03	22.05	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	22.06	22.10	22.02	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	22.08	22.04	22.06	23.0	0.0	
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	0.0	

Part270 n78 PC2 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				650000		650000	650000		
Frequency (MHz)				3750		3750			
100	PV2 BPSK	1	1		25.03				
100	PV2 BPSK	1	137		25.28		26.0		0.0
100	PV2 BPSK	1	271		24.97				
100	PV2 BPSK	135	0		24.70		25.5		0.5
100	PV2 BPSK	135	69		25.24		26.0		0.0
100	PV2 BPSK	135	138		24.74		25.5		0.5
100	PV2 BPSK	270	0		25.06				
100	QPSK	1	1		25.06				
100	QPSK	1	137		25.31		26.0		0.0
100	QPSK	1	271		24.94				
100	QPSK	135	0		24.21		25.0		1.0
100	QPSK	135	69		25.27		26.0		0.0
100	QPSK	135	138		24.24		25.0		1.0
100	QPSK	270	0		25.20				
100	16QAM	1	1		23.92		25.0		1.0
100	64QAM	1	1		22.38		23.5		2.5
100	256QAM	1	1		21.32		21.5		4.5
Channel				648669		650000	650334		
Frequency (MHz)				3745.02		3750	3765.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	25.08	25.14	25.07	26.0	0.0	
Channel				674431		650000	650666		
Frequency (MHz)				3744.01		3750	3760.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	24.13	24.12	24.08	25.0	0.0	
Channel				648334		650000	651000		
Frequency (MHz)				3735		3750	3765	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	25.07	25.01	25.11	26.0	0.0	
Channel				648669		650000	651334		
Frequency (MHz)				3740.02		3750	3760.03	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	25.09	25.11	25.10	26.0	0.0	
Channel				648334		650000	651668		
Frequency (MHz)				3735.01		3750	3775.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	25.06	25.04	25.01	26.0	0.0	
Channel				648000		650000	652000		
Frequency (MHz)				3720		3750	3780	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	25.01	25.08	25.01	26.0	0.0	
Channel				647669		650000	652334		
Frequency (MHz)				3715.02		3750	3785.03	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	25.00	25.13	25.07	26.0	0.0	
Channel				647500		650000	652500		
Frequency (MHz)				3712.5		3750	3787.5	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	25.08	25.05	25.10	26.0	0.0	
Channel				647334		650000	652668		
Frequency (MHz)				3710.01		3750	3790.03	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	25.04	25.13	25.06	26.0	0.0	
Channel				647168		650000	652834		
Frequency (MHz)				3707.52		3750	3792.52	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	25.13	25.06	25.12	26.0	0.0	
Channel				647000		650000	653000		
Frequency (MHz)				3705		3750	3795	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	25.10	25.07	25.09	26.0	0.0	

Part27Q 78 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				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

Part27Q 78 PC2 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				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

Par270 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				65000	65000	65000			
Frequency (MHz)				3750	3840	3930			
100	Pi2 BPSK	1	1	20.70	20.84	20.84			
100	Pi2 BPSK	1	137	21.26	21.35	21.28	22.0	0.0	
100	Pi2 BPSK	1	271	20.63	20.76	20.65			
100	Pi2 BPSK	135	0	20.77	20.86	20.74	21.5	0.5	
100	Pi2 BPSK	135	69	21.18	21.29	21.24	22.0	0.0	
100	Pi2 BPSK	135	138	20.81	20.86	20.78	21.5	0.5	
100	Pi2 BPSK	270	0	20.77	20.86	20.83			
100	QPSK	1	1	20.85	20.87	20.74			
100	QPSK	1	137	21.26	21.36	21.32	22.0	0.0	
100	QPSK	1	271	20.70	20.79	20.67			
100	QPSK	135	0	20.21	20.25	20.15	21.0	1.0	
100	QPSK	135	69	21.20	21.30	21.27	22.0	0.0	
100	QPSK	135	138	20.11	20.16	20.06	21.0	1.0	
100	QPSK	270	0	20.09	20.19	20.15			
100	16QAM	1	1	19.82	19.91	19.78	21.0	1.0	
100	64QAM	1	1	18.52	18.56	18.46	19.5	2.5	
100	256QAM	1	1	17.03	17.11	16.98	17.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	20.74	20.72	20.61	22.0	0.0	
Channel				643234	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	20.05	20.66	20.59	22.0	0.0	
Channel				649000	650000	650300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3840	3945			
70	QPSK	1	1	20.53	20.66	20.61	22.0	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.69	20.71	20.55	22.0	0.0	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	20.61	20.76	20.62	22.0	0.0	
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	20.05	20.76	20.49	22.0	0.0	
Channel				647668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3721.02	3840	3965.03			
30	QPSK	1	1	20.73	20.71	20.62	22.0	0.0	
Channel				647500	650000	650500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	20.09	20.67	20.62	22.0	0.0	
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3718.01	3840	3970.02			
20	QPSK	1	1	20.67	20.66	20.54	22.0	0.0	
Channel				647168	650000	650834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	20.70	20.63	20.58	22.0	0.0	
Channel				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	20.71	20.64	20.62	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				633000	633334				
Frequency (MHz)					3500.01				
100	Pi2 BPSK	1	1		20.92				
100	Pi2 BPSK	1	137		21.40		22.0	0.0	
100	Pi2 BPSK	1	271		20.86				
100	Pi2 BPSK	135	0		20.84		21.5	0.5	
100	Pi2 BPSK	135	69		21.36		22.0	0.0	
100	Pi2 BPSK	135	138		20.88		21.5	0.5	
100	Pi2 BPSK	270	0		20.80				
100	QPSK	1	1		20.95				
100	QPSK	1	137		21.46		22.0	0.0	
100	QPSK	1	271		20.91				
100	QPSK	135	0		20.56		21.0	1.0	
100	QPSK	135	69		21.38		22.0	0.0	
100	QPSK	135	138		20.61		21.0	1.0	
100	QPSK	270	0		20.55				
100	16QAM	1	1		20.03		21.0	1.0	
100	64QAM	1	1		18.61		19.5	2.5	
100	256QAM	1	1		17.23		17.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	20.71	20.77	20.79	22.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	20.89	20.80	20.83	22.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	20.83	20.86	20.78	22.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	20.78	20.78	20.76	22.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	20.79	20.88	20.86	22.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	20.85	20.84	20.77	22.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3525.02			
30	QPSK	1	1	20.79	20.81	20.78	22.0	0.0	
Channel				630668	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	20.86	20.86	20.78	22.0	0.0	
Channel				630334	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	20.88	20.83	20.79	22.0	0.0	
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	20.78	20.88	20.77	22.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	20.80	20.81	20.88	22.0	0.0	

Part27O 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	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pi2 BPSK	1	1		19.47			21.0	0.0
100	Pi2 BPSK	1	137		20.01				
100	Pi2 BPSK	1	271		19.51				
100	Pi2 BPSK	135	0		19.96		21.0	0.0	
100	Pi2 BPSK	135	69		20.02		21.0	0.0	
100	Pi2 BPSK	135	138		19.90		21.0	0.0	
100	Pi2 BPSK	270	0		19.92			21.0	0.0
100	QPSK	1	1		19.48				
100	QPSK	1	137		20.06		21.0	0.0	
100	QPSK	1	271		19.50				
100	QPSK	135	0		19.88		21.0	0.0	
100	QPSK	135	69		20.03		21.0	0.0	
100	QPSK	135	138		19.86		21.0	0.0	
100	QPSK	270	0		19.88			21.0	0.0
100	16QAM	1	1		19.81		21.0	0.0	
100	64QAM	1	1		19.82		21.0	0.0	
100	256QAM	1	1		18.43		19.5	1.5	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3746.02	3750	3756.01			
90	QPSK	1	1	19.64	19.62	19.57	21.0	0.0	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	19.49	19.58	19.54	21.0	0.0	
Channel				647003	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	19.55	19.56	19.55	21.0	0.0	
Channel				646668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	19.56	19.61	19.56	21.0	0.0	
Channel				645334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	19.64	19.55	19.54	21.0	0.0	
Channel				644000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	19.51	19.56	19.60	21.0	0.0	
Channel				642668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	19.56	19.61	19.59	21.0	0.0	
Channel				641334	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.3	3750	3787.5			
25	QPSK	1	1	19.51	19.61	19.62	21.0	0.0	
Channel				640000	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	19.57	19.61	19.64	21.0	0.0	
Channel				638668	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	19.50	19.59	19.62	21.0	0.0	
Channel				637334	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	19.60	19.57	19.64	21.0	0.0	



Part270 n78 PC2 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit	MPR (dB)	
Channel				68000	68000	68000	24.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		22.43		24.0	0.0	
100	PI2 BPSK	1	137		22.96				
100	PI2 BPSK	1	271		22.48				
100	PI2 BPSK	135	0		22.35		24.0	0.5	
100	PI2 BPSK	135	69		22.93				
100	PI2 BPSK	135	138		22.42		23.5	0.5	
100	PI2 BPSK	270	0		22.43				
100	QPSK	1	1		22.47		24.0	0.0	
100	QPSK	1	137		22.00				
100	QPSK	1	271		22.52				
100	QPSK	135	0		21.91		23.0	1.0	
100	QPSK	135	69		22.97				
100	QPSK	135	138		21.89		23.0	1.0	
100	QPSK	270	0		21.88				
100	16QAM	1	1		21.46		23.0	1.0	
100	64QAM	1	1		19.94				
100	256QAM	1	1		18.51		19.5 4.5		
Channel				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.58	22.57	24.0	0.0	
Channel				64934	65000	65068			
Frequency (MHz)				3740.01	3750	3760.02	24.0	0.0	
80	QPSK	1	1		22.54	22.61		24.0	
Channel				64900	65000	65100			
Frequency (MHz)				3735	3750	3765	24.0	0.0	
70	QPSK	1	1		22.48	22.57		24.0	
Channel				64868	65000	65134			
Frequency (MHz)				3730.02	3750	3770.01	24.0	0.0	
60	QPSK	1	1		22.59	22.56		24.0	
Channel				64834	65000	65168			
Frequency (MHz)				3725.01	3750	3775.02	24.0	0.0	
50	QPSK	1	1		22.52	22.51		24.0	
Channel				64800	65000	65200			
Frequency (MHz)				3720	3750	3780	24.0	0.0	
40	QPSK	1	1		22.60	22.50		24.0	
Channel				64768	65000	65234			
Frequency (MHz)				3715.02	3750	3765.01	24.0	0.0	
30	QPSK	1	1		22.55	22.52		24.0	
Channel				64750	65000	65250			
Frequency (MHz)				3712.5	3750	3767.5	24.0	0.0	
25	QPSK	1	1		22.57	22.52		24.0	
Channel				64734	65000	65268			
Frequency (MHz)				3710.01	3750	3760.02	24.0	0.0	
20	QPSK	1	1		22.48	22.50		24.0	
Channel				64718	65000	65284			
Frequency (MHz)				3707.52	3750	3762.51	24.0	0.0	
15	QPSK	1	1		22.53	22.48		24.0	
Channel				64700	65000	65300			
Frequency (MHz)				3705	3750	3795	24.0	0.0	
10	QPSK	1	1		22.55	22.54		24.0	

Part27Q 78 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				63334			21.0	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	19.70			21.0	0.0	
100	PI2 BPSK	1	137	20.22					
100	PI2 BPSK	1	271	19.59					
100	PI2 BPSK	135	0	20.02			21.0	0.0	
100	PI2 BPSK	135	69	20.18					
100	PI2 BPSK	135	138	20.08			21.0	0.0	
100	PI2 BPSK	270	0	20.18					
100	QPSK	1	1	19.67			21.0	0.0	
100	QPSK	1	137	20.27					
100	QPSK	1	271	19.60					
100	QPSK	135	0	20.13			21.0	0.0	
100	QPSK	135	69	20.23					
100	QPSK	135	138	20.09			21.0	0.0	
100	QPSK	270	0	20.10					
100	16QAM	1	1	19.49			21.0	0.0	
100	64QAM	1	1	19.45					
100	256QAM	1	1	19.56			19.5 1.5		
Channel				633000	63334	63368	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	19.63	19.66	19.63	21.0	0.0	
Channel				63266	63334	63400			
Frequency (MHz)				3490.02	3500.01	3510	21.0	0.0	
80	QPSK	1	1	19.65	19.62	19.69		21.0	
Channel				63234	63334	63434			
Frequency (MHz)				3485.01	3500.01	3515.01	21.0	0.0	
70	QPSK	1	1	19.77	19.70	19.69		21.0	
Channel				63200	63334	63468			
Frequency (MHz)				3480	3500.01	3520.02	21.0	0.0	
60	QPSK	1	1	19.71	19.75	19.71		21.0	
Channel				63168	63334	63500			
Frequency (MHz)				3475.02	3500.01	3525	21.0	0.0	
50	QPSK	1	1	19.66	19.70	19.71		21.0	
Channel				63134	63334	63534			
Frequency (MHz)				3470.01	3500.01	3530.01	21.0	0.0	
40	QPSK	1	1	19.72	19.70	19.72		21.0	
Channel				63100	63334	63568			
Frequency (MHz)				3465	3500.01	3535.02	21.0	0.0	
30	QPSK	1	1	19.75	19.69	19.76		21.0	
Channel				63064	63334	63634			
Frequency (MHz)				3462.51	3500.01	3537.51	21.0	0.0	
25	QPSK	1	1	19.76	19.77	19.77		21.0	
Channel				63068	63334	63600			
Frequency (MHz)				3460.02	3500.01	3540	21.0	0.0	
20	QPSK	1	1	19.74	19.69	19.68		21.0	
Channel				63050	63334	63618			
Frequency (MHz)				3457.5	3500.01	3542.52	21.0	0.0	
15	QPSK	1	1	19.64	19.70	19.67		21.0	
Channel				63034	63334	63634			
Frequency (MHz)				3455.01	3500.01	3545.01	21.0	0.0	
10	QPSK	1	1	19.67	19.64	19.74		21.0	

Part27Q 78 PC2 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				63334			250.01		
Frequency (MHz)				22.72					
100	PI2 BPSK	1	1		22.72		24.0	0.0	
100	PI2 BPSK	1	137		23.24				
100	PI2 BPSK	1	271		22.69				
100	PI2 BPSK	135	0		22.67		23.5	0.5	
100	PI2 BPSK	135	69		23.32				
100	PI2 BPSK	135	138		22.66		23.5	0.5	
100	PI2 BPSK	270	0		22.72				
100	QPSK	1	1		22.73		24.0	0.0	
100	QPSK	1	137		23.36				
100	QPSK	1	271		22.68				
100	QPSK	135	0		22.12		23.0	1.0	
100	QPSK	135	69		22.28				
100	QPSK	135	138		22.28		23.0	1.0	
100	QPSK	270	0		22.16				
100	16QAM	1	1		21.35		23.0	1.0	
100	64QAM	1	1		19.88				
100	256QAM	1	1		18.61		19.5	4.5	
Channel				63330	63333	63368			
Frequency (MHz)				3495	3500.01	3506.02	Tune-up limit (dbm)	MPR (dB)	
90	QPSK	1	1	22.76	22.72	22.67	24.0	0.0	
Channel				63268	63334	63400	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dbm)	MPR (dB)	
80	QPSK	1	1	22.78	22.81	22.70	24.0	0.0	
Channel				63234	63333	63434	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dbm)	MPR (dB)	
70	QPSK	1	1	22.77	22.69	22.75	24.0	0.0	
Channel				63200	63334	63468	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dbm)	MPR (dB)	
60	QPSK	1	1	22.74	22.77	22.82	24.0	0.0	
Channel				63166	63333	63500	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dbm)	MPR (dB)	
50	QPSK	1	1	22.75	22.76	22.77	24.0	0.0	
Channel				63134	63334	63534	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dbm)	MPR (dB)	
40	QPSK	1	1	22.69	22.66	22.73	24.0	0.0	
Channel				63100	63223	63556	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3536.02	Tune-up limit (dbm)	MPR (dB)	
30	QPSK	1	1	22.80	22.70	22.80	24.0	0.0	
Channel				63084	63334	63584	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3465.51	3500.01	3537.51	Tune-up limit (dbm)	MPR (dB)	
25	QPSK	1	1	22.73	22.71	22.70	24.0	0.0	
Channel				63068	63333	63600	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dbm)	MPR (dB)	
20	QPSK	1	1	22.72	22.77	22.70	24.0	0.0	
Channel				63020	63334	636168	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dbm)	MPR (dB)	
15	QPSK	1	1	22.75	22.82	22.70	24.0	0.0	
Channel				63034	63334	63634	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dbm)	MPR (dB)	
10	QPSK	1	1	22.67	22.81	22.68	24.0	0.0	

Par270 n77 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	24.93	25.01	25.00		
100	PI2 BPSK	1	137	25.51	25.58	25.53	25.7	0.0
100	PI2 BPSK	1	271	24.62	24.74	24.67		
100	PI2 BPSK	135	0	24.91	24.98	24.87	25.2	0.5
100	PI2 BPSK	135	69	25.42	25.54	25.54	25.7	0.0
100	PI2 BPSK	135	138	24.69	24.82	24.76	25.2	0.5
100	PI2 BPSK	270	0	24.89	24.93	24.81		
100	QPSK	1	1	24.79	24.91	24.86		
100	QPSK	1	137	25.56	25.61	25.59	25.7	0.0
100	QPSK	1	271	24.69	24.74	24.66		
100	QPSK	135	0	24.39	24.46	24.32	24.7	1.0
100	QPSK	135	69	25.50	25.59	25.54	25.7	0.0
100	QPSK	135	138	24.25	24.31	24.26	24.7	1.0
100	QPSK	270	0	24.28	24.37	24.35		
100	16QAM	1	1	23.77	23.79	23.70	24.7	1.0
100	64QAM	1	1	22.27	22.32	22.22	23.2	2.5
100	256QAM	1	1	20.78	20.89	20.85	21.2	4.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	24.84	24.98	24.83	25.7	0.0
Channel								
Frequency (MHz)				649334	656000	662668	Tune-up limit (dBm)	MPR
80	QPSK	1	1	24.75	24.84	24.84	25.7	0.0
Channel								
Frequency (MHz)				649000	656000	663000	Tune-up limit (dBm)	MPR
70	QPSK	1	1	24.77	25.00	24.94	25.7	0.0
Channel								
Frequency (MHz)				648668	656000	663334	Tune-up limit (dBm)	MPR
60	QPSK	1	1	24.76	25.01	24.89	25.7	0.0
Channel								
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR
50	QPSK	1	1	24.84	24.99	24.89	25.7	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR
40	QPSK	1	1	24.80	24.88	24.88	25.7	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR
30	QPSK	1	1	24.79	25.00	24.89	25.7	0.0
Channel								
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR
25	QPSK	1	1	24.86	25.00	24.85	25.7	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR
20	QPSK	1	1	24.84	24.96	24.83	25.7	0.0
Channel								
Frequency (MHz)				646168	656000	664834	Tune-up limit (dBm)	MPR
15	QPSK	1	1	24.84	24.91	24.93	25.7	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR
10	QPSK	1	1	24.88	24.93	24.90	25.7	0.0

Part27Q n77 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		25.00			
100	PI2 BPSK	1	137		25.50		25.7	0.0
100	PI2 BPSK	1	271		24.65			
100	PI2 BPSK	135	0		24.89		25.2	0.5
100	PI2 BPSK	135	69		25.46		25.7	0.0
100	PI2 BPSK	135	138		24.85		25.2	0.5
100	PI2 BPSK	270	0		24.97			
100	QPSK	1	1		24.86			
100	QPSK	1	137		25.57		25.7	0.0
100	QPSK	1	271		24.72			
100	QPSK	135	0		24.42		24.7	1.0
100	QPSK	135	69		25.51		25.7	0.0
100	QPSK	135	138		24.36		24.7	1.0
100	QPSK	270	0		24.35			
100	16QAM	1	1		23.55		24.7	1.0
100	64QAM	1	1		22.22		23.2	2.5
100	256QAM	1	1		20.71		21.2	4.5
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR
90	QPSK	1	1	24.82	24.86	24.93	25.7	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR
80	QPSK	1	1	24.92	24.89	24.86	25.7	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR
70	QPSK	1	1	24.87	24.86	24.87	25.7	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR
60	QPSK	1	1	24.81	24.87	24.90	25.7	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR
50	QPSK	1	1	24.80	24.83	24.81	25.7	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR
40	QPSK	1	1	24.82	24.95	24.84	25.7	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR
30	QPSK	1	1	24.90	24.94	24.80	25.7	0.0
Channel								
Frequency (MHz)				630668	633334	635934	Tune-up limit (dBm)	MPR
25	QPSK	1	1	24.82	24.82	24.88	25.7	0.0
Channel								
Frequency (MHz)				630334	633334	636234	Tune-up limit (dBm)	MPR
20	QPSK	1	1	24.83	24.82	24.84	25.7	0.0
Channel								
Frequency (MHz)				630000	633334	636168	Tune-up limit (dBm)	MPR
15	QPSK	1	1	24.88	24.95	24.86	25.7	0.0
Channel								
Frequency (MHz)				629668	633334	636000	Tune-up limit (dBm)	MPR
10	QPSK	1	1	24.85	24.88	24.86	25.7	0.0

Part27O n78 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		23.91		25.0	0.0
100	PI2 BPSK	1	137		24.56			
100	PI2 BPSK	1	271		23.93			
100	PI2 BPSK	135	0		24.55		25.0	0.0
100	PI2 BPSK	135	69		24.52		25.0	0.0
100	PI2 BPSK	135	138		24.54		25.0	0.0
100	PI2 BPSK	270	0		24.58		25.0	0.0
100	QPSK	1	1		24.01		25.0	0.0
100	QPSK	1	137		24.65			
100	QPSK	1	271		24.03			
100	QPSK	135	0		24.53		25.0	0.0
100	QPSK	135	69		24.63		25.0	0.0
100	QPSK	135	138		24.55		25.0	0.0
100	QPSK	270	0		24.58		25.0	0.0
100	16QAM	1	1		23.98		25.0	0.0
100	64QAM	1	1		23.87		25.0	0.0
100	256QAM	1	1		22.82		23.5	1.5
Channel								
Frequency (MHz)				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	24.01	24.04	24.11	25.0	0.0
Channel								
Frequency (MHz)				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	23.96	24.08	23.99	25.0	0.0
Channel								
Frequency (MHz)				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	24.09	24.02	23.98	25.0	0.0
Channel								
Frequency (MHz)				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	23.97	24.09	24.11	25.0	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	24.09	24.07	24.10	25.0	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	24.00	23.96	23.97	25.0	0.0
Channel								
Frequency (MHz)				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	24.05	23.99	24.00	25.0	0.0
Channel								
Frequency (MHz)				647000	650000	652500	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	24.10	24.08	23.97	25.0	0.0
Channel								
Frequency (MHz)				646334	650000	652668	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.93	23.96	23.92	25.0	0.0
20	QPSK	1	1	23.99	23.96	24.00	25.0	0.0
Channel								
Frequency (MHz)				647668	650000	652834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	23.86	24.00	24.06	25.0	0.0
Channel								
Frequency (MHz)				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	24.07	24.08	23.97	25.0	0.0

Part270 n78 PC2 Ant4 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	3750	26.43	3750		
100	PV2 BPSK	1	137		27.54		28.0	0.0
100	PV2 BPSK	1	271		27.11			
100	PV2 BPSK	135	0		27.02		27.5	0.5
100	PV2 BPSK	135	69		27.47		28.0	0.0
100	PV2 BPSK	135	138		26.91		27.5	0.5
100	PV2 BPSK	270	0		26.83			
100	QPSK	1	1		26.66		28.0	0.0
100	QPSK	1	137		27.63			
100	QPSK	1	271		27.24			
100	QPSK	135	0		26.73		27.0	1.0
100	QPSK	135	69		27.58		28.0	0.0
100	QPSK	135	138		26.61		27.0	1.0
100	QPSK	270	0		26.55			
100	16QAM	1	1		26.52		27.0	1.0
100	64QAM	1	1		25.11		25.5	2.5
100	256QAM	1	1		23.07		23.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.69	26.68	26.64	28.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.63	23.67	23.66	28.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.69	26.70	26.75	28.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.64	26.66	26.73	28.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.72	26.66	26.72	28.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.75	26.64	26.67	28.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	27.13	27.02	27.03	28.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	26.68	26.67	26.69	28.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.73	26.74	26.71	28.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.66	26.69	26.66	28.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.70	26.67	26.74	28.0	0.0

Part27Q 78 Ant4 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1		3500.01			
100	PV2 BPSK	1	137		23.94		25.0	0.0
100	PV2 BPSK	1	271		24.52			
100	PV2 BPSK	135	0		24.02		25.0	0.0
100	PV2 BPSK	135	69		24.42		25.0	0.0
100	PV2 BPSK	135	138		24.51		25.0	0.0
100	PV2 BPSK	135	270		24.47		25.0	0.0
100	QPSK	1	1		23.98			
100	QPSK	1	137		24.05		25.0	0.0
100	QPSK	1	271		24.12			
100	QPSK	135	0		24.59		25.0	0.0
100	QPSK	135	69		24.63		25.0	0.0
100	QPSK	135	138		24.61		25.0	0.0
100	QPSK	270	0		24.54			
100	16QAM	1	1		23.92		25.0	0.0
100	64QAM	1	1		23.86		25.0	0.0
100	256QAM	1	1		22.83		23.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.86	23.98	23.94	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.93	23.87	23.86	25.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.89	23.92	23.87	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.95	23.94	23.91	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.91	23.97	23.87	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.87	23.89	23.95	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.85	23.90	23.90	25.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.90	23.89	23.94	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.88	23.92	23.90	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.85	23.96	23.87	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.95	23.91	23.92	25.0	0.0

Part27Q 78 PC2 Ant4 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1		3500.01			
100	PV2 BPSK	1	137		26.52		28.0	0.0
100	PV2 BPSK	1	271		27.19			
100	PV2 BPSK	135	0		26.67		27.5	0.5
100	PV2 BPSK	135	69		27.47		28.0	0.0
100	PV2 BPSK	135	138		26.88		27.5	0.5
100	PV2 BPSK	270	0		26.84			
100	QPSK	1	1		26.80			
100	QPSK	1	137		27.71		28.0	0.0
100	QPSK	1	271		27.31			
100	QPSK	135	0		26.23		27.0	1.0
100	QPSK	135	69		27.64		28.0	0.0
100	QPSK	135	138		26.40		27.0	1.0
100	QPSK	270	0		26.51			
100	16QAM	1	1		25.74		27.0	1.0
100	64QAM	1	1		24.32		25.5	2.5
100	256QAM	1	1		22.87		23.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.97	26.86	26.94	28.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.87	26.92	26.92	28.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.95	26.86	26.85	28.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.94	26.97	26.91	28.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.90	26.90	27.00	28.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.91	26.94	26.94	28.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.95	27.00	27.02	28.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	26.92	26.99	26.90	28.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.88	26.93	26.95	28.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.91	26.99	27.00	28.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.99	26.92	26.90	28.0	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		
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		

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								
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	522000	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

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								
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)								
				2521.02	2592.99	2664.99	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	518988	534896	Tune-up limit (dBm)	MPR (dB)
				2511	2592.99	2674.98		
30	QPSK	1	1	23.98	24.05	23.91	25.5	0.0
Channel								
Frequency (MHz)								
				2501.04	518988	535998	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)								
				2500.00	518988	535496	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)								
				2501.01	2592.99	2685	Tune-up limit (dBm)	MPR (dB)
				2501.01	24.04	23.94	25.5	0.0

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								
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	22.20	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								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.97	22.87	22.93	24.0	0.0
Channel								
Frequency (MHz)				649334	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)				649000	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)				649666	656000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	22.97	22.90	22.97	24.0	0.0
Channel								
Frequency (MHz)				649334	656000	663668	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	22.91	22.88	22.95	24.0	0.0
Channel								
Frequency (MHz)				649000	656000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	22.98	22.90	22.90	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	22.80	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	22.91	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				633334			24.0	0.0	
Frequency (MHz)				3500.02					
100	PV2 BPSK	1	1	22.96					
100	PV2 BPSK	1	137	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					
100	QPSK	1	1	23.01			24.0	0.0	
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	3500.01	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	3500.03	3526.02			
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	3500.01	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	3500.02	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				650000			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					
100	PV2 BPSK	135	0	22.17			23.0	0.0	
100	PV2 BPSK	135	69	22.21			23.0	0.0	
100	PV2 BPSK	135	138	22.11			23.0	0.0	
100	PV2 BPSK	270	0	22.12					
100	QPSK	1	1	21.66			23.0	0.0	
100	QPSK	1	137	22.24					
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	22.08			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				650000	3750	650000	26.0	0.0		
Frequency (MHz)				3750	3750					
100	PV2 BPSK	1	1	24.64						
100	PV2 BPSK	1	137	25.19						
100	PV2 BPSK	1	271	24.68						
100	PV2 BPSK	135	0	24.69		25.5	0.5			
100	PV2 BPSK	135	69	25.15		26.0	0.0			
100	PV2 BPSK	135	138	24.61		25.5	0.5			
100	PV2 BPSK	270	0	24.65		26.0				
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		25.0				1.0
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	3750	650334	26.0	MPR (dB)		
Frequency (MHz)				3745.02	3750.01					
90	QPSK	1	1	24.70	24.60	24.64	26.0	0.0		
Channel				648334	650000	650666	26.0	MPR (dB)		
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	26.0	MPR (dB)		
Frequency (MHz)				3735	3750	3765				
70	QPSK	1	1	24.83	24.59	24.68	26.0	0.0		
Channel				648668	650000	651334	26.0	MPR (dB)		
Frequency (MHz)				3730.02	3750	3770.01				
60	QPSK	1	1	24.68	24.60	24.59	26.0	0.0		
Channel				648334	650000	651666	26.0	MPR (dB)		
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	26.0	MPR (dB)		
Frequency (MHz)				3720	3750	3780				
40	QPSK	1	1	24.80	24.68	24.62	26.0	0.0		
Channel				647668	650000	652334	26.0	MPR (dB)		
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	26.0	MPR (dB)		
Frequency (MHz)				3712.5	3750	3787.5				
25	QPSK	1	1	24.67	24.65	24.63	26.0	0.0		
Channel				647234	650000	652800	26.0	MPR (dB)		
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	26.0	MPR (dB)		
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	26.0	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				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		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)				3486.01	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		26.0	1.0
100	16QAM	1	1		23.44		25.0	1.0
100	64QAM	1	1		22.03		23.5	2.5
100	256QAM	1	1		20.64		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	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)				3486.01	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	15.0	0.0	
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		15.0	0.0	
100	PI/2 BPSK	135	0		13.88				
100	PI/2 BPSK	135	69		14.05		15.0	0.0	
100	PI/2 BPSK	135	138		13.89				
100	PI/2 BPSK	270	0		13.97		15.0	0.0	
100	QPSK	1	1		13.78				
100	QPSK	1	137		14.10		15.0	0.0	
100	QPSK	1	271		13.96				
100	QPSK	135	0		13.95		15.0	0.0	
100	QPSK	135	69		14.03				
100	QPSK	135	138		13.81		15.0	0.0	
100	QPSK	270	0		13.89				
100	16QAM	1	1		13.87		15.0	0.0	
100	64QAM	1	1		13.94				
100	256QAM	1	1		14.08		15.0	0.0	
Channel				649668	650000	650334		MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		13.70	13.82	13.78	15.0	
Channel				649334	650000	650668	15.0	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		13.90	13.92	13.88	15.0	
Channel				649000	650000	651000	15.0	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		13.86	13.90	13.75	15.0	
Channel				648668	650000	651334	15.0	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		13.70	13.87	13.76	15.0	
Channel				648334	650000	651668	15.0	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		13.72	13.72	13.87	15.0	
Channel				648000	650000	652000	15.0	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		13.90	13.81	13.72	15.0	
Channel				647668	650000	652334	15.0	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		13.89	13.70	13.87	15.0	
Channel				647500	650000	652500	15.0	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		13.69	13.79	13.74	15.0	
Channel				647234	650000	652668	15.0	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		13.80	13.82	13.94	15.0	
Channel				647168	650000	652834	15.0	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		13.89	13.77	13.89	15.0	
Channel				647000	650000	653000	15.0	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		13.83	13.85	13.85	15.0	

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		15.0	0.0	
100	PI/2 BPSK	1	137		14.27				
100	PI/2 BPSK	1	271		14.23		15.0	0.0	
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				
100	PI/2 BPSK	270	0		14.29		15.0	0.0	
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		15.0	0.0	
100	QPSK	135	69		14.30				
100	QPSK	135	138		14.22		15.0	0.0	
100	QPSK	270	0		14.06				
100	16QAM	1	1		14.23		15.0	0.0	
100	64QAM	1	1		14.26			15.0	
100	256QAM	1	1		14.09				
Channel				633000	633334	633668	15.0	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		14.28	14.28	14.26	15.0	
Channel				632668	633334	634000	15.0	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510.01			
80	QPSK	1	1		14.19	14.17	14.24	15.0	
Channel				632334	633334	634334	15.0	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		14.15	14.30	14.14	15.0	
Channel				632000	633334	634668	15.0	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		14.11	14.20	14.12	15.0	
Channel				631668	633334	635000	15.0	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525.01			
50	QPSK	1	1		14.23	14.16	14.19	15.0	
Channel				631334	633334	635334	15.0	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		14.30	14.22	14.11	15.0	
Channel				631000	633334	635668	15.0	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		14.15	14.26	14.26	15.0	
Channel				630834	633334	635834	15.0	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		14.20	14.27	14.09	15.0	
Channel				630568	633334	636000	15.0	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540.01			
20	QPSK	1	1		14.21	14.10	14.12	15.0	
Channel				630500	633334	636168	15.0	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		14.22	14.26	14.22	15.0	
Channel				630334	633334	636334	15.0	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		14.20	14.22	14.13	15.0	



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			
20	PI/2 BPSK	1	26	24.54	24.56	24.42	25.0	0.5	
20	PI/2 BPSK	1	49	24.53	24.61	24.60			
20	PI/2 BPSK	25	0	23.91	24.02	24.01			
20	PI/2 BPSK	25	13	24.59	24.65	24.54	25.0	0.5	
20	PI/2 BPSK	25	26	24.12	24.12	24.01			
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			
20	QPSK	25	26	23.58	23.67	23.56			
20	QPSK	50	0	23.58	23.59	23.47	24.5	1.0	
20	16QAM	1	1	23.42	23.48	23.36			
20	64QAM	1	1	22.12	22.12	21.99			
20	256QAM	1	1	20.37	20.39	20.25	21.0	4.5	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0	
15	QPSK	1	1	23.93	24.04	24.01			
Channel				165800	167300	168800	25.5	0.0	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.97	24.11	24.08			

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	24.0	0.5	
50	PI/2 BPSK	1	131	22.56	22.57	22.58			
50	PI/2 BPSK	64	0	22.56	22.59	22.54			
50	PI/2 BPSK	64	35	22.77	22.92	22.86	24.0	0.5	
50	PI/2 BPSK	64	69	22.08	22.14	22.08			
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			
50	QPSK	64	69	21.71	21.74	21.69			
50	QPSK	128	0	21.80	21.90	21.89	23.5	1.0	
50	16QAM	1	1	21.81	21.87	21.80			
50	64QAM	1	1	20.34	20.36	20.33			
50	256QAM	1	1	18.92	18.94	18.83	20.0	4.5	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550	24.5	0.0	
40	QPSK	1	1	22.78	22.93	22.88			
Channel				503000	507000	511000	24.5	0.0	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.82	22.89	22.87			
Channel				502500	507000	511500	24.5	0.0	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.74	22.88	22.97			
Channel				502000	507000	512000	24.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	22.80	22.92	22.94			
Channel				501500	507000	512500	24.5	0.0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	22.78	22.89	22.96			
Channel				501000	507000	513000	24.5	0.0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.80	23.00	22.96			

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	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	MPR (dB)			
Frequency (MHz)				2582.52	2595	2607.48					
25	QPSK	1	1	22.61	22.54	22.51					
Channel				516000	519000	522000	24.5	MPR (dB)			
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	1	22.52	22.56	22.54					
Channel				515502	519000	522498	24.5	MPR (dB)			
Frequency (MHz)				2577.51	2595	2612.49					
15	QPSK	1	1	22.57	22.51	22.56					
Channel				515004	519000	522996	24.5	MPR (dB)			
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	24.5				
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	MPR	
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)	
30	QPSK	1	1	20.19	20.24	20.26	21.5	0.0	
Channel				516504	519000	521496	Tune-up limit	MPR	
Frequency (MHz)				2582.52	2595	2607.48	(dBm)	(dB)	
25	QPSK	1	1	20.26	20.38	20.26	21.5	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)	
20	QPSK	1	1	20.34	20.39	20.26	21.5	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	20.27	20.32	20.06	21.5	0.0	
Channel				515004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	20.16	20.37	20.21	21.5	0.0	

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	530000	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			
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			
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	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			
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	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			
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	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			
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	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			

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)				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 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			15.27			
100	PI/2 BPSK	1	137			15.42			
100	PI/2 BPSK	1	271			15.29	16.0	0.0	
100	PI/2 BPSK	135	0			15.42			
100	PI/2 BPSK	135	69			15.42			
100	PI/2 BPSK	135	138			15.22			
100	PI/2 BPSK	270	0			15.41	16.0	0.0	
100	QPSK	1	1			15.45			
100	QPSK	1	137			15.44			
100	QPSK	1	271			15.36			
100	QPSK	135	0			15.41	16.0	0.0	
100	QPSK	135	69			15.37			
100	QPSK	135	138			15.28			
100	QPSK	270	0			15.33	16.0	0.0	
100	16QAM	1	1			15.43			
100	64QAM	1	1			15.43			
100	256QAM	1	1			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			15.7	0.0	
Frequency (MHz)				3900.01					
100	PI/2 BPSK	1	1	15.50					
100	PI/2 BPSK	1	137	15.53			15.7	0.0	
100	PI/2 BPSK	1	271	15.52					
100	PI/2 BPSK	135	0	15.63					
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	15.49					
100	QPSK	1	1	15.56					
100	QPSK	1	137	15.65			15.7	0.0	
100	QPSK	1	271	15.64					
100	QPSK	135	0	15.54					
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				
100	PI/2 BPSK	1	271		16.59		17.0	0.0	
100	PI/2 BPSK	135	0		16.53				
100	PI/2 BPSK	135	69		16.61				
100	PI/2 BPSK	135	138		16.60				
100	PI/2 BPSK	270	0		16.51		17.0	0.0	
100	QPSK	1	1		16.43				
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				
100	QPSK	135	138		16.58				
100	QPSK	270	0		16.52				
100	16QAM	1	1		16.54		17.0	0.0	
100	64QAM	1	1		16.47				
100	256QAM	1	1		16.52				
Channel				648668	650000	650334	17.0	0.0	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		16.52	16.54		17.0	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		16.53	16.41	17.0	0.0	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		16.37	16.49	17.0	0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		16.47	16.36	17.0	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		16.45	16.39	17.0	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		16.54	16.35	17.0	0.0	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		16.57	16.39	17.0	0.0	
Channel				647500	650000	652500			
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		16.34	16.34	17.0	0.0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		16.37	16.37	17.0	0.0	
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		16.49	16.40	17.0	0.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		16.40	16.53	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				
100	PI/2 BPSK	1	271		16.68		17.0	0.0	
100	PI/2 BPSK	135	0		16.58				
100	PI/2 BPSK	135	69		16.63				
100	PI/2 BPSK	135	138		16.55				
100	PI/2 BPSK	270	0		16.70		17.0	0.0	
100	QPSK	1	1		16.56				
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				
100	QPSK	135	138		16.68				
100	QPSK	270	0		16.64				
100	16QAM	1	1		16.69		17.0	0.0	
100	64QAM	1	1		16.67				
100	256QAM	1	1		16.62				
Channel				633000	633334	633668	17.0	0.0	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		16.35	16.49	17.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		16.51	16.53	17.0	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		16.48	16.34	17.0	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		16.33	16.55	17.0	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		16.32	16.41	17.0	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		16.40	16.56	17.0	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		16.42	16.46	17.0	0.0	
Channel				630834	633334	635834			
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		16.35	16.55	17.0	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		16.36	16.37	17.0	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		16.34	16.37	17.0	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		16.38	16.35	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		
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		
50	Channel			508000	507000	510000		
Frequency (MHz)				2530	2535	2550	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	23.68	23.88	23.78	25.0	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.68	23.80	23.76		
Channel				502500	507000	511500	25.0	0.0
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.67	23.80	23.84		
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.72	23.82	23.77	25.0	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.75	23.86	23.79		
Channel				501000	507000	513000	25.0	0.0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.77	23.80	23.81		

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)				516004	515000	515996			
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	25.5	0.0	
40	QPSK	1	1	23.97	23.71	23.85			
40	QPSK	1	53	23.97	24.12	24.06			
40	QPSK	1	104	23.52	23.62	23.56	24.5	1.0	
40	QPSK	50	0	22.98	23.16	23.86			
40	QPSK	50	28	23.97	24.04	23.98	25.5	0.0	
40	QPSK	50	56	22.79	22.93	22.83	24.5	1.0	
40	QPSK	100	0	22.93	22.96	22.81	24.5	1.0	
40	16QAM	1	1	22.73	22.79	22.71			
40	64QAM	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				517002	516000	516998	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	0.0	
Channel				516904	516000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2692.52	2595	2607.48			
25	QPSK	1	1	23.71	23.78	23.72	25.5	0.0	
Channel				516000	516000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2680	2595	2610			
20	QPSK	1	1	23.74	23.85	23.74	25.5	0.0	
Channel				515902	516000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2677.51	2595	2612.49			
15	QPSK	1	1	23.69	23.88	23.75	25.5	0.0	
Channel				516004	516000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2675.02	2595	2614.98			
10	QPSK	1	1	23.66	23.80	23.82	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.	Tune-up limit (dBm)	MPR (dB)	
Channel				2549.02	2550.98	2550.00	25.5	0.0	
Frequency (MHz)				5248.01	2550.99	2540			
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	25.0	0.5	
100	PI/2 BPSK	270	0	23.37	23.47	23.34	25.5	0.0	
100	QPSK	1	1	23.54	23.62	23.57			
100	QPSK	1	137	24.10	24.17	24.07			
100	QPSK	1	271	23.53	23.56	23.62	24.5	1.0	
100	QPSK	135	0	22.92	23.05	22.92			
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	22.91	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	2.5	
100	256QAM	1	1	19.46	19.58	19.42	21.0	4.5	
Channel				505200	516598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2550.99	2544.98			
90	QPSK	1	1	23.92	24.03	23.87	25.5	0.0	
Channel				507204	516598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2550.99	2549.99			
80	QPSK	1	1	24.02	24.09	23.92	25.5	0.0	
Channel				505202	516598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2550.99	2495			
70	QPSK	1	1	23.96	24.02	23.90	25.5	0.0	
Channel				505200	516598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2550.99	2549.98			
60	QPSK	1	1	24.00	23.97	23.91	25.5	0.0	
Channel				504204	516598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2550.99	2464.99			
50	QPSK	1	1	23.97	24.09	23.88	25.5	0.0	
Channel				503202	516598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2550.99	2470			
40	QPSK	1	1	23.94	24.04	23.88	25.5	0.0	
Channel				502200	516598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2550.99	2374.99			
30	QPSK	1	1	23.99	24.05	23.91	25.5	0.0	
Channel				501204	516598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2550.99	2479.99			
20	QPSK	1	1	23.95	24.07	23.91	25.5	0.0	
Channel				500700	516598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2550.99	2469.48			
15	QPSK	1	1	23.93	23.99	23.93	25.5	0.0	
Channel				500202	516598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2550.99	2465			
10	QPSK	1	1	24.01	24.04	23.94	25.5	0.0	



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	23.5	0.5	
100	PI2 BPSK	1	271	22.84	22.79	22.68			
100	PI2 BPSK	135	0	22.81	22.81	22.82			
100	PI2 BPSK	135	69	23.16	23.31	23.16	24.0	0.0	
100	PI2 BPSK	135	138	22.62	22.74	22.68			
100	PI2 BPSK	270	0	22.56	22.77	22.71			
100	QPSK	1	1	22.80	22.91	22.86	24.0	0.0	
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			
100	QPSK	135	138	22.02	22.23	22.08			
100	QPSK	270	0	22.00	22.20	21.99	23.0	1.0	
100	16QAM	1	1	21.67	21.89	21.80			
100	64QAM	1	1	20.27	20.47	20.37			
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		23.5	0.5	
100	PI2 BPSK	1	271		23.02				
100	PI2 BPSK	135	0		22.94				
100	PI2 BPSK	135	69		23.41		23.5	0.5	
100	PI2 BPSK	135	138		22.88				
100	PI2 BPSK	270	0		22.87				
100	QPSK	1	1		23.01		24.0	0.0	
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				
100	QPSK	135	138		22.44				
100	QPSK	270	0		22.31		23.0	1.0	
100	16QAM	1	1		21.97				
100	64QAM	1	1		20.64				
100	256QAM	1	1		18.71		19.5	4.5	
Channel				632000	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	3500.02	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			
Frequency (MHz)									
100	PI2 BPSK	1	1		21.63		23.0	0.0	
100	PI2 BPSK	1	137		22.23				
100	PI2 BPSK	1	271		21.67				
100	PI2 BPSK	135	0		22.17		23.0	0.0	
100	PI2 BPSK	135	69		22.21		23.0	0.0	
100	PI2 BPSK	135	138		22.11		23.0	0.0	
100	PI2 BPSK	270	0		22.12				
100	QPSK	1	1		21.96				
100	QPSK	1	137		22.29		23.0	0.0	
100	QPSK	1	271		21.74		23.0	0.0	
100	QPSK	135	0		22.11				
100	QPSK	135	69		22.24				
100	QPSK	135	138		22.17		23.0	0.0	
100	QPSK	270	0		22.09		23.0	0.0	
100	16QAM	1	1		21.39				
100	64QAM	1	1		21.47				
100	256QAM	1	1		20.53		23.5	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				648334	650000	650668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	21.67	21.69	21.6	23.0	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	21.63	21.67	21.61	23.0	0.0	
Channel				648666	650000	651334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3732.02	3750	3767.01			
60	QPSK	1	1	21.69	21.72	21.60	23.0	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	21.70	21.67	21.64	23.0	0.0	
Channel				648900	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	21.72	23.0	0.0	
Channel				647500	650000	652500			
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			
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	21.73	21.63	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 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	3500.01	3510	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)				3488.01	3500.01	3518.01	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	3510.01	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	0.0	
50	QPSK	1	1	24.57	24.68	24.58	26.0	0.0	
Channel				631234	633334	634800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	26.0	0.0	
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	3535.02	26.0	0.0	
30	QPSK	1	1	24.67	24.67	24.58	26.0	0.0	
Channel				630834	633334	636334	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				630668	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				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	26.0	0.0	
15	QPSK	1	1	24.60	24.66	24.63	26.0	0.0	
Channel				630334	633334	636334	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	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	23.73	23.43			
20	QPSK	1	1	23.64	23.93	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		23.0	
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	23.88	23.66		24.5	

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	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	16.78	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	18.5	0.0	
50	16QAM	1	1	16.78	16.86	16.75			
50	64QAM	1	1	16.94	17.04	16.76			
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 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	531998			
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	536498			
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	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	24.7	1.0	
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	23.2	2.5	
20	256QAM	1	1	19.69	19.77	19.69	21.2	4.5	
Channel				166300	167300	168300	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	168800	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 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	21.0	0.0	
50	PI/2 BPSK	1	131	19.82	19.98	19.69			
50	PI/2 BPSK	64	0	19.74	19.96	19.80			
50	PI/2 BPSK	64	35	19.72	19.87	19.82	21.0	0.0	
50	PI/2 BPSK	64	69	19.79	19.96	19.61			
50	PI/2 BPSK	128	0	19.75	20.02	19.74			
50	QPSK	1	1	19.88	20.06	19.80	21.0	0.0	
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	20.0	1.0	
50	16QAM	1	1	19.80	20.04	19.79			
50	64QAM	1	1	19.69	19.87	19.68			
50	256QAM	1	1	19.38	19.62	19.40	20.5	0.5	
Channel				504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	QPSK	1	1	19.87	19.85	19.70	21.0	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	QPSK	1	1	19.69	19.86	19.68	21.0	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	QPSK	1	1	19.79	19.90	19.65	21.0	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	QPSK	1	1	19.66	20.06	19.80	21.0	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	19.88	20.03	19.70	21.0	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	19.87	20.02	19.82	21.0	0.0	

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	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		
40	QPSK	50	56	20.14	20.20	20.23		
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		
40	256QAM	1	1	19.80	19.86	19.75		
Channel				517002	519000	520998	21.5	0.0
Frequency (MHz)				2595.01	2595	2604.99		
30	QPSK	1	1	20.19	20.24	20.26		
Channel				516504	519000	521496	21.5	0.0
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	20.26	20.38	20.26		
Channel				516000	519000	522000	21.5	0.0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	20.34	20.39	20.26		
Channel				515502	519000	522498	21.5	0.0
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	20.27	20.32	20.06		
Channel				515004	519000	522996	21.5	0.0
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	20.16	20.37	20.21		

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	21.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.26	20.43	20.34		
100	PI/2 BPSK	1	137	20.52	20.35	20.25		
100	PI/2 BPSK	1	271	20.33	20.46	20.11	21.5	0.0
100	PI/2 BPSK	135	0	20.49	20.36	20.20		
100	PI/2 BPSK	135	69	20.45	20.46	20.46		
100	PI/2 BPSK	135	138	20.35	20.46	20.35		
100	PI/2 BPSK	270	0	20.47	20.51	20.25	21.5	0.0
100	QPSK	1	1	20.29	20.33	20.18		
100	QPSK	1	137	20.28	20.54	20.20		
100	QPSK	1	271	20.38	20.36	20.31		
100	QPSK	135	0	20.42	20.29	20.17	21.5	0.0
100	QPSK	135	69	20.40	20.45	20.15		
100	QPSK	135	138	20.20	20.43	20.25		
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		
100	256QAM	1	1	19.86	20.10	19.80		
Channel				508600	518598	528998	21.5	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.21	20.34	20.19		
Channel				507204	518598	529998	21.5	0.0
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.12	20.34	20.16		
Channel				506802	518598	531000	21.5	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.20	20.50	20.20		
Channel				505200	518598	531996	21.5	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.21	20.48	20.09		
Channel				504204	518598	532998	21.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.26	20.52	20.08		
Channel				503202	518598	534000	21.5	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.20	20.33	20.13		
Channel				502200	518598	534996	21.5	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.17	20.53	20.08		
Channel				501204	518598	535998	21.5	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.14	20.49	20.15		
Channel				500700	518598	536998	21.5	0.0
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	20.30	20.35	20.02		
Channel				500202	518598	537000	21.5	0.0
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	20.13	20.50	20.17		

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		

n38 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				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				500200	518598	536996	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	2685		
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	15.98	15.83			
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	17.0	0.0	
90	QPSK	1	1	15.53	15.95	15.92			
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	17.0	0.0	
80	QPSK	1	1	15.65	15.95	15.90			
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	17.0	0.0	
70	QPSK	1	1	15.68	15.90	15.99			
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	17.0	0.0	
60	QPSK	1	1	15.71	15.84	15.82			
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	17.0	0.0	
50	QPSK	1	1	15.70	16.01	15.93			
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	17.0	0.0	
40	QPSK	1	1	15.58	15.96	15.93			
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	17.0	0.0	
30	QPSK	1	1	15.61	15.81	15.80			
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	17.0	0.0	
25	QPSK	1	1	15.55	15.82	15.81			
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	17.0	0.0	
20	QPSK	1	1	15.59	16.01	15.90			
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	17.0	0.0	
15	QPSK	1	1	15.71	15.87	15.76			
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	17.0	0.0	
10	QPSK	1	1	15.66	15.94	15.84			

Part27Q 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						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	17.0	0.0	
100	QPSK	135	0			16.46			
100	QPSK	135	69			16.47			
100	QPSK	135	138			16.26	17.0	0.0	
100	QPSK	270	0			16.20			
100	16QAM	1	1			16.33			
100	64QAM	1	1			16.49	17.0	0.0	
100	256QAM	1	1			16.40			
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	16.43	16.37	16.44			
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	16.39	16.44	16.32			
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	16.30	16.45	16.38			
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	16.44	16.41	16.45			
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	16.45	16.45	16.40			
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	16.42	16.33	16.30			
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	16.30	16.41	16.36			
Channel				630634	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	16.0	0.0	
25	QPSK	1	1	16.39	16.43	16.41			
Channel				630368	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	16.0	0.0	
20	QPSK	1	1	16.45	16.32	16.43			
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	16.0	0.0	
15	QPSK	1	1	16.44	16.32	16.34			
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	16.40	16.42	16.43			

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				
100	PI/2 BPSK	1	137		16.25		17.0	0.0	
100	PI/2 BPSK	1	271		16.23				
100	PI/2 BPSK	135	0		16.25				
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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				
100	PI/2 BPSK	1	137		16.40		17.0	0.0	
100	PI/2 BPSK	1	271		16.44				
100	PI/2 BPSK	135	0		16.33				
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		17.0	0.0	
100	QPSK	1	1		16.45				
100	QPSK	1	137		16.46				
100	QPSK	1	271		16.27		17.0	0.0	
100	QPSK	135	0		16.41				
100	QPSK	135	69		16.43				
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	17.0	0.0	
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	
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			
100	PI/2 BPSK	135	69	19.48	19.38	19.51	19.7	0.0	
100	PI/2 BPSK	135	138	19.34	19.42	19.30	19.7	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			
100	QPSK	1	271	19.29	19.57	19.46	19.7	0.0	
100	QPSK	135	0	19.33	19.48	19.46			
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	19.7	0.0	
100	16QAM	1	1	19.43	19.45	19.36	19.7	0.0	
100	64QAM	1	1	19.35	19.57	19.35	19.7	0.0	
100	256QAM	1	1	19.27	19.49	19.32	19.7	0.0	
Channel				649668	650000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	19.40	19.51	19.52	19.7	0.0	
Channel				649334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	19.34	19.49	19.48	19.7	0.0	
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	19.30	19.59	19.39	19.7	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.36	19.45	19.54	19.7	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.40	19.45	19.31	19.7	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.27	19.43	19.34	19.7	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	19.49	19.57	19.51	19.7	0.0	
Channel				647500	650000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	19.43	19.57	19.45	19.7	0.0	
Channel				647234	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.48	19.40	19.30	19.7	0.0	
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	19.26	19.48	19.49	19.7	0.0	
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	19.47	19.60	19.38	19.7	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				
100	PI/2 BPSK	1	271		19.44				
100	PI/2 BPSK	135	0		19.56		19.7	0.0	
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		19.7	0.0	
100	QPSK	1	137		19.63				
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	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	19.35	19.22	19.29	19.7	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	19.21	19.43	19.19	19.7	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	19.37	19.42	19.35	19.7	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	19.37	19.38	19.37	19.7	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	19.40	19.42	19.23	19.7	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	19.32	19.39	19.22	19.7	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	19.38	19.38	19.25	19.7	0.0	
Channel				630834	633334	635834	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)	
25	QPSK	1	1	19.39	19.33	19.42	19.7	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	19.33	19.28	19.40	19.7	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1	19.42	19.19	19.27	19.7	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1	19.37	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		
50	PI/2 BPSK	128	0	17.57	17.89	17.83		
50	QPSK	1	1	17.72	18.06	17.90	19.0	0.0
50	QPSK	1	67	17.68	17.95	17.81		
50	QPSK	1	131	17.50	18.03	17.82		
50	QPSK	64	0	17.71	18.04	17.81	19.0	0.0
50	QPSK	64	35	17.52	18.05	17.71		
50	QPSK	64	69	17.62	17.98	17.80		
50	QPSK	128	0	17.62	17.84	17.69	19.0	0.0
50	16QAM	1	1	17.72	17.87	17.88		
50	64QAM	1	1	17.53	18.01	17.68		
50	256QAM	1	1	17.62	17.99	17.74	19.0	0.0
Channel				506000	507000	510000		
Frequency (MHz)				2530	2535	2550		
40	QPSK	1	1	17.59	17.99	17.69	19.0	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.54	17.96	17.74	19.0	0.0
Channel				502500	507000	511500		
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		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	17.63	18.01	17.72	19.0	0.0
Channel				501500	507000	512500		
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		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.72	18.07	17.71	19.0	0.0

n38 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				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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	18.0	0.0	
70	QPSK	1	1	17.29	17.51	17.42	18.0	0.0	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	18.0	0.0	
50	QPSK	1	1	17.20	17.30	17.39	18.0	0.0	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	18.0	0.0	
30	QPSK	1	1	17.35	17.51	17.37	18.0	0.0	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	18.0	0.0	
20	QPSK	1	1	17.37	17.40	17.29	18.0	0.0	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	18.0	0.0	
10	QPSK	1	1	17.26	17.47	17.29	18.0	0.0	
Channel				646834	650000	665168			
Frequency (MHz)				3702.51	3840	3977.51			
Channel				646668	650000	665334			
Frequency (MHz)				3700.02	3840	3979.02			

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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	18.0	0.0	
70	QPSK	1	1	17.12	17.28	17.22	18.0	0.0	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	18.0	0.0	
50	QPSK	1	1	17.16	17.26	17.14	18.0	0.0	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	18.0	0.0	
30	QPSK	1	1	17.16	17.17	17.21	18.0	0.0	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	18.0	0.0	
20	QPSK	1	1	17.14	17.22	17.27	18.0	0.0	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	18.0	0.0	
10	QPSK	1	1	17.19	17.29	17.12	18.0	0.0	
Channel				630168	633334	636500			
Frequency (MHz)				3452.51	3500.01	3547.51			
Channel				630000	633334	636668			
Frequency (MHz)				3450.02	3500.01	3549.02			

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)	MPR (dB)		
Frequency (MHz)				3740.01	3750	3760.02				
80	QPSK	1	1		18.13	18.07	18.14	19.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)		
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)	MPR (dB)		
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)	MPR (dB)		
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)	MPR (dB)		
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)	MPR (dB)		
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)	MPR (dB)		
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)	MPR (dB)		
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)	MPR (dB)		
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)	MPR (dB)		
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)	MPR (dB)		
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)	MPR (dB)		
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)	MPR (dB)		
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)	MPR (dB)		
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)	MPR (dB)		
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)	MPR (dB)		
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)	MPR (dB)		
Frequency (MHz)				3462.51	3500.01	3537.51				
25	QPSK	1	1		18.14	18.28	18.08	19.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)		
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)	MPR (dB)		
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)	MPR (dB)		
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	24.66	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	25.0	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			
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			
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			
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	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				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)				831.5	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		
40	QPSK	50	56	23.35	23.38	23.30		
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		
40	256QAM	1	1	19.93	19.97	19.98		
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		
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		
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		
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		
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		

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		
100	QPSK	135	138	23.13	23.18	23.06		
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		
100	256QAM	1	1	19.17	19.31	19.23		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		

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)				2582.52	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		(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	528096		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		(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		(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		(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		(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		(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)				650000	656000	662000			
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	656000	663334	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				22.06	22.03	22.04			
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80 QPSK				22.06	22.12	22.08		23.0	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70 QPSK				22.04	22.07	22.09		23.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60 QPSK				22.01	22.11	22.16		23.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50 QPSK				22.08	22.05	22.03		23.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40 QPSK				22.05	22.04	22.08		23.0	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30 QPSK				22.06	22.02	22.01		23.0	
Channel				647500	650000	652500			
Frequency (MHz)				3712.5	3750	3787.5			
25 QPSK				22.08	22.03	22.05		23.0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
20 QPSK				22.06	22.10	22.02		23.0	
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.51			
15 QPSK				22.08	22.04	22.01		23.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10 QPSK				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				22.18	22.17	22.21		23.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80 QPSK				22.21	22.22	22.15		23.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70 QPSK				22.18	22.19	22.14		23.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60 QPSK				22.15	22.18	22.15		23.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50 QPSK				22.16	22.15	22.14		23.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40 QPSK				22.15	22.14	22.20		23.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30 QPSK				22.17	22.16	22.21		23.0	
Channel				630634	633334	635934			
Frequency (MHz)				3462.51	3500.01	3537.51			
25 QPSK				22.21	22.16	22.17		23.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20 QPSK				22.14	22.21	22.18		23.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15 QPSK				22.17	22.15	22.20		23.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10 QPSK				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		Tune-up limit	
Channel				649000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	19.07	19.34	19.39		Tune-up limit	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.23	19.42	19.37		Tune-up limit	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.20	19.36	19.38		Tune-up limit	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.19	19.26	19.31		Tune-up limit	
Channel				647668	656000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	19.04	19.32	19.25		Tune-up limit	
Channel				647500	656000	664500			
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	19.20	19.37	19.38		Tune-up limit	
Channel				647234	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.11	19.33	19.29		Tune-up limit	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	19.20	19.36	19.35		Tune-up limit	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	19.24	19.33	19.41		Tune-up limit	
Channel				646768	656000	665334			
Frequency (MHz)				3702.52	3840	3977.51			

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		20.0	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			
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			
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			0.0	
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	21.0	0.0
50	PI/2 BPSK	1	67	19.89	19.89	19.81		
50	PI/2 BPSK	1	131	19.73	19.87	19.69		
50	PI/2 BPSK	64	0	19.86	19.83	19.69	21.0	0.0
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	21.0	0.0
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	21.0	0.0
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	21.0	0.0
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	21.0	0.0
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	21.0	0.0
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				500100	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			
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		0.0	
Channel				649000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	17.41	17.33	17.39		0.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	17.43	17.44	17.25		0.0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	17.45	17.42	17.44	18.0	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.24	17.34	17.24		0.0	
Channel				647668	656000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
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		0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	17.27	17.37	17.33	18.0	0.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	17.26	17.40	17.24		0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	17.26	17.30	17.45		18.0	

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		18.0	0.0	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		18.0	0.0	0.0	
100	QPSK	1	1	17.44					
100	QPSK	1	137	17.54					
100	QPSK	1	271	17.43		18.0	0.0	0.0	
100	QPSK	135	0	17.39					
100	QPSK	135	69	17.50					
100	QPSK	135	138	17.33					
100	QPSK	270	0	17.45		18.0	0.0	0.0	
100	16QAM	1	1	17.53					
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	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	17.41	17.46	17.47	18.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	17.28	17.47	17.46	18.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	17.29	17.43	17.50	18.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	17.43	17.43	17.38	18.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	17.44	17.28	17.42	18.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	17.37	17.47	17.48	18.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	17.45	17.34	17.49	18.0	0.0	
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	17.35	17.32	17.31	18.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	17.48	17.27	17.45	18.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	17.31	17.31	17.42	18.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	17.30	17.43	17.47	18.0	0.0	

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		20.0	0.0	
100	PI/2 BPSK	1	271		19.07				
100	PI/2 BPSK	135	0		19.13				
100	PI/2 BPSK	135	69		19.06		20.0	0.0	
100	PI/2 BPSK	135	138		19.23		20.0	0.0	
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		20.0	0.0	
100	QPSK	135	0		19.07				
100	QPSK	135	69		19.25				
100	QPSK	135	138		19.18		20.0	0.0	
100	QPSK	270	0		19.22				
100	16QAM	1	1		19.20		20.0	0.0	
100	64QAM	1	1		19.23		20.0	0.0	
100	256QAM	1	1		19.15		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		18.99	19.07	18.92	19.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		19.07	19.10	18.88	19.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		19.03	19.00	18.88	19.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		18.93	19.11	18.92	19.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		18.90	18.92	19.01	19.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		18.96	18.91	18.95	19.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		18.90	19.11	18.94	19.0	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	18.91	19.11	19.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		18.94	19.10	19.02	19.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		19.12	18.97	19.03	19.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		19.08	18.98	18.93	19.0	0.0

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		20.0	0.0	
100	PI/2 BPSK	1	271		19.21				
100	PI/2 BPSK	135	0		19.22		20.0	0.0	
100	PI/2 BPSK	135	69		19.39		20.0	0.0	
100	PI/2 BPSK	135	138		19.17		20.0	0.0	
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		20.0	0.0	
100	QPSK	135	0		19.26				
100	QPSK	135	69		19.31				
100	QPSK	135	138		19.22		20.0	0.0	
100	QPSK	270	0		19.25		20.0	0.0	
100	16QAM	1	1		19.35				
100	64QAM	1	1		19.39		20.0	0.0	
100	256QAM	1	1		19.40		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		19.21	19.21	19.36	19.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		19.22	19.24	19.30	19.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		19.36	19.32	19.32	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		19.16	19.32	19.27	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		19.23	19.15	19.33	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		19.33	19.21	19.34	19.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		19.34	19.30	19.31	19.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		19.26	19.32	19.15	19.0	0.0
Channel				630500	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		19.18	19.15	19.25	19.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		19.32	19.16	19.39	19.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		19.28	19.28	19.37	19.0	0.0

Reduced Power Mode for DSI 4_Main PA
DFT-30

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			
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			
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			
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			
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			

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	Tune-up limit (dBm)			MPR (dB)	
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	2640.99	Tune-up limit (dBm)			MPR (dB)	
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	Tune-up limit (dBm)			MPR (dB)	
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	Tune-up limit (dBm)			MPR (dB)	
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	Tune-up limit (dBm)			MPR (dB)	
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	Tune-up limit (dBm)			MPR (dB)	
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	Tune-up limit (dBm)			MPR (dB)	
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	2670.99	Tune-up limit (dBm)			MPR (dB)	
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	Tune-up limit (dBm)			MPR (dB)	
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	Tune-up limit (dBm)			MPR (dB)	
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	MPR
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)
30	QPSK	1	1	18.07	18.08	18.19	20.0	0.0
Channel				516504	519000	521496	Tune-up limit	MPR
Frequency (MHz)				2582.52	2595	2607.48	(dBm)	(dB)
25	QPSK	1	1	18.07	18.23	18.03	20.0	0.0
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	Tune-up limit	MPR
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)
15	QPSK	1	1	18.04	18.30	18.18	20.0	0.0
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 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	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	18.24	18.29	18.03	19.5	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	18.23	18.20	18.09	19.5	0.0
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	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	18.05	18.35	17.93	19.5	0.0
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	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	18.08	18.40	18.04	19.5	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	18.02	18.41	17.88	19.5	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	18.07	18.25	17.93	19.5	0.0
Channel				500200	518598	536496	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	18.15	18.34	17.86	19.5	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
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	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	14.65	15.04	14.84	16.0	0.0	
Channel				649334	656000	662668			
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	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	14.69	15.05	14.85	16.0	0.0	
Channel				648668	656000	663334			
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	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	14.64	14.99	14.79	16.0	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	14.75	15.07	14.75		16.0	
Channel				647668	656000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)	
30	QPSK	1	1	14.70	15.08	14.77	16.0	0.0	
Channel				647500	656000	664500			
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	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	14.69	14.95	14.89	16.0	0.0	
Channel				647168	656000	664834			
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	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	14.64	14.86	14.72	16.0	0.0	
Channel									
Frequency (MHz)									
Channel									

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

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)										
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	0.0		
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	
Channel				647500	656000	664500			
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	15.16	15.33	15.28	16.0	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.09	15.32	15.20		16.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	15.12	15.24	15.27	16.0	0.0	
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		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	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	15.22	15.39	15.17	16.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	15.36	15.39	15.38	16.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	15.30	15.15	15.35	16.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	15.17	15.29	15.18	16.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	15.30	15.35	15.35	16.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	15.20	15.16	15.30	16.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
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

Par270 n77 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	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	650000	649334	15.7	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	15.40	15.57	15.39			
Channel				649334	656000	662668	15.7	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.46	15.50	15.41		0.0	
Channel				648000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	15.46	15.50	15.47	15.7	0.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.49	15.50	15.42		0.0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	15.41	15.59	15.51	15.7	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.42	15.58	15.51	15.7	0.0	
Channel				647668	656000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	15.43	15.40	15.50	15.7	0.0	
Channel				647500	656000	664500			
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	15.46	15.44	15.36	15.7	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.40	15.42	15.42	15.7	0.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	15.36	15.57	15.51	15.7	0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	15.40	15.42	15.43		15.7	

Part27Q n77 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	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	15.7	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	15.45	15.47	15.64		15.7	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	15.49	15.47	15.63	15.7	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	15.51	15.56	15.52	15.7	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	15.65	15.62	15.55	15.7	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	15.64	15.56	15.60	15.7	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	15.49	15.51	15.66	15.7	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	15.57	15.56	15.48	15.7	0.0	
Channel				630834	633334	635834			
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	15.49	15.50	15.61	15.7	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	15.54	15.46	15.49	15.7	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	15.56	15.51	15.54	15.7	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	15.63	15.43	15.64		15.7	

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

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	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

n38 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				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	17.32	17.32			
Channel				649668	650000	649334	18.0	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.17	17.45	17.37		18.0	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.29	17.47	17.35	18.0	0.0	
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	0.0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	17.20	17.30	17.39	18.0	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.32	17.35	17.36	18.0	0.0	
Channel				647668	656000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	17.35	17.51	17.37	18.0	0.0	
Channel				647500	656000	664500			
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	17.35	17.41	17.44	18.0	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	17.37	17.40	17.29	18.0	0.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	17.20	17.42	17.24	18.0	0.0	
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	18.0	0.0	
100	QPSK	135	0			17.35			
100	QPSK	135	69			17.36			
100	QPSK	135	138			17.31			
100	QPSK	270	0			17.48	18.0	0.0	
100	16QAM	1	1			17.36			
100	64QAM	1	1			17.40			
100	256QAM	1	1			17.32			
Channel				633000	633334	633668	18.0	0.0	
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	0.0	
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	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	17.16	17.26	17.14	18.0	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	17.14	17.24	17.27	18.0	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	17.16	17.17	17.21	18.0	0.0	
Channel				630834	633334	635834			
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	17.15	17.15	17.24	18.0	0.0	
Channel				630568	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	17.14	17.22	17.27	18.0	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	17.16	17.15	17.13	18.0	0.0	
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		19.0	0.0	
100	PI/2 BPSK	1	271		18.12				
100	PI/2 BPSK	135	0		18.16				
100	PI/2 BPSK	135	69		18.28		19.0	0.0	
100	PI/2 BPSK	135	138		18.08		19.0	0.0	
100	PI/2 BPSK	270	0		18.28		19.0	0.0	
100	QPSK	1	1		18.08		19.0	0.0	
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		19.0	0.0	
100	QPSK	135	138		18.13		19.0	0.0	
100	QPSK	270	0		18.14		19.0	0.0	
100	16QAM	1	1		18.20		19.0	0.0	
100	64QAM	1	1		18.30		19.0	0.0	
100	256QAM	1	1		18.16		19.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	19.0	0.0	
90	QPSK	1	1		18.09	18.11	18.16	19.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	19.0	0.0	
80	QPSK	1	1		18.13	18.07	18.14	19.0	
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	19.0	0.0	
70	QPSK	1	1		18.14	17.98	18.01	19.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	19.0	0.0	
60	QPSK	1	1		18.07	18.07	18.14	19.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	19.0	0.0	
50	QPSK	1	1		18.12	18.08	18.16	19.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	19.0	0.0	
40	QPSK	1	1		18.04	18.02	18.16	19.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	19.0	0.0	
30	QPSK	1	1		17.99	18.04	18.05	19.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5	19.0	0.0	
25	QPSK	1	1		18.03	18.16	18.18	19.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	19.0	0.0	
20	QPSK	1	1		18.05	17.99	18.17	19.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	19.0	0.0	
15	QPSK	1	1		18.00	18.09	18.18	19.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	19.0	0.0	
10	QPSK	1	1		18.12	18.09	18.13	19.0	

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		19.0	0.0	
100	PI/2 BPSK	1	271		18.18				
100	PI/2 BPSK	135	0		18.06				
100	PI/2 BPSK	135	69		18.13		19.0	0.0	
100	PI/2 BPSK	135	138		18.24		19.0	0.0	
100	PI/2 BPSK	270	0		18.22		19.0	0.0	
100	QPSK	1	1		18.17		19.0	0.0	
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		19.0	0.0	
100	QPSK	135	138		18.12		19.0	0.0	
100	QPSK	270	0		18.25		19.0	0.0	
100	16QAM	1	1		18.08		19.0	0.0	
100	64QAM	1	1		18.06		19.0	0.0	
100	256QAM	1	1		18.05		19.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	19.0	0.0	
90	QPSK	1	1		18.07	18.09	18.08	19.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	19.0	0.0	
80	QPSK	1	1		18.20	18.16	18.24	19.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	19.0	0.0	
70	QPSK	1	1		18.12	18.27	18.09	19.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	19.0	0.0	
60	QPSK	1	1		18.21	18.14	18.10	19.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	19.0	0.0	
50	QPSK	1	1		18.17	18.25	18.29	19.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	19.0	0.0	
40	QPSK	1	1		18.08	18.27	18.14	19.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	19.0	0.0	
30	QPSK	1	1		18.20	18.16	18.08	19.0	
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51	19.0	0.0	
25	QPSK	1	1		18.14	18.28	18.08	19.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	19.0	0.0	
20	QPSK	1	1		18.06	18.29	18.06	19.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	19.0	0.0	
15	QPSK	1	1		18.21	18.16	18.08	19.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	19.0	0.0	
10	QPSK	1	1		18.28	18.26	18.08	19.0	

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			
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			
50	QPSK	1	1	22.06	22.18	22.04	23.5	0.0	
50	QPSK	1	67	22.04	22.13	22.13			
50	QPSK	1	131	22.00	22.01	22.00			
50	QPSK	64	0	21.03	21.13	21.04	22.5	1.0	
50	QPSK	64	35	22.08	22.18	22.08	23.5	0.0	
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 (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	22.04	22.07	21.95	23.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.05	22.13	21.96	23.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.05	22.10	21.99	23.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	21.97	22.12	21.98	23.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	21.99	22.16	21.99	23.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
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		
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	24.00	24.05	24.02	25.0	0.0
Channel				506000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.98	24.10	24.04	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	23.97	24.11	24.08	25.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	24.08	24.05	24.11	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	23.98	24.11	24.00	25.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
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		
Frequency (MHz)				2515	2535	2555	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.45	18.57	18.36		
Channel				502500	507000	511500		
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		
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.29	18.49	18.35		
Channel				501000	507000	513000		
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	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)				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
Channel				500500	507000	513500		
Frequency (MHz)				2500	2535	2570		

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		
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		
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		
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	22.5	0.0
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	21.0	1.5
50	256QAM	1	1	17.65	17.71	17.75	19.0	3.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	20.86	21.04	20.98		
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		
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.94	20.98	20.97	22.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	20.82	21.00	20.96		
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		
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.91	21.16	21.09	22.5	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	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)				2529	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	16.25		
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	99.31
		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		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	36	5180	16.06	17.00	16.06	17.00		12.00	93.68
		46	5230	16.10	17.00	16.10	17.00		12.00	
		36	5180	16.48	17.50	16.48	17.50		12.00	
		40	5200	16.48	17.50	16.48	17.50		12.00	
	802.11ac-VHT20 MCS0	44	5220	16.51	17.50	16.51	17.50		12.00	96.76
		48	5240	16.53	17.50	16.53	17.50		12.00	
		38	5190	16.17	17.00	16.17	17.00		12.00	
		46	5230	16.20	17.00	16.20	17.00		12.00	
	802.11ac-VHT40 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		12.00	
	802.11ax-HE20 MCS0	40	5200	16.56	17.50	16.56	17.50		12.00	95.85
		44	5220	16.58	17.50	16.58	17.50		12.00	
		48	5240	16.68	17.50	16.68	17.50		12.00	
		38	5190	16.39	17.00	16.39	17.00		12.00	
	802.11ax-HE40 MCS0	46	5230	16.33	17.00	16.33	17.00		12.00	92.56
		42	5210	16.08	17.00	16.08	17.00		12.00	
	802.11ax-HE80 MCS0									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	5260	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	5260	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	
	802.11ac-VHT20 MCS0	52	5260	18.38	19.50		18.00		12.00	96.76
		56	5280	18.51	19.50		18.00		12.00	
		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
	802.11ax-HE20 MCS0	52	5260	18.68	19.50		18.00		12.00	95.85
		56	5280	18.60	19.50		18.00		12.00	
		60	5300	18.56	19.50		18.00		12.00	
		64	5320	18.66	19.50		18.00		12.00	
	802.11ax-HE40 MCS0	54	5270	18.24	19.00		18.00		12.00	92.56
		62	5310	18.21	19.00		18.00		12.00	
	802.11ax-HE80 MCS0						18.00		12.00	86.09
		58	5290	18.21	19.00		18.00		12.00	

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	
	802.11ac-VHT20 MCS0	100	5500	18.00	19.50		17.00		11.00	96.76
		116	5580	17.90	19.50		17.00		11.00	
		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	
	802.11ac-VHT40 MCS0	102	5510	17.55	19.00		17.00		11.00	93.75
		110	5550	17.36	19.00		17.00		11.00	
		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	
	802.11ac-VHT80 MCS0	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	
	802.11ax-HE80 MCS0	106	5530	17.54	19.00		17.00		11.00	86.09
		122	5610	17.54	19.00		17.00		11.00	
		138	5690	17.67	19.00		17.00		11.00	

5.8GHz WLAN					Ant 1 Full power		Head Standalone		Head Simultaneous		Hotspot Simultaneous		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
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		
		149	5745	17.27	19.00		16.50		10.50		13.50		
	802.11ac-VHT20 MCS0	157	5785	17.38	19.00		16.50		10.50		13.50		96.76
		165	5825	17.41	19.00		16.50		10.50		13.50		
		151	5755	17.63	19.50		16.50		10.50		13.50		
	802.11ac-VHT40 MCS0	159	5795	17.57	19.50		16.50		10.50		13.50		93.75
		155	5775	18.01	19.50	14.74	16.50	8.93	10.50	11.68	13.50		
		149	5745	17.74	19.50		16.50		10.50		13.50		
	802.11ax-HE20 MCS0	157	5785	17.75	19.50		16.50		10.50		13.50		95.85
		165	5825	17.77	19.50		16.50		10.50		13.50		
		151	5755	17.71	19.50		16.50		10.50		13.50		
	802.11ax-HE40 MCS0	159	5795	17.74	19.50		16.50		10.50		13.50		92.56
		155	5775	17.92	19.50		16.50		10.50		13.50		
		155	5775	17.92	19.50		16.50		10.50		13.50		

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