

10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %

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 %
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	± 9.6 %
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	± 9.6 %

10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	± 9.6 %
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	± 9.6 %
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	± 9.6 %
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	± 9.6 %
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	± 9.6 %
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	± 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/Default Power for WWAN

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	524.2	536.4	548.8	524.2	536.4	548.8	524.2	536.4
Frequency (MHz)	524.2	536.4	548.8	524.2	536.4	548.8	524.2	536.4
GSM 1 Tx slot	32.76	32.50	32.88	34.00	33.76	33.50	33.88	25.00
GPRS 1 Tx slot	32.77	32.52	32.89	34.00	33.77	33.52	33.89	25.00
GPRS 2 Tx slot	32.76	32.45	32.83	34.00	26.76	26.45	26.83	25.00
EDGE 1 Tx slot	26.58	26.62	26.73	29.00	17.58	17.62	17.73	20.00
EDGE 2 Tx slot	26.50	26.57	26.72	29.00	20.50	20.57	20.72	23.00

GSM1900_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	601	810		512	601	810	
TX Channel	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
GSM 1 Tx slot	30.07	30.02	30.10	31.00	21.07	21.02	21.10	22.00
GPRS 1 Tx slot	30.05	30.00	30.08	31.00	21.05	21.00	21.08	22.00
GPRS 2 Tx slot	29.84	29.88	29.89	31.00	23.84	23.88	23.89	25.00
EDGE 1 Tx slot	25.23	25.49	25.64	28.00	16.23	16.49	16.64	19.00
EDGE 2 Tx slot	25.16	25.41	25.52	28.00	19.16	19.41	19.52	22.00

GSM1900_Ant 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	601	810		512	601	810	
TX Channel	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	1860
GSM 1 Tx slot	30.07	30.02	30.10	31.00	21.07	21.02	21.10	22.00
GPRS 1 Tx slot	30.05	30.00	30.08	31.00	21.05	21.00	21.08	22.00
GPRS 2 Tx slot	29.84	29.88	29.89	31.00	23.84	23.88	23.89	25.00
EDGE 1 Tx slot	25.23	25.49	25.64	28.00	16.23	16.49	16.64	19.00
EDGE 2 Tx slot	25.16	25.41	25.52	28.00	19.16	19.41	19.52	22.00

Band	WCDMA R_Ant 1			Tune-up Limit (dBm)	WCDMA R_Ant 2			Tune-up Limit (dBm)	
	9262	9400	9538		9262	9400	9538		
TX Channel	9662	9800	9938	9662	9800	9938	9662	9800	
Rx Channel	1852.4	1860	1907.6	1852.4	1860	1907.6	1852.4	1860	
Frequency (MHz)	1852.4	1860	1907.6	1852.4	1860	1907.6	1852.4	1860	
3GPP Rel 99	AMR 12.2Kbps	25.15	25.08	25.16	25.50	25.15	25.08	25.16	25.50
3GPP Rel 99	RMC 12.2Kbps	25.17	25.11	25.19	25.50	25.17	25.11	25.19	25.50
3GPP Rel 6	HSDPA Subtest-1	23.96	23.92	24.03	24.50	23.96	23.92	24.03	24.50
3GPP Rel 6	HSDPA Subtest-2	23.96	23.94	24.02	24.50	23.96	23.94	24.02	24.50
3GPP Rel 6	HSDPA Subtest-3	23.49	23.42	23.50	24.00	23.49	23.42	23.50	24.00
3GPP Rel 6	HSDPA Subtest-4	23.46	23.43	23.49	24.00	23.46	23.43	23.49	24.00
3GPP Rel 6	DC-HSDPA Subtest-1	23.86	23.84	23.96	24.50	23.86	23.84	23.96	24.50
3GPP Rel 6	DC-HSDPA Subtest-2	23.85	23.80	23.93	24.50	23.85	23.80	23.93	24.50
3GPP Rel 6	DC-HSDPA Subtest-3	23.37	23.35	23.43	24.00	23.37	23.35	23.43	24.00
3GPP Rel 6	DC-HSDPA Subtest-4	23.36	23.36	23.41	24.00	23.36	23.36	23.41	24.00
3GPP Rel 6	HSUPA Subtest-1	23.50	23.67	24.08	24.50	23.50	23.67	24.08	24.50
3GPP Rel 6	HSUPA Subtest-2	21.98	22.01	22.06	22.50	21.98	22.01	22.06	22.50
3GPP Rel 6	HSUPA Subtest-3	23.04	22.96	23.09	23.50	23.04	22.96	23.09	23.50
3GPP Rel 6	HSUPA Subtest-4	22.05	22.02	22.13	22.50	22.05	22.02	22.13	22.50
3GPP Rel 6	HSUPA Subtest-5	24.10	24.00	24.10	24.50	24.10	24.00	24.10	24.50

Band	WCDMA R_Ant 1				Tune-up Limit (dBm)	WCDMA R_Ant 2				Tune-up Limit (dBm)
	1312	1413	1513			1312	1413	1513		
TX Channel										
Rx Channel	1537	1638	1738			1537	1638	1738		
Frequency (MHz)	1712.4	1732.6	1752.6			1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	25.27	25.02	25.00	25.50	25.27	25.02	25.00	25.50	
3GPP Rel 99	RMC 12.2Kbps	25.30	25.04	25.02	25.50	25.30	25.04	25.02	25.50	
3GPP Rel 6	HSDPA Subtest-1	24.07	23.67	23.80	24.50	24.07	23.67	23.80	24.50	
3GPP Rel 6	HSDPA Subtest-2	24.04	23.66	23.78	24.50	24.04	23.66	23.78	24.50	
3GPP Rel 6	HSDPA Subtest-3	23.60	23.35	23.29	24.00	23.60	23.35	23.29	24.00	
3GPP Rel 6	HSDPA Subtest-4	23.56	23.33	23.30	24.00	23.56	23.33	23.30	24.00	
3GPP Rel 6	DC-HSDPA Subtest-1	23.93	23.76	23.71	24.50	23.93	23.76	23.71	24.50	
3GPP Rel 6	DC-HSDPA Subtest-2	23.91	23.79	23.67	24.50	23.91	23.79	23.67	24.50	
3GPP Rel 6	DC-HSDPA Subtest-3	23.51	23.23	23.14	24.00	23.51	23.23	23.14	24.00	
3GPP Rel 6	DC-HSDPA Subtest-4	23.48	23.25	23.15	24.00	23.48	23.25	23.15	24.00	
3GPP Rel 6	HSUPA Subtest-1	24.10	23.51	23.90	24.50	24.10	23.51	23.90	24.50	
3GPP Rel 6	HSUPA Subtest-2	22.14	21.93	21.84	22.50	22.14	21.93	21.84	22.50	
3GPP Rel 6	HSUPA Subtest-3	23.11	22.94	22.88	23.50	23.11	22.94	22.88	23.50	
3GPP Rel 6	HSUPA Subtest-4	22.14	21.92	21.90	22.50	22.14	21.92	21.90	22.50	
3GPP Rel 6	HSUPA Subtest-5	24.10	23.90	23.90	24.50	24.10	23.90	23.90	24.50	

Band	WCDMA V_Ant 0				Tune-up Limit (dBm)	WCDMA V_Ant 2				Tune-up Limit (dBm)
	TX Channel	4152	4162	4233		4152	4162	4233		
	Rx Channel	4357	4407	4458		4357	4407	4458		
	Frequency (MHz)	526.4	536.4	546.6		526.4	536.4	546.6		
3GPP Rel 99	AMR 12.2Kbps	24.79	24.75	24.81	25.50	24.79	24.75	24.81	25.50	
3GPP Rel 99	RMC 12.2Kbps	24.80	24.77	24.87	25.50	24.80	24.77	24.87	25.50	
3GPP Rel 6	HSDPA Subtest-1	23.73	23.70	23.77	24.50	23.73	23.70	23.77	24.50	
3GPP Rel 6	HSDPA Subtest-2	23.75	23.74	23.77	24.50	23.75	23.74	23.77	24.50	
3GPP Rel 6	HSDPA Subtest-3	23.27	23.24	23.25	24.00	23.27	23.24	23.25	24.00	
3GPP Rel 6	HSDPA Subtest-4	23.23	23.16	23.20	24.00	23.23	23.16	23.20	24.00	
3GPP Rel 6	DC-HSDPA Subtest-1	23.69	23.67	23.77	24.50	23.69	23.67	23.77	24.50	
3GPP Rel 6	DC-HSDPA Subtest-2	23.66	23.66	23.68	24.50	23.66	23.66	23.68	24.50	
3GPP Rel 6	DC-HSDPA Subtest-3	23.18	23.16	23.21	24.00	23.18	23.16	23.21	24.00	
3GPP Rel 6	DC-HSDPA Subtest-4	23.17	23.11	23.11	24.00	23.17	23.11	23.11	24.00	
3GPP Rel 6	HSUPA Subtest-1	23.74	23.71	23.78	24.50	23.74	23.71	23.78	24.50	
3GPP Rel 6	HSUPA Subtest-2	21.75	21.72	21.78	22.50	21.75	21.72	21.78	22.50	
3GPP Rel 6	HSUPA Subtest-3	22.75	22.71	22.83	23.50	22.75	22.71	22.83	23.50	
3GPP Rel 6	HSUPA Subtest-4	21.75	21.71	21.80	22.50	21.75	21.71	21.80	22.50	
3GPP Rel 6	HSUPA Subtest-5	23.70	23.70	23.80	24.50	23.70	23.70	23.80	24.50	



Band 2_Ant 1									
BW (MHz)	Modulation	RF Sub	RF Offset	Power Ch./F.Freq.	Power Ch./F.Freq.	Power Ch./F.Freq.	Turn-on time (sec)	APRS (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	5	24.48	24.37	24.38			
20	QPSK	1	40	24.48	24.37	24.38	20	0	
20	QPSK	1	50	24.38	24.36	24.31			
20	QPSK	50	5	23.47	23.37	23.48			
20	QPSK	50	24	23.47	23.37	23.48	25	1	
20	QPSK	50	50	23.47	23.41	23.33			
20	QPSK	100	0	23.49	23.42	23.50			
20	QPSK	100	50	23.77	23.67	23.78	25	1	
20	16QAM	1	40	23.83	23.82	23.85	25	1	
20	16QAM	1	50	23.88	23.81	23.83			
20	16QAM	50	0	22.48	22.49	22.50			
20	16QAM	50	24	22.54	22.45	22.58	24	2	
20	16QAM	50	50	22.48	22.41	22.57			
20	16QAM	100	0	22.52	22.49	22.56			
20	8QAM	1	0	22.89	22.84	22.81			
20	8QAM	1	40	22.76	22.65	22.80	24	2	
20	8QAM	1	50	22.56	22.54	22.72			
20	8QAM	50	0	21.46	21.39	21.51			
20	8QAM	50	24	21.53	21.45	21.59	23	3	
20	8QAM	50	50	21.47	21.41	21.58			
20	8QAM	100	0	21.51	21.42	21.55			
20	25QAM	1	0	19.81	19.76	19.78			
20	25QAM	1	40	19.83	19.80	19.72	21	5	
20	25QAM	1	50	19.88	19.71	19.93			
20	25QAM	50	0	19.87	19.86	19.87			
20	25QAM	50	24	19.87	19.87	19.88	21	5	
20	25QAM	50	50	19.90	19.73	19.98			
20	25QAM	100	0	19.87	19.87	19.88			
Channel									
Frequency (MHz)									
16	QPSK	1	5	18.873	18.860	18.933	Turn-on time (sec)	APRS (dB)	
16	QPSK	1	5	24.38	24.32	24.43			
16	QPSK	1	40	24.37	24.40	24.31	26	0	
16	QPSK	1	74	24.38	24.36	24.46			
16	QPSK	36	0	23.44	23.38	23.49			
16	QPSK	36	24	23.47	23.41	23.57	25	1	
16	QPSK	36	39	23.38	23.41	23.56			
16	QPSK	75	0	23.47	23.41	23.57			
16	16QAM	1	50	23.71	23.71	23.76	25	1	
16	16QAM	1	37	23.88	23.87	23.76			
16	16QAM	36	0	22.47	22.38	22.51			
16	16QAM	36	25	22.45	22.43	22.58	24	2	
16	16QAM	75	0	22.43	22.44	22.57			
16	8QAM	1	0	22.81	22.85	22.88	24	2	
16	8QAM	1	37	22.81	22.80	22.88			
16	8QAM	1	74	22.81	22.85	22.72			
16	8QAM	36	0	21.46	21.39	21.51	23	3	
16	8QAM	36	25	21.45	21.46	21.58			
16	8QAM	36	39	21.45	21.41	21.59			
16	8QAM	75	0	21.42	21.44	21.59			
16	25QAM	1	0	19.88	19.88	19.88			
16	25QAM	1	37	19.88	19.81	19.94	21	5	
16	25QAM	1	74	19.88	19.79	19.94			
16	25QAM	36	0	19.87	19.85	19.92			
16	25QAM	36	25	19.85	19.88	19.88	21	5	
16	25QAM	36	39	19.88	19.45	19.92			
16	25QAM	75	0	19.78	19.71	19.84			
Channel									
Frequency (MHz)									
16	QPSK	1	5	18.873	18.860	18.933	Turn-on time (sec)	APRS (dB)	
16	QPSK	1	5	24.38	24.32	24.43			
16	QPSK	1	40	24.37	24.40	24.31	26	0	
16	QPSK	1	74	24.38	24.36	24.46			
16	QPSK	36	0	23.44	23.38	23.49			
16	QPSK	36	24	23.47	23.41	23.57	25	1	
16	QPSK	36	39	23.38	23.41	23.56			
16	QPSK	75	0	23.47	23.41	23.57			
16	16QAM	1	50	23.71	23.71	23.76	25	1	
16	16QAM	1	37	23.88	23.87	23.76			
16	16QAM	36	0	22.47	22.38	22.51			
16	16QAM	36	25	22.45	22.43	22.58	24	2	
16	16QAM	75	0	22.43	22.44	22.57			
16	8QAM	1	0	22.81	22.85	22.88	24	2	
16	8QAM	1	37	22.81	22.80	22.88			
16	8QAM	1	74	22.81	22.85	22.72			
16	8QAM	36	0	21.46	21.39	21.51	23	3	
16	8QAM	36	25	21.45	21.46	21.58			
16	8QAM	36	39	21.45	21.41	21.59			
16	8QAM	75	0	21.42	21.44	21.59			
16	25QAM	1	0	19.88	19.88	19.88			
16	25QAM	1	37	19.88	19.81	19.94	21	5	
16	25QAM	1	74	19.88	19.79	19.94			
16	25QAM	36	0	19.87	19.85	19.92			
16	25QAM	36	25	19.85	19.88	19.88	21	5	
16	25QAM	36	39	19.88	19.45	19.92			
16	25QAM	75	0	19.78	19.71	19.84			
Channel									
Frequency (MHz)									
16	QPSK	1	5	18.873	18.860	18.933	Turn-on time (sec)	APRS (dB)	
16	QPSK	1	5	24.38	24.32	24.43			
16	QPSK	1	40	24.37	24.40	24.31	26	0	
16	QPSK	1	74	24.38	24.36	24.46			
16	QPSK	36	0	23.44	23.38	23.49			
16	QPSK	36	24	23.47	23.41	23.57	25	1	
16	QPSK	36	39	23.38	23.41	23.56			
16	QPSK	75	0	23.47	23.41	23.57			
16	16QAM	1	50	23.71	23.71	23.76	25	1	
16	16QAM	1	37	23.88	23.87	23.76			
16	16QAM	36	0	22.47	22.38	22.51			
16	16QAM	36	25	22.45	22.43	22.58	24	2	
16	16QAM	75	0	22.43	22.44	22.57			
16	8QAM	1	0	22.81	22.85	22.88	24	2	
16	8QAM	1	37	22.81	22.80	22.88			
16	8QAM	1	74	22.81	22.85	22.72			
16	8QAM	36	0	21.46	21.39	21.51	23	3	
16	8QAM	36	25	21.45	21.46	21.58			
16	8QAM	36	39	21.45	21.41	21.59			
16	8QAM	75	0	21.42	21.44	21.59			
16	25QAM	1	0	19.88	19.88	19.88			
16	25QAM	1	37	19.88	19.81	19.94	21	5	
16	25QAM	1	74	19.88	19.79	19.94			
16	25QAM	36	0	19.87	19.85	19.92			
16	25QAM	36	25	19.85	19.88	19.88	21	5	
16	25QAM	36	39	19.88	19.45	19.92			
16	25QAM	75	0	19.78	19.71	19.84			

Band 2_Ant 2									
BW (MHz)	Modulation	RF Sub	RF Offset	Power Ch./F.Freq.	Power Ch./F.Freq.	Power Ch./F.Freq.	Turn-on time (sec)	APRS (dB)	
Channel									
Frequency (MHz)									
26	QPSK	1	5	24.46	24.37	24.39			
26	QPSK	1	40	24.38	24.36	24.31	26	0	
26	QPSK	50	0	24.37	23.37	23.48			
26	QPSK	50	24	23.47	23.41	23.53	25	1	
26	QPSK	50	50	23.49	23.42	23.50			
26	QPSK	100	0	23.49	23.42	23.50			
26	QPSK	100	50	23.77	23.67	23.78	25	1	
26	16QAM	1	40	23.83	23.82	23.85	25	1	
26	16QAM	1	50	23.88	23.81	23.83			
26	16QAM	50	0	22.48	22.49	22.50			
26	16QAM	50	24	22.54	22.45	22.58	24	2	
26	16QAM	50	50	22.48	22.41	22.57			
26	16QAM	100	0	22.52	22.49	22.56			
26	8QAM	1	0	22.89	22.84	22.81			
26	8QAM	1	40	22.76	22.65	22.80	24	2	
26	8QAM	1	50	22.56	22.54	22.72			
26	8QAM	50	0	21.46	21.39	21.51			
26	8QAM	50	24	21.53	21.45	21.59	23	3	
26	8QAM	50	50	21.47	21.41	21.58			
26	8QAM	100	0	21.51	21.42	21.55			
26	25QAM	1	0	19.81	19.76	19.78			
26	25QAM	1	40	19.83	19.80	19.72	21	5	
26	25QAM	1	50	19.88	19.71	19.93			
26	25QAM	50	0	19.87	19.86	19.87			
26	25QAM	50	24	19.87	19.87	19.88	21	5	
26	25QAM	50	50	19.90	19.73	19.98			
26	25QAM	100	0	19.87	19.87	19.88			
Channel									
Frequency (MHz)									
16	QPSK	1	5	18.873	18.860	18.933	Turn-on time (sec)	APRS (dB)	
16	QPSK	1	5	24.38	24.32	24.43			
16	QPSK	1	40	24.37	24.40	24.31	26	0	
16	QPSK	1	74	24.38	24.36	24.46			
16	QPSK	36	0	23.44	23.38	23.49			
16	QPSK	36	36	23.38	23.41	23.50	25	1	
16	QPSK	75	0	23.41	23.41	23.57			
16	QPSK	11	0	23.41	23.41	23.57			
16	16QAM	1	37	23.68	23.67	23.76	25	1	
16	16QAM	1	74	23.68	23.62	23.69			
16	16QAM	36	0	22.38	22.38	22.50			
16	16QAM	36	20	22.45	22.43	22.58	24	2	
16	16QAM	75	0	22.42	22.43	22.58			
16	16QAM	11	0	22.42	22.44	22.58			
16	8QAM	1	0	22.61	22.60	22.68			
16	8QAM	1	37	22.61	22.58	22.80	24	2	
16	8QAM	1	74	22.61	22.58	22.80			
16	8QAM	36	0	21.48	21.38	21.51			
16	8QAM	36	20	21.44	21.44	21.58	23	3	
16	8QAM	75	0	21.44	21.44	21.58			
16	8QAM	11	0	21.42	21.41	21.53			
16	25QAM	1	37	19.78	19.78	19.91	21	5	
16	25QAM	1	74	19.85	19.70	19.94			
16	25QAM	36	0	19.80	19.80	19.93	21	5	
16	25QAM	36	20	19.82	19.82	19.93			
16	25QAM	75	0	19.84	19.45	19.92			
16	25QAM	11	0	19.78	19.78	19.93			
Channel									
Frequency (MHz)									
5	QPSK	1	5	24.36	24.36	24.45	Turn-on time (sec)	APRS (dB)	
5	QPSK	1	5	24.36	24.36	24.45			
5	QPSK	1	40	24.27	24.27	24.45	26	0	
5	QPSK	1	40	24.27	24.27	24.45			
5	QPSK	25	12	23.45	23.45	23.52			
5	QPSK	25	25	23.37	23.37	23.52			
5	QPSK	25	0	23.37	23.37	23.52			
5	16QAM	1	5	23.79	23.62	23.80			
5	16QAM	1	25	23.68	23.70	23.87	25	1	
5	16QAM	1	40	23.68	23.68	23.87			
5	16QAM	25	0	22.42	22.42	22.58			
5	16QAM	25	12	22.48	22.42	22.58			
5	16QAM	25	25	22.42	22.38	22.58			
5	16QAM	50	0	22.41	22.39	22.58			
5	16QAM	1	0	22.57	22.56	22.71			
5	16QAM	1	40	22.57	22.57	22.71	24	2	
5	16QAM	1	40	22.57	22.56	22.71			
5	16QAM	25	0	21.38	21.38	21.53			
5	16QAM	25	12	21.44	21.44	21.53	23	3	
5	16QAM	50	0	21.42	21.38	21.53			
5	16QAM	1	25	21.42	21.38	21.53			
5	16QAM	1	25	21.42	21.38	21.53			
5	16QAM	25	0	19.48	19.70	19.82			
5	16QAM	25	0	19.48	19.70	19.82			
5	16QAM	25	0	19.48	19.70	19.82			
5	16QAM	25	12	19.55	19.88	19.92	21	5	
5	16QAM	25	12	19.55	19.88	19.92			
5	16QAM	25	12	19.55	19.88	19.92			
Channel									
Frequency (MHz)									
3	QPSK	1	5	24.28	24.28	24.34	Turn-on time (sec)	APRS (dB)	
3	QPSK	1	5	24.28	24.28	24.34			
3	QPSK	1	12	24.34	24.34	24.52	26	0	
3	QPSK	1	24	24.28	24.28	24.52			
3	QPSK	12	0	23.32	23.32	23.40			
3	QPSK	12	7	23.38	23.33	23.54	25	1	
3	QPSK	12	13	23.24	23.23	23.45			
3	QPSK	36	0	23.43	23.39	23.57			
3	16QAM	1	0	23.64	23.60	23.84			
3	16QAM	1	12	23.73	23.76	23.95	25	1	
3	16QAM	1	12	23.68	23.68	23.95			
3	16QAM	12	0	22.45	22.31	22.51			
3	16QAM	12	7	22.48	22.48	22.67	24	2	
3	16QAM	12	13	22.30	22.29	22.47			
3	16QAM	25	0	22.33	22.32	22.51			
3	16QAM	25	0	22.33	22.32	22.51			
3	16QAM	25	0	22.33	22.32	22.51			
3	8QAM	1	12	22.57	22.59	22.76	24	2	
3	8QAM	1	12	22.57	22.59	22.76			
3	8QAM	1	24	22.42	22.48	22.68			
3	8QAM	12	0	21.37	21.37	21.57	23	3	
3	8QAM	12	7	21.28	21.28	21.49			
3	8QAM	12	13	21.28	21.28	21.51			
3	8QAM	1	0	19.88	19.88	19.87			
3	8QAM	1	12	19.84	19.82	19.83	21	5	
3	8QAM	12	0	19.81	19.82	19.83			
3	8QAM	12	0	19.81	19.82	19.83			
3	8QAM	12	0	19.81	19.82	19.83			
3	8QAM	12	7	19.87	19.82	19.84	21	5	
3	8QAM	12	13	19.81	19.84	19.87			
3	8QAM	25	0	19.37	19.84	19.94			
Channel									
Frequency (MHz)									
3	QPSK	1	5	24.34	24.34	24.40	Turn-on time (sec)	APRS (dB)	
3	QPSK	1	5	24.34	24.34	24.40			
3	QPSK	1	8	24.35	24.34	24.52	26	0	
3	QPSK	8	0	23.42	23.42	23.51			
3	QPSK	8	4	23.37	23.38	23.57	25	1	
3	QPSK	8	8	23.38	23.32	23.57			
3	QPSK	16	0	23.34	23.34	23.53			
3	16QAM	1	5	23.73	23.72	23.82	25	1	
3	16QAM	1	8	23.74	23.77	23.91			
3	16QAM	1	16	23.63	23.67	23.81			
3	16QAM	8	0	22.50	22.50	22.59			
3	16QAM	8	4	22.45	22.45	22.67	24	2	
3	16QAM	8	8	22.46	22.46	22.68			
3	16QAM	8	7	22.48	22.38	22.58			
3	16QAM	16	0	22.39	22.38	22.58			
3	16QAM	1	0	22.54	22.52	22.78	24	2	
3	8QAM	1	8	22.48	22.42	22.58			
3	8QAM	8	4	21.46	21.46	21.58			
3	8QAM	8	4	21.46	21.42	21.52	23	3	
3	8QAM	8	8	21.47	21.47	21.58			
3	8QAM	16	0	21.41	21.39	21.58			
3	25QAM	1	0	19.78	19.88	19.92			
3	25QAM	1	8	19.88	19.82	19.93	21	5	
3	25QAM	1	16	19.82	19.82	19.93			
3	25QAM	8	0	19.82	19.70	19.86			
3	25QAM	8	4	19.82	19.70	19.86			
3	25QAM	8	7	19.30	19.46	19.48			
3	25QAM	16	0	19.60	19.68	19.92			
Channel									
Frequency (MHz)									
1.4	QPSK	1	5	24.28	24.30	24.51	Turn-on time (sec)	APRS (dB)	
1.4	QPSK	1	5	24.28	24.30	24.51			
1.4	QPSK	1	5	24.27	24.27	24.46	26	0	
1.4	QPSK	5	0	24.38	24.34	24.52			
1.4	QPSK	5	0	24.38	24.34	24.52			
1.4	QPSK	5	3	24.28	24.30	24.57	25	1	
1.4	QPSK	5	0	24.28	24.30	24.58			
1.4	16QAM	1	5	23.85	23.82	23.93	25	1	
1.4	16QAM	1	5	23.85	23.82	23.93			
1.4	16QAM	1	5	23.85	23.82	23.93			
1.4	16QAM	1	5	23.85	23.82	23.93			
1.4	16QAM	1	5	23.85	23.82	23.93			
1.4	16QAM	1	5	23.85	23.82	23.93			
1.4	16QAM	1	5	23.85	23.82	23.93			
1.4	16QAM	1	5	23.85	23.82	23.93			
1.4	16QAM	1	5	23.85	23.82	23.93			
1.4	16QAM	1	5	23.85	23.82	23.93			
1.4	16QAM	1	5	23.85	23.82	23.93			
1.4	16QAM	1	5	23.85	23.82	23.93			
1									



Band 5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level (dBm)	Power Ch. Freq. (MHz)	Power Ch. Freq. (MHz)	Power Ch. Freq. (MHz)	Time-use (sec)	MFR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.47	24.51	24.58	26	0	
10	QPSK	1	25	24.52	24.52	24.67			
10	QPSK	1	49	24.52	24.58	24.67			
10	QPSK	25	0	23.53	23.60	23.67			
10	QPSK	25	12	23.52	23.61	23.73	25	1	
10	QPSK	25	25	23.58	23.63	23.71			
10	16QAM	1	0	23.68	23.65	24.04			
10	16QAM	1	25	23.68	23.65	24.04			
10	16QAM	1	49	23.68	23.65	24.04	25	1	
10	16QAM	25	0	23.68	23.65	24.04			
10	16QAM	25	12	23.68	23.65	24.04			
10	16QAM	25	25	23.68	23.65	24.04			
10	16QAM	50	0	22.66	22.69	22.71	24	2	
10	16QAM	50	12	22.66	22.69	22.71			
10	16QAM	50	25	22.63	22.69	22.78			
10	16QAM	1	0	22.72	22.63	22.65			
10	16QAM	1	25	22.72	22.63	22.65	24	2	
10	16QAM	1	49	22.76	22.63	22.69			
10	16QAM	25	0	21.87	21.83	21.71			
10	16QAM	25	12	21.88	21.88	21.74			
10	16QAM	25	25	21.98	21.88	21.74	23	3	
10	16QAM	50	0	21.81	21.87	21.70			
10	256QAM	1	0	19.92	19.93	19.94			
10	256QAM	1	25	20.11	20.04	19.92			
10	256QAM	1	49	19.98	19.98	19.91	21	5	
10	256QAM	25	0	19.77	19.86	19.83			
10	256QAM	25	12	19.98	19.92	19.85			
10	256QAM	25	25	19.98	19.99	19.88			
10	256QAM	50	0	19.94	19.97	19.95	21	5	
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.41	24.45	24.55	26	0	
5	QPSK	1	12	24.47	24.51	24.60			
5	QPSK	1	24	24.45	24.48	24.52			
5	QPSK	12	0	23.41	23.47	23.58			
5	QPSK	12	7	23.49	23.56	23.64	25	1	
5	QPSK	12	13	23.48	23.53	23.64			
5	QPSK	25	0	23.46	23.53	23.58			
5	16QAM	1	0	23.65	23.61	23.60			
5	16QAM	1	12	23.65	23.61	23.60	25	1	
5	16QAM	1	24	23.65	23.61	23.60			
5	16QAM	12	0	22.46	22.54	22.62			
5	16QAM	12	7	22.53	22.65	22.73			
5	16QAM	12	13	22.51	22.60	22.69	24	2	
5	16QAM	25	0	22.49	22.56	22.60			
5	16QAM	25	12	22.55	22.62	22.68			
5	16QAM	25	25	22.62	22.63	22.68			
5	16QAM	1	0	22.75	22.82	22.85	24	2	
5	16QAM	1	12	22.76	22.81	22.86			
5	16QAM	1	24	22.82	22.74	22.82			
5	16QAM	12	0	21.47	21.51	21.68			
5	16QAM	12	7	21.56	21.68	21.76	23	3	
5	16QAM	12	13	21.52	21.57	21.64			
5	16QAM	25	0	21.50	21.54	21.68			
5	16QAM	25	12	21.58	21.61	21.62			
5	256QAM	1	0	19.98	19.93	19.87	21	5	
5	256QAM	1	12	19.98	19.92	19.87			
5	256QAM	1	24	19.98	19.92	19.87			
5	256QAM	12	0	19.92	19.99	19.87			
5	256QAM	12	7	19.92	19.99	19.87	21	5	
5	256QAM	12	13	19.95	19.95	19.85			
5	256QAM	25	0	19.95	19.95	19.85			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.41	24.48	24.60	26	0	
3	QPSK	1	8	24.47	24.55	24.68			
3	QPSK	1	14	24.39	24.47	24.61			
3	QPSK	8	0	23.53	23.62	23.67			
3	QPSK	8	7	23.51	23.61	23.72	25	1	
3	QPSK	8	14	23.53	23.61	23.72			
3	16QAM	1	0	23.57	23.67	23.73			
3	16QAM	1	8	23.62	23.59	24.14			
3	16QAM	8	0	22.62	22.67	22.77	24	2	
3	16QAM	8	4	22.63	22.72	22.78			
3	16QAM	8	7	22.66	22.68	22.82			
3	16QAM	15	0	22.55	22.60	22.69			
3	16QAM	1	0	22.62	22.65	22.68	24	2	
3	16QAM	1	8	22.66	22.66	22.81			
3	16QAM	1	14	22.77	22.81	22.85			
3	16QAM	8	0	21.58	21.55	21.70			
3	16QAM	8	4	21.58	21.66	21.72	23	3	
3	16QAM	8	7	21.54	21.63	21.76			
3	16QAM	15	0	21.55	21.62	21.68			
3	16QAM	15	0	19.85	19.81	19.85			
3	256QAM	1	0	19.85	19.86	19.77	21	5	
3	256QAM	1	14	19.84	19.86	19.82			
3	256QAM	8	0	19.84	19.86	19.82			
3	256QAM	8	5	19.86	19.85	19.78			
3	256QAM	8	4	19.84	19.85	19.82	21	5	
3	256QAM	8	7	19.86	19.87	19.89			
3	256QAM	15	0	19.84	19.86	19.80			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.48	24.48	24.64	26	0	
1.4	QPSK	1	3	24.49	24.53	24.63			
1.4	QPSK	1	5	24.44	24.53	24.63			
1.4	QPSK	3	0	24.48	24.54	24.65			
1.4	QPSK	3	1	24.49	24.55	24.64	25	1	
1.4	QPSK	3	3	24.49	24.57	24.64			
1.4	QPSK	3	17	24.57	24.68	24.80			
1.4	16QAM	1	0	23.61	24.00	24.09			
1.4	16QAM	1	3	23.61	24.08	24.08	25	1	
1.4	16QAM	1	5	23.64	23.67	24.02			
1.4	16QAM	3	0	23.64	23.66	23.84			
1.4	16QAM	3	1	23.66	23.67	23.87			
1.4	16QAM	3	3	23.69	23.64	23.84	24	2	
1.4	16QAM	6	0	22.62	22.68	22.77			
1.4	16QAM	1	0	22.68	22.81	22.86			
1.4	16QAM	1	3	22.69	22.82	22.85			
1.4	16QAM	1	5	22.64	22.77	22.82	24	2	
1.4	16QAM	3	0	22.64	22.81	22.84			
1.4	16QAM	3	1	22.70	22.69	22.88			
1.4	16QAM	3	3	22.69	22.68	22.78			
1.4	256QAM	1	0	21.53	21.58	21.74	23	3	
1.4	256QAM	1	5	19.81	19.82	19.89			
1.4	256QAM	1	3	19.73	19.83	19.86			
1.4	256QAM	3	0	19.74	19.76	19.85			
1.4	256QAM	6	0	19.87	19.82	19.86	21	5	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.48	24.48	24.64	26	0	
1.4	QPSK	1	3	24.49	24.53	24.63			
1.4	QPSK	1	5	24.44	24.53	24.63			
1.4	QPSK	3	0	24.48	24.54	24.65			
1.4	QPSK	3	1	24.49	24.55	24.64	25	1	
1.4	QPSK	3	3	24.49	24.57	24.64			
1.4	QPSK	3	17	24.57	24.68	24.80			
1.4	16QAM	1	0	23.61	24.00	24.09			



Band 12_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./Freq.	Power Lvl Ch./Freq.	Power Lvl Ch./Freq.	Time-use (sec)	MPH (dB)				
Channel												
Frequency (MHz)				766.5	767.5	771.5						
10	QPSK	1	0	24.09	24.07	24.13	26	0				
10	QPSK	1	26	24.15	24.21	24.28						
10	QPSK	1	48	24.23	24.21	24.25	25	1				
10	QPSK	25	0	23.16	23.17	23.23						
10	QPSK	25	12	23.21	23.15	23.20	25	1				
10	QPSK	25	25	23.25	23.26	23.30						
10	16QAM	1	0	23.36	23.36	23.43	25	1				
10	16QAM	1	25	23.38	23.34	23.63						
10	16QAM	1	48	23.71	23.70	23.70	25	1				
10	16QAM	25	0	23.22	23.29	23.29						
10	16QAM	25	12	23.22	23.31	23.31	24	2				
10	16QAM	25	25	23.26	23.30	23.40						
10	16QAM	50	0	23.26	23.26	23.26	24	2				
10	16QAM	1	0	22.90	22.92	22.42						
10	16QAM	1	25	22.44	22.47	22.50	23	3				
10	16QAM	25	12	21.27	21.30	21.29						
10	16QAM	25	25	21.28	21.30	21.30	23	3				
10	16QAM	50	0	21.29	21.29	21.30						
10	25QAM	1	0	19.24	19.41	19.30	21	5				
10	25QAM	1	25	19.63	19.53	19.61						
10	25QAM	1	48	19.42	19.48	19.27	21	5				
10	25QAM	25	0	19.28	19.28	19.30						
10	25QAM	25	12	19.28	19.40	19.38	21	5				
10	25QAM	25	25	19.38	19.44	19.48						
10	25QAM	50	0	19.38	19.44	19.48	20	5				
Channel												
Frequency (MHz)				767.5	767.5	771.5			Time-use (sec)	MPH (dB)		
5	QPSK	1	0	24.15	24.13	24.28	26	0				
5	QPSK	1	12	24.24	24.27	24.30						
5	QPSK	1	24	24.29	24.23	24.30	25	1				
5	QPSK	12	0	23.16	23.18	23.28						
5	QPSK	12	7	23.20	23.27	23.30	25	1				
5	QPSK	12	13	23.22	23.24	23.35						
5	QPSK	25	0	23.22	23.24	23.36	25	1				
5	16QAM	1	0	23.48	23.48	23.63						
5	16QAM	1	12	23.69	23.63	23.74	25	1				
5	16QAM	1	24	23.76	23.66	23.80						
5	16QAM	12	0	23.22	23.21	23.33	24	2				
5	16QAM	12	7	23.31	23.32	23.41						
5	16QAM	12	13	23.24	23.29	23.40	24	2				
5	16QAM	25	0	23.26	23.27	23.37						
5	16QAM	1	0	22.37	22.44	22.60	24	2				
5	16QAM	1	24	22.41	22.44	22.50						
5	16QAM	12	7	21.30	21.32	21.41	23	3				
5	16QAM	12	13	21.24	21.29	21.40						
5	16QAM	25	0	21.25	21.26	21.37	21	5				
5	25QAM	1	0	19.10	19.34	19.42						
5	25QAM	1	12	19.62	19.62	19.65	21	5				
5	25QAM	1	24	19.47	19.48	19.29						
5	25QAM	12	0	19.46	19.46	19.36	21	5				
5	25QAM	12	7	19.40	19.17	19.27						
5	25QAM	12	13	19.38	19.47	19.44	20	5				
5	25QAM	25	0	19.38	19.37	19.37						
Channel												
Frequency (MHz)				769.5	767.5	771.5	Time-use (sec)	MPH (dB)				
5	QPSK	1	0	24.18	24.18	24.24	26	0				
5	QPSK	1	8	24.22	24.25	24.30						
5	QPSK	1	14	24.09	24.12	24.25	25	1				
5	QPSK	8	0	23.28	23.27	23.30						
5	QPSK	8	4	23.24	23.28	23.42	25	1				
5	QPSK	8	7	23.20	23.23	23.36						
5	16QAM	1	0	23.38	23.38	23.48	25	1				
5	16QAM	1	8	23.59	23.64	23.78						
5	16QAM	1	14	23.47	23.40	23.51	24	2				
5	16QAM	8	0	22.34	22.37	22.48						
5	16QAM	8	7	22.30	22.32	22.48	24	2				
5	16QAM	16	0	22.28	22.28	22.33						
5	16QAM	1	0	22.43	22.42	22.51	23	3				
5	16QAM	1	14	22.39	22.43	22.55						
5	16QAM	8	0	21.27	21.24	21.39	23	3				
5	16QAM	8	4	21.31	21.29	21.45						
5	16QAM	8	7	21.29	21.27	21.42	23	3				
5	16QAM	15	0	21.26	21.26	21.33						
5	25QAM	1	0	19.28	19.36	19.50	21	5				
5	25QAM	1	8	19.48	19.41	19.66						
5	25QAM	1	14	19.31	19.26	19.38	21	5				
5	25QAM	8	0	19.46	19.35	19.57						
5	25QAM	8	4	19.34	19.31	19.39	21	5				
5	25QAM	8	7	19.21	19.34	19.52						
5	25QAM	16	0	19.24	19.15	19.50	21	5				
5	25QAM	1	0	19.22	19.17	19.59						
5	25QAM	1	14	19.31	19.26	19.38	21	5				
5	25QAM	1	19	19.24	19.20	19.21						
5	25QAM	3	1	19.22	19.26	19.45	21	5				
5	25QAM	3	3	19.23	19.30	19.37						
5	25QAM	6	0	19.22	19.30	19.37	21	5				
5	25QAM	6	5	19.22	19.30	19.37						

Band 12_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./Freq.	Power Lvl Ch./Freq.	Power Lvl Ch./Freq.	Time-use (sec)	MPH (dB)		
Channel										
Frequency (MHz)				764	767.5	771				
10	QPSK	1	0	24.09	24.07	24.13	26	0		
10	QPSK	1	26	24.13	24.11	24.15				
10	QPSK	1	48	24.23	24.21	24.25	25	1		
10	QPSK	25	0	23.16	23.17	23.23				
10	QPSK	25	12	23.17	23.15	23.20	25	1		
10	QPSK	25	25	23.25	23.26	23.30				
10	QPSK	50	0	23.25	23.26	23.30	25	1		
10	16QAM	1	0	23.36	23.36	23.43				
10	16QAM	1	25	23.38	23.34	23.63	25	1		
10	16QAM	1	48	23.71	23.70	23.70				
10	16QAM	25	0	23.29	23.29	23.29	24	2		
10	16QAM	25	12	23.29	23.31	23.31				
10	16QAM	25	25	23.26	23.30	23.40	24	2		
10	16QAM	50	0	23.26	23.26	23.26				
10	16QAM	1	0	22.90	22.92	22.42	24	2		
Channel										
Frequency (MHz)				765.5 <th>767.5<th>773.5<th></th><th></th><th></th><th></th></th></th>	767.5 <th>773.5<th></th><th></th><th></th><th></th></th>	773.5 <th></th> <th></th> <th></th> <th></th>				
5	QPSK	1	0	24.15	24.13	24.28	26	0		
5	QPSK	1	12	24.24	24.22	24.28				
5	QPSK	1	24	24.34	24.32	24.38	25	1		
5	QPSK	12	0	23.18	23.18	23.28				
5	QPSK	12	7	23.26	23.27	23.38	25	1		
5	QPSK	12	12	23.24	23.24	23.33				
5	QPSK	25	0	23.22	23.24	23.35	25	1		
5	16QAM	1	0	23.48	23.48	23.63				
5	16QAM	1	25	23.50	23.46	23.83	25	1		
5	16QAM	1	48	23.83	23.83	23.83				
5	16QAM	12	0	23.22	23.21	23.23	24	2		
5	16QAM	12	7	23.23	23.23	23.33				
5	16QAM	12	13	23.26	23.30	23.41	24	2		
5	16QAM	25	0	23.26	23.27	23.37				
5	16QAM	25	12	23.27	23.28	23.37	24	2		
5	16QAM	25	25	23.24	23.25	23.35				
5	16QAM	1	12	23.49	23.51	23.61	24	2		
5	16QAM	1	24	23.44	23.44	23.55				
5	16QAM	12	0	23.42	23.42	23.45	23	3		
5	16QAM	12	7	23.30	23.32	23.41				
5	16QAM	12	13	23.24	23.28	23.40	23	3		
5	16QAM	25	0	23.27	23.28	23.37				
5	16QAM	1	12	16.42	16.42	16.58	21	5		
5	16QAM	1	24	16.43	16.43	16.58				
5	16QAM	12	0	16.45	16.45	16.58	21	5		
5	16QAM	12	7	16.40	16.41	17.27				
5	16QAM	12	13	16.47	16.48	16.58	21	5		
5	16QAM	25	0	16.34	16.35	16.47				
Channel										
Frequency (MHz)				2050.5 <th>2050.5<th>2051.5<th></th><th></th><th></th><th></th></th></th>	2050.5 <th>2051.5<th></th><th></th><th></th><th></th></th>	2051.5 <th></th> <th></th> <th></th> <th></th>				
3	QPSK	1	0	24.10	24.10	24.28	26	0		
3	QPSK	1	8	24.22	24.26	24.38				
3	QPSK	1	16	24.33	24.33	24.38	25	1		
3	QPSK	8	0	23.26	23.27	23.32				
3	QPSK	8	4	23.24	23.28	23.43	25	1		
3	QPSK	8	16	23.33	23.33	23.33				
3	QPSK	16	0	23.29	23.24	23.24	25	1		
3	16QAM	1	0	23.53	23.48	23.68				
3	16QAM	1	8	23.54	23.54	23.68	25	1		
3	16QAM	1	16	23.57	23.53	23.67				
3	16QAM	8	0	23.33	23.38	23.41	24	2		
3	16QAM	8	8	23.37	23.37	23.41				
3	16QAM	8	16	23.32	23.32	23.42	24	2		
3	16QAM	16	0	23.28	23.28	23.33				
3	16QAM	16	8	23.43	23.43	23.43	24	2		
3	16QAM	1	8	22.44	22.47	22.52				
3	16QAM	1	16	22.39	22.43	23.05	23	3		
3	16QAM	8	4	21.33	21.29	21.45				
3	16QAM	8	7	21.27	21.27	21.43	23	3		
3	16QAM	8	14	21.28	21.28	21.43				
3	16QAM	1	0	19.28	19.36	19.52	21	5		
3	16QAM	1	8	16.48	16.41	18.66				
3	16QAM	1	16	16.48	16.38	18.72	21	5		
3	16QAM	8	0	16.48	16.35	18.31				
3	16QAM	8	4	16.34	16.51	18.58	21	5		
3	16QAM	8	16	16.47	16.47	18.58				
3	16QAM	16	0	16.24	16.15	18.05	21	5		
3	16QAM	16	8	16.24	16.15	18.05				
Channel										
Frequency (MHz)				2051.7 <th>2050.5<th>2051.5<th></th><th></th><th></th><th></th></th></th>	2050.5 <th>2051.5<th></th><th></th><th></th><th></th></th>	2051.5 <th></th> <th></th> <th></th> <th></th>				
1.4	QPSK	1	0	24.17	24.16	24.31	26	0		
1.4	QPSK	1	3	24.19	24.20	24.38				
1.4	QPSK	1	6	24.22	24.18	24.38	26	0		
1.4	QPSK	3	0	24.22	24.22	24.38				
1.4	QPSK	3	3	24.19	24.22	24.38	25	1		
1.4	QPSK	3	6	24.18	24.18	24.38				
1.4	16QAM	1	0	23.57	23.53	23.74	25	1		
1.4	16QAM	1	3	23.63	23.57	23.76				
1.4	16QAM	1	6	23.61	23.56	23.88	25	1		
1.4	16QAM	3	0	23.38	23.40	23.51				
1.4	16QAM	3	3	23.40	23.38	23.51	25	1		
1.4	16QAM	3	6	23.35	23.38	23.51				
1.4	16QAM	6	0	22.30	22.27	22.31	26	2		
1.4	16QAM	6	3	22.34	22.34	22.34				
1.4	16QAM	6	6	22.41	22.42	22.63	24	2		
1.4	16QAM	1	3	22.41	22.42	22.48				
1.4	16QAM	1	6	22.37	22.37	22.37	24	2		
1.4	16QAM	1	9	22.34	22.32	22.37				
1.4	16QAM	3	0	22.29	22.33	22.50	23	3		
1.4	16QAM	3	3	22.31	22.31	22.31				
1.4	16QAM	3	6	19.15	19.46	19.57	21	5		
1.4	16QAM	1	3	16.66	16.57	18.58				
1.4	16QAM	1	6	16.61	16.61	18.58	21	5		
1.4	16QAM	3	0	19.54	19.20	19.21				
1.4	16QAM	3	3	19.22	19.28	18.48	21	5		
1.4	16QAM	3	6	19.26	19.26	18.48				
1.4	16QAM	6	0	19.20	19.05	19.27	21	5		
1.4	16QAM	6	3	19.20	19.05	19.27				



Band 17_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-use ratio (sec)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.07	24.10	24.10	26	0				
10	QPSK	1	20	24.20	24.22	24.22						
10	QPSK	1	40	24.28	24.30	24.32						
10	QPSK	25	0	23.21	23.21	23.28						
10	QPSK	25	12	23.01	23.01	23.03	25	1				
10	QPSK	25	25	23.27	23.29	23.32						
10	QPSK	50	0	23.26	23.22	23.30						
10	QPSK	1	0	23.00	23.03	23.00						
10	16QAM	1	0	23.00	23.63	23.59	25	1				
10	16QAM	1	40	23.71	23.71	23.75						
10	16QAM	25	0	22.91	22.92	22.98						
10	16QAM	25	12	22.26	22.26	22.33						
10	16QAM	25	25	22.31	22.33	22.36	24	2				
10	16QAM	50	0	22.30	22.24	22.27						
10	16QAM	1	0	22.91	22.91	22.91						
10	16QAM	1	25	22.46	22.47	22.51		24	2			
10	16QAM	1	40	22.94	22.90	22.92	23					
10	16QAM	25	0	21.29	21.24	21.27						
10	16QAM	25	12	21.34	21.28	21.32						
10	16QAM	25	25	21.29	21.29	21.35	21	5				
10	16QAM	50	0	21.20	21.23	21.27						
10	25QAM	1	0	19.00	19.02	19.03						
10	25QAM	1	40	19.47	19.42	19.53						
10	25QAM	12	0	19.31	19.35	19.36	21	5				
10	25QAM	25	12	19.44	19.48	19.42						
10	25QAM	25	25	19.31	19.51	19.54						
10	25QAM	50	0	19.19	19.18	19.20						
Channel												
700.710.710.5												
5	QPSK	1	0	24.10	24.24	24.30	26	0				
5	QPSK	1	12	24.20	24.29	24.31						
5	QPSK	1	24	24.10	24.19	24.28						
5	QPSK	12	0	23.20	23.27	23.34						
5	QPSK	12	7	23.01	23.29	23.29	25	1				
5	QPSK	12	13	23.19	23.27	23.31						
5	QPSK	25	0	23.03	23.02	23.07						
5	16QAM	1	0	23.00	23.09	23.79						
5	16QAM	1	12	23.01	23.05	23.75	25	1				
5	16QAM	1	24	23.02	23.07	23.59						
5	16QAM	12	0	22.26	22.31	22.36						
5	16QAM	12	7	22.27	22.35	22.35						
5	16QAM	12	13	22.24	22.32	22.36	24	2				
5	16QAM	25	0	22.26	22.25	22.31						
5	16QAM	1	0	22.46	22.55	22.60						
5	16QAM	1	12	22.47	22.53	22.66		24	2			
5	16QAM	1	24	22.51	22.53	22.54	23					
5	16QAM	12	0	21.26	21.31	21.37						
5	16QAM	12	7	21.28	21.36	21.52						
5	16QAM	12	13	21.19	21.31	21.31	21	5				
5	16QAM	25	0	21.26	21.29	21.31						
5	25QAM	1	0	19.48	19.14	19.66						
5	25QAM	1	12	19.09	19.53	19.14						
5	25QAM	1	24	19.44	19.41	19.53	21	5				
5	25QAM	12	0	19.26	19.31	19.31						
5	25QAM	12	7	19.23	19.30	19.29						
5	25QAM	12	13	19.40	19.05	19.41						
5	25QAM	25	0	19.11	19.15	19.18	20	0				
5	25QAM	1	0	24.07	24.10	24.10						
5	25QAM	1	20	24.20	24.22	24.22						
5	25QAM	1	40	24.28	24.30	24.32						
5	25QAM	25	0	23.21	23.21	23.28	25	1				
5	25QAM	25	12	23.00	23.01	23.02						
5	25QAM	50	0	23.26	23.22	23.30						
5	25QAM	1	0	23.00	23.03	23.00						
5	25QAM	1	25	23.26	23.86	23.57	25	1				
5	25QAM	1	40	23.71	23.71	23.75						
5	25QAM	25	0	22.91	22.92	22.98						
5	25QAM	25	12	22.26	22.26	22.33						



Band 26_Ant 0																
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Time-use (sec)	MFR (dB)								
Channel																
Frequency (MHz)																
15	QPSK	1	0	24.43	24.42	24.37	26	0								
15	QPSK	1	37	24.43	24.41	24.43										
15	QPSK	1	74	24.42	24.34	24.63	25	1								
15	QPSK	36	0	23.47	23.52	23.68										
15	QPSK	36	25	23.47	23.57	23.73	25	1								
15	QPSK	36	36	23.63	23.84	23.72										
15	QPSK	75	0	23.63	23.59	23.68	25	1								
15	16QAM	1	0	23.75	23.77	23.80										
15	16QAM	1	37	23.59	23.56	24.00	24	2								
15	16QAM	1	74	23.94	23.80	23.98										
15	16QAM	36	0	22.69	22.55	22.68	24	2								
15	16QAM	36	25	22.69	22.86	22.73										
15	16QAM	75	0	22.69	22.59	22.87	24	2								
15	16QAM	1	0	22.69	22.72	22.87										
15	16QAM	1	37	22.76	22.90	22.87	24	2								
15	16QAM	1	74	22.84	22.79	22.89										
15	16QAM	36	25	21.51	21.57	21.76	23	3								
15	16QAM	36	36	21.68	21.66	21.77										
15	16QAM	75	0	21.64	21.58	21.66	21	5								
15	25QAM	1	0	19.53	19.68	19.68										
15	25QAM	1	37	19.77	19.80	19.83	21	5								
15	25QAM	1	74	19.72	19.83	19.71										
15	25QAM	36	0	19.87	19.81	19.80	21	5								
15	25QAM	36	25	19.84	19.74	19.76										
15	25QAM	36	36	19.57	19.71	19.64	21	5								
15	25QAM	75	0	19.75	19.82	19.81										
Channel																
Frequency (MHz)																
15	QPSK	1	0	24.26	24.42	24.37	26	0								
15	QPSK	1	26	24.35	24.48	24.65										
15	QPSK	1	49	24.34	24.49	24.60	25	1								
15	QPSK	25	0	23.34	23.54	23.62										
15	QPSK	25	12	23.46	23.52	23.64	25	1								
15	QPSK	25	25	23.49	23.57	23.69										
15	QPSK	50	0	23.41	23.50	23.74	25	1								
15	16QAM	1	0	23.62	23.84	23.81										
15	16QAM	1	25	23.69	23.86	24.04	24	2								
15	16QAM	1	37	23.76	23.85	23.92										
15	16QAM	25	0	22.36	22.54	22.65	24	2								
15	16QAM	25	12	22.45	22.54	22.67										
15	16QAM	25	25	22.36	22.50	22.71	24	2								
15	16QAM	50	0	22.41	22.50	22.71										
15	16QAM	1	0	22.49	22.58	22.83	24	2								
15	16QAM	1	25	22.49	22.79	22.90										
15	16QAM	1	49	22.52	22.79	22.85	23	3								
15	16QAM	25	0	21.34	21.54	21.68										
15	16QAM	25	12	21.46	21.57	21.68	23	3								
15	16QAM	25	25	21.44	21.57	21.67										
15	16QAM	50	0	21.45	21.50	21.70	21	5								
15	25QAM	1	0	19.57	19.58	19.81										
15	25QAM	1	25	19.81	19.88	19.74	21	5								
15	25QAM	1	49	19.81	19.83	19.82										
15	25QAM	25	0	19.84	19.86	19.80	21	5								
15	25QAM	25	12	19.81	19.82	19.88										
15	25QAM	25	25	19.52	19.70	19.68	21	5								
15	25QAM	50	0	19.77	19.82	19.85										
Channel																
Frequency (MHz)																
5	QPSK	1	0	24.43	24.42	24.37	26	0								
5	QPSK	1	12	24.36	24.54	24.66										
5	QPSK	1	24	24.29	24.46	24.58	25	1								
5	QPSK	12	0	23.34	23.54	23.62										
5	QPSK	12	7	23.36	23.55	23.69	25	1								
5	QPSK	12	13	23.32	23.54	23.63										
5	QPSK	25	0	23.36	23.55	23.69	25	1								
5	16QAM	1	0	23.59	23.89	23.92										
5	16QAM	1	12	23.77	24.03	24.04	24	2								
5	16QAM	1	24	23.88	24.16	24.14										
5	16QAM	12	0	22.37	22.49	22.65	24	2								
5	16QAM	12	7	22.43	22.62	22.72										
5	16QAM	12	13	22.36	22.46	22.62	24	2								
5	16QAM	25	0	22.35	22.45	22.68										
5	16QAM	1	0	22.61	22.73	22.83	24	2								
5	16QAM	1	12	22.66	22.76	22.87										
5	16QAM	1	24	22.62	22.87	22.79	23	3								
5	16QAM	12	0	21.26	21.52	21.62										
5	16QAM	12	7	21.26	21.41	21.70	23	3								
5	16QAM	12	13	21.37	21.54	21.71										
5	16QAM	25	0	21.33	21.48	21.65	21	5								
5	25QAM	1	0	19.46	19.61	19.67										
5	25QAM	1	12	19.72	19.74	19.46	21	5								
5	25QAM	1	24	19.76	19.84	19.83										
5	25QAM	12	0	19.51	19.52	19.44	21	5								
5	25QAM	12	7	19.67	19.72	19.82										
5	25QAM	12	13	19.56	19.70	19.52	21	5								
5	25QAM	25	0	19.51	19.58	19.52										
Channel																
Frequency (MHz)																
3	QPSK	1	0	24.43	24.42	24.37	26	0								
3	QPSK	1	8	24.39	24.44	24.35										
3	QPSK	1	14	24.35	24.53	24.44	25	1								
3	QPSK	3	0	24.36	24.53	24.61										
3	QPSK	8	4	23.23	23.47	23.53	25	1								
3	QPSK	8	7	23.21	23.43	23.56										
3	QPSK	18	0	23.37	23.34	23.48	25	1								
3	16QAM	1	0	23.46	23.70	23.83										
3	16QAM	1	8	23.60	23.89	23.94	24	2								
3	16QAM	1	14	23.54	23.86	23.88										
3	16QAM	8	0	22.21	22.46	22.57	24	2								
3	16QAM	8	4	22.35	22.54	22.57										
3	16QAM	18	0	22.37	22.34	22.48	24	2								
3	16QAM	18	4	22.25	22.40	22.50										
3	16QAM	1	0	22.32	22.59	22.68	24	2								
3	16QAM	1	8	22.37	22.62	22.72										
3	16QAM	1	14	22.32	22.58	22.69	23	3								
3	16QAM	8	0	21.16	21.28	21.53										
3	16QAM	8	4	21.26	21.43	21.51	23	3								
3	16QAM	18	0	21.37	21.54	21.71										
3	16QAM	25	0	21.33	21.48	21.65	21	5								
3	25QAM	1	0	19.47	19.68	19.67										
3	25QAM	1	8	19.87	19.88	19.47	21	5								
3	25QAM	1	14	19.88	19.72	19.84										
3	25QAM	8	0	19.53	19.57	19.46	21	5								
3	25QAM	8	4	19.62	19.57	19.59										
3	25QAM	18	0	19.68	19.71	19.41	21	5								
3	25QAM	18	7	19.68	19.61	19.41										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	24.43	24.42	24.37	26	0								
1.4	QPSK	1	152	24.37	24.51	24.63										
1.4	QPSK	1	3	24.41	24.43	24.42	25	1								
1.4	QPSK	1	5	24.36	24.57	24.21										
1.4	QPSK	3	0	24.33	24.47	24.53	25	1								
1.4	QPSK	3	1	24.41	24.53	24.52										
1.4	QPSK	3	3	24.39	24.62	24.26	25	1								
1.4	QPSK	12	0	23.34	23.54	23.62										
1.4	16QAM	1	0	23.75	23.86	23.97	24	2								
1.4	16QAM	1	3	23.73	23.95	23.77										
1.4	16QAM	3	0	23.82	24.07	23.98	24	2								
1.4	16QAM	3	1	23.82	23.93	23.85										
1.4	16QAM	3	3	23.66	23.70	23.85	24	2								
1.4	16QAM	12	0	22.41	22.58	22.70										
1.4	16QAM	12	3	22.50	22.72	22.67	24	2								
1.4	16QAM	12	6	22.52	22.62	22.70										
1.4	16QAM	3	0	22.36	22.85	22.90	24	2								
1.4	16QAM	3	3	22.53	22.66	22.84										
1.4	16QAM	12	0	22.36	22.58	22.69	23	3								
1.4	16QAM	3	3	22.60	22.71	22.83										
1.4	16QAM	6	0	21.42	21.61	21.72	23	3								
1.4	16QAM	6	3	21.47	21.62	21.73										
1.4	16QAM	1	0	19.56	19.60	19.67	21	5								
1.4	16QAM	1	3	19.56	19.62	19.67										
1.4	25QAM	1	0	19.78	19.73	19.69	21	5								
1.4	25QAM	1	3	19.35	19.69	19.56										
1.4	25QAM	3	0	19.35	19.69	19.56	21	5								
1.4	25QAM	3	1	19.35	19.69	19.56										



Band 66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Time-use (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.27	24.26	24.25	26	0	
20	QPSK	1	48	24.27	24.26	24.25			
20	QPSK	1	96	24.27	24.26	24.25			
20	QPSK	50	0	23.46	23.43	23.51			
20	QPSK	50	24	23.46	23.43	23.51			
20	QPSK	50	48	23.46	23.43	23.51	25	1	
20	QPSK	50	72	23.46	23.43	23.51			
20	QPSK	50	96	23.46	23.43	23.51			
20	QPSK	100	0	23.52	23.46	23.52			
20	QPSK	100	24	23.52	23.46	23.52			
20	QPSK	100	48	23.52	23.46	23.52	25	1	
20	QPSK	100	72	23.52	23.46	23.52			
20	QPSK	100	96	23.52	23.46	23.52			
20	QPSK	100	120	23.52	23.46	23.52			
20	QPSK	100	144	23.52	23.46	23.52			
20	QPSK	1	0	22.62	22.62	22.62	24	2	
20	QPSK	1	48	22.62	22.62	22.62			
20	QPSK	1	96	22.62	22.62	22.62			
20	QPSK	50	0	21.56	21.52	21.59			
20	QPSK	50	24	21.56	21.52	21.59			
20	QPSK	50	48	21.56	21.52	21.59	23	3	
20	QPSK	50	72	21.56	21.52	21.59			
20	QPSK	50	96	21.56	21.52	21.59			
20	QPSK	100	0	21.52	21.47	21.55			
20	QPSK	100	24	21.52	21.47	21.55			
20	QPSK	100	48	21.52	21.47	21.55	21	5	
20	QPSK	100	72	21.52	21.47	21.55			
20	QPSK	100	96	21.52	21.47	21.55			
20	QPSK	100	120	21.52	21.47	21.55			
20	QPSK	100	144	21.52	21.47	21.55			
20	QPSK	1	0	19.47	19.36	19.47	21	5	
20	QPSK	1	48	19.47	19.36	19.47			
20	QPSK	1	96	19.47	19.36	19.47			
20	QPSK	50	0	19.36	19.36	19.47			
20	QPSK	50	24	19.36	19.36	19.47			
20	QPSK	50	48	19.36	19.36	19.47	21	5	
20	QPSK	50	72	19.36	19.36	19.47			
20	QPSK	50	96	19.47	19.42	19.50			
20	QPSK	50	120	19.47	19.42	19.50			
20	QPSK	50	144	19.47	19.42	19.50			
20	QPSK	100	0	19.45	19.40	19.50	21	5	
20	QPSK	100	24	19.45	19.40	19.50			
20	QPSK	100	48	19.45	19.40	19.50			
20	QPSK	100	72	19.45	19.40	19.50			
20	QPSK	100	96	19.45	19.40	19.50			
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.26	24.21	24.43	26	0	
15	QPSK	1	32	24.26	24.21	24.43			
15	QPSK	1	64	24.26	24.21	24.43			
15	QPSK	1	96	24.26	24.21	24.43			
15	QPSK	50	0	23.44	23.37	23.48			
15	QPSK	50	24	23.44	23.37	23.48	25	1	
15	QPSK	50	48	23.44	23.37	23.48			
15	QPSK	50	72	23.44	23.37	23.48			
15	QPSK	50	96	23.44	23.37	23.48			
15	QPSK	50	120	23.44	23.37	23.48			
15	QPSK	1	0	22.47	22.43	22.52	25	1	
15	QPSK	1	32	22.47	22.43	22.52			
15	QPSK	1	64	22.47	22.43	22.52			
15	QPSK	1	96	22.47	22.43	22.52			
15	QPSK	1	128	22.47	22.43	22.52			
15	QPSK	36	0	23.48	23.41	23.51	24	2	
15	QPSK	36	36	23.48	23.41	23.51			
15	QPSK	36	72	23.48	23.41	23.51			
15	QPSK	36	108	23.48	23.41	23.51			
15	QPSK	36	144	23.48	23.41	23.51			
15	QPSK	75	0	23.47	23.43	23.52	23	3	
15	QPSK	75	0	23.47	23.43	23.52			
15	QPSK	75	0	23.47	23.43	23.52			
15	QPSK	75	0	23.47	23.43	23.52			
15	QPSK	75	0	23.47	23.43	23.52			
15	QPSK	1	0	19.47	19.36	19.47	21	5	
15	QPSK	1	32	19.47	19.36	19.47			
15	QPSK	1	64	19.47	19.36	19.47			
15	QPSK	1	96	19.47	19.36	19.47			
15	QPSK	1	128	19.47	19.36	19.47			
15	QPSK	36	0	22.45	22.40	22.48	24	2	
15	QPSK	36	36	22.45	22.40	22.48			
15	QPSK	36	72	22.45	22.40	22.48			
15	QPSK	36	108	22.45	22.40	22.48			
15	QPSK	36	144	22.45	22.40	22.48			
15	QPSK	75	0	22.51	22.46	22.51	24	2	
15	QPSK	75	0	22.51	22.46	22.51			
15	QPSK	75	0	22.51	22.46	22.51			
15	QPSK	75	0	22.51	22.46	22.51			
15	QPSK	75	0	22.51	22.46	22.51			
15	QPSK	1	0	22.62	22.52	22.69	24	2	
15	QPSK	1	32	22.62	22.52	22.69			
15	QPSK	1	64	22.62	22.52	22.69			
15	QPSK	1	96	22.62	22.52	22.69			
15	QPSK	1	128	22.62	22.52	22.69			
15	QPSK	1	160	22.62	22.52	22.69	23	3	
15	QPSK	1	192	22.62	22.52	22.69			
15	QPSK	1	224	22.62	22.52	22.69			
15	QPSK	1	256	22.62	22.52	22.69			

Band 38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.88	24.98	25.03	26	0	
20	QPSK	1	49	25.08	25.20	25.22			
20	QPSK	1	99	25.02	25.12	25.18			
20	QPSK	50	0	23.98	24.09	24.22	25	1	
20	QPSK	50	24	24.22	24.21	24.29			
20	QPSK	50	50	24.13	24.20	24.27			
20	QPSK	100	0	24.06	24.13	24.17	25	1	
20	16QAM	1	0	23.74	23.90	24.27			
20	16QAM	1	49	24.42	24.47	24.10			
20	16QAM	1	99	24.27	24.10	24.23	24	2	
20	16QAM	50	0	22.88	23.13	23.20			
20	16QAM	50	24	23.12	23.16	23.27			
20	16QAM	50	50	23.05	23.20	23.33	24	2	
20	16QAM	100	0	23.13	23.16	23.17			
20	16QAM	1	0	22.52	23.12	23.24			
20	64QAM	1	49	23.21	23.81	23.54	24	2	
20	64QAM	1	99	23.23	23.23	22.99			
20	64QAM	50	0	21.98	22.13	22.08			
20	64QAM	50	24	22.13	22.24	22.27	23	3	
20	64QAM	50	50	22.12	22.27	22.26			
20	64QAM	100	0	22.12	22.16	22.16			
20	256QAM	1	0	19.72	19.82	19.97	21	5	
20	256QAM	1	49	19.74	19.88	19.67			
20	256QAM	1	99	19.78	19.91	19.87			
20	256QAM	50	0	19.73	19.95	20.07	21	5	
20	256QAM	50	24	19.81	19.98	19.80			
20	256QAM	50	50	19.87	20.00	19.97			
20	256QAM	100	0	19.78	19.90	19.84			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	24.72	24.92	25.11	26	0	
15	QPSK	1	37	24.78	25.17	25.00			
15	QPSK	1	74	24.84	24.99	25.00			
15	QPSK	36	0	23.70	23.92	24.03	25	1	
15	QPSK	36	20	23.86	23.99	24.09			
15	QPSK	36	39	23.94	24.04	24.04			
15	QPSK	75	0	23.91	23.94	24.01	25	1	
15	16QAM	1	0	23.68	23.75	23.73			
15	16QAM	1	37	23.84	23.90	23.83			
15	16QAM	1	74	24.11	23.86	23.94	24	2	
15	16QAM	36	0	22.67	22.94	22.93			
15	16QAM	36	20	22.87	22.98	23.04			
15	16QAM	36	39	22.81	23.03	22.94	24	2	
15	16QAM	75	0	22.80	22.95	22.97			
15	64QAM	1	0	22.81	22.85	22.68			
15	64QAM	1	37	23.14	23.29	22.88	24	2	
15	64QAM	1	74	23.07	23.05	22.83			
15	64QAM	36	0	21.78	22.09	21.91			
15	64QAM	36	20	21.90	21.92	22.02	23	3	
15	64QAM	36	39	21.79	22.05	22.07			
15	64QAM	75	0	21.82	21.94	22.04			
15	256QAM	1	0	19.49	19.63	19.77	21	5	
15	256QAM	1	37	19.56	19.98	19.78			
15	256QAM	1	74	19.56	20.04	19.88			
15	256QAM	36	0	19.75	19.76	19.84	21	5	
15	256QAM	36	20	19.90	19.97	19.58			
15	256QAM	36	39	19.87	19.86	20.05			
15	256QAM	75	0	19.75	19.74	19.71			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.86	25.09	25.02	26	0	
10	QPSK	1	25	24.91	25.16	25.09			
10	QPSK	1	49	24.90	25.04	25.04			
10	QPSK	25	0	23.88	24.14	24.17	25	1	
10	QPSK	25	12	23.97	24.02	24.10			
10	QPSK	25	25	23.99	24.23	24.10			
10	QPSK	50	0	23.94	24.03	24.18	25	1	
10	16QAM	1	0	24.11	24.26	23.97			
10	16QAM	1	25	23.94	24.26	24.10			
10	16QAM	1	49	24.16	24.15	24.06	24	2	
10	16QAM	25	0	22.83	23.09	23.22			
10	16QAM	25	12	23.01	23.12	23.14			
10	16QAM	25	25	22.95	23.20	23.07	24	2	
10	16QAM	50	0	22.96	23.03	23.07			
10	64QAM	1	0	22.49	22.77	23.19			
10	64QAM	1	25	22.89	22.59	23.00	24	2	
10	64QAM	1	49	22.95	22.94	23.23			
10	64QAM	25	0	21.74	22.06	22.20			
10	64QAM	25	12	22.02	22.16	22.10	23	3	
10	64QAM	25	25	22.04	22.28	22.14			
10	64QAM	50	0	21.94	22.15	22.09			
10	256QAM	1	0	19.58	19.91	19.89	21	5	
10	256QAM	1	25	19.78	19.85	19.84			
10	256QAM	1	49	19.66	19.95	19.88			
10	256QAM	25	0	19.69	19.94	20.04	21	5	
10	256QAM	25	12	19.81	19.76	19.75			
10	256QAM	25	25	19.84	19.89	19.89			
10	256QAM	50	0	19.77	19.97	19.64			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.79	25.10	25.02	26	0	
5	QPSK	1	12	24.79	25.18	25.09			
5	QPSK	1	24	24.76	25.12	25.08			
5	QPSK	12	0	23.83	23.98	24.09	25	1	
5	QPSK	12	7	23.88	24.08	24.06			
5	QPSK	12	13	23.87	24.09	24.04			
5	QPSK	25	0	23.81	24.00	24.07	25	1	
5	16QAM	1	0	23.90	24.12	24.17			
5	16QAM	1	12	23.94	24.23	24.35			
5	16QAM	1	24	23.92	24.11	24.06	24	2	
5	16QAM	12	0	22.67	22.99	22.99			
5	16QAM	12	7	22.96	23.07	23.12			
5	16QAM	12	13	22.90	23.06	23.07	24	2	
5	16QAM	25	0	22.88	23.04	23.16			
5	64QAM	1	0	22.62	23.00	23.10			
5	64QAM	1	12	23.08	23.10	22.89	24	2	
5	64QAM	1	24	22.82	23.02	22.98			
5	64QAM	12	0	21.69	22.05	22.06			
5	64QAM	12	7	21.92	22.07	22.06	23	3	
5	64QAM	12	13	21.86	22.09	22.09			
5	64QAM	25	0	21.84	22.07	22.13			
5	256QAM	1	0	19.51	19.83	19.97	21	5	
5	256QAM	1	12	19.65	19.92	19.86			
5	256QAM	1	24	19.67	19.98	19.68			
5	256QAM	12	0	19.67	19.72	20.20	21	5	
5	256QAM	12	7	19.87	19.94	19.93			
5	256QAM	12	13	19.69	20.13	19.65			
5	256QAM	25	0	19.91	19.83	19.81			

Band 38_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.88	24.98	25.03	26	0		
20	QPSK	1	49	25.08	25.20	25.22				
20	QPSK	1	99	25.02	25.12	25.18				
20	QPSK	50	0	23.98	24.09	24.22	25	1		
20	QPSK	50	24	24.22	24.21	24.29				
20	QPSK	50	50	24.13	24.20	24.27				
20	QPSK	100	0	24.06	24.13	24.17	25	1		
20	16QAM	1	0	23.74	23.90	24.27				
20	16QAM	1	49	24.42	24.47	24.10				
20	16QAM	1	99	24.27	24.10	24.23	24	2		
20	16QAM	50	0	22.88	23.13	23.20				
20	16QAM	50	24	23.03	23.16	23.27				
20	16QAM	50	50	23.05	23.20	23.33	24	2		
20	16QAM	100	0	23.13	23.16	23.17				
20	64QAM	1	0	22.52	23.12	23.24				
20	64QAM	1	49	23.21	23.81	23.54	24	2		
20	64QAM	1	99	23.32	23.23	22.99				
20	64QAM	50	0	21.98	22.13	22.08				
20	64QAM	50	24	22.13	22.24	22.27	23	3		
20	64QAM	50	50	22.12	22.27	22.26				
20	64QAM	100	0	22.12	22.16	22.16				
20	256QAM	1	0	19.72	19.82	19.97	21	5		
20	256QAM	1	49	19.74	19.88	19.67				
20	256QAM	1	99	19.78	19.91	19.87				
20	256QAM	50	0	19.73	19.95	20.07	21	5		
20	256QAM	50	24	19.81	19.98	19.80				
20	256QAM	50	50	19.87	20.00	19.97				
20	256QAM	100	0	19.78	19.90	19.84				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	24.72	24.92	25.11	26	0		
15	QPSK	1	37	24.78	25.17	25.00				
15	QPSK	1	74	24.84	24.99	25.00				
15	QPSK	36	0	23.70	23.92	24.03	25	1		
15	QPSK	36	20	23.86	23.99	24.09				
15	QPSK	36	39	23.94	24.04	24.04				
15	QPSK	75	0	23.91	23.94	24.01	25	1		
15	16QAM	1	0	23.68	23.75	23.73				
15	16QAM	1	37	23.84	23.90	23.83				
15	16QAM	1	74	24.11	23.86	23.94	24	2		
15	16QAM	36	0	22.67	22.94	22.93				
15	16QAM	36	20	22.87	22.98	23.04				
15	16QAM	36	39	22.81	23.03	22.94	24	2		
15	16QAM	75	0	22.80	22.95	22.97				
15	64QAM	1	0	22.81	22.85	22.68				
15	64QAM	1	37	23.14	23.29	22.88	24	2		
15	64QAM	1	74	23.07	23.05	22.83				
15	64QAM	36	0	21.78	22.09	21.91				
15	64QAM	36	20	21.90	21.92	22.02	23	3		
15	64QAM	36	39	21.79	22.05	22.07				
15	64QAM	75	0	21.82	21.94	22.04				
15	256QAM	1	0	19.49	19.63	19.77	21	5		
15	256QAM	1	37	19.56	19.98	19.88				
15	256QAM	1	74	19.55	20.04	19.78				
15	256QAM	36	0	19.75	19.75	19.84	21	5		
15	256QAM	36	20	19.90	19.97	19.58				
15	256QAM	36	39	19.87	19.86	20.05				
15	256QAM	75	0	19.75	19.74	19.71				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	24.86	25.09	25.02	26	0		
10	QPSK	1	25	24.91	25.16	25.09				
10	QPSK	1	49	24.90	25.04	25.04				
10	QPSK	25	0	23.88	24.14	24.17	25	1		
10	QPSK	25	12	23.97	24.02	24.10				
10	QPSK	25	25	23.99	24.23	24.10				
10	QPSK	50	0	23.94	24.03	24.18	25	1		
10	16QAM	1	0	24.11	24.26	23.97				
10	16QAM	1	25	23.94	24.26	24.10				
10	16QAM	1	49	24.16	24.15	24.06	24	2		
10	16QAM	25	0	22.83	23.09	23.22				
10	16QAM	25	12	23.01	23.12	23.14				
10	16QAM	25	25	22.95	23.20	23.07	24	2		
10	16QAM	50	0	23.96	23.03	23.07				
10	64QAM	1	0	22.49	22.77	23.19				
10	64QAM	1	25	22.89	23.59	23.00	24	2		
10	64QAM	1	49	22.95	22.94	23.23				
10	64QAM	25	0	21.74	22.06	22.20				
10	64QAM	25	12	22.02	22.16	22.10	23	3		
10	64QAM	25	25	22.04	22.28	22.14				
10	64QAM	50	0	21.94	22.15	22.09				
10	256QAM	1	0	19.58	19.91	19.89	21	5		
10	256QAM	1	25	19.78	19.85	19.48				
10	256QAM	1	49	19.66	19.95	19.84				
10	256QAM	25	0	19.69	19.94	20.04	21	5		
10	256QAM	25	12	19.81	19.76	19.75				
10	256QAM	25	25	19.84	19.89	19.89				
10	256QAM	50	0	19.77	19.97	19.64				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	24.79	25.10	25.02	26	0		
5	QPSK	1	12	24.79	25.18	25.09				
5	QPSK	1	24	24.76	25.12	25.08				
5	QPSK	12	0	23.83	23.98	24.09	25	1		
5	QPSK	12	7	23.88	24.08	24.06				
5	QPSK	12	13	23.87	24.09	24.04				
5	QPSK	25	0	23.81	24.00	24.07	25	1		
5	16QAM	1	0	23.90	24.12	24.17				
5	16QAM	1	12	23.94	24.23	24.35				
5	16QAM	1	24	23.92	24.11	24.06	24	2		
5	16QAM	12	0	22.67	22.99	22.99				
5	16QAM	12	7	22.96	23.07	23.12				
5	16QAM	12	13	22.90	23.06	23.07	24	2		
5	16QAM	25	0	22.88	23.04	23.16				
5	64QAM	1	0	22.62	23.00	23.10				
5	64QAM	1	12	23.08	23.10	22.89	24	2		
5	64QAM	1	24	22.82	23.02	22.98				
5	64QAM	12	0	21.69	22.05	22.06				
5	64QAM	12	7	21.92	22.07	22.06	23	3		
5	64QAM	12	13	21.86	22.09	22.09				
5	64QAM	25	0	21.84	22.07	22.13				
5	256QAM	1	0	19.51	19.83	19.97	21	5		
5	256QAM	1	12	19.52	19.95	19.64				
5	256QAM	1	24	19.67	19.98	19.68				
5	256QAM	12	0	19.67	19.72	20.20	21	5		
5	256QAM	12	7	19.87	19.94	19.93				
5	256QAM	12	13	19.69	20.13	19.65				
5	256QAM	25	0	19.91	19.83	19.81				



Band 41_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	26	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	24.76	24.93	25.00	25.01	24.63	25	1	
20	QPSK	1	49	24.82	24.97	25.12	25.23	25.24			
20	QPSK	1	99	24.75	24.94	25.10	24.98	24.96	25	1	
20	QPSK	50	0	23.82	23.91	24.02	24.07	24.08			
20	QPSK	50	24	23.91	23.99	24.22	24.23	24.26	25	1	
20	QPSK	50	50	23.89	23.96	24.20	24.18	24.17			
20	QPSK	100	0	23.84	23.99	24.13	24.19	24.21	25	1	
20	16QAM	1	0	23.75	23.52	24.34	24.14	23.80			
20	16QAM	1	49	23.57	23.71	23.95	24.22	24.29	24	2	
20	16QAM	1	99	23.64	24.08	24.07	23.88	23.85			
20	16QAM	50	0	22.78	22.88	23.05	23.13	23.06	24	2	
20	16QAM	50	24	22.85	23.05	23.13	23.28	23.18			
20	16QAM	50	50	22.85	23.02	23.15	23.17	23.26	24	2	
20	16QAM	100	0	22.89	22.98	23.09	23.16	23.19			
20	64QAM	1	0	22.63	22.63	22.96	22.90	22.73	24	2	
20	64QAM	1	49	23.01	22.80	23.07	23.22	23.27			
20	64QAM	1	99	22.71	23.32	22.89	22.75	23.16	23	3	
20	64QAM	50	0	21.75	21.92	22.10	22.14	22.15			
20	64QAM	50	24	21.90	21.94	22.15	22.31	22.27	23	3	
20	64QAM	50	50	21.89	22.07	22.12	22.20	22.20			
20	64QAM	100	0	21.93	22.01	22.16	22.16	22.22	21	5	
20	256QAM	1	0	19.41	19.64	19.65	19.88	19.52			
20	256QAM	1	49	19.21	19.40	19.62	19.51	19.59	21	5	
20	256QAM	1	99	19.45	19.61	19.75	19.50	19.54			
20	256QAM	50	0	19.44	19.75	19.83	19.72	19.62	21	5	
20	256QAM	50	24	19.17	19.38	19.68	19.53	19.68			
20	256QAM	50	50	19.49	19.47	19.73	19.63	19.72	21	5	
20	256QAM	100	0	19.36	19.58	19.65	19.63	19.87			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	26	0	
15	QPSK	1	0	24.62	24.56	24.65	24.89	24.59			
15	QPSK	1	37	24.61	24.72	24.79	25.15	25.03	25	1	
15	QPSK	1	74	24.54	24.62	25.08	24.86	24.85			
15	QPSK	36	0	23.64	23.62	23.83	23.97	23.88	25	1	
15	QPSK	36	20	23.65	23.79	23.93	24.08	24.06			
15	QPSK	36	39	23.67	23.76	23.95	23.97	23.99	25	1	
15	QPSK	75	0	23.69	23.79	23.94	24.08	23.95			
15	16QAM	1	0	23.36	23.57	23.96	23.86	23.81	24	2	
15	16QAM	1	37	23.81	23.65	23.62	24.49	24.11			
15	16QAM	1	74	23.74	23.76	23.58	23.76	24.11	24	2	
15	16QAM	36	0	22.74	22.71	22.83	23.00	22.91			
15	16QAM	36	20	22.66	22.79	22.83	23.06	23.05	24	2	
15	16QAM	36	39	22.66	22.76	22.92	23.06	23.02			
15	16QAM	75	0	22.71	22.81	22.87	22.97	23.02	24	2	
15	64QAM	1	0	22.53	22.95	23.03	22.90	22.78			
15	64QAM	1	37	22.84	22.99	22.53	22.79	22.76	23	3	
15	64QAM	1	74	22.79	22.97	22.78	22.72	22.77			
15	64QAM	36	0	21.66	21.63	21.81	21.95	21.96	21	5	
15	64QAM	36	20	21.69	21.85	21.88	22.07	22.03			
15	64QAM	36	39	21.72	21.68	21.95	22.10	21.95	21	5	
15	64QAM	75	0	21.68	21.81	21.91	21.96	21.95			
15	256QAM	1	0	19.29	19.51	19.49	19.84	19.24	21	5	
15	256QAM	1	37	19.55	19.51	19.53	19.84	19.44			
15	256QAM	1	74	19.27	19.63	19.72	19.78	19.33	21	5	
15	256QAM	36	0	19.33	19.45	19.61	19.81	19.69			
15	256QAM	36	20	19.23	19.38	19.73	19.65	19.81	21	5	
15	256QAM	36	39	19.54	19.58	19.80	19.60	19.86			
15	256QAM	75	0	19.43	19.51	19.51	19.61	19.84	26	0	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685	26	0	
10	QPSK	1	0	24.54	24.81	24.95	24.68	24.82			
10	QPSK	1	25	24.78	24.88	24.96	25.02	25.17	25	1	
10	QPSK	1	49	24.69	24.77	25.07	24.85	24.82			
10	QPSK	25	0	23.74	23.70	23.94	24.02	24.08	25	1	
10	QPSK	25	12	23.73	23.88	23.93	24.23	24.09			
10	QPSK	25	25	23.76	23.84	24.02	24.17	23.95	25	1	
10	QPSK	50	0	23.77	23.90	23.99	24.10	24.04			
10	16QAM	1	0	23.91	23.95	23.82	23.86	23.57	25	1	
10	16QAM	1	25	23.47	23.73	24.20	24.21	23.82			
10	16QAM	1	49	23.69	23.72	23.92	23.78	24.05	24	2	
10	16QAM	25	0	22.62	22.75	22.92	23.09	23.07			
10	16QAM	25	12	22.76	22.80	22.85	23.20	23.13	24	2	
10	16QAM	25	25	22.63	22.81	23.10	23.09	23.02			
10	16QAM	50	0	22.77	22.84	22.97	23.16	23.03	24	2	
10	64QAM	1	0	22.82	22.83	23.02	22.51	22.82			
10	64QAM	1	25	22.52	22.86	22.42	23.04	23.00	23	3	
10	64QAM	1	49	23.03	22.82	22.81	22.93	22.58			
10	64QAM	25	0	21.75	21.71	21.91	22.04	22.06	21	5	
10	64QAM	25	12	21.70	21.90	22.06	22.24	22.12			
10	64QAM	25	25	21.65	21.85	22.07	22.11	21.93	21	5	
10	64QAM	50	0	21.72	21.83	22.12	22.10	21.95			
10	256QAM	1	0	19.32	19.59	19.72	19.65	19.25	21	5	
10	256QAM	1	25	19.31	19.60	19.70	19.48	19.44			
10	256QAM	1	49	19.58	19.64	19.66	19.65	19.49	21	5	
10	256QAM	25	0	19.49	19.63	19.54	19.77	19.49			
10	256QAM	25	12	19.34	19.49	19.50	19.33	19.70	21	5	
10	256QAM	25	25	19.64	19.33	19.89	19.50	19.81			
10	256QAM	50	0	19.58	19.54	19.86	19.63	19.86	26	0	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	26	0	
5	QPSK	1	0	24.81	24.89	24.91	25.18	25.06			
5	QPSK	1	12	24.86	24.99	25.06	25.21	25.12	25	1	
5	QPSK	1	24	24.84	25.02	25.11	25.18	25.06			
5	QPSK	12	0	23.82	23.89	24.03	24.21	24.20	25	1	
5	QPSK	12	7	23.81	24.06	24.12	24.38	24.21			
5	QPSK	12	13	23.76	23.88	24.05	24.29	24.21	25	1	
5	QPSK	25	0	23.86	23.94	24.15	24.32	24.15			
5	16QAM	1	0	23.69	23.68	23.70	24.27	24.13	25	1	
5	16QAM	1	12	24.07	23.80	24.36	24.05	24.18			
5	16QAM	1	24	23.78	24.21	23.99	24.05	24.12	24	2	
5	16QAM	12	0	22.82	22.96	23.09	23.21	23.23			
5	16QAM	12	7	22.81	22.94	23.19	23.24	23.19	24	2	
5	16QAM	12	13	22.80	22.90	23.05	23.11	23.13			
5	16QAM	25	0	22.74	22.80	23.13	23.28	23.25	24	2	
5	64QAM	1	0	22.78	22.66	22.84	22.98	22.86			
5	64QAM	1	12	22.63	22.80	23.01	22.91	22.87	24	2	
5	64QAM	1	24	22.63	22.74	23.07	23.08	22.96			
5	64QAM	12	0	21.84	22.04	22.00	22.21	22.18	23	3	
5	64QAM	12	7	21.90	21.78	22.17	22.26	22.26			
5	64QAM	12	13	21.86	21.85	21.99	22.23	22.13	23	3	
5	64QAM	25	0	21.85	22.06	22.10	22.26	22.14			
5	256QAM	1	0	19.44	19.36	19.53	19.73	19.43	21	5	
5	256QAM	1	12	19.36	19.42	19.68	19.78	19.54			
5	256QAM	1	24	19.43	19.53	19.64	19.62	19.40	21	5	
5	256QAM	12	0	19.33	19.40	19.50	19.83	19.50			
5	256QAM	12	7	19.40	19.32	19.81	19.45	19.62	21	5	
5	256QAM	12	13	19.74	19.40	19.67	19.47	19.62			
5	256QAM	25	0	19.47	19.75	19.67	19.74	19.61			

Band 41_Ant 2											
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	26	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	24.76	24.93	25.00	25.01	24.63			
20	QPSK	1	49	24.82	24.97	25.12	25.23	25.24	25	1	
20	QPSK	1	99	24.75	24.94	25.10	24.98	24.96			
20	QPSK	50	0	23.82	23.91	24.02	24.07	24.08			
20	QPSK	50	24	23.91	23.99	24.22	24.23	24.26	25	1	
20	QPSK	50	50	23.89	23.96	24.20	24.18	24.17			
20	QPSK	100	0	23.84	23.99	24.13	24.19	24.21			
20	16QAM	1	0	23.75	23.52	24.34	24.14	23.80	25	1	
20	16QAM	1	49	23.57	23.71	23.95	24.22	24.29			
20	16QAM	1	99	23.64	24.08	24.07	23.88	23.85			
20	16QAM	50	0	22.78	22.88	23.05	23.13	23.06	24	2	
20	16QAM	50	24	22.85	23.05	23.13	23.28	23.18			
20	16QAM	50	50	22.85	23.02	23.15	23.17	23.26			
20	16QAM	100	0	22.89	22.98	23.09	23.16	23.19	24	2	
20	64QAM	1	0	22.63	22.63	22.96	22.90	22.73			
20	64QAM	1	49	23.01	22.80	23.07	23.22	23.27			
20	64QAM	1	99	22.71	23.32	22.89	22.75	23.16	23	3	
20	64QAM	50	0	21.75	21.92	22.10	22.14	22.15			
20	64QAM	50	24	21.90	21.94	22.15	22.31	22.27			
20	64QAM	50	50	21.89	22.07	22.12	22.20	22.20	21	5	
20	64QAM	100	0	21.93	22.01	22.16	22.16	22.22			
20	256QAM	1	0	19.41	19.64	19.65	19.88	19.52			
20	256QAM	1	49	19.21	19.40	19.62	19.51	19.59	21	5	
20	256QAM	1	99	19.45	19.61	19.75	19.50	19.54			
20	256QAM	50	0	19.44	19.75	19.83	19.72	19.62			
20	256QAM	50	24	19.17	19.38	19.68	19.53	19.68	21	5	
20	256QAM	50	50	19.49	19.47	19.73	19.63	19.72			
20	256QAM	100	0	19.36	19.58	19.65	19.63	19.87			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	24.62	24.56	24.65	24.89	24.59	26	0	
15	QPSK	1	37	24.61	24.72	24.79	25.15	25.03			
15	QPSK	1	74	24.54	24.62	24.78	24.96	24.85			
15	QPSK	36	0	23.64	23.62	23.83	23.97	23.88	25	1	
15	QPSK	36	20	23.65	23.79	23.93	24.08	24.06			
15	QPSK	36	39	23.67	23.76	23.95	23.97	23.99			
15	QPSK	75	0	23.69	23.79	23.94	24.08	23.95	25	1	
15	16QAM	1	0	23.36	23.57	23.96	23.86	23.81			
15	16QAM	1	37	23.81	23.65	23.62	24.49	24.19			
15	16QAM	1	74	23.74	23.76	23.58	23.76	24.11	24	2	
15	16QAM	36	0	22.74	22.71	22.83	23.00	22.91			
15	16QAM	36	20	22.66	22.70	22.83	23.06	23.05			
15	16QAM	36	39	22.66	22.76	22.92	23.06	23.02	24	2	
15	16QAM	75	0	22.71	22.81	22.87	22.97	23.02			
15	64QAM	1	0	22.53	22.95	23.03	22.90	22.78			
15	64QAM	1	37	22.84	22.99	22.53	22.79	22.76	23	3	
15	64QAM	1	74	22.79	22.97	22.78	22.72	22.77			
15	64QAM	36	0	21.66	21.63	21.81	21.95	21.96			
15	64QAM	36	20	21.69	21.85	21.88	22.07	22.03	21	5	
15	64QAM	36	39	21.72	21.68	21.95	22.10	21.95			
15	64QAM	75	0	21.68	21.81	21.91	21.96	21.95			
15	256QAM	1	0	19.29	19.51	19.49	19.84	19.24	21	5	
15	256QAM	1	37	19.55	19.51	19.53	19.84	19.44			
15	256QAM	1	74	19.27	19.63	19.72	19.78	19.33			
15	256QAM	36	0	19.33	19.45	19.61	19.81	19.69	21	5	
15	256QAM	36	20	19.23	19.38	19.73	19.65	19.81			
15	256QAM	36	39	19.54	19.58	19.80	19.60	19.86			
15	256QAM	75	0	19.43	19.51	19.51	19.61	19.84	Tune-up limit (dBm)	MPR (dB)	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	24.54	24.81	24.95	24.68	24.82	26	0	
10	QPSK	1	25	24.78	24.88	24.96	25.02	25.17			
10	QPSK	1	49	24.69	24.77	25.07	24.85	24.82			
10	QPSK	25	0	23.74	23.70	23.94	24.02	24.08	25	1	
10	QPSK	25	12	23.73	23.88	23.93	24.23	24.09			
10	QPSK	25	25	23.76	23.84	24.02	24.17	23.95			
10	QPSK	50	0	23.77	23.90	23.99	24.10	24.04	25	1	
10	16QAM	1	0	23.91	23.95	23.82	23.86	23.57			
10	16QAM	1	25	23.47	23.73	24.20	24.21	23.82			
10	16QAM	1	49	23.69	23.72	23.92	23.78	24.05	24	2	
10	16QAM	25	0	22.62	22.75	22.92	23.09	23.07			
10	16QAM	25	12	22.76	22.80	22.85	23.20	23.13			
10	16QAM	25	25	22.63	22.81	23.10	23.09	23.02	24	2	
10	16QAM	50	0	22.77	22.84	22.97	23.16	23.03			
10	64QAM	1	0	22.82	22.83	23.02	22.51	22.82			
10	64QAM	1	25	22.52	22.86	22.42	23.04	23.00	23	3	
10	64QAM	1	49	23.03	22.82	22.81	22.93	22.58			
10	64QAM	25	0	21.75	21.71	21.91	22.04	22.06			
10	64QAM	25	12	21.70	21.90	22.06	22.24	22.12	21	5	
10	64QAM	25	25	21.65	21.85	22.07	22.11	21.93			
10	64QAM	50	0	21.72	21.83	22.12	22.10	21.95			
10	256QAM	1	0	19.32	19.59	19.72	19.65	19.25	21	5	
10	256QAM	1	25	19.31	19.60	19.70	19.48	19.44			
10	256QAM	1	49	19.58	19.64	19.66	19.65	19.49			
10	256QAM	25	0	19.49	19.63	19.54	19.77	19.49	21	5	
10	256QAM	25	12	19.34	19.49	19.50	19.33	19.70			
10	256QAM	25	25	19.64	19.33	19.89	19.50	19.81			
10	256QAM	50	0	19.50	19.54	19.86	19.63	19.86	Tune-up limit (dBm)	MPR (dB)	
Channel				39675	40148	40630	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	24.81	24.89	24.91	25.18	25.06	26	0	
5	QPSK	1	12	24.86	24.99	25.06	25.21	25.12			
5	QPSK	1	24	24.84	25.02	25.11	25.18	25.06			
5	QPSK	12	0	23.82	23.89	24.03	24.21	24.20	25	1	
5	QPSK	12	7	23.81	24.06	24.12	24.38	24.21			
5	QPSK	12	13	23.76	23.88	24.05	24.29	24.21			
5	QPSK	25	0	23.86	23.94	24.15	24.32	24.15	25	1	
5	16QAM	1	0	23.69	23.68	23.70	24.27	24.13			
5	16QAM	1	12	24.07	23.80	24.36	24.05	24.18			
5	16QAM	1	24	23.78	24.21	23.99	24.05	24.12	24	2	
5	16QAM	12	0	22.82	22.96	23.09	23.21	23.23			
5	16QAM	12	7	22.81	22.94	23.19	23.24	23.19			
5	16QAM	12	13	22.80	22.90	23.05	23.11	23.13	23	3	
5	16QAM	25	0	22.74	22.80	23.13	23.28	23.25			
5	64QAM	1	0	22.78	22.66	22.84	22.98	22.86			
5	64QAM	1	12	22.63	22.80	23.01	22.91	22.87	24	2	
5	64QAM	1	24	22.63	22.74	22.96	23.02	22.96			
5	64QAM	12	0	21.84	22.04	22.00	22.21	22.24			
5	64QAM	12	7	21.90	21.78	22.17	22.25	22.24	23	3	
5	64QAM	12	13	21.86	21.85	21.99	22.23	22.13			
5	64QAM	25	0	21.85	22.06	22.10	22.26	22.14			
5	256QAM	1	0	19.44	19.36	19.53	19.73	19.43	21	5	
5	256QAM	1	12	19.36	19.42	19.68	19.78	19.54			
5	256QAM	1	24	19.43	19.53	19.64	19.62	19.40			
5	256QAM	12	0	19.33	19.40	19.50	19.83	19.50	21	5	
5	256QAM	12	7	19.40	19.32	19.81	19.45	19.62			
5	256QAM	12	13	19.74	19.40	19.67	19.47	19.62			
5	256QAM	25	0	19.47	19.75	19.67	19.74	19.61			



WWAN Power for State 10

GSM900_Ant 0	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	32.76	32.50	32.88	34.00	23.76	23.50	23.88	25.00
GPRS 1 Tx slot	32.77	32.52	32.89	34.00	23.77	23.52	23.89	25.00
GPRS 2 Tx slots	32.76	32.45	32.83	34.00	26.76	26.45	26.83	28.00
EDGE 1 Tx slot	26.58	26.62	26.73	29.00	17.58	17.62	17.73	20.00
EDGE 2 Tx slots	26.50	26.57	26.72	29.00	20.50	20.57	20.72	23.00

GSM1900_Ant 1	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	30.07	30.02	30.10	31.00	21.07	21.02	21.10	22.00
GPRS 1 Tx slot	30.05	30.00	30.08	31.00	21.05	21.00	21.08	22.00
GPRS 2 Tx slots	29.84	29.88	29.89	31.00	23.84	23.88	23.89	25.00
EDGE 1 Tx slot	25.23	25.48	25.64	28.00	16.23	16.48	16.64	19.00
EDGE 2 Tx slots	25.16	25.41	25.52	28.00	19.16	19.41	19.52	22.00

GSM1900_Ant 2	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	30.07	30.02	30.10	31.00	21.07	21.02	21.10	22.00
GPRS 1 Tx slot	30.05	30.00	30.08	31.00	21.05	21.00	21.08	22.00
GPRS 2 Tx slots	29.84	29.88	29.89	31.00	23.84	23.88	23.89	25.00
EDGE 1 Tx slot	25.23	25.48	25.64	28.00	16.23	16.48	16.64	19.00
EDGE 2 Tx slots	25.16	25.41	25.52	28.00	19.16	19.41	19.52	22.00

Band		WCDMA IV_Ant 1			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)
TX Channel		9692	9600	9638		9692	9600	9638	
Rx Channel		9692	9600	9638		9692	9600	9638	
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	25.15	25.08	25.16	25.50	25.15	25.08	25.16	25.50
3GPP Rel 99	RMC 12.2Kbps	25.17	25.11	25.19	25.50	25.17	25.11	25.19	25.50
3GPP Rel 6	HSDPA Subtest-1	23.96	23.92	24.03	24.50	23.96	23.92	24.03	24.50
3GPP Rel 6	HSDPA Subtest-2	23.96	23.94	24.02	24.50	23.96	23.94	24.02	24.50
3GPP Rel 6	HSDPA Subtest-3	23.49	23.42	23.50	24.00	23.49	23.42	23.50	24.00
3GPP Rel 6	HSDPA Subtest-4	23.46	23.43	23.49	24.00	23.46	23.43	23.49	24.00
3GPP Rel 6	DC-HSDPA Subtest-1	23.88	23.84	23.96	24.50	23.88	23.84	23.96	24.50
3GPP Rel 6	DC-HSDPA Subtest-2	23.85	23.80	23.93	24.50	23.85	23.80	23.93	24.50
3GPP Rel 6	DC-HSDPA Subtest-3	23.37	23.35	23.43	24.00	23.37	23.35	23.43	24.00
3GPP Rel 6	DC-HSDPA Subtest-4	23.36	23.36	23.41	24.00	23.36	23.36	23.41	24.00
3GPP Rel 6	HSUPA Subtest-1	23.90	23.97	24.06	24.50	23.90	23.97	24.06	24.50
3GPP Rel 6	HSUPA Subtest-2	21.99	22.01	22.08	22.50	21.99	22.01	22.08	22.50
3GPP Rel 6	HSUPA Subtest-3	23.04	22.96	23.09	23.50	23.04	22.96	23.09	23.50
3GPP Rel 6	HSUPA Subtest-4	22.05	22.02	22.13	22.50	22.05	22.02	22.13	22.50
3GPP Rel 6	HSUPA Subtest-5	24.10	24.00	24.10	24.50	24.10	24.00	24.10	24.50

Band		WCDMA IV_Ant 1			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)
TX Channel		1512	1413	1513		1312	1413	1513	
Rx Channel		1537	1638	1738		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.8		1712.4	1732.6	1752.8	
3GPP Rel 99	AMR 12.2Kbps	25.27	25.02	25.00	25.50	25.27	25.02	25.00	25.50
3GPP Rel 99	RMC 12.2Kbps	25.30	25.04	25.02	25.50	25.30	25.04	25.02	25.50
3GPP Rel 6	HSDPA Subtest-1	24.07	23.87	23.80	24.50	24.07	23.87	23.80	24.50
3GPP Rel 6	HSDPA Subtest-2	24.04	23.88	23.78	24.50	24.04	23.88	23.78	24.50
3GPP Rel 6	HSDPA Subtest-3	23.80	23.35	23.29	24.00	23.80	23.35	23.29	24.00
3GPP Rel 6	HSDPA Subtest-4	23.96	23.33	23.30	24.00	23.96	23.33	23.30	24.00
3GPP Rel 6	DC-HSDPA Subtest-1	23.80	23.76	23.71	24.50	23.80	23.76	23.71	24.50
3GPP Rel 6	DC-HSDPA Subtest-2	23.91	23.79	23.67	24.50	23.91	23.79	23.67	24.50
3GPP Rel 6	DC-HSDPA Subtest-3	23.51	23.23	23.14	24.00	23.51	23.23	23.14	24.00
3GPP Rel 6	DC-HSDPA Subtest-4	23.48	23.25	23.15	24.00	23.48	23.25	23.15	24.00
3GPP Rel 6	HSUPA Subtest-1	24.10	23.91	23.90	24.50	24.10	23.91	23.90	24.50
3GPP Rel 6	HSUPA Subtest-2	22.14	21.93	21.84	22.50	22.14	21.93	21.84	22.50
3GPP Rel 6	HSUPA Subtest-3	23.11	22.94	22.88	23.50	23.11	22.94	22.88	23.50
3GPP Rel 6	HSUPA Subtest-4	22.14	21.92	21.90	22.50	22.14	21.92	21.90	22.50
3GPP Rel 6	HSUPA Subtest-5	24.10	23.90	23.90	24.50	24.10	23.90	23.90	24.50

Band		WCDMA IV_Ant 0			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)
TX Channel		4132	4182	4233		4132	4182	4233	
Rx Channel		4357	4407	4458		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.79	24.75	24.81	25.50	24.79	24.75	24.81	25.50
3GPP Rel 99	RMC 12.2Kbps	24.80	24.77	24.87	25.50	24.80	24.77	24.87	25.50
3GPP Rel 6	HSDPA Subtest-1	23.73	23.70	23.77	24.50	23.73	23.70	23.77	24.50
3GPP Rel 6	HSDPA Subtest-2	23.75	23.74	23.77	24.50	23.75	23.74	23.77	24.50
3GPP Rel 6	HSDPA Subtest-3	23.27	23.24	23.25	24.00	23.27	23.24	23.25	24.00
3GPP Rel 6	HSDPA Subtest-4	23.23	23.18	23.20	24.00	23.23	23.18	23.20	24.00
3GPP Rel 6	DC-HSDPA Subtest-1	23.69	23.67	23.77	24.50	23.69	23.67	23.77	24.50
3GPP Rel 6	DC-HSDPA Subtest-2	23.68	23.68	23.68	24.50	23.68	23.68	23.68	24.50
3GPP Rel 6	DC-HSDPA Subtest-3	23.18	23.16	23.21	24.00	23.18	23.16	23.21	24.00
3GPP Rel 6	DC-HSDPA Subtest-4	23.17	23.11	23.11	24.00	23.17	23.11	23.11	24.00
3GPP Rel 6	HSUPA Subtest-1	23.74	23.71	23.78	24.50	23.74	23.71	23.78	24.50
3GPP Rel 6	HSUPA Subtest-2	21.75	21.72	21.78	22.50	21.75	21.72	21.78	22.50
3GPP Rel 6	HSUPA Subtest-3	22.75	22.71	22.83	23.50	22.75	22.71	22.83	23.50
3GPP Rel 6	HSUPA Subtest-4	21.75	21.71	21.80	22.50	21.75	21.71	21.80	22.50
3GPP Rel 6	HSUPA Subtest-5	23.70	23.70	23.80	24.50	23.70	23.70	23.80	24.50



Band 2_Ant 1									
BW (MHz)	Modulation	RF Sub	RF Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Turn-on time (sec)	APRS (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.48	24.37	24.38			
20	QPSK	1	40	24.41	24.40	24.35	20	0	
20	QPSK	1	50	23.47	23.37	23.48			
20	QPSK	50	24	23.52	23.44	23.55			
20	QPSK	50	30	23.47	23.41	23.50	25	1	
20	QPSK	100	0	23.49	23.42	23.50			
20	16QAM	1	5	23.77	23.68	23.71			
20	16QAM	1	40	23.63	23.62	23.63	25	1	
20	16QAM	1	50	23.68	23.61	23.63			
20	16QAM	50	5	22.50	22.49	22.50			
20	16QAM	50	24	22.50	22.49	22.50			
20	16QAM	50	30	22.46	22.41	22.57	24	2	
20	16QAM	100	0	22.52	22.49	22.50			
20	8QAM	1	0	22.60	22.64	22.61			
20	8QAM	1	40	22.76	22.65	22.60			
20	8QAM	1	50	22.50	22.54	22.52			
20	8QAM	50	5	21.46	21.39	21.51			
20	8QAM	50	24	21.50	21.45	21.50			
20	8QAM	50	30	21.47	21.41	21.56	25	3	
20	8QAM	100	0	21.51	21.42	21.51			
20	25QAM	1	0	19.81	19.79	19.86			
20	25QAM	1	40	19.83	19.80	19.72	21	5	
20	25QAM	1	50	19.88	19.71	19.93			
20	25QAM	50	5	18.80	18.77	18.83			
20	25QAM	50	24	18.87	18.87	18.88			
20	25QAM	50	30	18.90	18.73	18.98	21	5	
20	25QAM	100	0	18.92	18.71	18.96			
Channel									
Frequency (MHz)									
16	QPSK	1	0	24.38	24.32	24.43			
16	QPSK	1	20	24.38	24.40	24.31	20	0	
16	QPSK	1	74	24.38	24.30	24.46			
16	QPSK	36	5	23.44	23.36	23.49			
16	QPSK	36	24	23.47	23.41	23.57			
16	QPSK	36	30	23.38	23.41	23.36	25	1	
16	QPSK	75	0	23.47	23.41	23.57			
16	16QAM	1	5	23.71	23.71	23.70			
16	16QAM	1	37	23.68	23.67	23.70	25	1	
16	16QAM	1	50	23.61	23.60	23.62			
16	16QAM	36	5	22.47	22.38	22.51			
16	16QAM	36	25	22.49	22.43	22.59			
16	16QAM	75	0	22.43	22.44	22.37			
16	8QAM	1	0	21.61	21.60	21.62			
16	8QAM	1	37	21.60	21.59	21.61	24	2	
16	8QAM	1	50	21.54	21.56	21.58			
16	8QAM	36	5	21.46	21.47	21.45	25	3	
16	8QAM	36	25	21.45	21.41	21.51			
16	8QAM	75	0	21.42	21.44	21.39			
16	25QAM	1	0	19.80	19.80	19.80			
16	25QAM	1	37	19.80	19.81	19.80	21	5	
16	25QAM	1	74	19.80	19.79	19.84			
16	25QAM	36	5	18.80	18.80	18.80			
16	25QAM	36	25	18.80	18.80	18.80			
16	25QAM	36	30	18.80	18.80	18.80	21	5	
16	25QAM	75	0	18.79	18.79	18.80			
Channel									
Frequency (MHz)									
10	QPSK	1	5	24.38	24.32	24.43			
10	QPSK	1	20	24.38	24.34	24.32	20	0	
10	QPSK	1	40	24.37	24.37	24.38			
10	QPSK	1	74	24.37	24.36	24.38			
10	QPSK	36	5	23.43	23.34	23.50			
10	QPSK	36	24	23.43	23.44	23.39			
10	QPSK	36	30	23.37	23.37	23.32	25	1	
10	QPSK	75	0	23.43	23.36	23.50			
10	16QAM	1	5	23.70	23.62	23.65			
10	16QAM	1	25	23.68	23.70	23.67	25	1	
10	16QAM	1	50	23.61	23.60	23.62			
10	16QAM	36	5	22.42	22.38	22.52			
10	16QAM	36	25	22.48	22.42	22.58			
10	16QAM	75	0	22.48	22.49	22.46	24	2	
10	8QAM	1	0	21.61	21.60	21.62			
10	8QAM	1	37	21.60	21.59	21.61	24	2	
10	8QAM	1	50	21.54	21.56	21.58			
10	8QAM	36	5	21.46	21.47	21.45	25	3	
10	8QAM	36	25	21.45	21.41	21.51			
10	25QAM	1	0	19.80	19.80	19.80			
10	25QAM	1	37	19.80	19.81	19.80	21	5	
10	25QAM	1	74	19.80	19.79	19.84			
10	25QAM	36	5	18.80	18.80	18.80			
10	25QAM	36	25	18.80	18.80	18.80			
10	25QAM	36	30	18.80	18.80	18.80	21	5	
10	25QAM	75	0	18.79	18.79	18.80			
Channel									
Frequency (MHz)									
5	QPSK	1	5	24.38	24.32	24.43			
5	QPSK	1	12	24.37	24.34	24.32	20	0	
5	QPSK	1	24	24.30	24.29	24.30			
5	QPSK	1	40	24.37	24.37	24.38			
5	QPSK	36	5	23.43	23.34	23.50			
5	QPSK	36	24	23.43	23.44	23.39			
5	QPSK	36	30	23.37	23.37	23.32	25	1	
5	QPSK	75	0	23.43	23.36	23.50			
5	16QAM	1	5	23.70	23.62	23.65			
5	16QAM	1	25	23.68	23.70	23.67	25	1	
5	16QAM	1	50	23.61	23.60	23.62			
5	16QAM	36	5	22.42	22.38	22.52			
5	16QAM	36	25	22.48	22.42	22.58			
5	16QAM	75	0	22.48	22.49	22.46	24	2	
5	8QAM	1	0	21.61	21.60	21.62			
5	8QAM	1	37	21.60	21.59	21.61	24	2	
5	8QAM	1	50	21.54	21.56	21.58			
5	8QAM	36	5	21.46	21.47	21.45	25	3	
5	8QAM	36	25	21.45	21.41	21.51			
5	25QAM	1	0	19.80	19.80	19.80			
5	25QAM	1	37	19.80	19.81	19.80	21	5	
5	25QAM	1	74	19.80	19.79	19.84			
5	25QAM	36	5	18.80	18.80	18.80			
5	25QAM	36	25	18.80	18.80	18.80			
5	25QAM	36	30	18.80	18.80	18.80	21	5	
5	25QAM	75	0	18.79	18.79	18.80			
Channel									
Frequency (MHz)									
3	QPSK	1	5	24.38	24.32	24.43			
3	QPSK	1	6	24.38	24.34	24.32	20	0	
3	QPSK	1	14	24.30	24.29	24.30			
3	QPSK	1	24	24.37	24.37	24.38			
3	QPSK	36	5	23.43	23.34	23.50			
3	QPSK	36	24	23.43	23.44	23.39			
3	QPSK	36	30	23.37	23.37	23.32	25	1	
3	QPSK	75	0	23.43	23.36	23.50			
3	16QAM	1	5	23.70	23.62	23.65			
3	16QAM	1	6	23.74	23.77	23.67	25	1	
3	16QAM	1	14	23.68	23.67	23.69			
3	16QAM	36	5	22.42	22.38	22.52			
3	16QAM	36	25	22.48	22.42	22.58			
3	16QAM	75	0	22.48	22.49	22.46	24	2	
3	8QAM	1	0	21.61	21.60	21.62			
3	8QAM	1	37	21.60	21.59	21.61	24	2	
3	8QAM	1	50	21.54	21.56	21.58			
3	8QAM	36	5	21.46	21.47	21.45	25	3	
3	8QAM	36	25	21.45	21.41	21.51			
3	25QAM	1	0	19.80	19.80	19.80			
3	25QAM	1	37	19.80	19.81	19.80	21	5	
3	25QAM	1	74	19.80	19.79	19.84			
3	25QAM	36	5	18.80	18.80	18.80			
3	25QAM	36	25	18.80	18.80	18.80			
3	25QAM	36	30	18.80	18.80	18.80	21	5	
3	25QAM	75	0	18.79	18.79	18.80			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.20	24.30	24.51			
1.4	QPSK	1	24	24.21	24.22	24.24	20	0	
1.4	QPSK	1	36	24.21	24.22	24.24			
1.4	QPSK	3	0	24.30	24.34	24.50			
1.4	QPSK	3	24	24.30	24.32	24.47			
1.4	QPSK	3	36	24.28	24.32	24.47			
1.4	QPSK	6	0	24.29	24.29	24.34	20	1	
1.4	QPSK	6	24	24.30	24.33	24.46			
1.4	QPSK	6	36	24.30	24.31	24.38			
1.4	QPSK	12	0	24.37	24.37	24.42			
1.4	QPSK	12	24	24.37	24.37	24.42			
1.4	QPSK	12	36	24.37	24.37	24.42			
1.4	QPSK	24	0	24.42	24.42	24.47			
1.4	QPSK	24	24	24.42	24.42	24.47			
1.4	QPSK	24	36	24.42	24.42	24.47			
1.4	QPSK	36	0	24.47	24.47	24.53			
1.4	QPSK	36	24	24.47	24.47	24.53			
1.4	QPSK	36	36	24.47	24.47	24.53			
1.4	QPSK	48	0	24.50	24.44	24.65			
1.4	QPSK	48	24	24.50	24.43	24.62			
1.4	QPSK	48	36	24.50	24.41	24.62	20	3	
1.4	QPSK	72	0	24.53	24.53	24.58			
1.4	QPSK	72	24	24.53	24.53	24.58			
1.4	QPSK	72	36	24.53	24.53	24.58			
1.4	QPSK	96	0	24.58	24.58	24.64			
1.4	QPSK	96	24	24.58	24.58	24.64			
1.4	QPSK	96	36	24.58	24.58	24.64			
1.4	QPSK	144	0	24.62	24.62	24.70			
1.4	QPSK	144	24	24.62	24.62	24.70			



Band 5_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Level Ch./Freq.	Power Level Ch./Freq.	Time-out (sec)	MFR (dB)	MFR (dB)			
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.47	24.51	24.58	26	0				
10	QPSK	1	25	24.52	24.52	24.67						
10	QPSK	1	49	24.52	24.58	24.67	26	0				
10	QPSK	25	0	23.53	23.60	23.67						
10	QPSK	25	12	23.53	23.61	23.73	25	1				
10	QPSK	25	25	23.58	23.63	23.71						
10	QPSK	50	0	23.59	23.66	23.69	25	1				
10	QPSK	50	5	23.58	23.66	23.69						
10	QPSK	1	25	23.51	23.64	24.58	24	2				
10	QPSK	1	49	23.62	24.02	24.59						
10	QPSK	25	0	22.60	22.61	22.71	24	2				
10	QPSK	25	12	22.59	22.60	22.71						
10	QPSK	25	25	22.60	22.69	22.78	23	3				
10	QPSK	50	0	22.60	22.69	22.71						
10	QPSK	1	0	22.62	22.73	22.83	24	2				
10	QPSK	1	25	22.72	22.83	22.92						
10	QPSK	1	49	22.76	22.81	22.93	23	3				
10	QPSK	25	0	21.80	21.81	21.76						
10	QPSK	25	12	21.80	21.83	21.71	21	5				
10	QPSK	25	25	21.81	21.88	21.74						
10	QPSK	50	0	21.81	21.87	21.70	21	5				
10	QPSK	50	5	21.80	21.88	21.84						
10	QPSK	1	25	20.71	20.74	20.82	21	5				
10	QPSK	1	49	19.98	19.99	20.11						
10	QPSK	25	0	19.98	19.98	19.95	21	5				
10	QPSK	25	12	19.98	19.92	19.85						
10	QPSK	25	25	19.98	19.90	19.88	20	6				
10	QPSK	50	0	19.98	19.90	19.88						
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.41	24.45	24.50	26	0				
5	QPSK	1	24	24.47	24.55	24.68						
5	QPSK	1	14	24.39	24.47	24.61	26	0				
5	QPSK	12	0	23.41	23.52	23.69						
5	QPSK	8	4	23.53	23.62	23.67	25	1				
5	QPSK	8	7	23.51	23.61	23.72						
5	QPSK	8	7	23.51	23.57	23.72	25	1				
5	QPSK	25	0	23.48	23.57	23.65						
5	QPSK	1	0	23.77	23.77	23.83	23	3				
5	QPSK	1	9	23.80	23.89	24.14						
5	QPSK	1	9	23.80	23.89	24.14	23	3				
5	QPSK	8	4	23.62	23.72	23.77						
5	QPSK	8	4	23.62	23.72	23.77	22	7				
5	QPSK	15	0	22.55	22.60	22.68						
5	QPSK	1	0	22.62	22.65	22.96	24	2				
5	QPSK	1	9	22.68	22.78	23.02						
5	QPSK	1	14	22.77	22.81	22.96	23	3				
5	QPSK	1	9	21.58	21.55	21.70						
5	QPSK	1	9	21.58	21.55	21.70	23	3				
5	QPSK	8	7	21.54	21.61	21.73						
5	QPSK	15	0	21.55	21.62	21.68	23	3				
5	QPSK	15	9	21.68	21.71	21.72						
5	QPSK	1	0	20.92	20.98	21.17	21	5				
5	QPSK	1	14	20.94	20.96	21.04						
5	QPSK	1	14	20.94	20.96	21.04	21	5				
5	QPSK	8	4	20.11	20.11	20.65						
5	QPSK	1	7	19.92	19.97	19.99	21	5				
5	QPSK	15	15	19.98	19.98	20.00						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	24.48	24.48	24.48	26	0				
1.4	QPSK	1	3	24.46	24.53	24.63						
1.4	QPSK	1	3	24.44	24.53	24.63	26	0				
1.4	QPSK	3	0	24.48	24.54	24.65						
1.4	QPSK	3	1	24.49	24.53	24.64	25	1				
1.4	QPSK	3	3	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	25	1				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	24	2				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	23	3				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24.68	21	5				
1.4	QPSK	3	1	24.49	24.57	24.68						
1.4	QPSK	3	1	24.49	24.57	24						



Band 12_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Ch. Freq./Freq.	Power Ref./Ch./Ch. Freq./Freq.	Power Ref./Ch./Ch. Freq./Freq.	Time-use (sec/100)	MFR (dB)			
Channel											
Frequency (MHz)				2305.5	2306.5	2310.5					
16	QPSK	1	0	24.09	24.07	24.13	26	0			
16	QPSK	1	26	24.15	24.21	24.28					
16	QPSK	1	48	24.23	24.29	24.36					
16	QPSK	25	0	23.16	23.17	23.23					
16	QPSK	25	12	23.21	23.20	23.30	25	1			
16	QPSK	25	25	23.26	23.29	23.30					
16	QPSK	50	0	23.25	23.26	23.35					
16	16QAM	1	0	23.96	23.96	23.93					
16	16QAM	1	25	23.58	23.54	23.63	25	1			
16	16QAM	1	48	23.71	23.70	23.70					
16	16QAM	25	0	23.22	23.20	23.29					
16	16QAM	25	12	23.22	23.21	23.31					
16	16QAM	25	25	23.26	23.30	23.40	24	2			
16	16QAM	50	0	23.28	23.28	23.28					
16	16QAM	1	0	23.29	23.32	23.42					
16	16QAM	1	25	22.64	22.67	22.50					
16	16QAM	1	48	22.50	22.56	22.50	24	2			
16	16QAM	25	0	21.59	21.51	21.24					
16	16QAM	25	12	21.59	21.50	21.29					
16	16QAM	25	25	21.58	21.56	21.38					
16	16QAM	50	0	21.29	21.29	21.38	23	3			
16	16QAM	1	0	19.64	19.64	19.30					
16	16QAM	1	25	19.63	19.53	19.61					
16	16QAM	1	48	19.42	19.48	19.18					
Channel											
Frequency (MHz)				761.5	767.5	773.5	Time-use (sec/100)	MFR (dB)			
6	QPSK	1	0	24.16	24.13	24.28	26	0			
6	QPSK	1	12	24.04	24.07	24.10					
6	QPSK	1	24	24.29	24.23	24.30					
6	QPSK	12	0	23.16	23.18	23.28					
6	QPSK	12	7	23.09	23.07	23.38	25	1			
6	QPSK	12	13	23.22	23.24	23.35					
6	QPSK	25	0	23.22	23.24	23.38					
6	16QAM	1	0	23.48	23.48	23.63					
6	16QAM	1	12	23.09	23.03	23.63	25	1			
6	16QAM	1	24	23.28	23.35	23.68					
6	16QAM	12	0	23.22	23.21	23.33					
6	16QAM	12	7	22.31	22.32	22.45					
6	16QAM	25	0	23.28	23.27	23.37	24	2			
6	16QAM	1	0	22.37	22.44	22.80					
6	16QAM	1	24	22.44	22.44	22.56					
6	16QAM	12	7	21.30	21.32	21.41					
6	16QAM	12	13	21.24	21.29	21.40	23	3			
6	16QAM	12	13	21.25	21.26	21.40					
6	16QAM	25	0	21.25	21.26	21.40					
6	16QAM	25	0	19.38	19.38	19.42					
6	16QAM	1	12	19.62	19.62	19.55	21	5			
6	16QAM	1	24	19.47	19.48	19.29					
6	16QAM	12	0	19.46	19.46	19.36					
6	16QAM	12	7	19.40	19.37	19.27					
6	16QAM	12	13	19.38	19.47	19.44	21	5			
6	16QAM	25	0	19.38	19.38	19.37					
Channel											
Frequency (MHz)				2305.5	2306.5	2310.5	Time-use (sec/100)	MFR (dB)			
3	QPSK	1	0	24.16	24.16	24.28	26	0			
3	QPSK	1	8	24.22	24.25	24.35					
3	QPSK	1	16	24.28	24.32	24.42					
3	QPSK	12	0	23.16	23.21	23.32					
3	QPSK	8	0	23.24	23.28	23.42	25	1			
3	QPSK	8	8	23.29	23.33	23.47					
3	QPSK	16	0	23.20	23.24	23.38					
3	16QAM	1	0	23.53	23.48	23.68					
3	16QAM	1	16	23.19	23.13	23.80	25	1			
3	16QAM	1	32	23.17	23.03	23.80					
3	16QAM	8	0	23.51	23.50	23.41					
3	16QAM	8	8	23.52	23.52	23.40					
3	16QAM	15	0	22.28	22.28	22.33	24	2			
3	16QAM	1	0	22.37	22.44	22.80					
3	16QAM	1	32	22.44	22.44	22.56					
3	16QAM	8	0	22.44	22.51	22.62					
3	16QAM	1	16	22.28	22.42	22.55	23	3			
3	16QAM	1	32	22.34	22.48	22.61					
3	16QAM	8	0	21.33	21.38	21.45					
3	16QAM	8	7	21.22	21.27	21.42					
3	16QAM	15	0	21.25	21.25	21.32	23	3			
3	16QAM	1	0	19.38	19.38	19.30					
3	16QAM	1	8	19.48	19.41	19.66					
3	16QAM	1	16	19.53	19.46	19.70					
3	16QAM	8	0	19.38	19.38	19.30	21	5			
3	16QAM	8	8	19.40	19.38	19.30					
3	16QAM	8	16	19.44	19.51	19.59					
3	16QAM	15	0	19.34	19.34	19.35					
Channel											
Frequency (MHz)				2307.5	2308.5	2313.5	Time-use (sec/100)	MFR (dB)			
1.4	QPSK	1	0	24.13	24.16	24.31	26	0			
1.4	QPSK	1	3	24.19	24.20	24.35					
1.4	QPSK	1	5	24.12	24.15	24.30					
1.4	QPSK	3	0	24.23	24.23	24.30					
1.4	QPSK	3	1	24.22	24.24	24.28	25	1			
1.4	QPSK	3	3	24.19	24.22	24.35					
1.4	QPSK	6	0	23.18	23.20	23.27					
1.4	16QAM	1	0	23.07	23.03	23.74					
1.4	16QAM	1	3	23.03	23.07	23.78	25	1			
1.4	16QAM	1	5	23.01	23.16	23.68					
1.4	16QAM	3	0	23.18	23.46	23.51					
1.4	16QAM	3	1	23.40	23.38	23.54					
1.4	16QAM	6	0	22.36	22.27	22.37	24	2			
1.4	16QAM	1	0	22.47	22.42	22.58					
1.4	16QAM	1	3	22.41	22.42	22.43					
1.4	16QAM	1	5	22.41	22.42	22.46					
1.4	16QAM	3	0	22.37	22.37	22.48	24	2			
1.4	16QAM	3	1	22.34	22.33	22.51					
1.4	16QAM	3	3	22.29	22.35	22.50					
1.4	16QAM	6	0	21.35	21.35	21.46	23	3			
1.4	16QAM	1	0	19.55	19.55	19.27					
1.4	16QAM	3	0	19.66	19.57	19.50					
1.4	16QAM	3	1	19.62	19.62	19.30					
1.4	16QAM	6	0	19.34	19.35	19.21	21	5			
1.4	16QAM	3	1	19.22	19.28	19.43					
1.4	16QAM	3	3	19.22	19.22	19.22					
1.4	16QAM	6	0	19.22	19.20	19.21					

Band 17_Ant 0									
RF (MHz)	Modulation	RB SW	RF Offset	Power Channel [dBm]	Power Channel [dBm]	Power Channel [dBm]	Turnup Time (min)	MFR (dB)	
Channel				23765	23765	23805			
5	Frequency	1	0	24.07	24.10	24.05			
5	QPSK	1	26	24.20	24.22	24.26		0	
5	QPSK	1	28	24.20	24.22	24.26			
5	QPSK	25	0	23.21	23.21	23.25			
5	QPSK	28	12	23.52	23.55	23.58		25	
5	QPSK	28	14	23.52	23.55	23.58			
5	QPSK	50	0	23.28	23.22	23.25			
5	HQAM	1	0	23.55	23.53	23.56			
5	HQAM	1	26	23.60	23.60	23.63		25	
5	HQAM	1	49	23.71	23.71	23.75			
5	HQAM	25	0	23.21	23.25	23.28			
5	HQAM	25	26	23.28	23.28	23.32		24	
5	HQAM	25	28	23.31	23.31	23.35			
5	HQAM	50	0	23.22	23.24	23.27			
5	HQAM	50	12	23.23	23.24	23.27			
5	HQAM	1	26	22.46	22.47	22.51		24	
5	HQAM	1	49	22.54	22.49	22.62			
5	HQAM	25	0	23.21	23.25	23.28			
5	HQAM	25	12	23.34	23.28	23.31		23	
5	HQAM	25	25	23.29	23.29	23.33			
5	HQAM	25	28	23.23	23.23	23.27			
5	256QAM	1	0	19.37	19.32	19.45			
5	256QAM	1	26	19.55	19.52	19.53		25	
5	256QAM	1	49	19.62	19.42	19.61			
5	256QAM	25	0	19.31	19.35	19.35			
5	256QAM	25	12	19.44	19.48	19.42			
5	256QAM	25	26	19.51	19.51	19.54		25	
5	256QAM	50	0	19.36	19.38	19.37			
Channel				23875	23875	23925			
5	Frequency	1	0	24.19	24.24	24.30			
5	QPSK	1	12	24.20	24.26	24.31		26	
5	QPSK	1	24	24.15	24.19	24.28			
5	QPSK	1	26	24.25	24.27	24.30			
5	QPSK	12	0	23.23	23.26	23.29			
5	QPSK	12	13	23.19	23.27	23.31		25	
5	QPSK	25	0	23.19	23.23	23.26			
5	HQAM	1	0	23.55	23.56	23.79			
5	HQAM	1	12	23.61	23.65	23.73		25	
5	HQAM	1	24	23.67	23.67	23.73			
5	HQAM	12	0	23.28	23.31	23.29			
5	HQAM	12	13	23.27	23.29	23.29		24	
5	HQAM	25	0	23.25	23.25	23.29			
5	HQAM	25	12	23.25	23.25	23.31			
5	HQAM	50	0	22.48	22.50	22.50		24	
5	HQAM	50	12	22.50	22.50	22.54			
5	HQAM	1	24	22.42	22.53	22.54			
5	HQAM	12	0	21.26	21.31	21.34			
5	HQAM	12	13	21.26	21.28	21.31		24	
5	HQAM	25	0	21.26	21.31	21.37			
5	HQAM	25	12	21.26	21.28	21.34			
5	256QAM	1	12	19.66	19.53	19.54		25	
5	256QAM	1	24	19.64	19.41	19.63			
5	256QAM	12	0	19.32	19.36	19.31			
5	256QAM	12	13	19.23	19.35	19.40		25	
5	256QAM	12	15	19.42	19.55	19.41			
5	256QAM	25	0	19.31	19.31	19.36			

Band 17_Ant 2									
RF BNC	Module	RF SS	RF Offset	Power Ch. 1 (dBm)	Power Ch. 2 (dBm)	Power Ch. 3 (dBm)	Time-up Rate (dB)	Light (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.65	23.57	23.53			
15	QPSK	1	25	23.73	23.63	23.71			25.5
15	QPSK	1	50	23.73	23.63	23.71			25.5
15	QPSK	25	0	22.87	22.72	22.72			
15	QPSK	25	12	22.83	22.77	22.85			24.5
15	QPSK	25	25	22.83	22.77	22.85			24.5
15	QPSK	50	0	22.85	22.77	22.75			
15	QPSK	50	1	22.65	22.88	23.05			24.5
15	QPSK	50	2	22.65	22.88	23.05			24.5
15	QPSK	50	3	22.65	22.88	23.05			24.5
15	QPSK	50	4	22.65	22.88	23.05			24.5
15	QPSK	50	5	22.65	22.88	23.05			24.5
15	QPSK	50	6	22.65	22.88	23.05			24.5
15	QPSK	50	7	22.65	22.88	23.05			24.5
15	QPSK	50	8	22.65	22.88	23.05			24.5
15	QPSK	50	9	22.65	22.88	23.05			24.5
15	QPSK	50	10	22.65	22.88	23.05			24.5
15	QPSK	50	11	22.65	22.88	23.05			24.5
15	QPSK	50	12	22.65	22.88	23.05			24.5
15	QPSK	50	13	22.65	22.88	23.05			24.5
15	QPSK	50	14	22.65	22.88	23.05			24.5
15	QPSK	50	15	22.65	22.88	23.05			24.5
15	QPSK	50	16	22.65	22.88	23.05			24.5
15	QPSK	50	17	22.65	22.88	23.05			24.5
15	QPSK	50	18	22.65	22.88	23.05			24.5
15	QPSK	50	19	22.65	22.88	23.05			24.5
15	QPSK	50	20	22.65	22.88	23.05			24.5
15	QPSK	50	21	22.65	22.88	23.05			24.5
15	QPSK	50	22	22.65	22.88	23.05			24.5
15	QPSK	50	23	22.65	22.88	23.05			24.5
15	QPSK	50	24	22.65	22.88	23.05			24.5
15	QPSK	50	25	22.65	22.88	23.05			24.5
15	QPSK	50	26	22.65	22.88	23.05			24.5
15	QPSK	50	27	22.65	22.88	23.05			24.5
15	QPSK	50	28	22.65	22.88	23.05			24.5
15	QPSK	50	29	22.65	22.88	23.05			24.5
15	QPSK	50	30	22.65	22.88	23.05			24.5
15	QPSK	50	31	22.65	22.88	23.05			24.5
15	QPSK	50	32	22.65	22.88	23.05			24.5
15	QPSK	50	33	22.65	22.88	23.05			24.5
15	QPSK	50	34	22.65	22.88	23.05			24.5
15	QPSK	50	35	22.65	22.88	23.05			24.5
15	QPSK	50	36	22.65	22.88	23.05			24.5
15	QPSK	50	37	22.65	22.88	23.05			24.5
15	QPSK	50	38	22.65	22.88	23.05			24.5
15	QPSK	50	39	22.65	22.88	23.05			24.5
15	QPSK	50	40	22.65	22.88	23.05			24.5
15	QPSK	50	41	22.65	22.88	23.05			24.5
15	QPSK	50	42	22.65	22.88	23.05			24.5
15	QPSK	50	43	22.65	22.88	23.05			24.5
15	QPSK	50	44	22.65	22.88	23.05			24.5
15	QPSK	50	45	22.65	22.88	23.05			24.5
15	QPSK	50	46	22.65	22.88	23.05			24.5
15	QPSK	50	47	22.65	22.88	23.05			24.5
15	QPSK	50	48	22.65	22.88	23.05			24.5
15	QPSK	50	49	22.65	22.88	23.05			24.5
15	QPSK	50	50	22.65	22.88	23.05			24.5
15	QPSK	50	51	22.65	22.88	23.05			24.5
15	QPSK	50	52	22.65	22.88	23.05			24.5
15	QPSK	50	53	22.65	22.88	23.05			24.5
15	QPSK	50	54	22.65	22.88	23.05			24.5
15	QPSK	50	55	22.65	22.88	23.05			24.5
15	QPSK	50	56	22.65	22.88	23.05			24.5
15	QPSK	50	57	22.65	22.88	23.05			24.5
15	QPSK	50	58	22.65	22.88	23.05			24.5
15	QPSK	50	59	22.65	22.88	23.05			24.5
15	QPSK	50	60	22.65	22.88	23.05			24.5
15	QPSK	50	61	22.65	22.88	23.05			24.5
15	QPSK	50	62	22.65	22.88	23.05			24.5
15	QPSK	50	63	22.65	22.88	23.05			24.5
15	QPSK	50	64	22.65	22.88	23.05			24.5
15	QPSK	50	65	22.65	22.88	23.05			24.5
15	QPSK	50	66	22.65	22.88	23.05			24.5
15	QPSK	50	67	22.65	22.88	23.05			24.5
15	QPSK	50	68	22.65	22.88	23.05			24.5
15	QPSK	50	69	22.65	22.88	23.05			24.5
15	QPSK	50	70	22.65	22.88	23.05			24.5
15	QPSK	50	71	22.65	22.88	23.05			24.5
15	QPSK	50	72	22.65	22.88	23.05			24.5
15	QPSK	50	73	22.65	22.88	23.05			24.5
15	QPSK	50	74	22.65	22.88	23.05			24.5
15	QPSK	50	75	22.65	22.88	23.05			24.5
15	QPSK	50	76	22.65	22.88	23.05			24.5
15	QPSK	50	77	22.65	22.88	23.05			24.5
15	QPSK	50	78	22.65	22.88	23.05			24.5
15	QPSK	50	79	22.65	22.88	23.05			24.5
15	QPSK	50	80	22.65	22.88	23.05			24.5
15	QPSK	50	81	22.65	22.88	23.05			24.5
15	QPSK	50	82	22.65	22.88	23.05			24.5
15	QPSK	50	83	22.65	22.88	23.05			24.5
15	QPSK	50	84	22.65	22.88	23.05			24.5
15	QPSK	50	85	22.65	22.88	23.05			24.5
15	QPSK	50	86	22.65	22.88	23.05			24.5
15	QPSK	50	87	22.65	22.88	23.05			24.5
15	QPSK	50	88	22.65	22.88	23.05			24.5
15	QPSK	50	89	22.65	22.88	23.05			24.5
15	QPSK	50	90	22.65	22.88	23.05			24.5
15	QPSK	50	91	22.65	22.88	23.05			24.5
15	QPSK	50	92	22.65	22.88	23.05			24.5
15	QPSK	50	93	22.65	22.88	23.05			24.5
15	QPSK	50	94	22.65	22.88	23.05			24.5
15	QPSK	50	95	22.65	22.88	23.05			24.5
15	QPSK	50	96	22.65	22.88	23.05			24.5
15	QPSK	50	97	22.65	22.88	23.05			24.5
15	QPSK	50	98	22.65	22.88	23.05			24.5
15	QPSK	50	99	22.65	22.88	23.05			24.5
15	QPSK	50	100	22.65	22.88	23.05			24.5
15	QPSK	50	101	22.65	22.88	23.05			24.5
15	QPSK	50	102	22.65	22.88	23.05			24.5
15	QPSK	50	103	22.65	22.88	23.05			24.5
15	QPSK	50	104	22.65	22.88	23.05			24.5
15	QPSK	50	105	22.65	22.88	23.05			24.5
15	QPSK	50	106	22.65	22.88	23.05			24.5
15	QPSK	50	107	22.65	22.88	23.05			24.5
15	QPSK	50	108	22.65	22.88	23.05			24.5
15	QPSK	50	109	22.65	22.88	23.05			24.5
15	QPSK	50	110	22.65	22.88	23.05			24.5
15	QPSK	50	111	22.65	22.88	23.05			24.5
15	QPSK	50	112	22.65	22.88	23.05			24.5
15	QPSK	50	113	22.65	22.88	23.05			24.5
15	QPSK	50	114	22.65	22.88	23.05			24.5
15	QPSK	50	115	22.65	22.88	23.05			24.5
15	QPSK	50	116	22.65	22.88	23.05			24.5
15	QPSK	50	117	22.65	22.88	23.05			24.5
15	QPSK	50	118	22.65	22.88	23.05			24.5
15	QPSK	50	119	22.65	22.88	23.05			24.5
15	QPSK	50	120	22.65	22.88	23.05			24.5
15	QPSK	50	121	22.65	22.88	23.05			24.5
15	QPSK	50	122	22.65	22.88	23.05			24.5
15	QPSK	50	123	22.65	22.88	23.05			24.5
15	QPSK	50	124	22.65	22.88	23.05			24.5
15	QPSK	50	125	22.65	22.88	23.05			24.5
15	QPSK	50	126	22.65	22.88	23.05			24.5
15	QPSK	50	127	22.65	22.88	23.05			24.5
15	QPSK	50	128	22.65	22.88	23.05			24.5
15	QPSK	50	129	22.65	22.88	23.05			24.5
15	QPSK	50	130	22.65	22.88	23.05			24.5
15	QPSK	50	131	22.65	22.88	23.05			24.5
15	QPSK	50	132	22.65	22.88	23.05			24.5
15	QPSK	50	133	22.65	22.88	23.05			24.5
15	QPSK	50	134	22.65	22.88	23.05			24.5
15	QPSK	50	135	22.65	22.88	23.05			24.5
15	QPSK	50	136	22.65	22.88	23.05			24.5
15	QPSK	50	137	22.65	22.88	23.05			24.5
15	QPSK	50	138	22.65	22.88	23.05			24.5
15	QPSK	50	139	22.65	22.88	23.05			24.5
15	QPSK	50	140	22.65	22.88	23.05			24.5
15	QPSK	50	141	22.65	22.88	23.05			24.5
15	QPSK	50	142	22.65	22.88	23.05			24.5
15	QPSK	50	143	22.65	22.88	23.05			24.5
15	QPSK	50	144	22.65	22.88	23.05			24.5
15	QPSK	50	145	22.65	22.88	23.05			24.5
15	QPSK	50	146	22.65	22.88				

Band 25, Ant 1									
IRI (MHz)	Modulation	IRI Size	IRI Offset	Power (dBm) Ch1 (MHz)	Power (dBm) Ch2 (MHz)	Power (dBm) Ch3 (MHz)	Turn-on time (ms)	IRI (dB)	
Channel									
25	QPSK	1	0	24.44	24.44	24.44			
26	QPSK	1	48	24.46	24.51	24.54			0
27	QPSK	1	96	24.48	24.53	24.56			
28	QPSK	80	0	23.47	23.52	23.53			
29	QPSK	80	24	23.53	23.58	23.59			25
30	QPSK	80	48	23.55	23.59	23.60			
31	QPSK	160	0	23.51	23.51	23.51			
32	QPSK	1	0	23.68	23.73	23.77			
33	QPSK	1	48	23.70	23.75	23.79			25
34	QPSK	1	96	23.72	23.76	23.80			
35	QPSK	80	0	22.85	22.93	22.97			
36	QPSK	80	0	22.48	22.54	22.56			
37	QPSK	80	24	22.50	22.56	22.58			
38	QPSK	80	48	22.50	22.55	22.57			
39	QPSK	160	0	22.53	22.58	22.62			
40	QPSK	160	24	22.55	22.60	22.65			
41	QPSK	160	48	22.57	22.62	22.67			
42	QPSK	1	0	22.77	22.85	22.92			
43	QPSK	1	96	22.82	22.85	22.87			
44	QPSK	80	0	21.56	21.64	21.68			
45	QPSK	80	24	21.58	21.62	21.67			23
46	QPSK	80	48	21.58	21.58	21.61			
47	QPSK	160	0	21.61	21.63	21.65			
48	QPSK	160	24	21.63	21.65	21.67			
49	QPSK	160	48	21.65	21.67	21.69			
50	QPSK	1	0	19.78	19.79	19.80			
51	QPSK	1	48	19.84	19.87	19.88			21
52	QPSK	1	96	19.86	19.88	19.90			
53	QPSK	80	0	19.53	19.57	19.58			
54	QPSK	80	24	19.52	19.51	19.51			
55	QPSK	80	48	19.58	19.58	19.57			
56	QPSK	160	0	19.63	19.59	19.52			
Channel									
57	QPSK	1	0	24.13	24.30	24.41			
58	QPSK	1	48	24.15	24.32	24.43			26
59	QPSK	1	96	24.31	24.42	24.48			
60	QPSK	80	0	23.44	23.44	23.44			
61	QPSK	80	24	23.45	23.52	23.53			
62	QPSK	80	48	23.47	23.49	23.54			
63	QPSK	160	0	23.43	23.51	23.51			
64	QPSK	1	0	23.74	23.75	23.75			
65	QPSK	1	48	23.74	23.77	23.77			
66	QPSK	1	96	23.78	23.80	23.81			
67	QPSK	80	0	22.40	22.42	22.42			
68	QPSK	80	24	22.47	22.50	22.49			24
69	QPSK	80	48	22.49	22.50	22.49			
70	QPSK	160	0	22.45	22.51	22.48			
71	QPSK	1	0	22.57	22.58	22.58			
72	QPSK	1	48	22.58	22.60	22.61			
73	QPSK	1	96	22.60	22.62	22.62			
74	QPSK	80	0	21.38	21.44	21.48			
75	QPSK	80	24	21.41	21.50	21.50			
76	QPSK	80	48	21.43	21.51	21.51			
77	QPSK	160	0	21.43	21.50	21.47			
78	QPSK	1	0	19.79	19.80	19.80			
79	QPSK	1	48	19.83	19.82	19.82			21
80	QPSK	1	96	19.86	19.86	19.86			
81	QPSK	80	0	19.58	19.58	19.58			
82	QPSK	80	24	19.57	19.58	19.57			21

Band 25_Ant 2									
RF Chn	Multiplex	RF B3	RF Off	Power (dBm)	Power (dBm)	Power (dBm)	Turn-on time (sec)	APR3 (dB)	
Channel				26146	26360	26564			
Frequency (MHz)									
20	QPSK	1	5	23.80	23.81	23.80			
20	QPSK	1	48	23.20	23.20	23.76			
20	QPSK	1	92	22.80	22.80	23.48		0	
20	QPSK	30	5	22.67	22.67	22.67			
20	QPSK	30	24	22.17	22.57	22.80			
20	QPSK	30	48	22.00	22.00	22.00		24	
20	QPSK	30	92	22.72	22.68	22.77			
20	16QAM	1	5	22.70	22.41	23.19			
20	16QAM	1	48	22.40	22.40	22.47		1	
20	16QAM	1	92	22.39	22.39	23.17			
20	16QAM	30	5	21.65	21.70	21.80			
20	16QAM	30	24	21.65	21.65	21.65			
20	16QAM	30	50	21.66	21.66	21.66		2	
20	16QAM	30	92	21.63	21.51	21.63			
20	16QAM	30	144	21.63	21.63	21.63			
20	84QAM	1	49	21.63	21.47	21.88			
20	84QAM	1	50	21.47	21.58	21.77			
20	84QAM	30	24	20.70	20.70	20.70			
20	84QAM	30	50	20.70	20.70	20.84			
20	84QAM	30	92	20.73	20.73	20.84		22	
20	256QAM	1	50	18.70	18.70	18.40			
20	256QAM	1	49	18.68	18.76	18.40			
20	256QAM	1	100	18.66	18.66	18.76		5	
20	256QAM	30	5	18.20	18.22	18.40			
20	256QAM	30	24	18.26	18.40	18.32			
20	256QAM	30	48	18.26	18.31	18.40		5	
20	256QAM	30	92	18.30	18.32	18.40			
Channel				26146	26360	26564			
Frequency (MHz)									
18	QPSK	1	5	23.83	23.87	23.83			
18	QPSK	1	37	23.28	23.28	23.72			
18	QPSK	1	74	23.24	23.26	23.75			
18	QPSK	30	5	22.80	22.80	23.83			
18	QPSK	30	26	22.77	22.84	22.88			
18	QPSK	30	50	22.61	22.60	22.64		1	
18	QPSK	30	92	22.63	22.63	22.63		48	
18	16QAM	1	5	22.61	22.21	22.60			
18	16QAM	1	37	22.65	22.21	22.60			
18	16QAM	1	74	22.65	22.20	23.13			
18	16QAM	30	5	21.58	21.63	21.62			
18	16QAM	30	26	21.57	21.46	21.68			
18	16QAM	30	50	21.57	21.57	21.57		2	
18	16QAM	30	92	21.63	21.46	21.68			
18	16QAM	30	144	21.63	21.46	21.72			
18	84QAM	1	37	21.68	21.31	22.00			
18	84QAM	1	74	21.68	21.31	21.72		2	
18	84QAM	30	5	20.70	20.70	20.70			
18	84QAM	30	26	20.71	20.51	20.82			
18	84QAM	30	50	20.62	20.64	20.65		22	
18	256QAM	1	144	18.47	18.47	18.47			
18	256QAM	1	37	18.53	18.56	18.62			
18	256QAM	1	74	18.50	18.61	18.72			
18	256QAM	30	5	18.42	18.46	18.44			
18	256QAM	30	26	18.70	18.67	18.30		5	
18	256QAM	30	50	18.50	18.50	18.22			
18	256QAM	30	92	18.42	18.42	18.42			

[illegible]

Channel		2000		2010		Time of day (hrs)	Miles (km)
Frequency (MHz)	Power (W)	2000	2010	2000	2010		
10	QPSK	1	0	23.68	23.68	23.61	25
10	QPSK	1	26	23.67	23.61	23.62	
10	QPSK	40	40	23.69	23.55	23.28	
10	QPSK	25	25	23.69	23.54	23.28	
10	QPSK	25	12	22.77	22.69	22.72	
10	QPSK	50	50	23.69	23.54	23.28	24
10	QPSK	50	5	22.67	22.41	22.57	
10	MSK45	1	5	22.75	22.30	23.08	
10	MSK45	1	23.23	23.23	23.28	23.42	
10	MSK45	1	49	22.81	22.88	23.11	
10	MSK45	25	0	21.60	21.67	21.64	23
10	MSK45	25	21	21.79	21.78	21.78	
10	MSK45	25	20	21.61	21.54	21.64	
10	MSK45	50	0	21.65	21.70	21.59	
10	MSK45	50	1	21.68	21.72	21.67	
10	MSK45	1	26	21.40	21.41	21.31	23
10	MSK45	1	40	21.38	21.39	21.38	
10	MSK45	25	12	20.76	20.84	20.83	
10	MSK45	25	12	20.69	20.69	20.69	
10	MSK45	50	5	19.45	19.50	19.53	
10	MSK45	50	0	18.35	18.39	18.33	22
10	MSK45	50	0	16.26	16.28	16.27	
10	MSK45	50	0	15.05	15.05	15.05	
10	MSK45	50	0	14.85	14.89	14.53	
10	MSK45	50	0	13.65	13.65	13.65	
10	MSK45	1	40	18.47	18.41	18.85	23
10	MSK45	1	48	18.42	18.58	18.63	
10	MSK45	25	20	18.12	18.18	18.18	
10	MSK45	25	12	18.09	18.05	18.05	
10	MSK45	25	25	18.26	18.21	18.36	
10	MSK45	50	0	16.98	16.98	16.98	23
10	MSK45	50	0	15.78	15.78	15.78	
10	MSK45	50	0	14.58	14.58	14.58	
10	MSK45	50	0	13.38	13.38	13.38	
10	MSK45	50	0	12.18	12.18	12.18	
10	MSK45	1	23	23.61	23.60	23.61	25
10	QPSK	1	12	23.64	23.62	23.64	
10	QPSK	1	24	23.27	23.20	23.20	
10	QPSK	13	13	22.67	22.67	22.67	
10	QPSK	12	7	22.60	22.50	22.77	
10	QPSK	12	13	22.75	22.58	22.87	24
10	QPSK	12	13	22.63	22.63	22.63	
10	MSK45	1	22.73	22.45	22.94		
10	MSK45	1	12	23.69	23.68	22.72	
10	MSK45	1	22.70	22.70	22.74		
10	MSK45	12	0	21.89	21.85	21.83	23
10	MSK45	12	0	21.80	21.88	21.75	
10	MSK45	12	0	21.80	21.88	21.75	
10	MSK45	12	0	21.72	21.77	21.72	
10	MSK45	12	0	21.68	21.70	21.68	
10	MSK45	1	12	21.38	21.32	21.87	23
10	MSK45	1	24	21.28	21.84	21.83	
10	MSK45	1	12	20.8	20.8	20.8	
10	MSK45	1	12	20.79	20.79	20.77	
10	MSK45	12	13	20.74	20.70	20.75	
10	MSK45	25	20	20.69	20.69	20.69	22
10	MSK45	25	20	20.69	20.69	20.69	
10	MSK45	1	0	18.88	18.46	18.25	
10	MSK45	1	12	18.84	18.78	18.63	
10	MSK45	1	18	18.8	18.37	18.74	
10	MSK45	12	0	18.54	18.37	18.26	23
10	MSK45	12	0	18.54	18.37	18.26	
10	MSK45	12	13	18.54	18.54	18.54	
10	MSK45	12	13	18.54	18.54	18.54	
10	MSK45	12	13	18.54	18.54	18.54	

5	3	SSGMM	Hz	0	19.49	19.52	19.49		
Frequency (MHz)				1891.3	1890	19315.5			
3	QPSK	1	0	24.29	24.39	24.42			
3	QPSK	1	8	24.26	24.36	24.42		26	0
3	QPSK	1	16	24.23	24.33	24.42			
3	QPSK	8	0	23.40	23.49	23.44			
3	QPSK	8	8	23.41	23.50	23.44		25	1
3	QPSK	8	16	23.38	23.50	23.44			
3	QPSK	16	0	23.38	23.47	23.42			
3	QPSK	16	8	23.39	23.47	23.42			
3	QPSK	16	16	23.37	23.49	23.42		25	
3	QPSK	16	24	23.36	23.47	23.42			
3	QPSK	16	32	23.36	23.47	23.42			
3	QPSK	16	40	23.36	23.47	23.42			
3	QPSK	16	48	23.36	23.47	23.42			
3	QPSK	16	56	23.36	23.47	23.42			
3	QPSK	16	64	23.36	23.47	23.42			
3	QPSK	16	72	23.36	23.47	23.42			
3	QPSK	16	80	23.36	23.47	23.42			
3	QPSK	16	88	23.36	23.47	23.42			
3	QPSK	16	96	23.36	23.47	23.42			
3	QPSK	16	104	23.36	23.47	23.42			
3	QPSK	16	112	23.36	23.47	23.42			
3	QPSK	16	120	23.36	23.47	23.42			
3	QPSK	16	128	23.36	23.47	23.42			
3	QPSK	16	136	23.36	23.47	23.42			
3	QPSK	16	144	23.36	23.47	23.42			
3	QPSK	16	152	23.36	23.47	23.42			
3	QPSK	16	160	23.36	23.47	23.42			
3	QPSK	16	168	23.36	23.47	23.42			
3	QPSK	16	176	23.36	23.47	23.42			
3	QPSK	16	184	23.36	23.47	23.42			
3	QPSK	16	192	23.36	23.47	23.42			
3	QPSK	16	200	23.36	23.47	23.42			
3	QPSK	16	208	23.36	23.47	23.42			
3	QPSK	16	216	23.36	23.47	23.42			
3	QPSK	16	224	23.36	23.47	23.42			
3	QPSK	16	232	23.36	23.47	23.42			
3	QPSK	16	240	23.36	23.47	23.42			
3	QPSK	16	248	23.36	23.47	23.42			
3	QPSK	16	256	23.36	23.47	23.42			
3	QPSK	16	264	23.36	23.47	23.42			
3	QPSK	16	272	23.36	23.47	23.42			
3	QPSK	16	280	23.36	23.47	23.42			
3	QPSK	16	288	23.36	23.47	23.42			
3	QPSK	16	296	23.36	23.47	23.42			
3	QPSK	16	304	23.36	23.47	23.42			
3	QPSK	16	312	23.36	23.47	23.42			
3	QPSK	16	320	23.36	23.47	23.42			
3	QPSK	16	328	23.36	23.47	23.42			
3	QPSK	16	336	23.36	23.47	23.42			
3	QPSK	16	344	23.36	23.47	23.42			
3	QPSK	16	352	23.36	23.47	23.42			
3	QPSK	16	360	23.36	23.47	23.42			
3	QPSK	16	368	23.36	23.47	23.42			
3	QPSK	16	376	23.36	23.47	23.42			
3	QPSK	16	384	23.36	23.47	23.42			
3	QPSK	16	392	23.36	23.47	23.42			
3	QPSK	16	400	23.36	23.47	23.42			
3	QPSK	16	408	23.36	23.47	23.42			
3	QPSK	16	416	23.36	23.47	23.42			
3	QPSK	16	424	23.36	23.47	23.42			
3	QPSK	16	432	23.36	23.47	23.42			
3	QPSK	16	440	23.36	23.47	23.42			
3	QPSK	16	448	23.36	23.47	23.42			
3	QPSK	16	456	23.36	23.47	23.42			
3	QPSK	16	464	23.36	23.47	23.42			
3	QPSK	16	472	23.36	23.47	23.42			
3	QPSK	16	480	23.36	23.47	23.42			
3	QPSK	16	488	23.36	23.47	23.42			
3	QPSK	16	496	23.36	23.47	23.42			
3	QPSK	16	504	23.36	23.47	23.42			
3	QPSK	16	512	23.36	23.47	23.42			
3	QPSK	16	520	23.36	23.47	23.42			
3	QPSK	16	528	23.36	23.47	23.42			
3	QPSK	16	536	23.36	23.47	23.42			
3	QPSK	16	544	23.36	23.47	23.42			
3	QPSK	16	552	23.36	23.47	23.42			
3	QPSK	16	560	23.36	23.47	23.42			
3	QPSK	16	568	23.36	23.47	23.42			
3	QPSK	16	576	23.36	23.47	23.42			
3	QPSK	16	584	23.36	23.47	23.42			
3	QPSK	16	592	23.36	23.47	23.42			
3	QPSK	16	600	23.36	23.47	23.42			
3	QPSK	16	608	23.36	23.47	23.42			
3	QPSK	16	616	23.36	23.47	23.42			
3	QPSK	16	624	23.36	23.47	23.42			
3	QPSK	16	632	23.36	23.47	23.42			
3	QPSK	16	640	23.36	23.47	23.42			
3	QPSK	16	648	23.36	23.47	23.42			
3	QPSK	16	656	23.36	23.47	23.42			
3	QPSK	16	664	23.36	23.47	23.42			
3	QPSK	16	672	23.36	23.47	23.42			
3	QPSK	16	680	23.36	23.47	23.42			
3	QPSK	16	688	23.36	23.47	23.42			
3	QPSK	16	696	23.36	23.47	23.42			
3	QPSK	16	704	23.36	23.47	23.42			
3	QPSK	16	712	23.36	23.47	23.42			
3	QPSK	16	720	23.36	23.47	23.42			
3	QPSK	16	728	23.36	23.47	23.42			
3	QPSK	16	736	23.36	23.47	23.42			
3	QPSK	16	744	23.36	23.47	23.42			
3	QPSK	16	752	23.36	23.47	23.42			
3	QPSK	16	760	23.36	23.47	23.42			
3	QPSK	16	768	23.36	23.47	23.42			
3	QPSK	16	776	23.36	23.47	23.42			
3	QPSK	16	784	23.36	23.47	23.42			
3	QPSK	16	792	23.36	23.47	23.42			
3	QPSK	16	800	23.36	23.47	23.42			
3	QPSK	16	808	23.36	23.47	23.42			
3	QPSK	16	816	23.36	23.47	23.42			
3	QPSK	16	824	23.36	23.47	23.42			
3	QPSK	16	832	23.36	23.47	23.42			
3	QPSK	16	840	23.36	23.47	23.42			
3	QPSK	16	848	23.36	23.47	23.42			
3	QPSK	16	856	23.36	23.47	23.42			
3	QPSK	16	864	23.36	23.47	23.42			
3	QPSK	16	872	23.36	23.47	23.42			
3	QPSK	16	880	23.36	23.47	23.42			
3	QPSK	16	888	23.36	23.47	23.42			
3	QPSK	16	896	23.36	23.47	23.42			
3	QPSK	16	904	23.36	23.47	23.42			
3	QPSK	16	912	23.36	23.47	23.42			
3	QPSK	16	920	23.36	23.47	23.42			
3	QPSK	16	928	23.36	23.47	23.42			
3	QPSK	16	936	23.36	23.47	23.42			
3	QPSK	16	944	23.36	23.47	23.42			
3	QPSK	16	952	23.36	23.47	23.42			
3	QPSK	16	960	23.36	23.47	23.42			
3	QPSK	16	968	23.36	23.47	23.42			
3	QPSK	16	976	23.36	23.47	23.42			
3	QPSK	16	984	23.36	23.47	23.42			
3	QPSK	16	992	23.36	23.47	23.42			
3	QPSK	16	1000	23.36	23.47	23.42			
3	QPSK	16	1008	23.36	23.47	23.42			
3	QPSK	16	1016	23.36	23.47	23.42			
3	QPSK	16	1024	23.36	23.47	23.42			
3	QPSK	16	1032	23.36	23.47	23.42			
3	QPSK	16	1040	23.36	23.47	23.42			
3	QPSK	16	1048	23.36	23.47	23.42			
3	QPSK	16	1056	23.36	23.47	23.42			
3	QPSK	16	1064	23.36	23.47	23.42			
3	QPSK	16	1072	23.36	23.47	23.42			
3	QPSK	16	1080	23.36	23.47	23.42			
3	QPSK	16	1088	23.36	23.47	23.42			
3	QPSK	16	1096	23.36	23.47	23.42			
3	QPSK	16	1104	23.36	23.47	23.42			
3	QPSK	16	1112	23.36	23.47	23.42			
3	QPSK	16	1120	23.36	23.47	23.42			
3	QPSK	16	1128	23.36	23.47	23.42			
3	QPSK	16	1136	23.36	23.47	23.42			
3	QPSK	16	1144	23.36	23.47	23.42			
3	QPSK	16	1152	23.36	23.47	23.42			
3	QPSK	16	1160	23.36	23.47	23.42			
3	QPSK	16	1168	23.36	23.47	23.42			
3	QPSK	16	1176	23.36	23.47	23.42			
3	QPSK	16	1184	23.36	23.47	23.42			
3	QPSK	16	1192	23.36	23.47	23.42			
3	QPSK	16	1200	23.36	23.47	23.42			
3	QPSK	16	1208	23.36	23.47	23.42			
3	QPSK	16	1216	23.36	23.47	23.42			
3	QPSK	16	1224	23.36	23.47	23.42			
3	QPSK	16	1232	23.36	23.47	23.42			
3	QPSK	16	1240	23.36	23.47	23.42			
3	QPSK	16	1248	23.36	23.47	23.42			
3</									

S	255644	22	0	18.59	18.48	18.45		
				Frequency (MHz)	1580	1580	1580	1580
3	QPSK	1	5	23.69	23.57	24.84		
3	QPSK	1	5	23.68	23.58	24.81	25	0
3	QPSK	1	5	23.68	23.58	24.81		
3	QPSK	8	4	22.63	22.52	24.84		
3	QPSK	8	4	22.63	22.43	22.80	24	1
3	QPSK	8	4	22.70	22.57	24.81		
3	QPSK	16	0	22.59	22.52	22.55		
3	16QAM	1	5	22.59	22.57	22.55		
3	16QAM	1	5	22.59	22.50	22.54	24	1
3	16QAM	1	14	22.62	22.57	23.21		
3	16QAM	1	14	22.62	22.51	21.37		
3	16QAM	8	4	21.77	21.54	21.54		
3	16QAM	8	7	21.72	21.46	21.72		
3	16QAM	16	0	21.72	21.37	22.04		
3	8QAM	1	5	21.72	21.37	22.04		
3	8QAM	1	8	21.61	21.30	21.65	21	28
3	8QAM	8	5	20.89	20.89	20.83		
3	8QAM	8	5	20.88	20.55	20.78	22	3
3	8QAM	16	0	20.88	20.55	20.78		
3	8QAM	16	0	20.87	20.55	20.78		
3	25QPSK	1	5	18.46	18.67	18.23		
3	25QPSK	1	14	18.46	18.67	18.00		
3	25QPSK	1	14	18.45	18.74	18.24		
3	25QPSK	8	5	18.13	18.34	18.14		
3	25QPSK	8	15	18.04	18.04	18.36		
3	25QPSK	16	0	18.13	18.00	18.43		
3	25QPSK	16	0	18.46	18.52	18.25		
3	25QPSK	16	0	18.46	18.52	18.25		
				Frequency (MHz)	1580	1580	1580	1580
1.4	QPSK	1	5	23.58	23.56	23.55		
1.4	QPSK	1	5	23.58	23.56	23.55	23	0
1.4	QPSK	1	5	23.58	23.17	22.83		
1.4	QPSK	3	5	23.54	23.25	25.55		
1.4	QPSK	3	5	23.54	23.20	24.42		
1.4	QPSK	3	3	23.29	23.26	23.73		
1.4	QPSK	6	5	22.65	22.46	22.66	24	1
1.4	QPSK	6	5	22.71	22.15	22.16		
1.4	16QAM	1	3	23.52	22.70	22.67		
1.4	16QAM	1	3	22.60	22.71	23.14		
1.4	16QAM	2	1	22.60	22.70	22.68	24	1
1.4	16QAM	3	1	22.61	21.26	21.55		
1.4	16QAM	3	1	22.62	22.51	22.55		
1.4	16QAM	3	1	21.79	21.79	21.72	23	2
1.4	8QAM	1	5	21.57	21.51	21.76		
1.4	8QAM	1	5	21.58	21.37	21.76		
1.4	8QAM	1	5	21.57	21.52	21.63	23	2
1.4	8QAM	1	5	21.57	21.51	21.63		
1.4	8QAM	3	3	20.43	20.37	20.62		
1.4	8QAM	3	3	20.43	20.37	20.62	22	3
1.4	25QPSK	1	5	18.63	18.41	18.53		
1.4	25QPSK	1	5	18.65	18.63	18.74		
1.4	25QPSK	1	5	18.71	18.70	18.30	23	0
1.4	25QPSK	3	1	18.74	18.33	18.24		
1.4	25QPSK	3	1	18.71	18.50	18.49		
1.4	25QPSK	3	1	18.48	18.24	18.24		

Band 26_Ant 0										
BR [MHz]	Modulation	FIR filter	RF Offset	Power [dBm] Ch0	Power [dBm] Ch1	Power [dBm] Ch2	Power [dBm] Ch3	Time-on-Air (min)	MPPE (dB)	
Channel 26763, 26863, 26963										
15	QPSK	1	0	24.43	24.43	24.43				
15	QPSK	1	37	24.38	24.41	24.43		26	0	
15	QPSK	1	74	24.32	24.34	24.43				
15	QPSK	1	111	24.32	24.34	24.43				
15	QPSK	36	20	23.69	23.67	23.72				
15	QPSK	36	57	23.68	23.64	23.72		25	1	
15	QPSK	36	94	23.63	23.65	23.68				
15	QPSK	36	131	23.63	23.65	23.68				
15	QPSK	1	0	23.75	23.77	23.82				
15	QPSK	1	37	23.75	23.77	23.82				
15	QPSK	1	74	23.64	23.66	23.70		25	1	
15	QPSK	1	111	23.64	23.66	23.70				
15	QPSK	36	0	22.49	22.55	22.68				
15	QPSK	36	37	22.49	22.51	22.57				
15	QPSK	36	74	22.46	22.48	22.53		24	2	
15	QPSK	36	111	22.46	22.48	22.53				
15	QPSK	75	0	22.63	22.59	22.67				
15	QPSK	75	37	22.63	22.59	22.67				
15	QPSK	1	0	22.66	22.62	22.67				
15	QPSK	1	37	22.66	22.62	22.67				
15	QPSK	36	0	22.76	22.72	22.76		24	2	
15	QPSK	36	37	22.76	22.72	22.76				
15	QPSK	36	74	22.84	22.79	22.86				
15	QPSK	36	111	22.84	22.79	22.86				
15	QPSK	36	148	22.84	22.79	22.86				
15	QPSK	36	185	22.84	22.79	22.86				
15	QPSK	36	220	22.84	22.79	22.86				
15	QPSK	36	257	22.84	22.79	22.86				
15	QPSK	36	294	22.84	22.79	22.86				
15	QPSK	36	331	22.84	22.79	22.86				
15	QPSK	36	368	22.84	22.79	22.86				
15	QPSK	36	405	22.84	22.79	22.86				
15	QPSK	36	442	22.84	22.79	22.86				
15	QPSK	36	479	22.84	22.79	22.86				
15	QPSK	36	516	22.84	22.79	22.86				
15	QPSK	36	553	22.84	22.79	22.86				
15	QPSK	36	590	22.84	22.79	22.86				
15	QPSK	36	627	22.84	22.79	22.86				
15	QPSK	36	664	22.84	22.79	22.86				
15	QPSK	36	701	22.84	22.79	22.86				
15	QPSK	36	738	22.84	22.79	22.86				
15	QPSK	36	775	22.84	22.79	22.86				
15	QPSK	36	812	22.84	22.79	22.86				
15	QPSK	36	849	22.84	22.79	22.86				
15	QPSK	36	886	22.84	22.79	22.86				
15	QPSK	36	923	22.84	22.79	22.86				
15	QPSK	36	960	22.84	22.79	22.86				
15	QPSK	36	997	22.84	22.79	22.86				
15	QPSK	36	1034	22.84	22.79	22.86				
15	QPSK	36	1071	22.84	22.79	22.86				
15	QPSK	36	1108	22.84	22.79	22.86				
15	QPSK	36	1145	22.84	22.79	22.86				
15	QPSK	36	1182	22.84	22.79	22.86				
15	QPSK	36	1219	22.84	22.79	22.86				
15	QPSK	36	1256	22.84	22.79	22.86				
15	QPSK	36	1293	22.84	22.79	22.86				
15	QPSK	36	1330	22.84	22.79	22.86				
15	QPSK	36	1367	22.84	22.79	22.86				
15	QPSK	36	1404	22.84	22.79	22.86				
15	QPSK	36	1441	22.84	22.79	22.86				
15	QPSK	36	1478	22.84	22.79	22.86				
15	QPSK	36	1515	22.84	22.79	22.86				
15	QPSK	36	1552	22.84	22.79	22.86				
15	QPSK	36	1589	22.84	22.79	22.86				
15	QPSK	36	1626	22.84	22.79	22.86				
15	QPSK	36	1663	22.84	22.79	22.86				
15	QPSK	36	1700	22.84	22.79	22.86				
15	QPSK	36	1737	22.84	22.79	22.86				
15	QPSK	36	1774	22.84	22.79	22.86				
15	QPSK	36	1811	22.84	22.79	22.86				
15	QPSK	36	1848	22.84	22.79	22.86				
15	QPSK	36	1885	22.84	22.79	22.86				
15	QPSK	36	1922	22.84	22.79	22.86				
15	QPSK	36	1959	22.84	22.79	22.86				
15	QPSK	36	1996	22.84	22.79	22.86				
15	QPSK	36	2033	22.84	22.79	22.86				
15	QPSK	36	2070	22.84	22.79	22.86				
15	QPSK	36	2107	22.84	22.79	22.86				
15	QPSK	36	2144	22.84	22.79	22.86				
15	QPSK	36	2181	22.84	22.79	22.86				
15	QPSK	36	2218	22.84	22.79	22.86				
15	QPSK	36	2255	22.84	22.79	22.86				
15	QPSK	36	2292	22.84	22.79	22.86				
15	QPSK	36	2329	22.84	22.79	22.86				
15	QPSK	36	2366	22.84	22.79	22.86				
15	QPSK	36	2403	22.84	22.79	22.86				
15	QPSK	36	2440	22.84	22.79	22.86				
15	QPSK	36	2477	22.84	22.79	22.86				
15	QPSK	36	2514	22.84	22.79	22.86				
15	QPSK	36	2551	22.84	22.79	22.86				
15	QPSK	36	2588	22.84	22.79	22.86				
15	QPSK	36	2625	22.84	22.79	22.86				
15	QPSK	36	2662	22.84	22.79	22.86				
15	QPSK	36	2699	22.84	22.79	22.86				
15	QPSK	36	2736	22.84	22.79	22.86				
15	QPSK	36	2773	22.84	22.79	22.86				
15	QPSK	36	2810	22.84	22.79	22.86				
15	QPSK	36	2847	22.84	22.79	22.86				
15	QPSK	36	2884	22.84	22.79	22.86				
15	QPSK	36	2921	22.84	22.79	22.86				
15	QPSK	36	2958	22.84	22.79	22.86				
15	QPSK	36	2995	22.84	22.79	22.86				
15	QPSK	36	3032	22.84	22.79	22.86				
15	QPSK	36	3069	22.84	22.79	22.86				
15	QPSK	36	3106	22.84	22.79	22.86				
15	QPSK	36	3143	22.84	22.79	22.86				
15	QPSK	36	3180	22.84	22.79	22.86				
15	QPSK	36	3217	22.84	22.79	22.86				
15	QPSK	36	3254	22.84	22.79	22.86				
15	QPSK	36	3291	22.84	22.79	22.86				
15	QPSK	36	3328	22.84	22.79	22.86				
15	QPSK	36	3365	22.84	22.79	22.86				
15	QPSK	36	3402	22.84	22.79	22.86				
15	QPSK	36	3439	22.84	22.79	22.86				
15	QPSK	36	3476	22.84	22.79	22.86				
15	QPSK	36	3513	22.84	22.79	22.86				
15	QPSK	36	3550	22.84	22.79	22.86				
15	QPSK	36	3587	22.84	22.79	22.86				
15	QPSK	36	3624	22.84	22.79	22.86				
15	QPSK	36	3661	22.84	22.79	22.86				
15	QPSK	36	3698	22.84	22.79	22.86				
15	QPSK	36	3735	22.84	22.79	22.86				
15	QPSK	36	3772	22.84	22.79	22.86				
15	QPSK	36	3809	22.84	22.79	22.86				
15	QPSK	36	3846	22.84	22.79	22.86				
15	QPSK	36	3883	22.84	22.79	22.86				
15	QPSK	36	3920	22.84	22.79	22.86				
15	QPSK	36	3957	22.84	22.79	22.86				
15	QPSK	36	3994	22.84	22.79	22.86				
15	QPSK	36	4031	22.84	22.79	22.86				
15	QPSK	36	4068	22.84	22.79	22.86				
15	QPSK	36	4105	22.84	22.79	22.86				
15	QPSK	36	4142	22.84	22.79	22.86				
15	QPSK	36	4179	22.84	22.79	22.86				
15	QPSK	36	4216	22.84	22.79	22.86				
15	QPSK	36	4253	22.84	22.79	22.86				
15	QPSK	36	4290	22.84	22.79	22.86				
15	QPSK	36	4327	22.84	22.79	22.86				
15	QPSK	36	4364	22.84	22.79	22.86				
15	QPSK	36	4401	22.84	22.79	22.86				
15	QPSK	36	4438	22.84	22.79	22.86				
15	QPSK	36	4475	22.84	22.79	22.86				
15	QPSK	36	4512	22.84	22.79	22.86				
15	QPSK	36	4549	22.84	22.79	22.86				
15	QPSK	36	4586	22.84	22.79	22.86				
15	QPSK	36	4623	22.84	22.79	22.86				
15	QPSK	36	4660	22.84	22.79	22.86				
15	QPSK	36	4697	22.84	22.79	22.86				
15	QPSK	36	4734	22.84	22.79	22.86				
15	QPSK	36	4771	22.84	22.79	22.86				
15	QPSK	36	4808	22.84	22.79	22.86				
15	QPSK	36	4845	22.84	22.7					

Band 26_Ant 2										
RF (MHz)	Modulation	PRB Size	RF Offset	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Turn-on time (μs)	MPE (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.63	24.42	24.37				
15	QPSK	1	37	24.42	24.31	24.26			26	0
15	QPSK	1	74	24.32	24.24	24.13				
15	QPSK	35	0	24.32	24.24	24.13				
15	QPSK	36	20	23.89	23.77	23.67			25	1
15	QPSK	36	20	23.83	23.64	23.52				
15	QPSK	75	0	23.75	23.57	23.49				
15	16QAM	1	0	23.75	23.57	23.49				
15	16QAM	1	74	23.58	23.43	23.31			25	1
15	16QAM	36	0	22.49	22.35	22.28				
15	16QAM	36	20	22.63	22.42	22.34			24	2
15	16QAM	75	0	22.63	22.42	22.34				
15	16QAM	75	0	22.63	22.39	22.37				
15	16QAM	1	37	22.75	22.60	22.51			24	2
15	16QAM	1	74	22.58	22.39	22.28				
15	16QAM	36	20	22.75	22.57	22.47				
15	16QAM	36	20	22.67	21.57	21.16			23	3
15	16QAM	36	39	21.88	21.48	21.17				
15	256QAM	1	0	19.53	19.38	19.38				
15	256QAM	1	37	19.77	19.50	19.35			21	5
15	256QAM	1	74	19.63	19.47	19.31				
15	256QAM	36	0	19.57	19.51	19.50				
15	256QAM	36	20	19.84	19.74	19.76				
15	256QAM	36	20	19.83	19.74	19.74				
15	256QAM	75	0	19.70	19.62	19.57			21	5
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.28	24.42	24.37		Turn-on time (μs)	MPE (dB)	
10	QPSK	1	26	24.38	24.48	24.48			26	0
10	QPSK	1	49	24.34	24.43	24.43				
10	QPSK	1	72	24.34	24.43	24.43				
10	QPSK	25	12	23.49	23.52	23.44			25	1
10	QPSK	25	12	23.49	23.52	23.44				
10	QPSK	25	12	23.49	23.57	23.59				
10	QPSK	25	12	23.49	23.56	23.56			25	1
10	16QAM	1	0	23.63	23.84	23.84				
10	16QAM	1	26	23.69	23.85	23.84				
10	16QAM	1	49	23.79	23.89	23.89				
10	16QAM	25	0	22.38	22.44	22.44				
10	16QAM	25	12	22.45	22.54	22.67			24	2
10	16QAM	25	12	22.45	22.56	22.62				
10	16QAM	50	0	22.41	22.50	22.51				
10	16QAM	1	25	22.48	22.68	22.67			24	2
10	16QAM	1	49	22.62	22.79	22.78				
10	16QAM	1	72	21.34	21.54	21.66				
10	16QAM	25	12	21.49	21.57	21.68				
10	16QAM	25	26	21.44	21.57	21.69				
10	16QAM	50	0	21.42	21.54	21.71				
10	256QAM	1	0	19.63	19.56	19.56			21	5
10	256QAM	1	25	19.81	19.88	19.74				
10	256QAM	1	49	19.63	19.47	19.31				
10	256QAM	36	0	19.57	19.51	19.50				
10	256QAM	36	20	19.84	19.74	19.76				
10	256QAM	36	20	19.83	19.74	19.74				
10	256QAM	75	0	19.70	19.62	19.57			21	5
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.24	24.47	24.55		Turn-on time (μs)	MPE (dB)	
5	QPSK	1	12	24.38	24.54	24.68			26	0
5	QPSK	1	24	24.29	24.44	24.58				
5	QPSK	1	36	24.29	24.44	24.58				
5	QPSK	12	7	23.38	23.53	23.68			25	1
5	QPSK	12	19	23.32	23.44	23.53				
5	QPSK	12	31	23.32	23.44	23.53				
5	16QAM	1	0	23.59	23.85	23.92				
5	16QAM	1	12	23.77	24.03	24.04			25	1
5	16QAM	1	24	23.69	23.95	23.96				
5	16QAM	12	0	22.31	22.40	22.43				
5	16QAM	12	7	22.43	22.62	22.72			24	2
5	16QAM	12	19	22.43	22.62	22.72				
5	16QAM	26	0	22.33	22.45	22.46				
5	16QAM	26	1	22.61	22.73	22.83			24	2
5	16QAM	1	12	22.61	22.73	22.87				
5	16QAM	1	24	22.62	22.67	22.79				
5	16QAM	12	0	21.26	21.37	21.52				
5	16QAM	12	7	21.37	21.61	21.73				
5	16QAM	12	13	21.37	21.54	21.71				
5	16QAM	26	0	21.23	21.41	21.61				
5	256QAM	1	0	19.64	19.61	19.79			21	5
5	256QAM	1	12	19.72	19.74	19.46				
5	256QAM	1	24	19.74	19.46	19.42				
5	256QAM	12	0	19.64	19.61	19.79				
5	256QAM	12	7	19.67	19.72	19.52			21	5
5	256QAM	12	13	19.67	19.71	19.52				
5	256QAM	26	0	19.67	19.69	19.25				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.13	24.33	24.45		Turn-on time (μs)	MPE (dB)	
3	QPSK	1	8	24.19	24.34	24.55			26	0
3	QPSK	1	14	24.10	24.33	24.44				
3	QPSK	1	20	24.10	24.33	24.44				
3	QPSK	8	4	23.23	23.47	23.53			25	1
3	QPSK	8	7	23.21	23.43	23.50				
3	QPSK	8	14	23.21	23.43	23.50				
3	16QAM	1	0	23.48	23.70	23.83				
3	16QAM	1	8	23.69	23.69	23.83			25	1
3	16QAM	1	14	23.69	23.69	23.83				
3	16QAM	8	0	22.21	22.48	22.57				
3	16QAM	8	4	22.35	22.64	22.57			24	2
3	16QAM	8	7	22.35	22.64	22.57				
3	16QAM	16	0	22.25	22.49	22.36				
3	16QAM	1	0	22.22	22.69	22.68			24	2
3	16QAM	1	14	22.32	22.68	22.68				
3	16QAM	8	0	21.18	21.28	21.53				
3	16QAM	8	7	21.18	21.28	21.53				
3	16QAM	8	14	21.18	21.28	21.53			23	3
3	16QAM	16	0	21.23	21.36	21.51				
3	256QAM	1	0	19.63	19.63	19.45			21	5
3	256QAM	1	8	19.67	19.68	19.47				
3	256QAM	1	14	19.68	19.72	19.34				
3	256QAM	16	0	19.67	19.67	19.32				
3	256QAM	8	4	19.62	19.57	19.39			21	5
3	256QAM	8	7	19.66	19.51	19.41				
3	256QAM	8	14	19.66	19.50	19.25				
Channel										
Frequency (MHz)										
14	QPSK	1	0	24.47	24.53	24.57		Turn-on time (μs)	MPE (dB)	
14	QPSK	1	3	24.41	24.51	24.62			26	0
14	QPSK	1	5	24.35	24.51	24.61				
14	QPSK	3	3	24.35	24.51	24.61				
14	QPSK	3	3	24.39	24.53	24.52			25	1
14	16QAM	1	0	23.75	23.86	23.97				
14	16QAM	1	3	23.73	23.85	23.77				
14	16QAM	3	3	23.67	23.81	23.74			25	1
14	16QAM	3	3	23.59	23.70	23.83				
14	16QAM	8	0	22.41	22.68	22.78			24	2
14	16QAM	8	0	22.60	22.72	22.87				
14	16QAM	8	3	22.62	22.74	22.87				
14	16QAM	1	5	22.69	22.85	22.96			24	2
14	16QAM	3	0	22.53	22.68	22.84				
14	16QAM	3	3	22.53	22.68	22.84				
14	16QAM	3	3	22.69	22.71	22.83				
14	16QAM	8	0	21.42	21.61	21.72			23	3
14	16QAM	8	3	21.42	21.61	21.74				
14	16QAM	1	3	19.55	19.68	19.81				
14	256QAM	1	3	19.58	19.60	19.67			21	5
14	256QAM	1	5	19.58	19.60	19.67				
14	256QAM	3	3	19.58	19.60	19.67				
14	256QAM	3	3	19.52	19.65	19.56			21	5
14	256QAM	3	5	19.52	19.65	19.56				
14	256QAM	8	3	19.52	19.65	19.56				

Band 30_Ant 1									
Ref ID#	Mutation	HS Size	HS Offset	Power Loss Ch/Freq	Power Gain Ch/Freq	Power Gain Ch/Freq	Turn-on (dBm)	MFR (dB)	
Channel									
Frequency: 27715									
0	SPRIS	1	0	24.43	24.43	24.43	26	0	
0	SPRIS	1	28	23.02					
0	SPRIS	31	49	23.02	23.02	23.02			
0	SPRIS	31	25	24.34	24.34	24.34	25	1	
0	SPRIS	25	25	24.32	24.32	24.32			
0	SPRIS	25	25	24.67	24.67	24.67			
0	SPRIS	1	0	24.71	24.71	24.71	25	1	
0	SPRIS	1	28	23.34					
0	SPRIS	31	49	23.34	23.34	23.34			
0	SPRIS	31	25	24.66	24.66	24.66	24	2	
0	SPRIS	25	25	23.72	23.72	23.72			
0	SPRIS	25	0	23.52					
0	SPRIS	1	0	23.67	23.67	23.67	24	2	
0	SPRIS	1	28	23.19					
0	SPRIS	31	49	23.87	23.87	23.87			
0	SPRIS	31	25	24.34	24.34	24.34	23	3	
0	SPRIS	25	25	22.35	22.35	22.35			
0	SPRIS	25	25	22.68	22.68	22.68			
0	SPRIS	1	0	23.76	23.76	23.76	21	5	
0	SPRIS	1	28	23.24					
0	SPRIS	31	49	23.21	23.21	23.21			
0	SPRIS	31	25	23.66	23.66	23.66	21	5	
0	SPRIS	25	25	23.28	23.28	23.28			
0	SPRIS	25	12	23.27	23.27	23.27			
0	SPRIS	1	0	23.87	23.87	23.87	21	5	
0	SPRIS	31	49	23.38	23.38	23.38			
0	SPRIS	31	25	23.28	23.28	23.28			
Channel									
Frequency: 27685, 27715, 27735									
0	SPRIS	1	0	25.55	25.55	25.55	26	0	
0	SPRIS	1	12	25.47	25.47	25.47			
0	SPRIS	31	29	25.13	25.48	25.50			
0	SPRIS	31	25	24.22	24.45	24.45	25	1	
0	SPRIS	12	7	24.34	24.34	24.67			
0	SPRIS	12	19	24.18	24.30	24.73			
0	SPRIS	31	0	24.31	24.28	24.76	25	1	
0	SPRIS	1	0	24.88	24.84	24.84			
0	SPRIS	1	12	24.86	24.57	24.58			
0	SPRIS	31	29	24.43	24.63	24.63	23	3	
0	SPRIS	12	0	23.56	23.30	23.25			
0	SPRIS	12	7	23.42	23.28	23.14			
0	SPRIS	31	19	23.37	23.44	23.88	23	3	
0	SPRIS	25	0	23.33	23.34	23.78			
0	SPRIS	1	12	23.80	23.57	23.45			
0	SPRIS	12	10	23.75	23.68	23.71	21	5	
0	SPRIS	1	24	23.33	23.18	23.25			
0	SPRIS	12	0	22.52	22.29	21.91			
0	SPRIS	31	29	22.37	22.37	22.28	21	5	
0	SPRIS	12	18	22.23	22.43	22.48			
0	SPRIS	25	0	22.32	22.32	22.98			
0	SPRIS	12	16	22.47	22.18	22.14	21	5	
0	SPRIS	12	19	22.63	22.10	22.14			
0	SPRIS	12	7	19.91	19.12	19.32			
0	SPRIS	12	15	20.27	20.28	20.17	21	5	
0	SPRIS	12	11	20.17	19.98	19.98			
0	SPRIS	12	7	20.17	19.98	19.98			

Band 30_Ant 2									
EN (MHz)	Modulation	RB Size	RB Offset	Power Level (dBm)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Time-on-air (min)	Latency (ms)
Channel					27710	27710	27710		
5	QPSK	1	0	20.5	20.5	20.5	20.5	0	0
5	QPSK	1	26	19.88	19.88	19.88	19.88	20.5	0
5	QPSK	1	49	20.17	20.17	20.17	20.17	20.5	0
5	QPSK	25	5	19.82	19.82	19.82	19.82	19.5	1
5	QPSK	25	12	19.76	19.76	19.76	19.76	19.5	1
5	QPSK	25	25	19.98	19.98	19.98	19.98	19.5	1
5	QPSK	25	37	19.92	19.92	19.92	19.92	19.5	1
5	QPSK	1	5	19.46	19.46	19.46	19.46	19.5	1
5	QPSK	1	26	19.82	19.82	19.82	19.82	19.5	1
5	QPSK	1	49	19.31	19.31	19.31	19.31	19.5	1
5	QPSK	25	5	17.81	17.81	17.81	17.81	18.5	2
5	QPSK	25	12	17.79	17.79	17.79	17.79	18.5	2
5	QPSK	25	25	18.08	18.08	18.08	18.08	18.5	2
5	QPSK	50	5	17.92	17.92	17.92	17.92	18.5	2
5	QPSK	50	12	17.98	17.98	17.98	17.98	18.5	2
5	QPSK	1	26	17.86	17.86	17.86	17.86	18.5	2
5	QPSK	1	49	18.34	18.34	18.34	18.34	18.5	2
5	QPSK	25	5	18.02	18.02	18.02	18.02	18.5	2
5	QPSK	25	12	18.72	18.72	18.72	18.72	17.5	3
5	QPSK	25	25	17.98	17.98	17.98	17.98	17.5	3
5	QPSK	25	37	18.01	18.01	18.01	18.01	17.5	3
5	QPSK	1	5	14.84	14.84	14.84	14.84	15.5	5
5	QPSK	1	26	14.53	14.53	14.53	14.53	15.5	5
5	QPSK	1	49	14.64	14.64	14.64	14.64	15.5	5
5	QPSK	25	5	14.87	14.87	14.87	14.87	15.5	5
5	QPSK	25	12	14.86	14.86	14.86	14.86	15.5	5
5	QPSK	25	25	15.10	15.10	15.10	15.10	15.5	5
5	QPSK	50	5	14.76	14.76	14.76	14.76	15.5	5
Channel					27865	27710	27750		
5	QPSK	1	0	20.5	20.5	20.5	20.5	0	0
5	QPSK	1	12	19.87	19.82	19.51	19.51	20.5	0
5	QPSK	1	24	19.94	19.26	19.97	19.97	20.5	0
5	QPSK	13	24	19.89	19.81	19.81	19.81	20.5	0
5	QPSK	12	37	19.79	19.84	19.26	19.26	20.5	0
5	QPSK	12	13	19.89	19.77	19.44	19.44	19.5	1
5	QPSK	12	25	19.72	19.68	19.11	19.11	19.5	1
5	QPSK	1	5	19.42	19.59	19.53	19.53	19.5	1
5	QPSK	1	12	19.35	19.26	19.23	19.23	19.5	1
5	QPSK	1	24	19.93	19.26	19.41	19.41	19.5	1
5	QPSK	12	9	18.07	17.88	17	17	17.5	3
5	QPSK	12	13	18.02	17.86	16.87	16.87	17.5	3
5	QPSK	25	5	19.76	19.67	17.13	17.13	17.5	3
5	QPSK	25	12	19.68	19.52	16.48	16.48	17.5	3
5	QPSK	1	12	14.69	14.64	14.84	14.84	15.5	5
5	QPSK	1	24	14.46	14.46	14.50	14.50	15.5	5
5	QPSK	12	24	14.81	14.88	14.82	14.82	15.5	5
5	QPSK	12	37	14.79	14.76	14.81	14.81	15.5	5
5	QPSK	12	13	15.12	14.97	14.92	14.92	15.5	5
5	QPSK	25	5	14.71	14.71	14.77	14.77	15.5	5



Band 66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Time-use (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.27	24.26	24.25	26	0	
20	QPSK	1	48	24.27	24.26	24.25			
20	QPSK	1	96	24.27	24.26	24.25			
20	QPSK	50	0	23.46	23.43	23.51			
20	QPSK	50	24	23.46	23.43	23.51			
20	QPSK	50	48	23.46	23.43	23.51	25	1	
20	QPSK	50	72	23.46	23.43	23.51			
20	QPSK	100	0	23.52	23.46	23.52			
20	QPSK	100	24	23.52	23.46	23.52			
20	QPSK	100	48	23.52	23.46	23.52			
20	QPSK	1	48	22.86	22.85	22.86	24	2	
20	QPSK	1	96	22.86	22.85	22.86			
20	QPSK	50	0	21.56	21.52	21.59			
20	QPSK	50	24	21.56	21.52	21.59			
20	QPSK	50	48	21.56	21.52	21.59			
20	QPSK	50	72	21.56	21.52	21.59	23	3	
20	QPSK	100	0	21.52	21.47	21.65			
20	QPSK	100	24	21.52	21.47	21.65			
20	QPSK	100	48	21.52	21.47	21.65			
20	QPSK	100	72	21.52	21.47	21.65			
20	QPSK	1	0	19.36	19.37	19.37	21	5	
20	QPSK	1	48	19.36	19.36	19.47			
20	QPSK	1	96	19.36	19.36	19.47			
20	QPSK	50	0	19.36	19.36	19.47			
20	QPSK	50	24	19.36	19.47	19.51			
20	QPSK	50	48	19.36	19.47	19.51	21	5	
20	QPSK	50	72	19.36	19.47	19.51			
20	QPSK	100	0	19.47	19.42	19.48			
20	QPSK	100	24	19.47	19.42	19.48			
20	QPSK	100	48	19.47	19.42	19.48			
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.26	24.21	24.43	26	0	
15	QPSK	1	32	24.46	24.41	24.52			
15	QPSK	1	64	24.46	24.41	24.52			
15	QPSK	1	96	24.46	24.41	24.52			
15	QPSK	36	0	23.44	23.37	23.48			
15	QPSK	36	24	23.44	23.37	23.48	25	1	
15	QPSK	36	48	23.44	23.37	23.48			
15	QPSK	72	0	23.47	23.43	23.52			
15	QPSK	72	24	23.47	23.43	23.52			
15	QPSK	72	48	23.47	23.43	23.52			
15	QPSK	1	32	23.78	23.73	23.84	25	1	
15	QPSK	1	64	23.81	23.81	23.81			
15	QPSK	1	96	23.78	23.73	23.84			
15	QPSK	36	0	22.45	22.45	22.48			
15	QPSK	36	24	22.45	22.48	22.48			
15	QPSK	36	48	22.45	22.48	22.48	24	2	
15	QPSK	72	0	22.51	22.46	22.51			
15	QPSK	72	24	22.51	22.46	22.51			
15	QPSK	72	48	22.51	22.46	22.51			
15	QPSK	100	0	22.52	22.52	22.58			
15	QPSK	1	32	23.78	23.73	23.84	24	2	
15	QPSK	1	64	23.81	23.81	23.81			
15	QPSK	1	96	23.78	23.73	23.84			
15	QPSK	36	0	22.45	22.45	22.48			
15	QPSK	36	24	22.45	22.48	22.48			
15	QPSK	36	48	22.45	22.48	22.48	23	3	
15	QPSK	72	0	22.51	22.46	22.51			
15	QPSK	72	24	22.51	22.46	22.51			
15	QPSK	72	48	22.51	22.46	22.51			
15	QPSK	100	0	22.52	22.52	22.58			
15	QPSK	1	32	23.78	23.73	23.84	23	3	
15	QPSK	1	64	23.81	23.81	23.81			
15	QPSK	1	96	23.78	23.73	23.84			
15	QPSK	36	0	22.45	22.45	22.48			
15	QPSK	36	24	22.45	22.48	22.48			
15	QPSK	36	48	22.45	22.48	22.48	21	5	
15	QPSK	72	0	22.51	22.46	22.51			
15	QPSK	72	24	22.51	22.46	22.51			
15	QPSK	72	48	22.51	22.46	22.51			
15	QPSK	100	0	22.52	22.52	22.58			
15	QPSK	1	32	23.78	23.73	23.84	21	5	
15	QPSK	1	64	23.81	23.81	23.81			
15	QPSK	1	96	23.78	23.73	23.84			
15	QPSK	36	0	22.45	22.45	22.48			
15	QPSK	36	24	22.45	22.48	22.48			
15	QPSK	36	48	22.45	22.48	22.48	21	5	
15	QPSK	72	0	22.51	22.46	22.51			
15	QPSK	72	24	22.51	22.46	22.51			
15	QPSK	72	48	22.51	22.46	22.51			
15	QPSK	100	0	22.52	22.52	22.58			
15	QPSK	1	32	23.78	23.73	23.84	21	5	
15	QPSK	1	64	23.81	23.81	23.81			
15	QPSK	1	96	23.78	23.73	23.84			
15	QPSK	36	0	22.45	22.45	22.48			
15	QPSK	36	24	22.45	22.48	22.48			
15	QPSK	36	48	22.45	22.48	22.48	21	5	
15	QPSK	72	0	22.51	22.46	22.51			
15	QPSK	72	24	22.51	22.46	22.51			
15	QPSK	72	48	22.51	22.46	22.51			
15	QPSK	100	0	22.52	22.52	22.58			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.32	24.34	24.43	26	0	
5	QPSK	1	12	24.47	24.42	24.52			
5	QPSK	1	24	24.47	24.42	24.52			
5	QPSK	12	0	23.44	23.44	23.43			
5	QPSK	12	12	23.44	23.44	23.43			
5	QPSK	12	24	23.44	23.44	23.43	25	1	
5	QPSK	12	36	23.44	23.44	23.43			
5	QPSK	12	48	23.44	23.44	23.43			
5	QPSK	12	60	23.44	23.44	23.43			
5	QPSK	12	72	23.44	23.44	23.43			
5	QPSK	1	0	23.81	23.79	23.79	25	1	
5	QPSK	1	12	23.81	23.80	23.87			
5	QPSK	1	24	23.81	23.80	23.87			
5	QPSK	12	0	22.84	22.84	22.85			
5	QPSK	12	12	22.84	22.84	22.85			
5	QPSK	12	24	22.84	22.84	22.85	24	2	
5	QPSK	12	36	22.84	22.84	22.85			
5	QPSK	12	48	22.84	22.84	22.85			
5	QPSK	12	60	22.84	22.84	22.85			
5	QPSK	12	72	22.84	22.84	22.85			
5	QPSK	1	0	22.37	22.37	22.37	24	2	
5	QPSK	1	12	22.37	22.37	22.37			
5	QPSK	1	24	22.37	22.37	22.37			
5	QPSK	12	0	21.46	21.46	21.46			
5	QPSK	12	12	21.46	21.46	21.46			
5	QPSK	12	24	21.46	21.46	21.46	24	2	
5	QPSK	12	36	21.46	21.46	21.46			
5	QPSK	12	48	21.46	21.46	21.46			
5	QPSK	12	60	21.46	21.46	21.46			
5	QPSK	12	72	21.46	21.46	21.46			
5	QPSK	1	0	22.25	22.25	22.25	24	2	
5	QPSK	1	12	22.25	22.25	22.25			
5	QPSK	1	24	22.25	22.25	22.25			
5	QPSK	12	0	21.34	21.34	21.40			
5	QPSK	12	12	21.34	21.34	21.40			
5	QPSK	12	24	21.34	21.34	21.40	24	2	
5	QPSK	12	36	21.34	21.34	21.40			
5	QPSK	12	48	21.34	21.34	21.40			
5	QPSK	12	60	21.34	21.34	21.40			
5	QPSK	12	72	21.34	21.34	21.40			
5	QPSK	1	0	20.36	20.36	20.36	21	5	
5	QPSK	1	12	20.36	20.36	20.36			
5	QPSK	1	24	20.36	20.36	20.36			
5	QPSK	12	0	19.36	19.36	19.36			
5	QPSK	12	12	19.36	19.36	19.36			
5	QPSK	12	24	19.36	19.36	19.36	21	5	
5	QPSK	12	36	19.36	19.36	19.36			
5	QPSK	12	48	19.36	19.36	19.36			
5	QPSK	12	60	19.36	19.36	19.36			
5	QPSK	12	72	19.36	19.36	19.36			
5	QPSK	1	0	19.26	19.26	19.31	21	5	
5	QPSK	1	12	19.26	19.26	19.31			
5	QPSK	1	24	19.26	19.26	19.31			
5	QPSK	12	0	18.26	18.26	18.26			
5	QPSK	12	12	18.26	18.26	18.26			
5	QPSK	12	24	18.26	18.26	18.26	21	5	
5	QPSK	12	36	18.26	18.26	18.26			
5	QPSK	12	48	18.26	18.26	18.26			
5	QPSK	12	60	18.26	18.26	18.26			
5	QPSK	12	72	18.26	18.26	18.26			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.37	24.38	24.38	26	0	
3	QPSK	1	8	24.46	24.46	24.46			
3	QPSK	1	16	24.46	24.46	24.46			
3	QPSK	8	0	23.46	23.46	23.46			
3	QPSK	8	8	23.46	23.46	23.46			
3	QPSK	8	16	23.46	23.46	23.46	25	1	
3	QPSK	8	24	23.46	23.46	23.46			
3	QPSK	16	0	23.47	23.48	23.47			
3	QPSK	16	8	23.47	23.48	23.47			
3	QPSK	16	16	23.47	23.48	23.47			
3	QPSK	1	0	22.75	22.69	22.77	24	2	
3	QPSK	1	8	22.75	22.69	22.77			
3	QPSK	1	16	22.75	22.69	22.77			
3	QPSK	8	0	21.87	21.87	21.87			
3	QPSK	8	8	21.87	21.87	21.87			
3	QPSK	8	16	21.87	21.87	21.87	24	2	
3	QPSK	8	24	21.87	21.87	21.87			
3	QPSK	16	0	21.88	21.88	21.88			
3	QPSK	16	8	21.88	21.88	21.88			
3	QPSK	16	16	21.88	21.88	21.88			
3	QPSK	1	0	21.36	21.45	21.51	23	3	
3	QPSK	1	8	21.36	21.45	21.51			
3	QPSK	1	16	21.36	21.45	21.51			
3	QPSK	8	0	20.43	20.43	20.43			
3	QPSK	8	8	20.43	20.43	20.43			
3	QPSK	8	16	20.43	20.43	20.43	23	3	
3	QPSK	8	24	20.43	20.43	20.43			
3	QPSK	16	0	20.44	20.44	20.44			
3	QPSK	16	8	20.44	20.44	20.44			
3	QPSK	16	16	20.44	20.44	20.44			
3	QPSK	1	0	20.22	20.21	20.21	23	3	

Band 38_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150	26	0		
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.88	24.98	25.03	25	1		
20	QPSK	1	49	25.08	25.20	25.22				
20	QPSK	1	99	25.02	25.12	25.18				
20	QPSK	50	0	23.98	24.09	24.22				
20	QPSK	50	24	24.22	24.21	24.29	25	1		
20	QPSK	50	50	24.13	24.20	24.27				
20	QPSK	100	0	24.06	24.13	24.17				
20	16QAM	1	0	23.74	23.90	24.27				
20	16QAM	1	49	24.42	24.47	24.10	25	1		
20	16QAM	1	99	24.27	24.10	24.23				
20	16QAM	50	0	22.88	23.13	23.20				
20	16QAM	50	24	23.12	23.16	23.27				
20	16QAM	50	50	23.05	23.20	23.33	24	2		
20	16QAM	100	0	23.13	23.16	23.17				
20	64QAM	1	0	22.52	23.12	23.24				
20	64QAM	1	49	23.21	22.81	23.54				
20	64QAM	1	99	23.32	23.23	22.99	24	2		
20	64QAM	50	0	21.98	22.13	22.08				
20	64QAM	50	24	22.13	22.24	22.27				
20	64QAM	50	50	22.12	22.27	22.26				
20	64QAM	100	0	22.12	22.16	22.16	23	3		
20	256QAM	1	0	19.72	19.82	19.97				
20	256QAM	1	49	19.74	19.88	19.67				
20	256QAM	1	99	19.78	19.91	19.87				
20	256QAM	50	0	19.73	19.95	20.07	21	5		
20	256QAM	50	24	19.81	19.98	19.80				
20	256QAM	50	50	19.87	20.00	19.97				
20	256QAM	100	0	19.78	19.90	19.84				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5	26	0		
15	QPSK	1	0	24.72	24.92	25.11				
15	QPSK	1	37	24.78	25.17	25.00	25	1		
15	QPSK	1	74	24.84	24.99	25.00				
15	QPSK	36	0	23.70	23.92	24.03				
15	QPSK	36	20	23.86	23.99	24.09				
15	QPSK	36	39	23.94	24.04	24.04	25	1		
15	QPSK	75	0	23.91	23.94	24.01				
15	16QAM	1	0	23.68	23.75	23.73				
15	16QAM	1	37	23.84	23.90	23.83				
15	16QAM	1	74	24.11	23.86	23.94	25	1		
15	16QAM	36	0	22.67	22.94	22.93				
15	16QAM	36	20	22.89	22.98	23.04				
15	16QAM	36	39	22.81	23.03	22.94				
15	16QAM	75	0	22.80	22.95	22.97	24	2		
15	64QAM	1	0	22.81	22.85	22.68				
15	64QAM	1	37	23.14	23.29	22.88				
15	64QAM	1	74	23.07	23.05	22.83				
15	64QAM	36	0	21.78	22.09	21.91	24	2		
15	64QAM	36	20	21.90	21.92	22.02				
15	64QAM	36	39	21.79	22.05	22.07				
15	64QAM	75	0	21.82	21.94	22.04				
15	256QAM	1	0	19.49	19.63	19.77	21	5		
15	256QAM	1	37	19.56	19.98	19.78				
15	256QAM	1	74	19.58	20.04	19.88				
15	256QAM	36	0	19.75	19.76	19.84				
15	256QAM	36	20	19.90	19.97	19.58	21	5		
15	256QAM	36	39	19.87	19.86	20.05				
15	256QAM	75	0	19.75	19.74	19.71				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615	26	0		
10	QPSK	1	0	24.86	25.09	25.02				
10	QPSK	1	25	24.91	25.16	25.09	25	1		
10	QPSK	1	49	24.90	25.04	25.04				
10	QPSK	25	0	23.88	24.14	24.17				
10	QPSK	25	12	23.97	24.02	24.10				
10	QPSK	25	25	23.99	24.23	24.10	25	1		
10	QPSK	50	0	23.94	24.03	24.18				
10	16QAM	1	0	24.11	24.26	23.97				
10	16QAM	1	25	23.94	24.26	24.10				
10	16QAM	1	49	24.16	24.15	24.06	25	1		
10	16QAM	25	0	22.83	23.09	23.22				
10	16QAM	25	12	23.01	23.12	23.14				
10	16QAM	25	25	22.95	23.20	23.07				
10	16QAM	50	0	22.96	23.03	23.07	24	2		
10	64QAM	1	0	22.49	22.77	23.19				
10	64QAM	1	25	22.89	23.59	23.00				
10	64QAM	1	49	22.95	22.94	23.23				
10	64QAM	25	0	21.74	22.06	22.20	23	3		
10	64QAM	25	12	22.02	22.16	22.10				
10	64QAM	25	25	22.04	22.28	22.14				
10	64QAM	50	0	21.94	22.15	22.09				
10	256QAM	1	0	19.58	19.91	19.89	21	5		
10	256QAM	1	25	19.78	19.85	19.48				
10	256QAM	1	49	19.66	19.95	19.84				
10	256QAM	25	0	19.69	19.94	20.04				
10	256QAM	25	12	19.81	19.76	19.75	21	5		
10	256QAM	25	25	19.84	19.89	19.89				
10	256QAM	50	0	19.77	19.97	19.64				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5	26	0		
5	QPSK	1	0	24.79	25.10	25.02				
5	QPSK	1	12	24.79	25.18	25.09	25	1		
5	QPSK	1	24	24.76	25.12	25.08				
5	QPSK	12	0	23.83	23.88	24.09				
5	QPSK	12	7	23.88	24.08	24.06				
5	QPSK	12	13	23.87	24.09	24.04	25	1		
5	QPSK	25	0	23.81	24.00	24.07				
5	16QAM	1	0	23.90	24.12	24.17				
5	16QAM	1	12	23.94	24.23	24.35				
5	16QAM	1	24	23.92	24.11	24.06	25	1		
5	16QAM	12	0	22.67	22.99	22.99				
5	16QAM	12	7	22.96	23.07	23.12				
5	16QAM	12	13	22.90	23.06	23.07				
5	16QAM	25	0	22.88	23.04	23.16	24	2		
5	64QAM	1	0	22.62	23.00	23.10				
5	64QAM	1	12	23.08	23.10	22.89				
5	64QAM	1	24	22.82	23.02	22.98				
5	64QAM	12	0	21.69	22.05	22.06	24	2		
5	64QAM	12	7	21.92	22.07	22.06				
5	64QAM	12	13	21.86	22.09	22.09				
5	64QAM	25	0	21.84	22.07	22.13				
5	256QAM	1	0	19.51	19.83	19.97	21	5		
5	256QAM	1	12	19.65	19.95	19.64				
5	256QAM	1	24	19.67	19.98	19.68				
5	256QAM	12	0	19.67	19.72	20.20				
5	256QAM	12	7	19.87	19.94	19.93	21	5		
5	256QAM	12	13	19.69	20.13	19.85				
5	256QAM	25	0	19.91	19.83	19.81				

Band 38_Ant 2									
BW [MHz]	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	20.35	20.51	20.73	21.5	0	
20	QPSK	1	49	20.58	20.68	20.77			
20	QPSK	1	99	20.55	20.62	20.60			
20	QPSK	50	0	19.56	19.56	19.71	20.5	1	
20	QPSK	50	24	19.59	19.66	19.75			
20	QPSK	50	50	19.58	19.65	19.71			
20	QPSK	100	0	19.66	19.65	19.73	20.5	1	
20	16QAM	1	0	19.51	19.63	19.42			
20	16QAM	1	49	19.74	19.71	19.72			
20	16QAM	1	99	19.82	19.63	19.75	19.5	2	
20	16QAM	50	0	18.50	18.56	18.75			
20	16QAM	50	24	18.66	18.66	18.72			
20	16QAM	50	50	18.67	18.79	18.76	19.5	2	
20	16QAM	100	0	18.53	18.69	18.74			
20	16QAM	1	0	18.36	18.28	18.61			
20	64QAM	1	49	19.54	19.65	19.93	18.5	3	
20	64QAM	1	99	18.69	18.92	19.05			
20	64QAM	50	0	17.51	17.63	17.72			
20	64QAM	50	24	17.63	17.65	17.83	16.5	5	
20	64QAM	50	50	17.60	17.84	17.84			
20	64QAM	100	0	17.61	17.65	17.71			
20	256QAM	1	0	15.03	15.23	15.07	16.5	5	
20	256QAM	1	49	15.27	15.25	15.28			
20	256QAM	1	99	15.36	15.29	15.24			
20	256QAM	50	0	15.20	15.17	15.08	16.5	5	
20	256QAM	50	24	15.20	15.33	15.14			
20	256QAM	50	50	15.15	15.20	15.20			
20	256QAM	100	0	14.91	15.14	15.07			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	20.08	20.48	20.59	21.5	0	
15	QPSK	1	37	20.40	20.53	20.71			
15	QPSK	1	74	20.46	20.53	20.40			
15	QPSK	36	0	19.62	19.37	19.70	20.5	1	
15	QPSK	36	20	19.56	19.46	19.69			
15	QPSK	36	39	19.60	19.62	19.73			
15	QPSK	75	0	19.54	19.56	19.68	20.5	1	
15	16QAM	1	0	19.15	19.49	19.24			
15	16QAM	1	37	19.54	19.68	19.58			
15	16QAM	1	74	20.04	19.54	19.62	19.5	2	
15	16QAM	36	0	18.24	18.52	18.81			
15	16QAM	36	20	18.57	18.68	18.59			
15	16QAM	36	39	18.73	18.67	18.59	19.5	2	
15	16QAM	75	0	18.32	18.58	18.62			
15	64QAM	1	0	18.34	18.33	18.47			
15	64QAM	1	37	18.31	18.80	19.01	19.5	2	
15	64QAM	1	74	18.76	18.90	18.89			
15	64QAM	36	0	17.33	17.70	17.61			
15	64QAM	36	20	17.68	17.58	17.70	18.5	3	
15	64QAM	36	39	17.55	17.82	17.66			
15	64QAM	75	0	17.49	17.61	17.44			
15	256QAM	1	0	14.75	14.99	15.12	16.5	5	
15	256QAM	1	37	15.33	15.31	15.24			
15	256QAM	1	74	15.29	15.10	15.14			
15	256QAM	36	0	15.24	15.09	15.08	16.5	5	
15	256QAM	36	20	15.02	15.24	14.86			
15	256QAM	36	39	14.98	14.95	15.21			
15	256QAM	75	0	14.92	15.12	15.00			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.10	20.54	20.75	21.5	0	
10	QPSK	1	25	20.55	20.60	20.58			
10	QPSK	1	49	20.35	20.45	20.54			
10	QPSK	25	0	19.62	19.37	19.55	20.5	1	
10	QPSK	25	12	19.51	19.50	19.60			
10	QPSK	25	25	19.60	19.59	19.71			
10	QPSK	50	0	19.43	19.59	19.64	20.5	1	
10	16QAM	1	0	19.24	19.53	19.20			
10	16QAM	1	25	19.61	19.54	19.49			
10	16QAM	1	49	19.56	19.38	19.79	19.5	2	
10	16QAM	25	0	18.32	18.37	18.72			
10	16QAM	25	12	18.61	18.66	18.61			
10	16QAM	25	25	18.59	18.53	18.48	19.5	2	
10	16QAM	50	0	18.26	18.59	18.60			
10	64QAM	1	0	18.16	18.13	18.66			
10	64QAM	1	25	18.58	18.78	18.73	19.5	2	
10	64QAM	1	49	18.73	18.79	18.92			
10	64QAM	25	0	17.25	17.71	17.44			
10	64QAM	25	12	17.64	17.72	17.85	18.5	3	
10	64QAM	25	25	17.59	17.71	17.69			
10	64QAM	50	0	17.63	17.60	17.75			
10	256QAM	1	0	14.96	15.31	15.15	16.5	5	
10	256QAM	1	25	15.35	15.19	15.26			
10	256QAM	1	49	15.42	15.15	15.21			
10	256QAM	25	0	14.98	15.09	14.94	16.5	5	
10	256QAM	25	12	15.17	15.13	15.21			
10	256QAM	25	25	15.11	15.07	15.18			
10	256QAM	50	0	14.66	15.19	14.88			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.19	20.23	20.76	21.5	0	
5	QPSK	1	12	20.59	20.40	20.64			
5	QPSK	1	24	20.34	20.51	20.33			
5	QPSK	12	0	19.60	19.36	19.69	20.5	1	
5	QPSK	12	7	19.56	19.70	19.60			
5	QPSK	12	13	19.58	19.59	19.58			
5	QPSK	25	0	19.51	19.51	19.73	20.5	1	
5	16QAM	1	0	19.43	19.52	19.18			
5	16QAM	1	12	19.82	19.61	19.68			
5	16QAM	1	24	19.64	19.35	19.79	19.5	2	
5	16QAM	12	0	18.45	18.63	18.78			
5	16QAM	12	7	18.51	18.55	18.64			
5	16QAM	12	13	18.66	18.67	18.76	19.5	2	
5	16QAM	25	0	18.59	18.72	18.51			
5	64QAM	1	0	18.38	18.13	18.66			
5	64QAM	1	12	18.26	18.91	19.00	19.5	2	
5	64QAM	1	24	18.52	18.74	18.93			
5	64QAM	12	0	17.42	17.58	17.75			
5	64QAM	12	7	17.48	17.67	17.59	18.5	3	
5	64QAM	12	13	17.49	17.77	17.59			
5	64QAM	25	0	17.49	17.41	17.78			
5	256QAM	1	0	14.82	15.00	14.92	16.5	5	
5	256QAM	1	12	15.20	15.28	15.23			
5	256QAM	1	24	15.09	15.27	15.03			
5	256QAM	12	0	15.09	14.90	14.88	16.5	5	
5	256QAM	12	7	14.94	15.16	15.16			
5	256QAM	12	13	14.95	15.07	15.11			
5	256QAM	25	0	14.88	15.02	14.81			



Band 41_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	26	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	24.76	24.93	25.00	25.01	24.63	25	1	
20	QPSK	1	49	24.82	24.97	25.12	25.23	25.24			
20	QPSK	1	99	24.75	24.94	25.10	24.98	24.96	25	1	
20	QPSK	50	0	23.82	23.91	24.02	24.07	24.08			
20	QPSK	50	24	23.91	23.99	24.22	24.23	24.26	25	1	
20	QPSK	50	50	23.89	23.96	24.20	24.18	24.17			
20	QPSK	100	0	23.84	23.99	24.13	24.19	24.21	25	1	
20	16QAM	1	0	23.75	23.52	24.34	24.14	23.80			
20	16QAM	1	49	23.57	23.71	23.95	24.22	24.29	25	1	
20	16QAM	1	99	23.64	24.08	24.07	23.88	23.85			
20	16QAM	50	0	22.78	22.88	23.05	23.13	23.06	24	2	
20	16QAM	50	24	22.85	23.05	23.13	23.28	23.18			
20	16QAM	50	50	22.85	23.02	23.15	23.17	23.26	24	2	
20	16QAM	100	0	22.89	22.98	23.09	23.16	23.19			
20	64QAM	1	0	22.63	22.63	22.96	22.90	22.73	24	2	
20	64QAM	1	49	23.01	22.80	23.07	23.22	23.27			
20	64QAM	1	99	22.71	23.32	22.89	22.75	23.16	23	3	
20	64QAM	50	0	21.75	21.92	22.10	22.14	22.15			
20	64QAM	50	24	21.90	21.94	22.15	22.31	22.27	23	3	
20	64QAM	50	50	21.89	22.07	22.12	22.20	22.20			
20	64QAM	100	0	21.93	22.01	22.16	22.16	22.22	21	5	
20	256QAM	1	0	19.41	19.64	19.65	19.88	19.52			
20	256QAM	1	49	19.21	19.40	19.62	19.51	19.59	21	5	
20	256QAM	1	99	19.45	19.61	19.75	19.50	19.54			
20	256QAM	50	0	19.44	19.75	19.83	19.72	19.62	21	5	
20	256QAM	50	24	19.17	19.38	19.68	19.53	19.68			
20	256QAM	50	50	19.49	19.47	19.73	19.63	19.72	21	5	
20	256QAM	100	0	19.36	19.58	19.65	19.63	19.87			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	26	0	
15	QPSK	1	0	24.62	24.56	24.65	24.89	24.59			
15	QPSK	1	37	24.61	24.72	24.79	25.15	25.03	25	1	
15	QPSK	1	74	24.54	24.62	25.08	24.86	24.85			
15	QPSK	36	0	23.64	23.62	23.83	23.97	23.88	25	1	
15	QPSK	36	20	23.65	23.79	23.93	24.08	24.06			
15	QPSK	36	39	23.67	23.76	23.95	23.97	23.99	25	1	
15	QPSK	75	0	23.69	23.79	23.94	24.08	23.95			
15	16QAM	1	0	23.36	23.57	23.96	23.86	23.81	24	2	
15	16QAM	1	37	23.81	23.65	23.62	24.49	24.11			
15	16QAM	1	74	23.74	23.76	23.58	23.76	24.11	24	2	
15	16QAM	36	0	22.74	22.71	22.83	23.00	22.91			
15	16QAM	36	20	22.66	22.79	22.83	23.06	23.05	24	2	
15	16QAM	36	39	22.66	22.76	22.92	23.06	23.02			
15	16QAM	75	0	22.71	22.81	22.87	22.97	23.02	24	2	
15	64QAM	1	0	22.53	22.95	23.03	22.90	22.78			
15	64QAM	1	37	22.84	22.99	22.53	22.79	22.76	23	3	
15	64QAM	1	74	22.79	22.97	22.78	22.72	22.77			
15	64QAM	36	0	21.66	21.63	21.81	21.95	21.96	21	5	
15	64QAM	36	20	21.69	21.85	21.88	22.07	22.03			
15	64QAM	36	39	21.72	21.68	21.95	22.10	21.95	21	5	
15	64QAM	75	0	21.68	21.81	21.91	21.96	21.95			
15	256QAM	1	0	19.29	19.51	19.49	19.84	19.24	21	5	
15	256QAM	1	37	19.55	19.51	19.53	19.84	19.44			
15	256QAM	1	74	19.27	19.63	19.72	19.78	19.33	21	5	
15	256QAM	36	0	19.33	19.45	19.61	19.81	19.69			
15	256QAM	36	20	19.23	19.38	19.73	19.65	19.81	21	5	
15	256QAM	36	39	19.54	19.58	19.80	19.60	19.86			
15	256QAM	75	0	19.43	19.51	19.51	19.61	19.84	26	0	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685	26	0	
10	QPSK	1	0	24.54	24.81	24.95	24.68	24.82			
10	QPSK	1	25	24.78	24.88	24.96	25.02	25.17	25	1	
10	QPSK	1	49	24.69	24.77	25.07	24.85	24.82			
10	QPSK	25	0	23.74	23.70	23.94	24.02	24.08	25	1	
10	QPSK	25	12	23.73	23.88	23.93	24.23	24.09			
10	QPSK	25	25	23.76	23.84	24.02	24.17	23.95	25	1	
10	QPSK	50	0	23.77	23.90	23.99	24.10	24.04			
10	16QAM	1	0	23.91	23.95	23.82	23.86	23.57	25	1	
10	16QAM	1	25	23.47	23.73	24.20	24.21	23.82			
10	16QAM	1	49	23.69	23.72	23.92	23.78	24.05	24	2	
10	16QAM	25	0	22.62	22.75	22.92	23.09	23.07			
10	16QAM	25	12	22.76	22.80	22.85	23.20	23.13	24	2	
10	16QAM	25	25	22.63	22.81	23.10	23.09	23.02			
10	16QAM	50	0	22.77	22.84	22.97	23.16	23.03	24	2	
10	64QAM	1	0	22.82	22.83	23.02	22.51	22.82			
10	64QAM	1	25	22.52	22.86	22.42	23.04	23.00	23	3	
10	64QAM	1	49	23.03	22.82	22.81	22.93	22.58			
10	64QAM	25	0	21.75	21.71	21.91	22.04	22.06	21	5	
10	64QAM	25	12	21.70	21.90	22.06	22.24	22.12			
10	64QAM	25	25	21.65	21.85	22.07	22.11	21.93	21	5	
10	64QAM	50	0	21.72	21.83	22.12	22.10	21.95			
10	256QAM	1	0	19.32	19.59	19.72	19.65	19.25	21	5	
10	256QAM	1	25	19.31	19.60	19.70	19.48	19.44			
10	256QAM	1	49	19.58	19.64	19.66	19.65	19.49	21	5	
10	256QAM	25	0	19.49	19.63	19.54	19.77	19.49			
10	256QAM	25	12	19.34	19.49	19.50	19.33	19.70	21	5	
10	256QAM	25	25	19.64	19.33	19.89	19.50	19.81			
10	256QAM	50	0	19.58	19.54	19.86	19.63	19.86	26	0	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	26	0	
5	QPSK	1	0	24.81	24.89	24.91	25.18	25.06			
5	QPSK	1	12	24.86	24.99	25.06	25.21	25.12	25	1	
5	QPSK	1	24	24.84	25.02	25.11	25.18	25.06			
5	QPSK	12	0	23.82	23.89	24.03	24.21	24.20	25	1	
5	QPSK	12	7	23.81	24.06	24.12	24.38	24.21			
5	QPSK	12	13	23.76	23.88	24.05	24.29	24.21	25	1	
5	QPSK	25	0	23.86	23.94	24.15	24.32	24.15			
5	16QAM	1	0	23.69	23.68	23.70	24.27	24.13	25	1	
5	16QAM	1	12	24.07	23.80	24.36	24.05	24.18			
5	16QAM	1	24	23.78	24.21	23.99	24.05	24.12	24	2	
5	16QAM	12	0	22.82	22.96	23.09	23.21	23.23			
5	16QAM	12	7	22.81	22.94	23.19	23.24	23.19	24	2	
5	16QAM	12	13	22.80	22.90	23.05	23.11	23.13			
5	16QAM	25	0	22.74	22.80	23.13	23.28	23.25	23	3	
5	64QAM	1	0	22.78	22.66	22.84	22.98	22.86			
5	64QAM	1	12	22.63	22.80	23.01	22.91	22.87	24	2	
5	64QAM	1	24	22.63	22.74	23.07	23.08	22.96			
5	64QAM	12	0	21.84	22.04	22.00	22.21	22.18	23	3	
5	64QAM	12	7	21.90	21.78	22.17	22.26	22.24			
5	64QAM	12	13	21.86	21.85	21.99	22.23	22.13	21	5	
5	64QAM	25	0	21.85	22.06	22.10	22.26	22.14			
5	256QAM	1	0	19.44	19.36	19.53	19.73	19.43	21	5	
5	256QAM	1	12	19.36	19.42	19.68	19.78	19.54			
5	256QAM	1	24	19.43	19.53	19.64	19.62	19.40	21	5	
5	256QAM	12	0	19.33	19.40	19.50	19.83	19.50			
5	256QAM	12	7	19.40	19.32	19.81	19.45	19.62	21	5	
5	256QAM	12	13	19.74	19.40	19.67	19.47	19.62			
5	256QAM	25	0	19.47	19.75	19.67	19.74	19.61			

Band 41_Ant 2										
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	21.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.06	20.34	20.52	20.30	20.40	20.5	1
20	QPSK	1	49	20.52	20.46	20.55	20.77	20.80		
20	QPSK	1	99	20.24	20.40	20.50	20.37	20.63	20.5	1
20	QPSK	50	0	19.32	19.38	19.48	19.64	19.64		
20	QPSK	50	24	19.46	19.49	19.56	19.76	19.78	20.5	1
20	QPSK	50	50	19.30	19.42	19.52	19.69	19.67		
20	QPSK	100	0	19.33	19.47	19.63	19.71	19.75	20.5	1
20	16QAM	1	0	19.25	19.61	19.61	19.57	19.11		
20	16QAM	1	49	19.34	19.52	19.66	19.71	19.90	20.5	1
20	16QAM	1	99	19.04	19.41	19.63	19.38	19.73		
20	16QAM	50	0	18.36	18.46	18.53	18.73	18.62	19.5	2
20	16QAM	50	24	18.36	18.47	18.65	18.88	18.78		
20	16QAM	50	50	18.42	18.49	18.75	18.72	18.72	19.5	2
20	16QAM	100	0	18.42	18.61	18.66	18.74	18.68		
20	64QAM	1	0	18.25	18.02	18.56	18.82	18.44	19.5	2
20	64QAM	1	49	18.65	18.42	18.75	18.81	18.67		
20	64QAM	1	99	18.38	18.20	18.69	18.27	18.66	18.5	3
20	64QAM	50	0	17.20	17.40	17.66	17.60	17.53		
20	64QAM	50	24	17.44	17.58	17.55	17.87	17.80	18.5	3
20	64QAM	50	50	17.32	17.49	17.60	17.78	17.72		
20	64QAM	100	0	17.39	17.57	17.64	17.71	17.78	16.5	5
20	256QAM	1	0	15.03	15.13	15.05	15.07	15.11		
20	256QAM	1	49	15.12	15.01	15.11	14.96	14.91	16.5	5
20	256QAM	1	99	15.14	15.03	15.24	15.21	15.10		
20	256QAM	50	0	15.12	15.18	15.12	15.29	15.14	16.5	5
20	256QAM	50	24	15.07	15.08	15.07	15.05	15.13		
20	256QAM	50	50	15.17	15.09	15.21	15.11	15.08	16.5	5
20	256QAM	100	0	14.93	15.05	15.17	15.10	14.99		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	21.5	0
15	QPSK	1	0	19.97	20.28	20.52	20.33	20.42		
15	QPSK	1	37	20.54	20.42	20.51	20.72	20.79	20.5	1
15	QPSK	1	74	20.25	20.49	20.57	20.46	20.75		
15	QPSK	36	0	19.31	19.30	19.52	19.54	19.67	20.5	1
15	QPSK	36	20	19.46	19.42	19.49	19.78	19.67		
15	QPSK	36	39	19.26	19.41	19.46	19.71	19.57	20.5	1
15	QPSK	75	0	19.42	19.38	19.62	19.67	19.85		
15	16QAM	1	0	19.31	19.72	19.72	19.47	19.04	20.5	1
15	16QAM	1	37	19.40	19.44	19.75	19.66	19.80		
15	16QAM	1	74	19.00	19.44	19.51	19.29	19.84	19.5	2
15	16QAM	36	0	18.32	18.43	18.64	18.65	18.74		
15	16QAM	36	20	18.29	18.44	18.67	18.87	18.90	19.5	2
15	16QAM	36	39	18.46	18.49	18.82	18.78	18.61		
15	16QAM	75	0	18.34	18.52	18.64	18.85	18.64	19.5	2
15	64QAM	1	0	18.15	18.09	18.55	18.72	18.44		
15	64QAM	1	37	18.76	18.35	18.82	18.90	18.60	18.5	3
15	64QAM	1	74	18.41	18.29	18.66	18.31	18.71		
15	64QAM	36	0	17.26	17.51	17.78	17.53	17.60	16.5	5
15	64QAM	36	20	17.48	17.60	17.56	17.92	17.72		
15	64QAM	36	39	17.21	17.50	17.50	17.68	17.73	16.5	5
15	64QAM	75	0	17.50	17.63	17.75	17.79	17.72		
15	256QAM	1	0	15.04	15.30	15.08	15.21	15.26	16.5	5
15	256QAM	1	37	15.24	15.20	15.16	14.96	14.96		
15	256QAM	1	74	15.26	15.14	15.39	15.21	15.22	16.5	5
15	256QAM	36	0	15.27	15.32	15.33	15.47	15.20		
15	256QAM	36	20	15.15	15.13	15.09	15.17	15.24	16.5	5
15	256QAM	36	39	15.21	15.16	15.30	15.25	15.22		
15	256QAM	75	0	15.08	15.22	15.33	15.25	15.08	Tune-up limit (dBm)	MPR (dB)
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	21.5	0
10	QPSK	1	0	20.05	20.24	20.46	20.21	20.52		
10	QPSK	1	25	20.45	20.42	20.59	20.79	20.78	20.5	1
10	QPSK	1	49	20.30	20.35	20.58	20.45	20.60		
10	QPSK	25	0	19.39	19.46	19.39	19.60	19.58	20.5	1
10	QPSK	25	12	19.52	19.58	19.49	19.75	19.66		
10	QPSK	25	25	19.29	19.44	19.52	19.71	19.69	20.5	1
10	QPSK	50	0	19.27	19.43	19.66	19.66	19.67		
10	16QAM	1	0	19.37	19.72	19.70	19.45	19.10	20.5	1
10	16QAM	1	25	19.40	19.64	19.67	19.74	19.85		
10	16QAM	1	49	19.00	19.41	19.73	19.33	19.72	19.5	2
10	16QAM	25	0	18.42	18.47	18.42	18.77	18.69		
10	16QAM	25	12	18.40	18.53	18.70	18.96	18.74	19.5	2
10	16QAM	25	25	18.44	18.52	18.84	18.81	18.79		
10	16QAM	50	0	18.51	18.59	18.63	18.83	18.78	19.5	2
10	64QAM	1	0	18.33	18.00	18.49	18.91	18.56		
10	64QAM	1	25	18.54	18.39	18.78	18.91	18.77	18.5	3
10	64QAM	1	49	18.34	18.08	18.62	18.21	18.78		
10	64QAM	25	0	17.25	17.45	17.66	17.65	17.55	16.5	5
10	64QAM	25	12	17.35	17.55	17.60	17.88	17.77		
10	64QAM	25	25	17.41	17.37	17.54	17.85	17.74	16.5	5
10	64QAM	50	0	17.40	17.52	17.63	17.68	17.89		
10	256QAM	1	0	15.08	15.28	15.20	15.27	15.12	16.5	5
10	256QAM	1	25	15.27	15.09	15.16	15.12	14.99		
10	256QAM	1	49	15.14	15.25	15.22	15.36	15.23	16.5	5
10	256QAM	25	0	15.17	15.24	15.30	15.30	15.27		
10	256QAM	25	12	15.06	15.23	15.15	15.18	15.15	16.5	5
10	256QAM	25	25	15.36	15.07	15.39	15.26	15.25		
10	256QAM	50	0	14.93	15.11	15.36	15.23	15.05	Tune-up limit (dBm)	MPR (dB)
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	21.5	0
5	QPSK	1	0	20.03	20.31	20.43	20.18	20.39		
5	QPSK	1	12	20.44	20.52	20.61	20.73	20.77	20.5	1
5	QPSK	1	24	20.13	20.42	20.60	20.42	20.74		
5	QPSK	12	0	19.33	19.47	19.40	19.60	19.73	20.5	1
5	QPSK	12	7	19.56	19.38	19.54	19.85	19.67		
5	QPSK	12	13	19.31	19.42	19.54	19.75	19.63	20.5	1
5	QPSK	25	0	19.40	19.54	19.64	19.83	19.82		
5	16QAM	1	0	19.26	19.68	19.60	19.58	19.14	20.5	1
5	16QAM	1	12	19.35	19.63	19.61	19.78	19.96		
5	16QAM	1	24	18.93	19.37	19.63	19.35	19.72	19.5	2
5	16QAM	12	0	18.38	18.41	18.60	18.81	18.53		
5	16QAM	12	7	18.40	18.47	18.53	18.86	18.77	19.5	2
5	16QAM	12	13	18.38	18.43	18.83	18.66	18.66		
5	16QAM	25	0	18.38	18.67	18.62	18.70	18.80	19.5	2
5	64QAM	1	0	18.35	18.00	18.58	18.85	18.40		
5	64QAM	1	12	18.68	18.37	18.75	18.78	18.62	18.5	3
5	64QAM	1	24	18.47	18.12	18.59	18.23	18.67		
5	64QAM	12	0	17.28	17.37	17.57	17.61	17.42	18.5	3
5	64QAM	12	7	17.50	17.57	17.64	17.86	17.78		
5	64QAM	12	13	17.34	17.51	17.56	17.90	17.60	16.5	5
5	64QAM	25	0	17.36	17.58	17.60	17.67	17.70		
5	256QAM	1	0	15.11	15.20	15.16	15.22	15.12	16.5	5
5	256QAM	1	12	15.13	15.01	15.25	15.14	14.96		
5	256QAM	1	24	15.26	15.05	15.45	15.33	15.28	16.5	5
5	256QAM	12	0	15.20	15.34	15.33	15.45	15.16		
5	256QAM	12	7	15.07	15.18	15.23	15.12	15.25	16.5	5
5	256QAM	12	13	15.22	15.30	15.38	15.23	15.19		
5	256QAM	25	0	14.96	15.26	15.15	15.17	15.14	Tune-up limit (dBm)	MPR (dB)



WWAN Power for State 11

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel				Limit			
	Frequency (MHz)				824.2 836.4 848.8			
GSM 1 Tx slot	32.76	32.50	32.88	34.00	23.76	23.50	23.88	25.00
GPRS 1 Tx slot	32.77	32.52	32.89	34.00	23.77	23.52	23.89	25.00
GPRS 2 Tx slots	32.76	32.45	32.83	34.00	26.76	26.45	26.83	28.00
EDGE 1 Tx slot	26.58	26.62	26.73	29.00	17.58	17.62	17.73	20.00
EDGE 2 Tx slots	26.50	26.57	26.72	29.00	20.50	20.57	20.72	23.00

GSM1900_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel							
	Frequency (MHz)							
	512	661	810		512	661	810	
	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.07	30.02	30.10	31.00	21.07	21.02	21.10	22.00
GPRS 1 Tx slot	30.05	30.00	30.08	31.00	21.05	21.00	21.08	22.00
GPRS 2 Tx slots	29.84	29.86	29.89	31.00	23.84	23.86	23.89	25.00
EDGE 1 Tx slot	25.23	25.49	25.64	28.00	16.23	16.49	16.64	19.00
EDGE 2 Tx slots	25.16	25.41	25.52	28.00	19.16	19.41	19.52	22.00

GSM1900_Ant 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel							
	Frequency (MHz)							
	512	661	810		512	661	810	
	1850.2	1860	1909.8	(dBm)	1850.2	1860	1909.8	(dBm)
GSM 1 Tx slot	28.15	28.03	28.25	29.50	19.15	19.03	19.25	20.50
GPRS 1 Tx slot	28.12	27.99	28.23	29.50	19.12	18.99	19.23	20.50
GPRS 2 Tx slots	27.85	27.93	27.86	29.50	21.85	21.93	21.86	23.50
EDGE 1 Tx slot	23.38	23.65	23.62	26.50	14.38	14.65	14.62	17.50
EDGE 2 Tx slots	23.14	23.62	23.54	26.50	17.14	17.62	17.54	20.50

Band	WCDMA II_Ant 1					WCDMA II_Ant 2				
	TX Channel				Tune-up Limit (dBm)	Limit				
	Frequency (MHz)					9262 9400 9538				
	9262	9400	9538			9262	9400	9538		
	9662	9800	9938			9662	9800	9938		Tune-up Limit (dBm)
	1852.4	1880	1907.6			1852.4	1880	1907.6		
3GPP Rel 99	AMR 12.2Kbps	25.15	25.08	25.16	25.50	21.70	21.66	21.73	22.50	
3GPP Rel 99	RMC 12.2Kbps	25.17	25.11	25.19	25.50	21.73	21.67	21.75	22.50	
3GPP Rel 6	HSDPA Subtest-1	23.96	23.92	24.03	24.50	20.71	20.58	20.49	21.50	
3GPP Rel 6	HSDPA Subtest-2	23.96	23.94	24.02	24.50	20.62	20.66	20.43	21.50	
3GPP Rel 6	HSDPA Subtest-3	23.49	23.42	23.50	24.00	20.11	20.04	20.02	21.00	
3GPP Rel 6	HSDPA Subtest-4	23.46	23.43	23.49	24.00	20.21	20.02	20.08	21.00	
3GPP Rel 6	DC-HSDPA Subtest-1	23.88	23.84	23.96	24.50	20.58	20.49	20.58	21.50	
3GPP Rel 6	DC-HSDPA Subtest-2	23.85	23.80	23.93	24.50	20.60	20.43	20.54	21.50	
3GPP Rel 6	DC-HSDPA Subtest-3	23.37	23.35	23.43	24.00	20.14	20.02	19.91	21.00	
3GPP Rel 6	DC-HSDPA Subtest-4	23.36	23.36	23.41	24.00	19.99	19.87	20.02	21.00	
3GPP Rel 6	HSUPA Subtest-1	23.90	23.97	24.08	24.50	20.58	20.67	20.50	21.00	
3GPP Rel 6	HSUPA Subtest-2	21.99	22.01	22.08	22.50	18.65	18.55	18.61	19.00	
3GPP Rel 6	HSUPA Subtest-3	23.04	22.96	23.09	23.50	19.65	19.65	19.60	20.00	
3GPP Rel 6	HSUPA Subtest-4	22.05	22.02	22.13	22.50	18.82	18.69	18.54	19.00	
3GPP Rel 6	HSUPA Subtest-5	24.10	24.00	24.10	24.50	20.84	20.57	20.70	21.00	

Band	WCDMA IV_Ant 1				Tune-up Limit (dBm)	WCDMA IV_Ant 2				Tune-up Limit (dBm)
	TX Channel		RX Channel			TX Channel		RX Channel		
	1312	1413	1513			1312	1413	1513		
	1537	1638	1738			1537	1638	1738		
Frequency (MHz)	1712.4	1732.6	1752.6			1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	25.27	25.02	25.00	25.50	24.33	24.13	24.08	25.00	
3GPP Rel 99	RMC 12.2Kbps	25.30	25.04	25.02	25.50	24.39	24.14	24.11	25.00	
3GPP Rel 6	HSDPA Subtest-1	24.07	23.87	23.80	24.50	23.32	23.00	23.07	24.00	
3GPP Rel 6	HSDPA Subtest-2	24.04	23.88	23.78	24.50	23.29	23.10	23.04	24.00	
3GPP Rel 6	HSDPA Subtest-3	23.60	23.35	23.29	24.00	22.77	22.56	22.52	23.50	
3GPP Rel 6	HSDPA Subtest-4	23.56	23.33	23.30	24.00	22.69	22.59	22.45	23.50	
3GPP Rel 6	DC-HSDPA Subtest-1	23.93	23.76	23.71	24.50	23.07	23.03	22.89	24.00	
3GPP Rel 6	DC-HSDPA Subtest-2	23.91	23.79	23.67	24.50	23.04	22.87	22.82	24.00	
3GPP Rel 6	DC-HSDPA Subtest-3	23.51	23.23	23.14	24.00	22.63	22.37	22.42	23.50	
3GPP Rel 6	DC-HSDPA Subtest-4	23.48	23.25	23.15	24.00	22.75	22.37	22.43	23.50	
3GPP Rel 6	HSUPA Subtest-1	24.10	23.91	23.90	24.50	23.27	23.15	23.14	24.00	
3GPP Rel 6	HSUPA Subtest-2	22.14	21.93	21.84	22.50	21.38	21.19	21.03	22.00	
3GPP Rel 6	HSUPA Subtest-3	23.11	22.94	22.88	23.50	22.24	21.99	22.02	23.00	
3GPP Rel 6	HSUPA Subtest-4	22.14	21.92	21.90	22.50	21.20	21.00	21.18	22.00	
3GPP Rel 6	HSUPA Subtest-5	24.10	23.90	23.90	24.50	23.15	22.98	23.08	24.00	

Band	WCDMA V_Ant 0					WCDMA V_Ant 2				
	TX Channel				Tune-up Limit (dBm)	Limit				
	Frequency (MHz)					4357 4407 4458				
	4132	4182	4233			4132	4182	4233		
	4357	4407	4458			4357	4407	4458		
	826.4	836.4	846.6			826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	24.79	24.75	24.81	25.50	21.39	21.45	21.53	22.50	
3GPP Rel 99	RMC 12.2Kbps	24.80	24.77	24.87	25.50	21.38	21.43	21.55	22.50	
3GPP Rel 6	HSDPA Subtest-1	23.73	23.70	23.77	24.50	20.60	20.46	20.61	21.50	
3GPP Rel 6	HSDPA Subtest-2	23.75	23.74	23.77	24.50	20.71	20.41	20.69	21.50	
3GPP Rel 6	HSDPA Subtest-3	23.27	23.24	23.25	24.00	20.21	20.06	20.22	21.00	
3GPP Rel 6	HSDPA Subtest-4	23.23	23.18	23.20	24.00	20.20	20.06	19.96	21.00	
3GPP Rel 6	DC-HSDPA Subtest-1	23.69	23.67	23.77	24.50	20.59	20.46	20.51	21.50	
3GPP Rel 6	DC-HSDPA Subtest-2	23.68	23.68	23.68	24.50	20.61	20.40	20.55	21.50	
3GPP Rel 6	DC-HSDPA Subtest-3	23.18	23.16	23.21	24.00	20.00	20.00	20.13	21.00	
3GPP Rel 6	DC-HSDPA Subtest-4	23.17	23.11	23.11	24.00	20.10	19.98	19.92	21.00	
3GPP Rel 6	HSUPA Subtest-1	23.74	23.71	23.76	24.50	20.50	20.45	20.71	21.50	
3GPP Rel 6	HSUPA Subtest-2	21.75	21.72	21.78	22.50	19.59	19.42	19.50	19.50	
3GPP Rel 6	HSUPA Subtest-3	22.75	22.71	22.83	23.50	19.47	19.46	19.58	20.50	
3GPP Rel 6	HSUPA Subtest-4	21.75	21.71	21.80	22.50	18.47	18.42	18.55	19.50	
3GPP Rel 6	HSUPA Subtest-5	23.70	23.70	23.80	24.50	20.60	20.60	20.70	21.50	



Band 2_Ant 1													
BW (MHz)	Modulation	RB Sub	RB Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Turn-on time (sec)	APRS (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	5	24.48	24.37	24.38			26	0			
20	QPSK	1	49	24.38	24.33	24.33							
20	QPSK	1	99	24.38	24.36	24.31			25	1			
20	QPSK	50	5	23.47	23.37	23.48							
20	QPSK	50	24	23.52	23.42	23.53			25	1			
20	QPSK	50	50	23.47	23.41	23.53							
20	QPSK	100	5	23.49	23.42	23.50			25	1			
20	QPSK	100	50	23.37	23.28	23.50							
20	16QAM	1	49	23.38	23.32	23.38			24	2			
20	16QAM	1	99	23.68	23.61	23.63							
20	16QAM	50	5	22.48	22.39	22.50			24	2			
20	16QAM	50	24	22.54	22.45	22.58							
20	16QAM	100	50	22.46	22.41	22.51			23	3			
20	16QAM	100	50	22.52	22.49	22.56							
20	8QAM	1	0	22.69	22.64	22.67			24	2			
20	8QAM	1	49	22.76	22.65	22.80							
20	8QAM	50	5	22.56	22.54	22.57			23	3			
20	8QAM	50	24	21.53	21.45	21.59							
20	8QAM	100	50	21.47	21.41	21.55			21	5			
20	8QAM	100	50	21.51	21.42	21.55							
20	256QAM	1	0	19.88	19.71	19.93			21	5			
20	256QAM	1	49	19.83	19.80	19.72							
20	256QAM	1	99	19.88	19.71	19.93			21	5			
20	256QAM	50	5	19.89	19.86	19.71							
20	256QAM	50	24	19.87	19.87	19.88			21	5			
20	256QAM	100	50	19.90	19.73	19.98							
20	256QAM	100	50	19.93	19.73	19.98							
Channel													
Frequency (MHz)													
16	QPSK	1	5	18.07	18.00	18.03			26	0			
16	QPSK	1	5	24.38	24.32	24.43							
16	QPSK	1	49	24.38	24.40	24.51			25	1			
16	QPSK	50	5	23.44	23.36	23.49							
16	QPSK	50	24	23.47	23.41	23.57			25	1			
16	QPSK	36	39	23.38	23.41	23.36							
16	QPSK	75	0	23.47	23.41	23.57			25	1			
16	16QAM	1	0	23.17	23.11	23.76							
16	16QAM	1	37	18.08	18.07	18.04			24	2			
16	16QAM	1	37	18.08	18.07	18.04							
16	16QAM	36	5	22.47	22.38	22.51			24	2			
16	16QAM	36	20	22.49	22.43	22.59							
16	16QAM	75	0	22.47	22.44	22.57			23	3			
16	8QAM	1	0	22.61	22.60	22.68							
16	8QAM	37	0	22.61	22.60	22.68			23	3			
16	8QAM	1	74	22.57	22.55	22.72							
16	8QAM	36	5	21.48	21.38	21.51			21	5			
16	8QAM	36	20	21.46	21.41	21.56							
16	8QAM	75	0	21.45	21.41	21.59			21	5			
16	8QAM	75	0	21.42	21.44	21.56							
16	256QAM	1	0	19.88	19.81	19.85			21	5			
16	256QAM	1	37	19.89	19.87	19.85							
16	256QAM	1	74	19.88	19.79	19.94			21	5			
16	256QAM	36	5	19.88	19.85	19.76							
16	256QAM	36	20	19.85	19.88	19.86			21	5			
16	256QAM	75	0	19.87	19.88	19.86							
16	256QAM	75	0	19.84	19.85	19.82			21	5			
16	256QAM	36	59	19.84	19.85	19.82							
16	256QAM	16	0	19.78	19.77	19.84							
Channel													
Frequency (MHz)													
16	QPSK	1	5	24.38	24.32	24.43			26	0			
16	QPSK	1	49	24.38	24.40	24.51							
16	QPSK	1	74	24.38	24.39	24.46			25	1			
16	QPSK	36	5	23.44	23.36	23.49							
16	QPSK	36	20	23.47	23.41	23.57			25	1			
16	QPSK	36	39	23.38	23.41	23.36							
16	QPSK	75	0	23.47	23.41	23.57			25	1			
16	16QAM	1	0	23.17	23.11	23.76							
16	16QAM	1	37	18.08	18.07	18.04			24	2			
16	16QAM	1	37	18.08	18.07	18.04							
16	16QAM	36	5	22.47	22.38	22.51			24	2			
16	16QAM	36	20	22.49	22.43	22.59							
16	16QAM	75	0	22.47	22.44	22.57			23	3			
16	8QAM	1	0	22.61	22.60	22.68							
16	8QAM	37	0	22.61	22.60	22.68			23	3			
16	8QAM	1	74	22.57	22.55	22.72							
16	8QAM	36	5	21.48	21.38	21.51			21	5			
16	8QAM	36	20	21.46	21.41	21.56							
16	8QAM	75	0	21.45	21.41	21.59			21	5			
16	8QAM	75	0	21.42	21.44	21.56							
16	256QAM	1	0	19.88	19.81	19.85			21	5			
16	256QAM	1	37	19.89	19.87	19.85							
16	256QAM	1	74	19.88	19.84	19.95			21	5			
16	256QAM	36	5	19.88	19.85	19.76							
16	256QAM	36	20	19.85	19.88	19.86			21	5			
16	256QAM	75	0	19.87	19.88	19.86							
16	256QAM	75	0	19.84	19.85	19.82			21	5			
16	256QAM	36	59	19.84	19.85	19.82							
16	256QAM	16	0	19.78	19.77	19.84							
Channel													
Frequency (MHz)													
16	QPSK	1	5	24.38	24.32	24.43			26	0			
16	QPSK	1	49	24.38	24.40	24.51							
16	QPSK	1	74	24.38	24.39	24.46			25	1			
16	QPSK	36	5	23.44	23.36	23.49							
16	QPSK	36	20	23.47	23.41	23.57			25	1			
16	QPSK	36	39	23.38	23.41	23.36							
16	QPSK	75	0	23.47	23.41	23.57			25	1			
16	16QAM	1	0	23.17	23.11	23.76							
16	16QAM	1	37	18.08	18.07	18.04			24	2			
16	16QAM	1	37	18.08	18.07	18.04							
16	16QAM	36	5	22.47	22.38	22.51			24	2			
16	16QAM	36	20	22.49	22.43	22.59							
16	16QAM	75	0	22.47	22.44	22.57			23	3			
16	8QAM	1	0	22.61	22.60	22.68							
16	8QAM	37	0	22.61	22.60	22.68			23	3			
16	8QAM	1	74	22.57	22.55	22.72							
16	8QAM	36	5	21.48	21.38	21.51			21	5			
16	8QAM	36	20	21.46	21.41	21.56							
16	8QAM	75	0	21.45	21.41	21.59			21	5			
16	8QAM	75	0	21.42	21.44	21.56							
16	256QAM	1	0	19.88	19.81	19.85			21	5			
16	256QAM	1	37	19.89	19.87	19.85							
16	256QAM	1	74	19.88	19.79	19.94			21	5			
16	256QAM	36	5	19.88	19.85	19.76							
16	256QAM	36	20	19.85	19.88	19.86			21	5			
16	256QAM	75	0	19.87	19.88	19.86							
16	256QAM	75	0	19.84	19.85	19.82			21	5			
16	256QAM	36	59	19.84	19.85	19.82							
16	256QAM	16	0	19.78	19.77	19.84							
Channel													
Frequency (MHz)													
16	QPSK	1	5	24.38	24.32	24.43			26	0			
16	QPSK	1	49	24.38	24.40	24.51							
16	QPSK	1	74	24.38	24.39	24.46			25	1			
16	QPSK	36	5	23.44	23.36	23.49							
16	QPSK	36	20	23.47	23.41	23.57			25	1			
16	QPSK	36	39	23.38	23.41	23.36							
16	QPSK	75	0	23.47	23.41	23.57			25	1			
16	16QAM	1	0	23.17	23.11	23.76							
16	16QAM	1	37	18.08	18.07	18.04			24	2			
16	16QAM	1	37	18.08	18.07	18.04							
16	16QAM	36	5	22.47	22.38	22.51			24	2			
16	16QAM	36	20	22.49	22.43	22.59							
16	16QAM	75	0	22.47	22.44	22.57			23	3			
16	8QAM	1	0	22.61	22.60	22.68							
16	8QAM	37	0	22.61	22.60	22.68			23	3			
16	8QAM	1	74	22.57	22.55	22.72							
16	8QAM	36	5	21.48	21.38	21.51			21	5			
16	8QAM	36	20	21.46	21.41	21.56							
16	8QAM	75	0	21.45	21.41	21.59			21	5			
16	8QAM	75	0	21.42	21.44	21.56							
16	256QAM	1	0	19.88	19.81	19.85			21	5			
16	256QAM	1	37	19.89	19.87	19.85							
16	256QAM	1	74	19.88	19.84	19.95			21	5			
16	256QAM	36	5	19.88	19.85	19.76							
16	256QAM	36	20	19.85	19.88	19.86			21	5			
16	256QAM	75	0	19.87	19.88	19.86							
16	256QAM	75	0	19.84	19.85	19.82			21	5			
16	256QAM	36	59	19.84	19.85	19.82							
16	256QAM	16	0	19.78	19.77	19.84							
Channel													
Frequency (MHz)													
16	QPSK	1	5	24.38	24.32	24.43			26	0			
16	QPSK	1	49	24.38	24.40	24.51							
16	QPSK	1	74	24.38	24.39	24.46			25	1			
16	QPSK	36	5	23.44	23.36	23.49							
16	QPSK	36	20	23.47	23.41	23.57			25	1			
16	QPSK	36	39	23.38	23.41	23.36							
16	QPSK	75	0	23.47	23.41	23.57			25	1			
16	16												

[illegible]

Band 5 Ant 2											
RF BNC	Module	RF SS	RF OR	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Time-on- air (sec)	dBm (dB)			
Channel											
Frequency (MHz)											
15	QPSK	1	0	21.25	21.45	21.58					
15	QPSK	1	25	21.53	21.63	21.75		23	0		
15	QPSK	25	0	21.63	21.75	21.88					
15	QPSK	25	0	20.56	20.67	20.78					
15	QPSK	25	12	20.64	20.68	20.76		22	1		
15	QPSK	25	12	20.68	20.75	20.81					
15	QPSK	50	0	20.60	20.65	20.70					
15	QPSK	1	0	20.77	21.08	21.07		22	1		
15	QPSK	25	25	21.13	21.33	21.48					
15	QPSK	1	40	21.11	21.31	21.48					
15	QPSK	25	0	19.60	19.68	19.70					
15	QPSK	25	0	19.63	19.65	19.67					
15	QPSK	25	25	19.63	19.74	19.76		21			
15	QPSK	50	0	19.61	19.66	19.68					
15	QPSK	50	0	19.64	19.65	19.66					
15	QPSK	1	25	19.60	19.71	19.81					
15	QPSK	1	40	19.69	19.70	19.77					
15	QPSK	25	12	19.67	19.68	19.67					
15	QPSK	25	12	19.67	19.65	19.65		20	3		
15	QPSK	25	25	19.62	19.67	19.75					
15	QPSK	50	0	18.64	18.65	18.67					
15	QPSK	50	0	18.64	18.65	18.67					
15	QPSK	1	25	17.22	17.12	17.02		18	5		
15	QPSK	1	40	17.25	17.13	17.01					
15	QPSK	25	0	16.88	17.05	17.04					
15	QPSK	25	12	16.93	16.95	16.96		18	5		
15	QPSK	25	12	16.94	16.95	16.95					
15	QPSK	50	0	16.88	16.91	16.95					
Channel											
Frequency (MHz)											
5	QPSK	1	0	21.25	21.15	21.03					
5	QPSK	1	12	21.36	21.58	21.64		23	0		
5	QPSK	1	25	21.47	21.61	21.65					
5	QPSK	1	25	20.27	20.41	20.45					
5	QPSK	12	0	20.58	20.38	20.37		22	1		
5	QPSK	12	0	20.57	20.37	20.37					
5	QPSK	25	0	20.36	20.52	20.43					
5	QPSK	1	0	20.53	20.84	20.75					
5	QPSK	1	25	20.82	20.93	20.94					
5	QPSK	1	24	20.17	21.07	20.95					
5	QPSK	12	0	19.33	19.60	19.57					
5	QPSK	12	0	19.33	19.60	19.57					
5	QPSK	12	13	19.56	19.53	19.70					
5	QPSK	25	0	19.42	19.43	19.46					
5	QPSK	25	0	19.42	19.43	19.46					
5	QPSK	1	12	19.66	19.63	19.59		21	2		
5	QPSK	1	24	19.56	19.64	19.66					
5	QPSK	12	7	19.27	19.24	19.23		20	3		
5	QPSK	12	13	19.34	19.38	19.47					
5	QPSK	1	0	19.26	19.26	19.26					
5	QPSK	12	0	18.67	18.65	18.63					
5	QPSK	12	7	17.22	18.01	18.02		18	5		
5	QPSK	12	13	17.25	17.13	17.01					
5	QPSK	25	0	16.72	16.90	16.92					
Channel											
Frequency (MHz)											
3	QPSK	1	0	21.14	21.27	21.35					
3	QPSK	1	8	21.27	21.36	21.48		23	0		
3	QPSK	1	14	21.46	21.58	21.61					
3	QPSK	1	20	20.44	20.54	20.55					
3	QPSK	8	0	20.41	20.24	20.39		22	1		
3	QPSK	8	7	20.43	20.33	20.33					
3	QPSK	15	0	20.33	20.43	20.43					
3	QPSK	1	0	20.54	20.87	20.85		22	1		
3	QPSK	1	20	20.98	21.08	21.08					
3	QPSK	1	14	20.86	21.05	21.17					
3	QPSK	8	0	19.37	19.44	19.61					
3	QPSK	8	7	19.44	19.44	19.44					
3	QPSK	8	7	19.52	19.53	19.59		21	2		
3	QPSK	15	0	19.44	19.58	19.45					
3	QPSK	15	0	19.47	19.62	19.48					
3	QPSK	8	0	19.63	19.52	19.48		20	2		
3	QPSK	8	7	19.42	19.60	19.45					
3	QPSK	15	0	19.40	19.54	19.45					
3	QPSK	15	0	19.47	19.62	19.48					
3	QPSK	1	8	17.17	17.05	16.94		18	5		
3	QPSK	1	8	17.09	17.08	16.98					
3	QPSK	8	0	16.65	16.84	16.83					
3	QPSK	8	4	17.08	16.88	16.88					
3	QPSK	15	0	16.85	16.95	16.85		18	5		
3	QPSK	15	0	16.86	16.95	16.85					
Channel											
Frequency (MHz)											
1.5	QPSK	1	0	21.30	21.45	21.55					
1.5	QPSK	1	3	21.45	21.67	21.75					
1.5	QPSK	1	8	21.53	21.67	21.68		23	0		
1.5	QPSK	1	15	21.65	21.85	21.85					
1.5	QPSK	3	1	21.41	21.64	21.63					
1.5	QPSK	3	8	21.58	21.84	21.82		22	1		
1.5	QPSK	3	15	21.68	21.88	21.88					
1.5	QPSK	1	0	21.00	20.94	21.13					
1.5	QPSK	1	8	20.82	21.14	21.03					
1.5	QPSK	1	15	20.94	21.04	21.12					
1.5	QPSK	3	0	20.66	20.62	20.64		22	1		
1.5	QPSK	3	1	20.71	20.95	20.76					
1.5	QPSK	3	8	20.83	21.13	20.83					
1.5	QPSK	3	15	20.94	20.71	19.87		21	2		
1.5	QPSK	1	0	16.73	16.90	16.85					
1.5	QPSK	1	8	16.73	16.90	16.85					
1.5	QPSK	1	15	17.22	18.05	17.99		21	2		
1.5	QPSK	3	0	16.58	16.64	16.72					
1.5	QPSK	3	1	16.64	16.64	16.64					
1.5	QPSK	3	8	16.61	16.58	16.69		20	3		
1.5	QPSK	3	15	16.70	16.64	16.65					
1.5	QPSK	1	3	17.61	17.10	16.92		18	5		
1.5	QPSK	1	8	17.61	17.10	16.92					
1.5	QPSK	1	15	16.83	16.95	16.87					
1.5	QPSK	3	1	16.85	16.86	16.82					
1.5	QPSK	3	8	16.85	16.82	16.82					
1.5	QPSK	3	15	16.80	16.86	16.86		18	5		

Band 7_Ant 1									
RF Module	RF Channel	RF Site	RF Office	Power Ch/1/100	Power Ch/1/50	Power Ch/1/25	Turn-on (min)	APR (dB)	
Channel									
Frequency (MHz)									
20	QFISB	1	0	24.0	24.0	24.0			
20	QFISB	1	49	24.0	24.0	24.0	26	0	
20	QFISB	1	99	23.25	23.25	23.25			
20	QFISB	30	0	23.25	23.25	23.25			
20	QFISB	50	24	23.25	23.25	23.25			
20	QFISB	50	50	23.25	23.25	23.25	25	1	
20	QFISB	50	0	23.25	23.25	23.25			
20	QFISB	50	49	23.25	23.25	23.25			
20	QFISB	50	99	23.25	23.25	23.25			
20	QFISB	50	0	23.25	23.25	23.25			
20	QFISB	50	24	23.25	23.25	23.25			
20	QFISB	50	50	23.25	23.25	23.25	24	2	
20	QFISB	50	0	23.25	23.25	23.25			
20	QFISB	50	49	23.25	23.25	23.25			
20	QFISB	50	99	23.25	23.25	23.25	24		
20	QFISB	50	0	23.25	23.25	23.25			
20	QFISB	50	24	23.25	23.25	23.25			
20	QFISB	50	50	23.25	23.25	23.25	23		
20	QFISB	50	0	23.25	23.25	23.25			
20	QFISB	50	49	23.25	23.25	23.25			
20	QFISB	50	99	23.25	23.25	23.25	21	5	
20	QFISB	50	0	23.25	23.25	23.25			
20	QFISB	50	24	23.25	23.25	23.25			
20	QFISB	50	50	23.25	23.25	23.25	20		
Channel									
Frequency (MHz)									
16	QFISB	1	0	24.0	24.0	24.0			
16	QFISB	1	37	24.0	24.0	24.0	26	0	
16	QFISB	1	74	23.25	23.25	23.25			
16	QFISB	36	0	23.25	23.25	23.25			
16	QFISB	36	20	23.25	23.25	23.25			
16	QFISB	36	40	23.25	23.25	23.25	25	1	
16	QFISB	36	0	23.25	23.25	23.25			
16	QFISB	36	20	23.25	23.25	23.25			
16	QFISB	36	40	23.25	23.25	23.25	24		
16	QFISB	36	0	23.25	23.25	23.25			
16	QFISB	36	20	23.25	23.25	23.25			
16	QFISB	36	40	23.25	23.25	23.25	24	2	
16	QFISB	36	0	23.25	23.25	23.25			
16	QFISB	36	20	23.25	23.25	23.25			
16	QFISB	36	40	23.25	23.25	23.25	23		
16	QFISB	36	0	23.25	23.25	23.25			
16	QFISB	36	20	23.25	23.25	23.25			
16	QFISB	36	40	23.25	23.25	23.25	21	5	
16	QFISB	36	0	23.25	23.25	23.25			
16	QFISB	36	20	23.25	23.25	23.25			
16	QFISB	36	40	23.25	23.25	23.25	20		
Channel									
Frequency (MHz)									
12	QFISB	1	0	24.0	24.0	24.0			
12	QFISB	1	25	24.1	24.1	24.1	26	0	
12	QFISB	1	49	24.25	24.25	24.25			
12	QFISB	1	74	24.3	24.3	24.3			
12	QFISB	12	25	24.25	24.25	24.25			
12	QFISB	12	50	24.3	24.3	24.3	25		
12	QFISB	12	0	23.25	23.25	23.25			
12	QFISB	12	25	23.25	23.25	23.25			
12	QFISB	12	50	23.25	23.25	23.25	24		
12	QFISB	12	0	23.24	23.24	23.24			
12	QFISB	12	25	23.24	23.24	23.24	25	1	
12	QFISB	12	50	23.24	23.24	23.24			
12	QFISB	12	0	23.23	23.23	23.23			
12	QFISB	12	25	23.23	23.23	23.23			
12	QFISB	12	50	23.23	23.23	23.23	24		
12	QFISB	12	0	23.22	23.22	23.22			
12	QFISB	12	25	23.22	23.22	23.22			
12	QFISB	12	50	23.22	23.22	23.22	24	2	
12	QFISB	12	0	23.21	23.21	23.21			
12	QFISB	12	25	23.21	23.21	23.21			
12	QFISB	12	50	23.21	23.21	23.21	23		
12	QFISB	12	0	23.20	23.20	23.20			
12	QFISB	12	25	23.20	23.20	23.20			
12	QFISB	12	50	23.20	23.20	23.20	21	5	
12	QFISB	12	0	23.19	23.19	23.19			
12	QFISB	12	25	23.19	23.19	23.19			
12	QFISB	12	50	23.19	23.19	23.19	20		
Channel									
Frequency (MHz)									
8	QFISB	1	0	24.0	24.0	24.0			
8	QFISB	1	12	24.1	24.1	24.1	26	0	
8	QFISB	1	24	24.2	24.2	24.2			
8	QFISB	1	36	24.3	24.3	24.3			
8	QFISB	12	12	23.25	23.25	23.25			
8	QFISB	12	13	23.25	23.24	23.23			
8	QFISB	12	24	23.25	23.25	23.25	25	1	
8	QFISB	12	0	23.25	23.24	23.24			
8	QFISB	12	12	23.25	23.24	23.24			
8	QFISB	12	13	23.25	23.24	23.24	24		
8	QFISB	12	24	23.25	23.25	23.25			
8	QFISB	12	0	23.24	23.24	23.24			
8	QFISB	12	12	23.24	23.24	23.24	24	2	
8	QFISB	12	13	23.24	23.24	23.24			
8	QFISB	12	24	23.24	23.24	23.24	23		
8	QFISB	12	0	23.23	23.23	23.23			
8	QFISB	12	12	23.23	23.23	23.23			
8	QFISB	12	13	23.23	23.23	23.23	21	5	
8	QFISB	12	24	23.23	23.23	23.23			
8	QFISB	12	0	23.22	23.22	23.22			
8	QFISB	12	12	23.22	23.22	23.22			
8	QFISB	12	13	23.22	23.22	23.22	20		
8	QFISB	12	24	23.22	23.22	23.22	19		
8	QFISB	12	0	23.21	23.21	23.21			
8	QFISB	12	12	23.21	23.21	23.21			
8	QFISB	12	13	23.21	23.21	23.21	18		
8	QFISB	12	24	23.21	23.21	23.21	17		
8	QFISB	12	0	23.20	23.20	23.20			
8	QFISB	12	12	23.20	23.20	23.20			
8	QFISB	12	13	23.20	23.20	23.20	16		
8	QFISB	12	24	23.20	23.20	23.20	15		
8	QFISB	12	0	23.19	23.19	23.19			
8	QFISB	12	12	23.19	23.19	23.19			
8	QFISB	12	13	23.19	23.19	23.19	14		
8	QFISB	12	24	23.19	23.19	23.19	13		
8	QFISB	12	0	23.18	23.18	23.18			
8	QFISB	12	12	23.18	23.18	23.18			
8	QFISB	12	13	23.18	23.18	23.18	12		
8	QFISB	12	24	23.18	23.18	23.18	11		
8	QFISB	12	0	23.17	23.17	23.17			
8	QFISB	12	12	23.17	23.17	23.17			
8	QFISB	12	13	23.17	23.17	23.17	10		
8	QFISB	12	24	23.17	23.17	23.17	9		
8	QFISB	12	0	23.16	23.16	23.16			
8	QFISB	12	12	23.16	23.16	23.16			
8	QFISB	12	13	23.16	23.16	23.16	8		
8	QFISB	12	24	23.16	23.16	23.16	7		
8	QFISB	12	0	23.15	23.15	23.15			
8	QFISB	12	12	23.15	23.15	23.15			
8	QFISB	12	13	23.15	23.15	23.15	6		
8	QFISB	12	24	23.15	23.15	23.15	5		

Band 7_Ant 2									
WV (MHz)	Modulation	RB Size	RB Offset	Power Ch. Power dBm	Power Ch. Power dBm	Power Ch. Power dBm	Turnup time (s)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	15.75	15.75	15.75			
20	QPSK	1	-46	15.73	15.78	15.80			
20	QPSK	1	46	15.73	15.78	15.80			17
20	QPSK	50	0	14.82	14.86	14.84			
20	QPSK	50	-24	14.81	15.00	15.03			
20	QPSK	50	24	14.81	15.00	15.03			16
20	QPSK	500	0	14.85	14.92	14.91			
20	16QAM	1	0	15.14	15.13	15.03			
20	16QAM	1	-46	15.13	15.12	15.02			
20	16QAM	1	46	15.13	15.12	15.02			16
20	16QAM	50	0	13.94	13.90	13.97			
20	16QAM	50	-24	13.94	14.05	14.06			
20	16QAM	50	24	13.94	14.05	14.06			15
20	16QAM	500	0	13.97	13.97	13.97			
20	16QAM	100	0	14.00	13.96	13.90			
20	16QAM	100	-24	14.00	14.00	14.00			
20	16QAM	100	24	14.00	14.00	14.00			15
20	16QAM	50	24	12.98	13.03	13.08			14
20	16QAM	50	50	12.92	13.00	13.04			
20	25QAM	1	0	15.75	15.72	15.66			
20	25QAM	1	-46	15.51	15.68	15.73			
20	25QAM	1	46	15.51	15.68	15.73			12
20	25QAM	50	0	13.54	13.73	13.83			
20	25QAM	50	-24	13.57	13.63	13.63			
20	25QAM	50	24	13.57	13.63	13.63			12
20	25QAM	500	0	13.58	13.48	13.31			
Channel									
Frequency (MHz)									
18	QPSK	1	0	15.55	15.62	15.63			
18	QPSK	1	37	15.59	15.63	15.73			
18	QPSK	1	-37	15.59	15.63	15.73			17
18	QPSK	50	0	14.85	14.81	14.87			
18	QPSK	50	-20	14.86	14.88	15.02			
18	QPSK	50	20	14.86	14.88	15.02			16
18	QPSK	500	0	14.86	14.83	14.84			
18	16QAM	1	0	15.11	15.13	14.80			
18	16QAM	1	-46	15.11	15.13	14.80			
18	16QAM	1	46	15.11	15.13	14.80			16
18	16QAM	50	0	13.88	13.78	14.02			
18	16QAM	50	-24	13.88	13.78	14.02			
18	16QAM	50	24	13.88	13.78	14.02			15
18	16QAM	500	0	13.94	13.94	13.94			
18	16QAM	100	0	13.98	13.90	13.93			
18	16QAM	100	-24	13.98	13.90	13.93			
18	16QAM	100	24	13.98	13.90	13.93			15
18	16QAM	50	24	12.95	12.99	13.01			14
18	25QAM	1	0	15.57	15.60	15.54			
18	25QAM	1	37	15.55	15.60	15.64			
18	25QAM	1	-37	15.55	15.60	15.64			12
18	25QAM	50	0	13.45	13.71	13.85			
18	25QAM	50	-24	13.51	13.69	13.82			
18	25QAM	50	24	13.51	13.69	13.82			12
18	25QAM	500	0	13.54	13.40	13.18			
Channel									
Frequency (MHz)									
16	QPSK	1	0	15.81	15.92	15.94			
16	QPSK	1	20	15.89	15.80	15.81			
16	QPSK	1	-20	15.89	15.79	15.80			
16	QPSK	50	0	14.87	14.86	14.88			
16	QPSK	50	-12	14.88	14.88	15.02			
16	QPSK	50	12	14.88	14.88	15.02			16
16	QPSK	500	0	14.85	14.89	14.90			
16	QPSK	500	0	14.85	14.88	14.87			
16	16QAM	1	0	15.17	15.10	14.80			
16	16QAM	1	-46	15.16	15.10	14.80			
16	16QAM	1	46	15.13	15.13	14.60			16
16	16QAM	25	0	13.86	13.92	13.97			
16	16QAM	25	-12	13.86	13.92	13.97			
16	16QAM	25	12	13.86	13.92	13.97			15
16	16QAM	50	0	13.83	14.03	13.93			
16	16QAM	50	0	13.88	14.05	13.83			
16	16QAM	50	-12	13.88	14.05	13.83			
16	16QAM	50	12	13.88	14.05	13.83			15
16	16QAM	500	0	13.94	14.13	13.72			
16	16QAM	100	0	13.90	13.78	13.81			
16	16QAM	100	-12	13.90	13.78	13.81			
16	16QAM	100	12	13.90	13.78	13.81			15
16	16QAM	25	12	12.85	12.85	13.00			14
16	16QAM	25	25	12.74	12.99	13.02			
16	25QAM	1	0	15.87	15.87	15.87			
16	25QAM	1	20	15.75	15.95	15.95			
16	25QAM	1	-20	15.88	15.68	15.23			
16	25QAM	50	0	13.47	13.73	13.87			
16	25QAM	50	0	13.47	13.72	13.65			12
16	25QAM	25	12	13.78	13.63	13.63			
16	25QAM	25	-12	13.78	13.63	13.63			
16	25QAM	25	12	13.78	13.63	13.63			12
16	25QAM	500	0	13.45	13.31	13.14			
Channel									
Frequency (MHz)									
14	QPSK	1	0	15.76	15.66	15.63			
14	QPSK	1	12	15.72	15.80	15.79			
14	QPSK	1	-12	15.81	15.79	15.71			17
14	QPSK	50	0	14.81	14.80	14.80			
14	QPSK	50	12	14.80	14.80	15.00			
14	QPSK	50	-12	15.01	14.80	14.80			16
14	QPSK	500	0	14.80	14.80	14.80			
14	16QAM	1	0	15.15	15.11	14.68			
14	16QAM	1	12	14.98	15.11	15.08			
14	16QAM	1	-12	15.11	14.98	14.68			16
14	16QAM	12	0	13.86	13.94	13.88			
14	16QAM	12	0	13.87	13.91	13.89			
14	16QAM	12	12	13.87	13.91	13.89			15
14	16QAM	25	0	13.84	13.80	13.87			
14	16QAM	25	0	13.87	14.01	13.83			
14	16QAM	1	12	13.11	14.08	13.80			15
14	16QAM	1	24	13.07	13.73	13.97			
14	16QAM	12	0	12.86	12.92	12.73			
14	16QAM	12	12	12.86	12.98	12.80			14
14	16QAM	12	13	12.81	12.85	12.80			
14	16QAM	50	0	12.99	12.95	12.90			
14	16QAM	50	12	12.98	12.95	12.95			
14	25QAM	1	12	14.07	13.87	13.10			
14	25QAM	1	24	13.95	13.87	13.10			12
14	25QAM	12	0	13.55	13.58	13.62			
14	25QAM	12	7	13.71	13.59	13.58			
14	25QAM	12	13	13.71	13.59	13.58			12
14	25QAM	25	0	13.43	13.50	13.33			



Band 12_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./F.Freq.	Power Lvl Ch./F.Freq.	Power Lvl Ch./F.Freq.	Time-use (sec/100)	MFR (dB)			
Channel											
Frequency (MHz)				764	767.5	771					
16	QPSK	1	0	24.09	24.07	24.13	26	0			
16	QPSK	1	26	24.13	24.11	24.15					
16	QPSK	1	48	24.23	24.21	24.25					
16	QPSK	25	0	23.16	23.17	23.23	25	1			
16	QPSK	25	12	23.17	23.16	23.20					
16	QPSK	25	25	23.26	23.26	23.30					
16	QPSK	50	0	23.25	23.26	23.26	25	1			
16	QPSK	50	1	23.26	23.26	23.26					
16	QPSK	50	3	23.28	23.24	23.63					
16	QPSK	1	48	23.71	23.70	23.70	24	2			
16	QPSK	1	26	23.69	23.69	23.69					
16	QPSK	25	12	23.29	23.31	23.31					
16	QPSK	25	25	23.26	23.26	23.40	23	3			
16	QPSK	50	0	23.28	23.28	23.28					
16	QPSK	50	3	23.28	23.28	23.28					
16	QPSK	1	0	23.29	23.27	23.42	24	2			
16	QPSK	1	26	22.44	22.47	22.50					
16	QPSK	1	48	22.50	22.50	22.50					
16	QPSK	25	0	21.39	21.21	21.24	23	3			
16	QPSK	25	12	21.29	21.30	21.29					
16	QPSK	25	25	21.28	21.30	21.38					
16	QPSK	50	0	21.29	21.29	21.38	21	5			
16	QPSK	50	1	19.24	19.34	19.36					
16	QPSK	50	3	19.63	19.53	19.61					
16	QPSK	1	48	19.42	19.48	19.38	21	5			
16	QPSK	1	26	19.38	19.38	19.37					
16	QPSK	25	12	19.28	19.40	19.38					
16	QPSK	25	25	19.38	19.44	19.48	21	5			
16	QPSK	50	0	19.38	19.44	19.48					
16	QPSK	50	3	23.05	23.05	23.05					
Channel											
Frequency (MHz)				761.5	767.5	771.5	Time-use (sec/100)	MFR (dB)			
6	QPSK	1	0	24.15	24.13	24.28	26	0			
6	QPSK	1	12	24.04	24.07	24.30					
6	QPSK	1	24	24.29	24.23	24.30					
6	QPSK	12	0	23.16	23.18	23.28	25	1			
6	QPSK	12	7	23.09	23.27	23.38					
6	QPSK	12	13	23.22	23.24	23.35					
6	QPSK	25	0	23.22	23.24	23.38	25	1			
6	QPSK	25	1	23.48	23.48	23.63					
6	QPSK	25	12	23.09	23.03	23.74					
6	QPSK	1	0	23.22	23.25	23.69	24	2			
6	QPSK	12	7	22.31	22.32	22.33					
6	QPSK	12	13	22.29	22.32	22.41					
6	QPSK	25	0	22.28	22.27	22.37	23	3			
6	QPSK	25	12	22.28	22.27	22.37					
6	QPSK	25	25	22.28	22.27	22.37					
6	QPSK	1	0	22.27	22.44	22.80	24	2			
6	QPSK	1	24	22.28	22.34	22.36					
6	QPSK	1	24	22.44	22.44	22.58					
6	QPSK	12	0	21.19	21.23	21.30	23	3			
6	QPSK	12	7	20.92	20.96	21.07					
6	QPSK	12	13	21.24	21.25	21.47					
6	QPSK	25	0	21.25	21.26	21.40	21	5			
6	QPSK	25	1	19.40	19.40	19.40					
6	QPSK	25	12	19.62	19.62	19.59					
6	QPSK	1	0	19.47	19.48	19.29	21	5			
6	QPSK	1	12	19.46	19.46	19.29					
6	QPSK	12	7	19.40	19.17	19.27					
6	QPSK	12	13	19.38	19.47	19.44	21	5			
6	QPSK	25	0	19.38	19.47	19.44					
6	QPSK	25	0	19.38	19.47	19.44					
Channel											
Frequency (MHz)				2305.5	2306.5	2310.5	Time-use (sec/100)	MFR (dB)			
6	QPSK	1	0	24.15	24.16	24.28	26	0			
6	QPSK	1	1	24.23	24.25	24.35					
6	QPSK	1	14	24.09	24.12	24.25					
6	QPSK	8	0	23.24	23.24	23.30	25	1			
6	QPSK	8	4	23.24	23.28	23.42					
6	QPSK	8	7	23.20	23.23	23.38					
6	QPSK	1	0	23.23	23.28	23.68	25	1			
6	QPSK	1	8	23.53	23.48	23.68					
6	QPSK	1	8	23.59	23.64	23.78					
6	QPSK	1	14	23.51	23.55	23.65	24	2			
6	QPSK	8	4	22.34	22.37	22.49					
6	QPSK	8	7	22.30	22.30	22.40					
6	QPSK	15	0	22.28	22.28	22.33	23	3			
6	QPSK	1	0	22.45	22.42	22.81					
6	QPSK	1	8	22.46	22.51	22.82					
6	QPSK	1	14	22.38	22.43	22.55	24	2			
6	QPSK	8	0	21.27	21.24	21.39					
6	QPSK	8	7	21.23	21.26	21.45					
6	QPSK	15	0	21.25	21.27	21.42	23	3			
6	QPSK	1	0	21.26	21.26	21.33					
6	QPSK	1	0	19.28	19.36	19.52					
6	QPSK	1	8	19.48	19.41	19.66	21	5			
6	QPSK	1	14	19.21	19.26	19.58					
6	QPSK	8	0	19.40	19.35	19.37					
6	QPSK	8	4	19.34	19.31	19.36	21	5			
6	QPSK	8	7	21.21	21.27	21.42					
6	QPSK	15	0	19.24	19.15	19.02					
Channel											
Frequency (MHz)				2307.1	2308.5	2313.3	Time-use (sec/100)	MFR (dB)			
1.4	QPSK	1	0	24.13	24.16	24.31	26	0			
1.4	QPSK	1	3	24.13	24.30	24.38					
1.4	QPSK	1	5	24.12	24.15	24.30					
1.4	QPSK	3	0	24.23	24.23	24.30	25	1			
1.4	QPSK	3	1	24.23	24.30	24.28					
1.4	QPSK	3	3	24.19	24.22	24.35					
1.4	QPSK	6	0	23.18	23.20	23.27	25	1			
1.4	QPSK	6	3	23.07	23.53	23.74					
1.4	QPSK	1	3	23.03	23.57	23.78					
1.4	QPSK	1	5	23.01	23.16	23.68	24	2			
1.4	QPSK	3	0	23.18	23.46	23.51					
1.4	QPSK	3	3	23.33	23.38	23.51					
1.4	QPSK	6	0	22.30	22.27	22.37	24	2			
1.4	QPSK	1	0	22.47	22.34	22.58					
1.4	QPSK	1	3	22.41	22.42	22.43					
1.4	QPSK	1	5	22.41	22.42	22.46	24	2			
1.4	QPSK	3	0	22.37	22.37	22.48					
1.4	QPSK	3	1	22.34	22.33	22.51					
1.4	QPSK	3	3	22.29	22.35	22.52	23	3			
1.4	QPSK	6	0	21.23	21.23	21.34					
1.4	QPSK	1	0	19.15	19.46	19.27					
1.4	QPSK	1	3	19.69	19.57	19.59	21	5			
1.4	QPSK	1	5	19.61	19.62	19.62					
1.4	QPSK	3	0	19.54	19.20	19.21					
1.4	QPSK	3	3	19.22	19.28	19.43	21	5			
1.4	QPSK	6	0	19.22	19.22	19.26					
1.4	QPSK	6	0	19.22	19.50	19.21					



Band 17_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Time-out (sec)	MFR (dB)	MFR (dB)
Channel									
Frequency (MHz)				23375	23376	23382			
10	QPSK	1	0	24.07	24.10	24.10	26	0	
10	QPSK	1	20	24.20	24.22	24.28			
10	QPSK	1	40	24.28	24.28	24.32			
10	QPSK	25	0	23.21	23.21	23.28			
10	QPSK	25	12	23.02	23.02	23.03	25	1	
10	QPSK	25	25	23.27	23.29	23.32			
10	QPSK	50	0	23.26	23.22	23.30			
10	QPSK	50	12	23.06	23.03	23.09			
10	QPSK	1	40	23.71	23.71	23.75	25	1	
10	QPSK	1	20	23.26	23.26	23.27			
10	QPSK	25	0	23.21	23.25	23.28			
10	QPSK	25	12	22.96	22.94	22.97			
10	QPSK	25	25	23.26	23.26	23.32	24	2	
10	QPSK	50	0	23.21	23.23	23.36			
10	QPSK	50	12	22.96	22.94	22.97			
10	QPSK	1	0	23.21	23.21	23.21			
10	QPSK	1	20	22.46	22.47	22.51	24	2	
10	QPSK	1	40	22.94	22.49	22.52			
10	QPSK	25	0	21.29	21.24	21.27			
10	QPSK	25	12	21.34	21.36	21.32			
10	QPSK	25	25	21.29	21.29	21.35	23	3	
10	QPSK	50	0	21.29	21.23	21.27			
10	QPSK	50	12	21.05	21.02	21.03			
10	QPSK	1	20	19.05	19.02	19.03			
10	QPSK	1	40	19.47	19.42	19.51	21	5	
10	QPSK	25	0	19.21	19.26	19.34			
10	QPSK	25	12	19.44	19.48	19.42			
10	QPSK	25	25	19.21	19.51	19.54			
10	QPSK	50	0	19.19	19.18	19.20			
Channel				23375	23376	23382			
Frequency (MHz)				700	710	711	Time-out (sec)	MFR (dB)	MFR (dB)
0	QPSK	1	0	24.10	24.24	24.30	26	0	
0	QPSK	1	12	24.00	24.20	24.31			
0	QPSK	1	24	24.10	24.19	24.28			
0	QPSK	12	0	23.20	23.27	23.34			
0	QPSK	12	7	23.03	23.29	23.29	25	1	
0	QPSK	12	13	23.19	23.27	23.31			
0	QPSK	25	0	23.21	23.22	23.27			
0	QPSK	25	1	23.05	23.09	23.79			
0	QPSK	1	12	23.01	23.05	23.70	25	1	
0	QPSK	1	24	23.42	23.57	23.59			
0	QPSK	12	7	22.24	22.35	22.39			
0	QPSK	12	13	22.28	22.31	22.36			
0	QPSK	25	0	22.26	22.25	22.30	24	2	
0	QPSK	25	1	22.49	22.55	22.61			
0	QPSK	1	12	22.47	22.58	22.66			
0	QPSK	1	24	22.54	22.53	22.54			
0	QPSK	12	0	21.26	21.31	21.37	23	3	
0	QPSK	12	7	21.28	21.36	21.32			
0	QPSK	12	13	21.15	21.31	21.31			
0	QPSK	25	0	21.26	21.23	21.37			
0	QPSK	1	0	19.48	19.14	19.66	21	5	
0	QPSK	1	12	19.09	19.03	19.14			
0	QPSK	1	24	19.44	19.41	19.53			
0	QPSK	12	0	19.26	19.21	19.31			
0	QPSK	12	7	19.23	19.30	19.29	21	5	
0	QPSK	12	13	19.40	19.05	19.41			
0	QPSK	25	0	19.11	19.16	19.18			

Band 17_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. 1 / Freq.	Power Ch. 2 / Freq.	Power Ch. 3 / Freq.	Time-out (sec)	MFR (dB)	MFR (dB)
Channel									
Frequency (MHz)				23375	23376	23382			
10	QPSK	1	0	21.03	21.03	21.02	23.5	0	
10	QPSK	1	20	21.05	21.73	21.78			
10	QPSK	1	40	21.12	21.14	21.81			
10	QPSK	25	0	20.80	20.98	20.74			
10	QPSK	25	12	20.81	20.97	20.75	22.5		
10	QPSK	25	25	20.83	20.87	20.76			
10	QPSK	50	0	20.83	20.87	20.79			
10	QPSK	1	20	21.06	21.05	20.92			
10	QPSK	1	40	21.02	20.90	21.08	22.5	1	
10	QPSK	25	0	19.09	19.59	19.73			
10	QPSK	25	12	19.09	19.69	19.76			
10	QPSK	25	25	19.77	19.79	19.82			
10	QPSK	50	0	19.05	19.71	19.87	21.5		
10	QPSK	50	12	19.09	19.69	19.76			
10	QPSK	1	0	19.09	19.87	19.89			
10	QPSK	1	20	20.01	20.22	20.02			
10	QPSK	1	40	19.90	19.72	19.90	21.5		
10	QPSK	25	0	18.03	18.04	18.36			
10	QPSK	25	12	18.11	18.11	18.34			
10	QPSK	25	25	18.70	18.84	18.71			
10	QPSK	50	0	18.73	18.88	18.87	20.5		
10	QPSK	50	12	18.07	18.81	18.80			
10	QPSK	1	0	18.07	18.81	18.80			
10	QPSK	1	20	17.05	17.06	17.77			
10	QPSK	1	40	17.00	18.83	18.81	18.5		
10	QPSK	25	0	16.87	16.86	16.84			
10	QPSK	25	12	16.82	17.10	16.90			
10	QPSK	50	0	16.81	16.86	16.81			
Channel				23375	23376	23382			
Frequency (MHz)				700	710	711	Time-out (sec)	MFR (dB)	MFR (dB)
0	QPSK	1	0	21.03	21.03	21.08	23.5	0	
0	QPSK	1	12	21.06	21.71	21.87			
0	QPSK	1	24	21.04	21.03	21.66			
0	QPSK	12	0	20.98	20.92	20.89			
0	QPSK	12	7	20.90	20.87	20.93	22.5	1	
0	QPSK	12	13	20.83	20.87	20.94			
0	QPSK	25	0	20.95	20.98	20.97			
0	QPSK	25	1	20.98	20.94	20.97			
0	QPSK	1	12	20.83	20.86	20.90	22.5	1	
0	QPSK	1	24	20.87	20.89	20.87			
0	QPSK	12	7	19.92	19.90	19.91			
0	QPSK	12	13	19.88	19.91	19.91			
0	QPSK	25	0	19.91	19.81	19.98	21.5	2	
0	QPSK	25	1	19.98	19.74	19.80			
0	QPSK	1	12	19.01	19.07	19.09			
0	QPSK	1	24	19.12	19.01	19.01			
0	QPSK	12	0	18.03	18.04	18.36	20.5	3	
0	QPSK	12	7	18.09	18.06	18.60			
0	QPSK	12	13	18.05	18.77	18.82			
0	QPSK	25	0	18.04	18.07	18.60			
0	QPSK	1	0	18.04	18.74	17.91	18.5	5	
0	QPSK	1	12	17.00	18.02	18.15			
0	QPSK	1	24	17.09	18.00	17.82			
0	QPSK	12	0	16.76	16.82	16.81			
0	QPSK	12	7	16.80	16.87	16.89	18.5	5	
0	QPSK	12	13	16.80	16.89	17.11			
0	QPSK	25	0	16.85	16.83	16.77			

Band 25_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Time-out (sec)	MFR (dB)	MFR (dB)
Channel									
Frequency (MHz)				19110	19150	19150			
20	QPSK	1	0	24.44	24.47	24.50	26	0	
20	QPSK	1	20	24.45	24.48	24.50			
20	QPSK	1	40	24.35	24.44	24.48			
20	QPSK	50	0	23.47	23.52	23.53	25	1	
20	QPSK	50	24	23.33	23.33	23.52			
20	QPSK	50	48	23.31	23.31	23.52			
20	QPSK	100	0	22.88	23.09	23.78	25	1	
20	QPSK	100	24	22.83	22.83	23.71			
20	QPSK	100	48	22.80	22.80	23.71			
20	QPSK	1	60	22.99	22.99	23.78	24	2	
20	QPSK	1	80	22.96	22.96	23.78			
20	QPSK	1	100	22.92	22.92	23.78			
20	QPSK	50	60	22.50	22.58	22.92	24	2	
20	QPSK	50	80	22.50	22.58	22.92			
20	QPSK	50	100	22.50	22.58	22.92			
20	QPSK	100	60	22.02	22.02	22.70	24	2	
20	QPSK	100	80	22.02	22.02	22.70			
20	QPSK	100	100	22.02	22.02	22.70			
20	QPSK	1	120	21.77	22.20	22.50	23	3	
20	QPSK	1	140	21.77	22.20	22.50			
20	QPSK	1	160	21.49	21.54	21.53			
20	QPSK	50	120	21.56	21.62	21.64	23	3	
20	QPSK	50	140	21.56	21.62	21.64			
20	QPSK	50	160	21.56	21.62	21.64			
20	QPSK	100	120	21.02	21.10	21.02	21	5	
20	QPSK	100	140	21.02	21.10	21.02			
20	QPSK	100	160	21.02	21.10	21.02			
20	QPSK	1	180	19.78	19.89	19.78	21	5	
20	QPSK	1	200	19.78	19.89	19.78			
20	QPSK	1	220	19.68	19.67	19.68			
20	QPSK	50	180	19.63	19.59	19.62	21	5	
20	QPSK	50	200	19.63	19.59	19.62			
20	QPSK	50	220	19.63	19.59	19.62			
Channel									
Frequency (MHz)				19117.5	19150	19157.5			
15	QPSK	1	0	24.35	24.39	24.41	26	0	
15	QPSK	1	20	24.37	24.43	24.43			
15	QPSK	1	40	24.31	24.32	24.40			
15	QPSK	50	0	23.38	23.44	23.46	25	1	
15	QPSK	50	24	23.32	23.32	23.46			
15	QPSK	50	48	23.22	23.22	23.46			
15	QPSK	100	0	23.42	23.49	23.54	25	1	
15	QPSK	100	24	23.43	23.51	23.46			
15	QPSK	100	48	23.38	23.46	23.54			
15	QPSK	1	60	23.54	23.57	23.73	25	1	
15	QPSK	1	80	23.54	23.57	23.73			
15	QPSK	1	100	23.54	23.57	23.73			
15	QPSK	50	60	22.46	22.52	22.58	24	2	
15	QPSK	50	80	22.47	22.52	22.58			
15	QPSK	50	100	22.47	22.52	22.58			
15	QPSK	100	60	22.04	22.02	22.28	24	2	
15	QPSK	100	80	22.04	22.02	22.28			
15	QPSK	100	100	22.04	22.02	22.28			
15	QPSK	1	120	21.57	22.04	22.07	24	2	
15	QPSK	1	140	21.57	22.04	22.07			
15	QPSK	1	160	21.29	21.34	21.34			
15	QPSK	50	120	21.45	21.51	21.46	23	3	
15	QPSK	50	140	21.45	21.51	21.46			
15	QPSK	50	160	21.45	21.51	21.47			
15	QPSK	100	120	20.91	20.91	20.91	21	5	
15	QPSK	100	140	20.91	20.91	20.91			
15	QPSK	100	160	20.91	20.91	20.91			
15	QPSK	1	180	19.85	19.85	19.82	21	5	
15	QPSK	1	200	19.85	19.85	19.82			
15	QPSK	1	220	19.85	19.85	19.82			
15	QPSK	50	180	19.58	19.59	19.58	21	5	
15	QPSK	50	200	19.58	19.59	19.58			
15	QPSK	50	220	19.58	19.59	19.58			
Channel									
Frequency (MHz)				19110	19150	19150			
5	QPSK	1	0	24.35	24.39	24.41	26	0	
5	QPSK	1	20	24.37	24.43	24.43			
5	QPSK	1	40	24.38	24.40	24.40			
5	QPSK	50	0	23.38	23.44	23.46	25	1	
5	QPSK	50	24	23.32	23.32	23.46			
5	QPSK	50	48	23.22	23.22	23.46			
5	QPSK	100	0	23.42	23.53	23.56	25	1	
5	QPSK	100	24	23.43	23.51	23.56			
5	QPSK	100	48	23.38	23.46	23.56			
5	QPSK	1	60	23.54	23.57	23.73	25	1	
5	QPSK	1	80	23.54	23.57	23.73			
5	QPSK	1	100	23.54	23.57	23.73			
5	QPSK	50	60	22.46	22.52	22.58	24	2	
5	QPSK	50	80	22.47	22.52	22.58			
5	QPSK	50	100	22.47	22.52	22.58			
5	QPSK	100	60	22.04	22.02	22.28	24	2	
5	QPSK	100	80	22.04	22.02	22.28			
5	QPSK	100	100	22.04	22.02	22.28			
5	QPSK	1	120	21.57	22.04	22.07	24	2	
5	QPSK	1	140	21.57	22.04	22.07			
5	QPSK	1	160	21.29	21.34	21.34			
5	QPSK	50	120	21.45	21.51	21.46	23	3	
5	QPSK	50	140	21.45	21.51	21.46			
5	QPSK	50	160	21.45	21.54	21.54			
5	QPSK	100	120	20.91	20.91	20.91	21	5	
5	QPSK	100	140	20.91	20.91	20.91			
5	QPSK	100	160	20.91	20.91	20.91			
5	QPSK	1	180	19.85	19.85	19.82	21	5	
5	QPSK	1	200	19.85	19.85	19.82			
5	QPSK	1	220	19.85	19.85	19.82			
5	QPSK	50	180	19.58	19.59	19.58	21	5	
5	QPSK	50	200	19.58	19.59	19.58			
5	QPSK	50	220	19.58	19.59	19.58			
Channel									
Frequency (MHz)				19117.5	19150	19157.5			
3	QPSK	1	0	24.29	24.39	24.42	26	0	
3	QPSK	1	12	24.36	24.46	24.43			
3	QPSK	1	24	24.34	24.46	24.43			
3	QPSK	50	0	23.42	23.49	23.51	25	1	
3	QPSK	50	12	23.39	23.48	23.52			
3	QPSK	50	24	23.37	23.47	23.51			
3	QPSK	100	0	23.38	23.50	23.52	25	1	
3	QPSK	100	24	23.38	23.50	23.52			
3	QPSK	100	48	23.34	23.48	23.52			
3	QPSK	1	60	23.68	23.73	23.75	25	1	
3	QPSK	1	120	23.68	23.73	23.75			
3	QPSK	1	180	23.68	23.73	23.75			
3	QPSK	50	60	22.43	22.51	22.53	24	2	
3	QPSK	50	120	22.43	22.51	22.53			
3	QPSK	50	180	22.43	22.51	22.53			
3	QPSK	100	60	22.01	22.09	22.14	24	2	
3	QPSK	100	120	22.01	22.09	22.14			
3	QPSK	100	180	22.01	22.09	22.14			
3	QPSK	1	240	22.00	22.07	22.05	23	3	
3	QPSK	1	300	22.00	22.07	22.05			
3	QPSK	1	360	21.43	21.53	21.53			
3	QPSK	50	240	21.38	21.52	21.53	23	3	
3	QPSK	50	300	21.38	21.52	21.53			
3	QPSK	50	360	21.37	21.49	21.49			
3	QPSK	100	240	20.83	20.95	20.87	21	5	
3	QPSK	100	300	20.83	20.95	20.87			
3	QPSK	100	360	20.81	20.91	20.87			
3	QPSK	1	480	19.81	19.81	19.81	21	5	
3	QPSK	1	600	19.81	19.81	19.81			
3	QPSK	1	720	19.81	19.81	19.81			
3	QPSK	50	480	19.53	19.54	19.53	21	5	
3	QPSK	50	600	19.53	19.54	19.53			
3	QPSK	50	720	19.53	19.54	19.53			
3	QPSK	100	480	19.28	19.38	19.62	21	5	
3	QPSK	100	600	19.28	19.38	19.62			
3	QPSK	100	720	19.28	19.38	19.62			
3	QPSK	50	480	19.04	19.02	19.04	21	5	
3	QPSK	50	600	19.04	19.02	19.04			
3	QPSK	50	720	19.04	19.02	19.04			
Channel									
Frequency (MHz)				19150	19150	19151.5			
1.4	QPSK	1	0	24.31	24.39	24.40	26	0	
1.4	QPSK	1	14	24.32	24.40	24.43			
1.4	QPSK	1	28	24.34	24.44	24.43			
1.4	QPSK	50	0	24.20	24.39	24.42	25	0	
1.4	QPSK	50	14	24.20	24.39	24.42			
1.4	QPSK	50	28	24.20	24.39	24.42			
1.4	QPSK	100	0	23.38	24.07	24.46	25	1	
1.4	QPSK	100	14	23.42	24.05	24.46			
1.4	QPSK	100	28	23.42	24.05	24.46			
1.4	QPSK	1	30	24.27	24.48	24.46	24	2	
1.4	QPSK	1	60	24.28	24.48	24.46			
1.4	QPSK	1	90	24.28	24.48	24.46			
1.4	QPSK	50	30	23.35	23.94	23.94	24	2	
1.4	QPSK	50	60	23.35	23.94	23.94			
1.4	QPSK	50	90	23.35	23.94	23.94			
1.4	QPSK	100	30	23.31	23.91	23.91	24	2	
1.4	QPSK	100	60	23.31	23.91	23.91			
1.4	QPSK	100	90	23.31	23.91	23.91			
1.4	QPSK	1	120	23.55	23.82	23.84	24	2	
1.4	QPSK	1	150	23.55	23.82	23.84			
1.4	QPSK	1	180	23.55	23.82	23.84			
1.4	QPSK	50	120	22.53	22.80	22.89	24	2	
1.4	QPSK	50	150	22.53	22.80	22.89			
1.4	QPSK	50	180	22.53	22.80	22.89			
1.4	QPSK	100	120	22.08	22.28	22.74	24	2	
1.4	QPSK	100	150	22.08	22.28	22.74			
1.4	QPSK	100	180	22.08	22.28	22.74			
1.4	QPSK	1	210	22.48	22.81	22.89			



Band 26_Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Rpt./Ch./Freq.	Power Rpt./Ch./Freq.	Time-out (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	24.43	24.42	24.57	26	0						
15	QPSK	1	37	24.43	24.42	24.57								
15	QPSK	1	74	24.42	24.34	24.63	25	1						
15	QPSK	36	0	23.47	23.52	23.68								
15	QPSK	36	25	23.47	23.52	23.68	24	2						
15	QPSK	36	36	23.63	23.78	23.66								
15	16QAM	1	0	23.75	23.77	23.62	25	1						
15	16QAM	1	37	23.52	23.36	24.02								
15	16QAM	1	74	23.84	23.80	23.88	25	1						
15	16QAM	36	0	22.49	22.55	22.78								
15	16QAM	36	25	22.52	22.81	22.73	24	2						
15	16QAM	36	36	22.66	22.86	22.73								
15	16QAM	75	0	22.63	22.59	22.87	23	3						
15	16QAM	1	0	22.85	22.72	22.87								
15	16QAM	1	37	22.76	22.50	22.87	24	2						
15	16QAM	1	74	22.84	22.79	22.88								
15	16QAM	36	0	21.49	21.52	21.78	23	3						
15	16QAM	36	25	21.61	21.57	21.76								
15	16QAM	36	36	21.68	21.86	21.77	21	5						
15	16QAM	75	0	21.49	21.59	21.68								
15	16QAM	1	0	19.75	19.80	19.83	21	5						
15	16QAM	1	37	19.75	19.80	19.83								
15	16QAM	1	74	19.72	19.83	19.71	21	5						
15	16QAM	36	0	19.82	19.86	19.86								
15	16QAM	36	25	19.84	19.74	19.78	21	5						
15	16QAM	36	36	19.57	19.71	19.84								
15	16QAM	75	0	19.57	19.65	19.81								
Channel														
Frequency (MHz)														
15	QPSK	1	0	24.26	24.42	24.57	26	0						
15	QPSK	1	25	24.26	24.48	24.63								
15	QPSK	1	48	24.34	24.49	24.60	25	1						
15	QPSK	25	0	23.34	23.54	23.62								
15	QPSK	25	12	23.46	23.52	23.64	25	1						
15	QPSK	25	25	23.49	23.57	23.69								
15	QPSK	50	0	23.41	23.50	23.74	25	1						
15	16QAM	1	0	23.62	23.84	23.91								
15	16QAM	1	25	23.69	23.86	24.04	25	1						
15	16QAM	1	48	23.79	24.00	24.08								
15	16QAM	25	0	22.36	22.54	22.65	24	2						
15	16QAM	25	12	22.45	22.54	22.67								
15	16QAM	50	0	22.41	22.50	22.81	24	2						
15	16QAM	1	0	22.49	22.58	22.83								
15	16QAM	1	25	22.52	22.79	22.85	23	3						
15	16QAM	1	48	22.52	22.79	22.85								
15	16QAM	25	0	21.24	21.54	21.86	23	3						
15	16QAM	25	12	21.24	21.54	21.86								
15	16QAM	25	25	21.74	21.57	21.71	21	5						
15	16QAM	50	0	21.45	21.54	21.61								
15	16QAM	1	0	19.57	19.58	19.81	21	5						
15	16QAM	1	25	19.61	19.68	19.74								
15	16QAM	25	0	19.64	19.64	19.63	21	5						
15	16QAM	25	12	19.61	19.62	19.68								
15	16QAM	25	25	19.52	19.70	19.88	21	5						
15	16QAM	50	0	19.52	19.61	19.88								
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.43	24.42	24.57	23	0						
5	QPSK	1	12	24.26	24.54	24.68								
5	QPSK	1	24	24.29	24.46	24.58	22	1						
5	QPSK	12	0	24.26	24.48	24.63								
5	QPSK	12	7	23.36	23.55	23.69	22	1						
5	QPSK	12	13	23.32	23.54	23.63								
5	QPSK	25	0	23.32	23.54	23.63	22	1						
5	16QAM	1	0	23.59	23.89	23.92								
5	16QAM	1	12	23.77	24.03	24.04	22	1						
5	16QAM	1	24	23.76	23.79	23.84								
5	16QAM	12	0	22.31	22.49	22.65	21	2						
5	16QAM	12	7	22.43	22.62	22.72								
5	16QAM	12	13	22.36	22.60	22.62	21	2						
5	16QAM	25	0	22.35	22.45	22.68								
5	16QAM	1	0	22.51	22.73	22.83	21	2						
5	16QAM	1	12	22.46	22.70	22.87								
5	16QAM	1	24	22.52	22.87	22.79	20	3						
5	16QAM	12	0	21.26	21.51	21.75								
5	16QAM	12	7	21.25	21.41	21.75	20	3						
5	16QAM	12	13	21.37	21.54	21.71								
5	16QAM	25	0	21.23	21.46	21.65	18	5						
5	16QAM	1	0	19.49	19.61	19.83								
5	16QAM	1	12	19.52	19.74	19.82	18	5						
5	16QAM	1	24	19.52	19.74	19.82								
5	16QAM	12	0	17.06	17.32	17.54	18	5						
5	16QAM	12	7	16.97	16.72	16.82								
5	16QAM	12	13	16.96	16.70	16.82	21	5						
5	16QAM	25	0	16.92	16.56	16.84								
Channel														
Frequency (MHz)														
3	QPSK	1	0	24.43	24.42	24.57	23	0						
3	QPSK	1	8	24.29	24.44	24.55								
3	QPSK	1	14	24.30	24.53	24.44	22	1						
3	QPSK	8	0	24.30	24.53	24.61								
3	QPSK	8	4	23.23	23.47	23.53	22	1						
3	QPSK	8	7	23.21	23.43	23.58								
3	QPSK	16	0	23.27	23.34	23.48	25	1						
3	16QAM	1	0	23.48	23.70	23.83								
3	16QAM	1	8	23.65	23.89	23.94	25	1						
3	16QAM	1	14	23.54	23.68	23.85								
3	16QAM	8	0	22.21	22.46	22.57	24	2						
3	16QAM	8	4	22.35	22.54	22.57								
3	16QAM	8	7	22.30	22.51	22.66	24	2						
3	16QAM	16	0	22.28	22.40	22.50								
3	16QAM	1	0	22.32	22.59	22.68	24	2						
3	16QAM	1	8	22.62	22.77	22.80								
3	16QAM	1	14	22.32	22.58	22.69	23	3						
3	16QAM	8	0	21.16	21.38	21.53								
3	16QAM	8	4	21.28	21.52	21.58	21	5						
3	16QAM	8	7	21.28	21.46	21.58								
3	16QAM	16	0	21.23	21.39	21.51	21	5						
3	16QAM	1	0	19.46	19.64	19.45								
3	16QAM	1	8	19.67	19.68	19.47	21	5						
3	16QAM	8	4	19.52	19.57	19.61								
3	16QAM	8	7	19.58	19.71	19.84	21	5						
3	16QAM	16	0	19.57	19.66	19.81								
3	16QAM	15	0	19.77	19.86	19.86	21	5						
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	24.26	24.52	24.57					26	0		
1.4	QPSK	1	3	24.41	24.61	24.61								
1.4	QPSK	1	5	24.26	24.57	24.21	26	0						
1.4	QPSK	1	8	24.26	24.53	24.22								
1.4	QPSK	3	1	24.41	24.53	24.42	25	1						
1.4	QPSK	3	3	24.29	24.62	24.28								
1.4	16QAM	1	0	23.75	23.86	23.86	29	1						
1.4	16QAM	1	3	23.73	23.95	23.77								
1.4	16QAM	3	1	23.75	23.87	23.66	25	1						
1.4	16QAM	3	3	23.66	23.70	23.85								
1.4	16QAM	1	0	21.52	22.05	21.73	24	2						
1.4	16QAM	1	3	21.52	22.05	21.73								
1.4	16QAM	3	1	21.52	21.86	21.56	24	2						
1.4	16QAM	3	3	22.06	22.17	22.03								
1.4	16QAM	6	0	21.42	21.81	21.72	23	3						
1.4	16QAM	6	3	21.42	21.81	21.72								
1.4	16QAM	1	0	19.56	19.60	19.67	21	5						
1.4	16QAM	1	3	19.56	19.60	19.67								
1.4	16QAM	3	1	19.78	19.70	19.69	21	5						
1.4	16QAM	3	3	19.36	19.69	19.56								
1.4	16QAM	1	0	17.22	17.35	17.35	21	5						
1.4	16QAM	1	3	19.36	19.69	19.56								



Band 66_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. (F/Hz)	Power Ch. (F/Hz)	Power Ch. (F/Hz)	Time-use (sec)	MFR (dB)			
Channel											
Frequency (MHz)				1702	1705	1770					
20	QPSK	1	0	24.27	24.26	24.23	26	0			
20	QPSK	1	48	24.27	24.24	24.32					
20	QPSK	1	96	24.28	24.26	24.43	25	1			
20	QPSK	50	0	23.46	23.43	23.51					
20	QPSK	50	24	23.46	23.43	23.51	24	2			
20	QPSK	50	48	23.47	23.45	23.58					
20	QPSK	100	0	23.53	23.46	23.55	23	3			
20	QPSK	1	0	23.78	23.71	23.79					
20	QPSK	1	48	23.79	23.71	23.79	22	4			
20	QPSK	50	0	22.49	22.45	22.51					
20	QPSK	50	24	22.50	22.51	22.57	21	5			
20	QPSK	50	48	22.52	22.47	22.58					
20	QPSK	100	0	22.59	22.46	22.57	20	6			
20	QPSK	1	0	22.62	22.57	22.72					
20	QPSK	1	48	22.66	22.65	22.69	19	7			
20	QPSK	1	96	22.58	22.54	22.64					
20	QPSK	50	0	21.56	21.52	21.59	18	8			
20	QPSK	50	24	21.56	21.52	21.59					
20	QPSK	50	48	21.50	21.47	21.55	17	9			
20	QPSK	100	0	21.52	21.47	21.55					
20	QPSK	1	0	19.47	19.36	19.42	16	10			
20	QPSK	1	48	19.52	19.37	19.57					
20	QPSK	1	96	19.38	19.26	19.47	15	11			
20	QPSK	50	0	18.36	18.26	18.45					
20	QPSK	50	24	19.50	19.47	19.51	14	12			
20	QPSK	50	48	19.47	19.42	19.50					
20	QPSK	100	0	19.47	19.42	19.50	13	13			
20	QPSK	100	24	19.47	19.42	19.50					
20	QPSK	100	48	19.47	19.42	19.50					
Channel											
Frequency (MHz)				1702	1705	1770	Time-use (sec)	MFR (dB)			
15	QPSK	1	0	24.26	24.21	24.43	26	0			
15	QPSK	1	32	24.48	24.41	24.52					
15	QPSK	1	64	24.32	24.28	24.43	25	1			
15	QPSK	36	0	23.44	23.37	23.48					
15	QPSK	36	24	23.50	23.47	23.54	24	2			
15	QPSK	36	48	23.49	23.41	23.51					
15	QPSK	75	0	23.47	23.43	23.52	23	3			
15	QPSK	1	0	23.68	23.63	23.81					
15	QPSK	1	32	23.78	23.73	23.84	22	4			
15	QPSK	1	64	23.81	23.76	23.85					
15	QPSK	36	0	22.48	22.40	22.48	21	5			
15	QPSK	36	24	22.55	22.48	22.56					
15	QPSK	75	0	22.51	22.46	22.51	20	6			
15	QPSK	1	0	22.62	22.52	22.69					
15	QPSK	1	32	22.74	22.67	22.76	19	7			
15	QPSK	1	64	22.58	22.53	22.65					
15	QPSK	36	0	21.45	21.39	21.49	18	8			
15	QPSK	36	24	21.52	21.45	21.56					
15	QPSK	75	0	21.50	21.42	21.50	17	9			
15	QPSK	1	0	19.47	19.36	19.42					
15	QPSK	1	32	19.43	19.39	19.50	16	10			
15	QPSK	1	64	19.22	19.11	19.25					
15	QPSK	36	0	18.36	18.27	18.36	15	11			
15	QPSK	36	24	19.50	19.38	19.44					
15	QPSK	75	0	19.36	19.26	19.43	14	12			
15	QPSK	75	0	19.36	19.26	19.43					
Channel											
Frequency (MHz)				1702	1705	1770	Time-use (sec)	MFR (dB)			
10	QPSK	1	0	24.26	24.21	24.43	26	0			
10	QPSK	1	24	24.48	24.38	24.52					
10	QPSK	1	48	24.38	24.32	24.44	25	1			
10	QPSK	12	0	23.44	23.34	23.43					
10	QPSK	12	12	23.54	23.47	23.50	24	2			
10	QPSK	25	0	23.52	23.43	23.55					
10	QPSK	25	12	23.59	23.47	23.58	23	3			
10	QPSK	1	0	23.79	23.64	23.94					
10	QPSK	1	24	23.81	23.72	23.89	22	4			
10	QPSK	1	48	23.82	23.73	23.90					
10	QPSK	25	0	22.52	22.41	22.52	21	5			
10	QPSK	25	12	22.59	22.49	22.63					
10	QPSK	50	0	22.58	22.45	22.67	20	6			
10	QPSK	50	12	22.64	22.50	22.70					
10	QPSK	1	0	20.48	20.35	20.50	19	7			
10	QPSK	1	48	20.62	20.56	20.70					
10	QPSK	1	96	20.52	20.41	20.52	18	8			
10	QPSK	25	0	21.46	21.40	21.51					
10	QPSK	25	12	21.50	21.42	21.56	17	9			
10	QPSK	50	0	21.53	21.46	21.58					
10	QPSK	1	0	19.35	19.18	19.25	16	10			
10	QPSK	1	24	19.28	19.11	19.38					
10	QPSK	1	48	19.16	19.06	19.21	15	11			
10	QPSK	1	72	19.35	19.12	19.38					
10	QPSK	25	0	18.26	18.27	18.32	14	12			
10	QPSK	25	12	18.26	18.27	18.32					
Channel											
Frequency (MHz)				1702	1705	1770	Time-use (sec)	MFR (dB)			
5	QPSK	1	0	24.27	24.26	24.23	26	0			
5	QPSK	1	12	24.27	24.22	24.32					
5	QPSK	1	24	24.42	24.34	24.45	25	1			
5	QPSK	12	0	23.46	23.34	23.43					
5	QPSK	12	7	23.52	23.41	23.44	24	2			
5	QPSK	12	13	23.49	23.38	23.47					
5	QPSK	25	0	23.46	23.38	23.42	23	3			
5	QPSK	1	0	23.61	23.50	23.67					
5	QPSK	1	12	23.65	23.60	23.67	22	4			
5	QPSK	1	24	23.68	23.61	23.62					
5	QPSK	12	0	22.67	22.46	22.47	21	5			
5	QPSK	12	7	22.74	22.51	22.49					
5	QPSK	25	0	22.68	22.45	22.53	20	6			
5	QPSK	1	0	22.69	22.48	22.58					
5	QPSK	1	12	22.70	22.47	22.57	19	7			
5	QPSK	1	24	22.68	22.61	22.68					
5	QPSK	12	0	21.24	21.21	21.43	18	8			
5	QPSK	12	7	21.24	21.16	21.48					
5	QPSK	25	0	21.21	21.14	21.50	17	9			
5	QPSK	1	0	19.26	19.12	19.19					
5	QPSK	1	12	19.26	19.18	19.31	16	10			
5	QPSK	1	24	19.26	19.18	19.31					

Band 38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	26	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.88	24.98	25.03	25	1	
20	QPSK	1	49	25.08	25.20	25.22			
20	QPSK	1	99	25.02	25.12	25.18			
20	QPSK	50	0	23.98	24.09	24.22			
20	QPSK	50	24	24.22	24.21	24.29	25	1	
20	QPSK	50	50	24.13	24.20	24.27			
20	QPSK	100	0	24.06	24.13	24.17			
20	16QAM	1	0	23.74	23.90	24.27			
20	16QAM	1	49	24.42	24.47	24.10	25	1	
20	16QAM	1	99	24.27	24.10	24.23			
20	16QAM	50	0	22.88	23.13	23.20			
20	16QAM	50	24	23.12	23.16	23.27			
20	16QAM	50	50	23.05	23.20	23.33	24	2	
20	16QAM	100	0	23.13	23.16	23.17			
20	64QAM	1	0	22.52	23.12	23.24			
20	64QAM	1	49	23.21	22.81	23.54			
20	64QAM	1	99	23.32	23.23	22.99	24	2	
20	64QAM	50	0	21.98	22.13	22.08			
20	64QAM	50	24	22.13	22.24	22.27			
20	64QAM	50	50	22.12	22.27	22.26			
20	64QAM	100	0	22.12	22.16	22.16	23	3	
20	256QAM	1	0	19.72	19.82	19.97			
20	256QAM	1	49	19.74	19.88	19.67			
20	256QAM	1	99	19.78	19.91	19.87			
20	256QAM	50	0	19.73	19.95	20.07	21	5	
20	256QAM	50	24	19.81	19.98	19.80			
20	256QAM	50	50	19.87	20.00	19.97			
20	256QAM	100	0	19.78	19.90	19.84			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	26	0	
15	QPSK	1	0	24.72	24.92	25.11			
15	QPSK	1	37	24.78	25.17	25.00	25	1	
15	QPSK	1	74	24.84	24.99	25.00			
15	QPSK	36	0	23.70	23.92	24.03			
15	QPSK	36	20	23.86	23.99	24.09			
15	QPSK	36	39	23.94	24.04	24.04	25	1	
15	QPSK	75	0	23.91	23.94	24.01			
15	16QAM	1	0	23.68	23.75	23.73			
15	16QAM	1	37	23.84	23.90	23.83			
15	16QAM	1	74	24.11	23.86	23.94	25	1	
15	16QAM	36	0	22.67	22.94	22.93			
15	16QAM	36	20	22.89	22.98	23.04			
15	16QAM	36	39	22.81	23.03	22.94			
15	16QAM	75	0	22.80	22.95	22.97	24	2	
15	64QAM	1	0	22.81	22.85	22.68			
15	64QAM	1	37	23.14	23.29	22.88			
15	64QAM	1	74	23.07	23.05	22.83			
15	64QAM	36	0	21.78	22.09	21.91	24	2	
15	64QAM	36	20	21.90	21.92	22.02			
15	64QAM	36	39	21.79	22.05	22.07			
15	64QAM	75	0	21.82	21.94	22.04			
15	256QAM	1	0	19.49	19.63	19.77	21	5	
15	256QAM	1	37	19.56	19.98	19.78			
15	256QAM	1	74	19.56	20.04	19.88			
15	256QAM	36	0	19.75	19.76	19.84			
15	256QAM	36	20	19.90	19.97	19.58	21	5	
15	256QAM	36	39	19.87	19.86	20.05			
15	256QAM	75	0	19.75	19.74	19.71			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	26	0	
10	QPSK	1	0	24.86	25.09	25.02			
10	QPSK	1	25	24.91	25.16	25.09	25	1	
10	QPSK	1	49	24.90	25.04	25.04			
10	QPSK	25	0	23.88	24.14	24.17			
10	QPSK	25	12	23.97	24.02	24.10			
10	QPSK	25	25	23.99	24.23	24.10	25	1	
10	QPSK	50	0	23.94	24.03	24.18			
10	16QAM	1	0	24.11	24.26	23.97			
10	16QAM	1	25	23.94	24.26	24.10			
10	16QAM	1	49	24.16	24.15	24.06	25	1	
10	16QAM	25	0	22.83	23.09	23.22			
10	16QAM	25	12	23.01	23.12	23.14			
10	16QAM	25	25	22.95	23.20	23.07			
10	16QAM	50	0	22.96	23.03	23.07	24	2	
10	64QAM	1	0	22.49	22.77	23.19			
10	64QAM	1	25	22.89	23.59	23.00			
10	64QAM	1	49	22.95	22.94	23.23			
10	64QAM	25	0	21.74	22.06	22.20	24	2	
10	64QAM	25	12	22.02	22.16	22.10			
10	64QAM	25	25	22.04	22.28	22.14			
10	64QAM	50	0	21.94	22.15	22.09			
10	256QAM	1	0	19.58	19.91	19.89	21	5	
10	256QAM	1	25	19.78	19.85	19.48			
10	256QAM	1	49	19.66	19.95	19.84			
10	256QAM	25	0	19.69	19.94	20.04			
10	256QAM	25	12	19.81	19.76	19.75	21	5	
10	256QAM	25	25	19.84	19.89	19.89			
10	256QAM	50	0	19.77	19.97	19.64			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2672.5	2695	2617.5	26	0	
5	QPSK	1	0	24.70	25.10	25.02			
5	QPSK	1	12	24.79	25.18	25.09	25	1	
5	QPSK	1	24	24.76	25.12	25.08			
5	QPSK	12	0	23.83	23.98	24.09			
5	QPSK	12	7	23.88	24.08	24.06			
5	QPSK	12	13	23.87	24.09	24.04	25	1	
5	QPSK	25	0	23.81	24.00	24.07			
5	16QAM	1	0	23.90	24.12	24.17			
5	16QAM	1	12	23.94	24.23	24.35			
5	16QAM	1	24	23.92	24.11	24.06	25	1	
5	16QAM	12	0	22.67	22.99	22.99			
5	16QAM	12	7	22.96	23.07	23.12			
5	16QAM	12	13	22.90	23.06	23.07			
5	16QAM	25	0	22.88	23.04	23.16	24	2	
5	64QAM	1	0	22.62	23.00	23.10			
5	64QAM	1	12	23.08	23.10	22.89			
5	64QAM	1	24	22.82	23.02	22.98			
5	64QAM	12	0	21.69	22.05	22.06	23	3	
5	64QAM	12	7	21.92	22.07	22.06			
5	64QAM	12	13	21.86	22.09	22.09			
5	64QAM	25	0	21.64	22.07	22.13			
5	256QAM	1	0	19.51	19.83	19.97	21	5	
5	256QAM	1	12	19.65	19.95	19.64			
5	256QAM	1	24	19.67	19.98	19.68			
5	256QAM	12	0	19.67	19.72	20.20			
5	256QAM	12	7	19.87	19.94	19.93	21	5	
5	256QAM	12	13	19.69	20.13	19.85			
5	256QAM	25	0	19.91	19.83	19.81			

Band 38_Ant 2									
BW [MHz]	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	17.12	17.20	17.22	18.5	0	
20	QPSK	1	49	17.39	17.43	17.49			
20	QPSK	1	99	17.31	17.41	17.26			
20	QPSK	50	0	16.10	16.31	16.35	17.5	1	
20	QPSK	50	24	16.27	16.36	16.43			
20	QPSK	50	50	16.12	16.28	16.38			
20	QPSK	100	0	16.27	16.32	16.40	17.5	1	
20	16QAM	1	0	16.46	16.48	16.79			
20	16QAM	1	49	16.48	16.71	16.48			
20	16QAM	1	99	16.53	16.59	16.69	16.5	2	
20	16QAM	50	0	15.11	15.32	15.26			
20	16QAM	50	24	15.36	15.23	15.41			
20	16QAM	50	50	15.38	15.43	15.49	16.5	2	
20	16QAM	100	0	15.16	15.36	15.45			
20	16QAM	1	0	15.56	15.50	15.36			
20	64QAM	1	0	15.79	15.55	15.60	16.5	2	
20	64QAM	1	99	15.69	15.69	15.38			
20	64QAM	50	0	14.16	14.28	14.27			
20	64QAM	50	24	14.26	14.39	14.50	15.5	3	
20	64QAM	50	50	14.25	14.36	14.44			
20	64QAM	100	0	14.21	14.29	14.34			
20	256QAM	1	0	11.96	12.12	12.16	13.5	5	
20	256QAM	1	49	11.84	12.10	11.97			
20	256QAM	1	99	12.15	12.07	12.15			
20	256QAM	50	0	11.92	12.15	12.07	13.5	5	
20	256QAM	50	24	12.05	12.17	11.97			
20	256QAM	50	50	12.15	12.14	12.07			
20	256QAM	100	0	12.15	12.15	11.88			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	17.17	17.27	17.02	18.5	0	
15	QPSK	1	37	17.46	17.40	17.41			
15	QPSK	1	74	17.21	17.33	17.23			
15	QPSK	36	0	16.98	16.10	16.05	17.5	1	
15	QPSK	36	20	16.28	16.24	16.46			
15	QPSK	36	39	16.19	16.26	16.45			
15	QPSK	75	0	16.22	16.30	16.41	17.5	1	
15	16QAM	1	0	16.23	16.25	16.87			
15	16QAM	1	37	16.33	16.64	16.25			
15	16QAM	1	74	16.57	16.56	16.61	16.5	2	
15	16QAM	36	0	15.00	15.23	15.15			
15	16QAM	36	20	15.35	14.98	15.24			
15	16QAM	36	39	15.46	15.47	15.39	16.5	2	
15	16QAM	75	0	14.89	15.36	15.38			
15	64QAM	1	0	15.40	15.33	15.16			
15	64QAM	1	37	15.62	15.43	15.61	16.5	2	
15	64QAM	1	74	15.55	15.76	15.32			
15	64QAM	36	0	14.20	14.18	14.16			
15	64QAM	36	20	14.27	14.34	14.33	15.5	3	
15	64QAM	36	39	14.13	14.33	14.25			
15	64QAM	75	0	14.22	14.28	14.24			
15	256QAM	1	0	11.72	11.90	11.97	13.5	5	
15	256QAM	1	37	11.73	12.04	11.95			
15	256QAM	1	74	12.13	11.84	11.90			
15	256QAM	36	0	11.85	11.95	11.91	13.5	5	
15	256QAM	36	20	12.02	11.92	11.80			
15	256QAM	36	39	12.15	11.95	11.95			
15	256QAM	75	0	12.01	12.16	11.95			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	17.07	16.92	17.10	18.5	0	
10	QPSK	1	25	17.42	17.46	17.43			
10	QPSK	1	49	17.03	17.28	17.14			
10	QPSK	25	0	16.06	16.35	16.39	17.5	1	
10	QPSK	25	12	16.23	16.37	16.21			
10	QPSK	25	25	15.85	16.01	16.30			
10	QPSK	50	0	16.20	16.27	16.38	17.5	1	
10	16QAM	1	0	16.48	16.31	16.69			
10	16QAM	1	25	16.54	16.56	16.49			
10	16QAM	1	49	16.29	16.49	16.76	16.5	2	
10	16QAM	25	0	14.85	15.20	15.07			
10	16QAM	25	12	15.25	15.16	15.27			
10	16QAM	25	25	15.30	15.29	15.40	16.5	2	
10	16QAM	50	0	14.99	15.38	15.33			
10	64QAM	1	0	15.55	15.29	15.35			
10	64QAM	1	25	15.54	15.42	15.65	16.5	2	
10	64QAM	1	49	15.58	15.76	15.35			
10	64QAM	25	0	14.15	14.00	14.07			
10	64QAM	25	12	14.09	14.44	14.47	15.5	3	
10	64QAM	25	25	14.00	14.29	14.37			
10	64QAM	50	0	14.26	14.06	14.25			
10	256QAM	1	0	11.87	12.10	12.21	13.5	5	
10	256QAM	1	25	11.84	12.07	11.83			
10	256QAM	1	49	12.15	11.84	11.93			
10	256QAM	25	0	11.70	12.01	11.90	13.5	5	
10	256QAM	25	12	12.10	12.20	12.03			
10	256QAM	25	25	12.16	11.90	12.15			
10	256QAM	50	0	12.04	12.22	11.89			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	16.88	17.00	17.23	18.5	0	
5	QPSK	1	12	17.25	17.41	17.48			
5	QPSK	1	24	17.07	17.45	16.99			
5	QPSK	12	0	15.86	16.07	16.19	17.5	1	
5	QPSK	12	7	16.19	16.35	16.32			
5	QPSK	12	13	15.97	16.23	16.19			
5	QPSK	25	0	16.34	16.29	16.42	17.5	1	
5	16QAM	1	0	16.26	16.29	16.76			
5	16QAM	1	12	16.55	16.61	16.45			
5	16QAM	1	24	16.29	16.42	16.44	16.5	2	
5	16QAM	12	0	14.94	15.11	15.09			
5	16QAM	12	7	15.39	15.09	15.24			
5	16QAM	12	13	15.26	15.26	15.30	16.5	2	
5	16QAM	25	0	15.13	15.30	15.49			
5	64QAM	1	0	15.42	15.24	15.41			
5	64QAM	1	12	15.67	15.40	15.54	16.5	2	
5	64QAM	1	24	15.42	15.68	15.15			
5	64QAM	12	0	14.14	14.21	14.21			
5	64QAM	12	7	14.09	14.30	14.56	15.5	3	
5	64QAM	12	13	14.25	14.43	14.21			
5	64QAM	25	0	14.04	14.22	14.06			
5	256QAM	1	0	11.71	12.19	11.89	13.5	5	
5	256QAM	1	12	11.76	11.99	11.96			
5	256QAM	1	24	12.22	12.03	12.20			
5	256QAM	12	0	11.91	12.18	12.02	13.5	5	
5	256QAM	12	7	11.96	11.98	12.01			
5	256QAM	12	13	11.93	12.04	11.83			
5	256QAM	25	0	11.87	12.13	11.65			



Band 41_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490	26	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	24.76	24.93	25.00	25.01	24.63	25	1	
20	QPSK	1	49	24.82	24.97	25.12	25.23	25.24			
20	QPSK	1	99	24.75	24.94	25.10	24.98	24.96	25	1	
20	QPSK	50	0	23.82	23.91	24.02	24.07	24.08			
20	QPSK	50	24	23.91	23.99	24.22	24.23	24.26	25	1	
20	QPSK	50	50	23.89	23.96	24.20	24.18	24.17			
20	QPSK	100	0	23.84	23.99	24.13	24.19	24.21	25	1	
20	16QAM	1	0	23.75	23.52	24.34	24.14	23.80			
20	16QAM	1	49	23.57	23.71	23.95	24.22	24.29	25	1	
20	16QAM	1	99	23.64	24.08	24.07	23.88	23.85			
20	16QAM	50	0	22.78	22.88	23.05	23.13	23.06	24	2	
20	16QAM	50	24	22.85	23.05	23.13	23.28	23.18			
20	16QAM	50	50	22.85	23.02	23.15	23.17	23.26	24	2	
20	16QAM	100	0	22.89	22.98	23.09	23.16	23.19			
20	64QAM	1	0	22.63	22.63	22.96	22.90	22.73	24	2	
20	64QAM	1	49	23.01	22.80	23.07	23.22	23.27			
20	64QAM	1	99	22.71	23.32	22.89	22.75	23.16	23	3	
20	64QAM	50	0	21.75	21.92	22.10	22.14	22.15			
20	64QAM	50	24	21.90	21.94	22.15	22.31	22.27	23	3	
20	64QAM	50	50	21.89	22.07	22.12	22.20	22.20			
20	64QAM	100	0	21.93	22.01	22.16	22.16	22.22	21	5	
20	256QAM	1	0	19.41	19.64	19.65	19.88	19.52			
20	256QAM	1	49	19.21	19.40	19.62	19.51	19.59	21	5	
20	256QAM	1	99	19.45	19.61	19.75	19.50	19.54			
20	256QAM	50	0	19.44	19.75	19.83	19.72	19.62	21	5	
20	256QAM	50	24	19.17	19.38	19.68	19.53	19.68			
20	256QAM	50	50	19.49	19.47	19.73	19.63	19.72	21	5	
20	256QAM	100	0	19.36	19.58	19.65	19.63	19.87			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	26	0	
15	QPSK	1	0	24.62	24.56	24.65	24.89	24.59			
15	QPSK	1	37	24.61	24.72	24.79	25.15	25.03	25	1	
15	QPSK	1	74	24.54	24.62	25.08	24.86	24.85			
15	QPSK	36	0	23.64	23.62	23.83	23.97	23.88	25	1	
15	QPSK	36	20	23.65	23.79	23.93	24.08	24.06			
15	QPSK	36	39	23.67	23.76	23.95	23.97	23.99	25	1	
15	QPSK	75	0	23.69	23.79	23.94	24.08	23.95			
15	16QAM	1	0	23.36	23.57	23.96	23.86	23.81	25	1	
15	16QAM	1	37	23.81	23.65	23.62	24.49	24.11			
15	16QAM	1	74	23.74	23.76	23.58	23.76	24.11	24	2	
15	16QAM	36	0	22.74	22.71	22.83	23.00	22.91			
15	16QAM	36	20	22.66	22.79	22.83	23.06	23.05	24	2	
15	16QAM	36	39	22.66	22.76	22.92	23.06	23.02			
15	16QAM	75	0	22.71	22.81	22.87	22.97	23.02	24	2	
15	64QAM	1	0	22.53	22.95	23.03	22.90	22.78			
15	64QAM	1	37	22.84	22.99	22.53	22.79	22.76	24	2	
15	64QAM	1	74	22.79	22.97	22.78	22.72	22.77			
15	64QAM	36	0	21.66	21.63	21.81	21.95	21.96	23	3	
15	64QAM	36	20	21.69	21.85	21.88	22.07	22.03			
15	64QAM	36	39	21.72	21.68	21.95	22.10	21.95	21	5	
15	64QAM	75	0	21.68	21.81	21.91	21.96	21.95			
15	256QAM	1	0	19.29	19.51	19.49	19.84	19.24	21	5	
15	256QAM	1	37	19.55	19.51	19.53	19.84	19.44			
15	256QAM	1	74	19.27	19.63	19.72	19.78	19.33	21	5	
15	256QAM	36	0	19.33	19.45	19.61	19.81	19.69			
15	256QAM	36	20	19.23	19.38	19.73	19.65	19.81	21	5	
15	256QAM	36	39	19.54	19.58	19.80	19.60	19.86			
15	256QAM	75	0	19.43	19.51	19.51	19.61	19.84	26	0	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685	26	0	
10	QPSK	1	0	24.54	24.81	24.95	24.68	24.82			
10	QPSK	1	25	24.78	24.88	24.96	25.02	25.17	25	1	
10	QPSK	1	49	24.69	24.77	25.07	24.85	24.82			
10	QPSK	25	0	23.74	23.70	23.94	24.02	24.08	25	1	
10	QPSK	25	12	23.73	23.88	23.93	24.23	24.09			
10	QPSK	25	25	23.76	23.84	24.02	24.17	23.95	25	1	
10	QPSK	50	0	23.77	23.90	23.99	24.10	24.04			
10	16QAM	1	0	23.91	23.95	23.82	23.86	23.57	25	1	
10	16QAM	1	25	23.47	23.73	24.20	24.21	23.82			
10	16QAM	1	49	23.69	23.72	23.92	23.78	24.05	24	2	
10	16QAM	25	0	22.62	22.75	22.92	23.09	23.07			
10	16QAM	25	12	22.76	22.80	22.85	23.20	23.13	24	2	
10	16QAM	25	25	22.63	22.81	23.10	23.09	23.02			
10	16QAM	50	0	22.77	22.84	22.97	23.16	23.03	24	2	
10	64QAM	1	0	22.82	22.83	23.02	22.51	22.82			
10	64QAM	1	25	22.52	22.86	22.42	23.04	23.00	23	3	
10	64QAM	1	49	23.03	22.82	22.81	22.93	22.58			
10	64QAM	25	0	21.75	21.71	21.91	22.04	22.06	21	5	
10	64QAM	25	12	21.70	21.90	22.06	22.24	22.12			
10	64QAM	25	25	21.65	21.85	22.07	22.11	21.93	21	5	
10	64QAM	50	0	21.72	21.83	22.12	22.10	21.95			
10	256QAM	1	0	19.32	19.59	19.72	19.65	19.25	21	5	
10	256QAM	1	25	19.31	19.60	19.70	19.48	19.44			
10	256QAM	1	49	19.58	19.64	19.66	19.65	19.49	21	5	
10	256QAM	25	0	19.49	19.63	19.54	19.77	19.49			
10	256QAM	25	12	19.34	19.49	19.50	19.33	19.70	21	5	
10	256QAM	25	25	19.64	19.33	19.89	19.50	19.81			
10	256QAM	50	0	19.58	19.54	19.86	19.63	19.86	26	0	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5	26	0	
5	QPSK	1	0	24.81	24.89	24.91	25.18	25.06			
5	QPSK	1	12	24.86	24.99	25.06	25.21	25.12	25	1	
5	QPSK	1	24	24.84	25.02	25.11	25.18	25.06			
5	QPSK	12	0	23.82	23.89	24.03	24.21	24.20	25	1	
5	QPSK	12	7	23.81	24.06	24.12	24.38	24.21			
5	QPSK	12	13	23.76	23.88	24.05	24.29	24.21	25	1	
5	QPSK	25	0	23.86	23.94	24.15	24.32	24.15			
5	16QAM	1	0	23.69	23.68	23.70	24.27	24.13	25	1	
5	16QAM	1	12	24.07	23.80	24.36	24.05	24.18			
5	16QAM	1	24	23.78	24.21	23.99	24.05	24.12	24	2	
5	16QAM	12	0	22.82	22.96	23.09	23.21	23.23			
5	16QAM	12	7	22.81	22.94	23.19	23.24	23.19	24	2	
5	16QAM	12	13	22.80	22.90	23.05	23.11	23.13			
5	16QAM	25	0	22.74	22.80	23.13	23.28	23.25	24	2	
5	64QAM	1	0	22.78	22.66	22.84	22.98	22.86			
5	64QAM	1	12	22.63	22.80	23.01	22.91	22.87	24	2	
5	64QAM	1	24	22.63	22.74	23.07	23.08	22.96			
5	64QAM	12	0	21.84	22.04	22.00	22.21	22.18	23	3	
5	64QAM	12	7	21.90	21.78	22.17	22.26	22.24			
5	64QAM	12	13	21.86	21.85	21.99	22.23	22.13	23	3	
5	64QAM	25	0	21.85	22.06	22.10	22.26	22.14			
5	256QAM	1	0	19.44	19.36	19.53	19.73	19.43	21	5	
5	256QAM	1	12	19.36	19.42	19.68	19.78	19.54			
5	256QAM	1	24	19.43	19.53	19.64	19.62	19.40	21	5	
5	256QAM	12	0	19.33	19.40	19.50	19.83	19.50			
5	256QAM	12	7	19.40	19.32	19.81	19.45	19.62	21	5	
5	256QAM	12	13	19.74	19.40	19.67	19.47	19.62			
5	256QAM	25	0	19.47	19.75	19.67	19.74	19.61	21	5	

Band 41_Ant 2											
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	18.5	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	16.95	17.26	17.31	16.99	16.93			
20	QPSK	1	49	17.16	17.33	17.42	17.50	17.45	17.5	1	
20	QPSK	1	99	17.14	17.32	17.21	17.48	17.39			
20	QPSK	50	0	16.15	16.22	16.36	16.33	16.27			
20	QPSK	50	24	16.16	16.32	16.43	16.47	16.44	17.5	1	
20	QPSK	50	50	16.14	16.30	16.36	16.45	16.43			
20	QPSK	100	0	16.10	16.25	16.39	16.42	16.29			
20	16QAM	1	0	15.98	16.21	16.66	16.41	15.91	17.5	1	
20	16QAM	1	49	16.12	16.30	16.34	16.59	16.39			
20	16QAM	1	99	16.06	16.20	16.13	16.43	16.57			
20	16QAM	50	0	15.07	15.18	15.29	15.25	15.21	16.5	2	
20	16QAM	50	24	15.17	15.21	15.42	15.42	15.31			
20	16QAM	50	50	15.22	15.29	15.45	15.64	15.42			
20	16QAM	100	0	15.12	15.25	15.33	15.35	15.30	16.5	2	
20	64QAM	1	0	14.98	15.04	15.34	15.37	14.95			
20	64QAM	1	49	14.80	15.19	15.45	15.50	15.29			
20	64QAM	1	99	15.09	15.32	15.54	15.58	15.54	15.5	3	
20	64QAM	50	0	14.05	14.16	14.25	14.32	14.19			
20	64QAM	50	24	14.11	14.24	14.26	14.43	14.36			
20	64QAM	50	50	14.22	14.16	14.38	14.52	14.41	13.5	5	
20	64QAM	100	0	14.12	14.23	14.33	14.34	14.21			
20	256QAM	1	0	11.94	11.68	11.76	11.86	11.91			
20	256QAM	1	49	11.99	12.00	11.96	12.21	12.04	13.5	5	
20	256QAM	1	99	11.70	11.83	11.61	11.78	11.60			
20	256QAM	50	0	11.88	12.00	11.88	12.15	11.97			
20	256QAM	50	24	12.30	12.14	12.33	12.26	12.20	13.5	5	
20	256QAM	50	50	12.00	12.07	12.01	12.13	12.17			
20	256QAM	100	0	12.06	12.08	12.19	12.15	11.91			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	18.5	0	
15	QPSK	1	0	17.01	16.99	17.26	16.89	16.76			
15	QPSK	1	37	17.10	17.34	17.37	17.32	17.38	17.5	1	
15	QPSK	1	74	17.14	17.32	17.18	17.44	17.37			
15	QPSK	36	0	16.23	15.98	16.34	16.10	16.17			
15	QPSK	36	20	15.91	16.24	16.49	16.47	16.33	17.5	1	
15	QPSK	36	39	16.08	16.29	16.23	16.35	16.29			
15	QPSK	75	0	16.10	15.98	16.12	16.19	16.03			
15	16QAM	1	0	15.90	16.03	16.46	16.28	15.65	17.5	1	
15	16QAM	1	37	16.13	16.09	16.19	16.53	16.34			
15	16QAM	1	74	16.09	15.98	15.90	16.35	16.65			
15	16QAM	36	0	15.10	14.94	15.28	14.99	14.96	16.5	2	
15	16QAM	36	20	15.06	15.02	15.36	15.26	15.39			
15	16QAM	36	39	15.00	15.26	15.51	15.68	15.47			
15	16QAM	75	0	14.90	15.00	15.20	15.10	15.23	16.5	2	
15	64QAM	1	0	14.99	14.84	15.36	14.85	14.90			
15	64QAM	1	37	14.97	14.79	15.19	15.54	15.31			
15	64QAM	1	74	14.94	15.36	15.47	15.55	15.66	15.5	3	
15	64QAM	36	0	13.94	14.21	14.23	14.11	13.97			
15	64QAM	36	20	14.17	13.97	14.07	14.37	14.33			
15	64QAM	36	39	13.97	14.15	14.35	14.44	14.47	13.5	5	
15	64QAM	75	0	13.94	14.09	14.20	14.32	14.08			
15	256QAM	1	0	12.00	11.55	11.65	11.72	11.76			
15	256QAM	1	37	11.86	12.05	11.74	12.28	12.06	13.5	5	
15	256QAM	1	74	11.61	11.65	11.59	11.55	11.54			
15	256QAM	36	0	11.95	12.01	11.60	12.11	11.72			
15	256QAM	36	20	12.22	12.19	12.41	12.21	12.03	13.5	5	
15	256QAM	36	39	12.06	12.02	12.06	12.05	12.12			
15	256QAM	75	0	11.82	12.09	11.98	12.00	11.87			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685	18.5	0	
10	QPSK	1	0	16.84	17.13	17.38	17.01	17.01			
10	QPSK	1	25	17.11	17.33	17.15	17.48	17.39	17.5	1	
10	QPSK	1	49	17.22	17.19	17.09	17.23	17.34			
10	QPSK	25	0	16.02	16.22	16.11	16.08	16.16			
10	QPSK	25	12	16.06	16.13	16.37	16.51	16.24	17.5	1	
10	QPSK	25	25	15.89	16.37	16.30	16.18	16.50			
10	QPSK	50	0	16.01	16.01	16.41	16.22	16.34			
10	16QAM	1	0	15.98	16.10	16.48	16.23	15.70	17.5	1	
10	16QAM	1	25	16.10	16.03	16.27	16.55	16.38			
10	16QAM	1	49	15.82	16.01	16.17	16.45	16.44			
10	16QAM	25	0	14.95	15.11	15.31	15.09	15.03	16.5	2	
10	16QAM	25	12	15.13	15.22	15.46	15.30	15.20			
10	16QAM	25	25	15.02	15.22	15.35	15.42	15.50			
10	16QAM	50	0	14.93	15.00	15.08	15.20	15.24	16.5	2	
10	64QAM	1	0	14.98	14.91	15.09	14.56	14.61			
10	64QAM	1	25	14.80	14.85	15.45	15.50	15.13			
10	64QAM	1	49	14.99	15.28	15.27	15.33	15.23	15.5	3	
10	64QAM	25	0	14.11	14.24	14.14	14.18	13.99			
10	64QAM	25	12	13.94	14.08	14.09	14.33	14.42			
10	64QAM	25	25	14.14	14.00	14.43	14.56	14.18	13.5	5	
10	64QAM	50	0	13.84	14.12	14.32	14.17	14.28			
10	256QAM	1	0	11.69	11.63	11.82	11.73	11.81			
10	256QAM	1	25	11.78	11.85	11.79	12.10	12.03	13.5	5	
10	256QAM	1	49	11.64	11.70	11.68	11.54	11.56			
10	256QAM	25	0	11.83	12.06	11.92	11.96	11.73			
10	256QAM	25	12	12.07	12.20	12.36	11.98	12.09	13.5	5	
10	256QAM	25	25	12.07	12.10	11.83	12.20	12.08			
10	256QAM	50	0	12.09	11.81	11.93	12.17	11.76			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	18.5	0	
5	QPSK	1	0	17.01	17.24	17.28	16.75	16.69			
5	QPSK	1	12	17.04	17.38	17.19	17.48	17.43	17.5	1	
5	QPSK	1	24	17.12	17.09	17.26	17.27	17.46			
5	QPSK	12	0	15.82	15.97	16.22	16.32	16.18			
5	QPSK	12	7	16.23	16.06	16.15	16.22	16.40	17.5	1	
5	QPSK	12	13	16.04	16.24	16.22	16.18	16.44			
5	QPSK	25	0	16.06	15.98	16.18	16.47	16.26			
5	16QAM	1	0	15.74	15.97	16.59	16.15	15.97	17.5	1	
5	16QAM	1	12	16.20	16.15	16.27	16.54	16.41			
5	16QAM	1	24	16.10	16.25	16.06	16.39	16.55			
5	16QAM	12	0	14.86	14.95	15.16	15.13	15.10	16.5	2	
5	16QAM	12	7	14.91	14.96	15.18	15.46	15.34			
5	16QAM	12	13	15.29	15.11	15.32	15.64	15.40			
5	16QAM	25	0	14.99	15.22	15.20	15.14	15.17	16.5	2	
5	64QAM	1	0	14.86	15.03	15.09	14.65	14.59			
5	64QAM	1	12	14.86	14.77	15.37	15.58	15.06			
5	64QAM	1	24	15.14	15.39	15.61	15.53	15.52	15.5	3	
5	64QAM	12	0	13.77	14.04	14.33	14.28	13.91			
5	64QAM	12	7	13.83	14.17	14.28	14.31	14.19			
5	64QAM	12	13	14.21	14.16	14.21	14.53	14.26	13.5	5	
5	64QAM	25	0	14.14	14.21	14.35	14.09	14.14			
5	256QAM	1	0	12.00	11.65	11.60	11.73	11.73			
5	256QAM	1	12	12.04	12.01	11.83	11.95	11.85	13.5	5	
5	256QAM	1	24	11.50	11.55	11.65	11.82	11.66			
5	256QAM	12	0	11.72	11.77	11.88	12.10	11.98			
5	256QAM	12	7	12.02	12.08	12.13	12.02	12.08	13.5	5	
5	256QAM	12	13	12.00	11.99	12.09	11.95	12.18			
5	256QAM	25	0	11.98	11.99	12.23	12.22	11.94			



WWAN Power for State 12

GSM850_Ant 0	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		29.57	29.45	29.90	31.00	20.57	20.45	20.90	22.00
GPRS 1 Tx slot		29.55	29.42	29.88	31.00	20.55	20.42	20.88	22.00
GPRS 2 Tx slots		29.46	29.30	29.77	31.00	23.46	23.30	23.77	25.00
EDGE 1 Tx slot		24.32	24.54	24.33	26.00	15.32	15.54	15.33	17.00
EDGE 2 Tx slots		24.01	24.36	24.78	26.00	18.01	18.36	18.78	20.00

GSM1900_Ant 1	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	1860		1909.6	1850.2	1860		1909.6
GSM 1 Tx slot		25.79	25.90	25.87	27.00	16.79	16.90	16.87	18.00
GPRS 1 Tx slot		25.77	25.96	25.84	27.00	16.77	16.86	16.84	18.00
GPRS 2 Tx slots		25.68	25.74	25.75	27.00	19.68	19.74	19.75	21.00
EDGE 1 Tx slot		20.94	20.86	20.77	24.00	11.94	11.86	11.77	15.00
EDGE 2 Tx slots		20.69	20.77	20.96	24.00	14.69	14.77	14.98	18.00

GSM1900_Ant 2	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tuneup Limit (dBm)	
	Tx Channel	512	661		810	512	661		810
	Frequency (MHz)	1850.2	1860		1909.6	1850.2	1860		1909.6
GSM 1 Tx slot		30.07	30.02	30.10	31.00	21.07	21.02	21.10	22.00
GPRS 1 Tx slot		30.05	30.00	30.08	31.00	21.05	21.00	21.08	22.00
GPRS 2 Tx slots		29.84	29.88	29.89	31.00	23.84	23.88	23.89	25.00
EDGE 1 Tx slot		25.23	25.49	25.64	28.00	16.23	16.49	16.64	19.00
EDGE 2 Tx slots		25.16	25.41	25.52	28.00	19.16	19.41	19.52	22.00

Band	WCDMA II_Ant 1				Tune-up Limit (dBm)	WCDMA II_Ant 2				Tune-up Limit (dBm)
	TX Channel		9538			9538		9538		
	Rx Channel		9538			9538		9538		
	Frequency (MHz)		1907.6			1907.6		1907.6		
3GPP Rel 99	AMR 12.2Kbps	19.72	19.60	19.74	20.50	25.15	25.08	25.16	25.50	
3GPP Rel 99	RMC 12.2Kbps	19.74	19.62	19.76	20.50	25.17	25.11	25.19	25.50	
3GPP Rel 6	HSDPA Subtest-1	18.52	18.36	18.34	19.50	23.96	23.92	24.03	24.50	
3GPP Rel 6	HSDPA Subtest-2	18.52	18.36	18.40	19.50	23.96	23.94	24.02	24.50	
3GPP Rel 6	HSDPA Subtest-3	18.00	17.88	17.90	19.00	23.49	23.42	23.50	24.00	
3GPP Rel 6	HSDPA Subtest-4	17.98	17.89	17.83	19.00	23.46	23.43	23.49	24.00	
3GPP Rel 6	DC-HSDPA Subtest-1	18.40	18.28	18.25	19.50	23.88	23.84	23.96	24.50	
3GPP Rel 6	DC-HSDPA Subtest-2	18.36	18.20	18.37	19.50	23.86	23.80	23.93	24.50	
3GPP Rel 6	DC-HSDPA Subtest-3	17.86	17.73	17.83	19.00	23.37	23.35	23.43	24.00	
3GPP Rel 6	DC-HSDPA Subtest-4	17.80	17.72	17.75	19.00	23.36	23.36	23.41	24.00	
3GPP Rel 6	HSUPA Subtest-1	18.32	18.38	18.67	19.50	23.90	23.97	24.08	24.50	
3GPP Rel 6	HSUPA Subtest-2	16.62	16.58	16.47	17.50	21.99	22.01	22.08	22.50	
3GPP Rel 6	HSUPA Subtest-3	17.50	17.59	17.41	18.50	23.04	22.96	23.09	23.50	
3GPP Rel 6	HSUPA Subtest-4	16.71	16.54	16.75	17.50	22.05	22.02	22.13	22.50	
3GPP Rel 6	HSUPA Subtest-5	16.50	16.60	16.60	19.50	24.10	24.00	24.10	24.50	

Band	WCDMA IV_Ant 1				Tune-up Limit (dBm)	WCDMA IV_Ant 2				Tune-up Limit (dBm)
	Tx Channel	1312	1413	1513		1312	1413	1513		
	Rx Channel	1537	1638	1738		1537	1638	1738		
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	21.80	21.55	21.51	22.50	25.27	25.02	25.00	25.50	
3GPP Rel 99	RMC 12.2Kbps	21.82	21.57	21.54	22.50	25.30	25.04	25.02	25.50	
3GPP Rel 6	HSDPA Subtest-1	20.47	20.29	20.24	21.50	24.07	23.87	23.80	24.50	
3GPP Rel 6	HSDPA Subtest-2	20.47	20.33	20.22	21.50	24.04	23.88	23.78	24.50	
3GPP Rel 6	HSDPA Subtest-3	20.00	19.79	19.74	21.00	23.60	23.35	23.29	24.00	
3GPP Rel 6	HSDPA Subtest-4	19.98	19.81	19.72	21.00	23.56	23.33	23.30	24.00	
3GPP Rel 6	DC-HSDPA Subtest-1	20.36	20.07	20.02	21.50	23.93	23.76	23.71	24.50	
3GPP Rel 6	DC-HSDPA Subtest-2	20.27	20.06	20.07	21.50	23.91	23.79	23.67	24.50	
3GPP Rel 6	DC-HSDPA Subtest-3	19.93	19.56	19.58	21.00	23.51	23.23	23.14	24.00	
3GPP Rel 6	DC-HSDPA Subtest-4	19.84	19.56	19.67	21.00	23.48	23.25	23.15	24.00	
3GPP Rel 6	HSUPA Subtest-1	20.53	20.30	20.28	21.50	24.10	23.91	23.90	24.50	
3GPP Rel 6	HSUPA Subtest-2	18.52	18.32	18.30	19.50	22.14	21.93	21.84	22.50	
3GPP Rel 6	HSUPA Subtest-3	19.52	19.30	19.29	20.50	23.11	22.94	22.88	23.50	
3GPP Rel 6	HSUPA Subtest-4	18.51	18.31	18.32	19.50	22.14	21.92	21.90	22.50	
3GPP Rel 6	HSUPA Subtest-5	20.50	20.40	20.30	21.50	24.10	23.90	23.90	24.50	

Band	WCDMA_V_Ant 0				Tune-up Limit (dBm)	WCDMA_V_Ant 2				Tune-up Limit (dBm)
	Tx Channel	4132	4182	4233		Tx Channel	4132	4182	4233	
	Rx Channel	4357	4407	4458		Rx Channel	4357	4407	4458	
	Frequency (MHz)	826.4	836.4	846.6		Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.79	24.75	24.81	25.50	24.79	24.75	24.81	25.50	
3GPP Rel 99	RMC 12.2Kbps	24.80	24.77	24.87	25.50	24.80	24.77	24.87	25.50	
3GPP Rel 6	HSDPA Subtest-1	23.73	23.70	23.77	24.50	23.73	23.70	23.77	24.50	
3GPP Rel 6	HSDPA Subtest-2	23.75	23.74	23.77	24.50	23.75	23.74	23.77	24.50	
3GPP Rel 6	HSDPA Subtest-3	23.27	23.24	23.25	24.00	23.27	23.24	23.25	24.00	
3GPP Rel 6	HSDPA Subtest-4	23.23	23.18	23.20	24.00	23.23	23.18	23.20	24.00	
3GPP Rel 6	DC-HSDPA Subtest-1	23.69	23.67	23.77	24.50	23.69	23.67	23.77	24.50	
3GPP Rel 6	DC-HSDPA Subtest-2	23.68	23.68	23.68	24.50	23.68	23.68	23.68	24.50	
3GPP Rel 6	DC-HSDPA Subtest-3	23.18	23.16	23.21	24.00	23.18	23.16	23.21	24.00	
3GPP Rel 6	DC-HSDPA Subtest-4	23.17	23.11	23.11	24.00	23.17	23.11	23.11	24.00	
3GPP Rel 6	HSUPA Subtest-1	23.74	23.71	23.78	24.50	23.74	23.71	23.78	24.50	
3GPP Rel 6	HSUPA Subtest-2	21.75	21.72	21.78	22.50	21.75	21.72	21.78	22.50	
3GPP Rel 6	HSUPA Subtest-3	22.75	22.71	22.83	23.50	22.75	22.71	22.83	23.50	
3GPP Rel 6	HSUPA Subtest-4	21.75	21.71	21.80	22.50	21.75	21.71	21.80	22.50	
3GPP Rel 6	HSUPA Subtest-5	23.70	23.70	23.80	24.50	23.70	23.70	23.80	24.50	

Band 2_Ant 1							

Band 2_Ant 2									
					Power	Power	Power		
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

[illegible][illegible]

APR	FNU	Modulation	IS	BIC	OFDM	Channel				T-avg (ms)	APR (dB)
						15.500	15.500	15.500	15.500		
Frequency (MHz)											
20	OPSK	1	0	15.50	15.50	15.50	15.50	15.50	21.5	0	
20	OPSK	1	30	15.53	15.53	15.53	15.53	15.53	21.5	0	
20	OPSK	1	60	15.56	15.56	15.56	15.56	15.56	21.5	0	
20	OPSK	50	24	15.56	15.56	15.56	15.56	15.56	20.5	1	
20	OPSK	50	50	15.59	15.59	15.59	15.59	15.59	20.5	1	
20	QAM	1	0	15.53	15.53	15.53	15.53	15.53	20.5	1	
20	QAM	1	40	15.56	15.56	15.56	15.56	15.56	20.5	1	
20	QAM	1	80	15.59	15.59	15.59	15.59	15.59	20.5	1	
20	QAM	50	0	15.56	15.56	15.56	15.56	15.56	19.5	2	
20	QAM	50	24	15.54	15.54	15.54	15.54	15.54	19.5	2	
20	QAM	50	50	15.57	15.57	15.57	15.57	15.57	19.5	2	
20	QAM	100	0	15.53	15.53	15.53	15.53	15.53	19.5	2	
20	QAM	100	24	15.56	15.56	15.56	15.56	15.56	19.5	2	
20	QAM	100	50	15.59	15.59	15.59	15.59	15.59	19.5	2	
20	QAM	150	0	15.56	15.56	15.56	15.56	15.56	18.5	3	
20	QAM	150	0	15.59	15.59	15.59	15.59	15.59	18.5	3	
20	QAM	150	0	15.62	15.62	15.62	15.62	15.62	18.5	3	
20	QAM	150	0	15.65	15.65	15.65	15.65	15.65	18.5	3	
20	QAM	150	0	15.68	15.68	15.68	15.68	15.68	18.5	3	
20	QAM	150	0	15.71	15.71	15.71	15.71	15.71	18.5	3	
20	QAM	150	0	15.74	15.74	15.74	15.74	15.74	18.5	3	
20	QAM	150	0	15.77	15.77	15.77	15.77	15.77	18.5	3	
20	QAM	150	0	15.80	15.80	15.80	15.80	15.80	18.5	3	
20	QAM	150	0	15.83	15.83	15.83	15.83	15.83	18.5	3	
20	QAM	150	0	15.86	15.86	15.86	15.86	15.86	18.5	3	
20	QAM	150	0	15.89	15.89	15.89	15.89	15.89	18.5	3	
20	QAM	150	0	15.92	15.92	15.92	15.92	15.92	18.5	3	
20	QAM	150	0	15.95	15.95	15.95	15.95	15.95	18.5	3	
20	QAM	150	0	15.98	15.98	15.98	15.98	15.98	18.5	3	
20	QAM	150	0	16.01	16.01	16.01	16.01	16.01	18.5	3	
20	QAM	150	0	16.04	16.04	16.04	16.04	16.04	18.5	3	
20	QAM	150	0	16.07	16.07	16.07	16.07	16.07	18.5	3	
20	QAM	150	0	16.10	16.10	16.10	16.10	16.10	18.5	3	
20	QAM	150	0	16.13	16.13	16.13	16.13	16.13	18.5	3	
20	QAM	150	0	16.16	16.16	16.16	16.16	16.16	18.5	3	
20	QAM	150	0	16.19	16.19	16.19	16.19	16.19	18.5	3	
20	QAM	150	0	16.22	16.22	16.22	16.22	16.22	18.5	3	
20	QAM	150	0	16.25	16.25	16.25	16.25	16.25	18.5	3	
20	QAM	150	0	16.28	16.28	16.28	16.28	16.28	18.5	3	
20	QAM	150	0	16.31	16.31	16.31	16.31	16.31	18.5	3	
20	QAM	150	0	16.34	16.34	16.34	16.34	16.34	18.5	3	
20	QAM	150	0	16.37	16.37	16.37	16.37	16.37	18.5	3	
20	QAM	150	0	16.40	16.40	16.40	16.40	16.40	18.5	3	
20	QAM	150	0	16.43	16.43	16.43	16.43	16.43	18.5	3	
20	QAM	150	0	16.46	16.46	16.46	16.46	16.46	18.5	3	
20	QAM	150	0	16.49	16.49	16.49	16.49	16.49	18.5	3	
20	QAM	150	0	16.52	16.52	16.52	16.52	16.52	18.5	3	
20	QAM	150	0	16.55	16.55	16.55	16.55	16.55	18.5	3	
20	QAM	150	0	16.58	16.58	16.58	16.58	16.58	18.5	3	
20	QAM	150	0	16.61	16.61	16.61	16.61	16.61	18.5	3	
20	QAM	150	0	16.64	16.64	16.64	16.64	16.64	18.5	3	
20	QAM	150	0	16.67	16.67	16.67	16.67	16.67	18.5	3	
20	QAM	150	0	16.70	16.70	16.70	16.70	16.70	18.5	3	
20	QAM	150	0	16.73	16.73	16.73	16.73	16.73	18.5	3	
20	QAM	150	0	16.76	16.76	16.76	16.76	16.76	18.5	3	
20	QAM	150	0	16.79	16.79	16.79	16.79	16.79	18.5	3	
20	QAM	150	0	16.82	16.82	16.82	16.82	16.82	18.5	3	
20	QAM	150	0	16.85	16.85	16.85	16.85	16.85	18.5	3	
20	QAM	150	0	16.88	16.88	16.88	16.88	16.88	18.5	3	
20	QAM	150	0	16.91	16.91	16.91	16.91	16.91	18.5	3	
20	QAM	150	0	16.94	16.94	16.94	16.94	16.94	18.5	3	
20	QAM	150	0	16.97	16.97	16.97	16.97	16.97	18.5	3	
20	QAM	150	0	17.00	17.00	17.00	17.00	17.00	18.5	3	
20	QAM	150	0	17.03	17.03	17.03	17.03	17.03	18.5	3	
20	QAM	150	0	17.06	17.06	17.06	17.06	17.06	18.5	3	
20	QAM	150	0	17.09	17.09	17.09	17.09	17.09	18.5	3	
20	QAM	150	0	17.12	17.12	17.12	17.12	17.12	18.5	3	
20	QAM	150	0	17.15	17.15	17.15	17.15	17.15	18.5	3	
20	QAM	150	0	17.18	17.18	17.18	17.18	17.18	18.5	3	
20	QAM	150	0	17.21	17.21	17.21	17.21	17.21	18.5	3	
20	QAM	150	0	17.24	17.24	17.24	17.24	17.24	18.5	3	
20	QAM	150	0	17.27	17.27	17.27	17.27	17.27	18.5	3	
20	QAM	150	0	17.30	17.30	17.30	17.30	17.30	18.5	3	
20	QAM	150	0	17.33	17.33	17.33	17.33	17.33	18.5	3	
20	QAM	150	0	17.36	17.36	17.36	17.36	17.36	18.5	3	
20	QAM	150	0	17.39	17.39	17.39	17.39	17.39	18.5	3	
20	QAM	150	0	17.42	17.42	17.42	17.42	17.42	18.5	3	
20	QAM	150	0	17.45	17.45	17.45	17.45	17.45	18.5	3	
20	QAM	150	0	17.48	17.48	17.48	17.48	17.48	18.5	3	
20	QAM	150	0	17.51	17.51	17.51	17.51	17.51	18.5	3	
20	QAM	150	0	17.54	17.54	17.54	17.54	17.54	18.5	3	
20	QAM	150	0	17.57	17.57	17.57	17.57	17.57	18.5	3	
20	QAM	150	0	17.60	17.60	17.60	17.60	17.60	18.5	3	
20	QAM	150	0	17.63	17.63	17.63	17.63	17.63	18.5	3	
20	QAM	150	0	17.66	17.66	17.66	17.66	17.66	18.5	3	
20	QAM	150	0	17.69	17.69	17.69	17.69	17.69	18.5	3	
20	QAM	150	0	17.72	17.72	17.72	17.72	17.72	18.5	3	
20	QAM	150	0	17.75	17.75	17.75	17.75	17.75	18.5	3	
20	QAM	150	0	17.78	17.78	17.78	17.78	17.78	18.5	3	
20	QAM	150	0	17.81	17.81	17.81	17.81	17.81	18.5	3	
20	QAM	150	0	17.84	17.84	17.84	17.84	17.84	18.5	3	
20	QAM	150	0	17.87	17.87	17.87	17.87	17.87	18.5	3	
20	QAM	150	0	17.90	17.90	17.90	17.90	17.90	18.5	3	
20	QAM	150	0	17.93	17.93	17.93	17.93	17.93	18.5	3	
20	QAM	150	0	17.96	17.96	17.96	17.96	17.96	18.5	3	
20	QAM	150	0	17.99	17.99	17.99	17.99	17.99	18.5	3	
20	QAM	150	0	18.02	18.02	18.02	18.02	18.02	18.5	3	
20	QAM	150	0	18.05	18.05	18.05	18.05	18.05	18.5	3	
20	QAM	150	0	18.08	18.08	18.08	18.08	18.08	18.5	3	
20	QAM	150	0	18.11	18.11	18.11	18.11	18.11	18.5	3	
20	QAM	150	0	18.14	18.14	18.14	18.14	18.14	18.5	3	
20	QAM	150	0	18.17	18.17	18.17	18.17	18.17	18.5	3	
20	QAM	150	0	18.20	18.20	18.20	18.20	18.20	18.5	3	
20	QAM	150	0	18.23	18.23	18.23	18.23	18.23	18.5	3	
20	QAM	150	0	18.26	18.26	18.26	18.26	18.26	18.5	3	
20	QAM	150	0	18.29	18.29	18.29	18.29	18.29	18.5	3	
20	QAM	150	0	18.32	18.32	18.32	18.32	18.32	18.5	3	
20	QAM	150	0	18.35	18.35	18.35	18.35	18.35	18.5	3	
20	QAM	150	0	18.38	18.38	18.38	18.38	18.38	18.5	3	
20	QAM	150	0	18.41	18.41	18.41	18.41	18.41	18.5	3	
20	QAM	150	0	18.44	18.44	18.44	18.44	18.44	18.5	3	
20	QAM	150	0	18.47	18.47	18.47	18.47	18.47	18.5	3	
20	QAM	150	0	18.50	18.50	18.50	18.50	18.50	18.5	3	
20	QAM	150	0	18.53	18.53	18.53	18.53	18.53	18.5	3	
20	QAM	150	0	18.56	18.56	18.56	18.56	18.56	18.5	3	
20	QAM	150	0	18.59	18.59	18.59	18.59	18.59	18.5	3	
20	QAM	150	0	18.62	18.62	18.62	18.62	18.62	18.5	3	
20	QAM	150	0	18.65	18.65	18.65	18.65	18.65	18.5	3	
20	QAM	150	0	18.68	18.68	18.68	18.68	18.68	18.5	3	
20	QAM	150	0	18.71	18.71	18.71	18.71	18.71	18.5	3	
20	QAM	150	0	18.74	18.74	18.74	18.74	18.74	18.5	3	
20	QAM	150	0	18.77	18.77	18.77	18.77	18.77	18.5	3	
20	QAM	150	0	18.80	18.80	18.80	18.80	18.80	18.5	3	
20	QAM	150	0	18.83	18.83	18.83	18.83	18.83	18.5	3	
20	QAM	150	0	18.86	18.86	18.86	18.86	18.86	18.5	3	
20	QAM	150	0	18.89	18.89	18.89	18.89	18.89	18.5	3	
20											

FID	Polarization	Size	RB Offset	Channel				Time-step (ms)	MPC (dB)
				15000	16000	17000	18000		
Channel 1									
Frequency (MHz)									
20	QPSK	1	49	26.46	26.51	26.56	26.61	26	0
20	QPSK	1	69	26.35	26.38	26.41	26.45		
20	QPSK	1	89	26.23	26.27	26.31	26.35		
20	QPSK	50	24	25.55	25.64	25.73	25.82		
20	QPSK	50	50	25.47	25.48	25.49	25.50	25	1
20	QPSK	50	75	25.39	25.40	25.41	25.42		
20	QPSK	50	100	25.31	25.32	25.33	25.34		
20	QPSK	1	49	25.77	25.85	25.93	26.01		
20	QPSK	1	69	25.83	25.92	25.99	26.08	25	1
20	QPSK	1	89	25.89	25.97	26.05	26.13		
20	QPSK	50	24	25.54	25.64	25.74	25.84		
20	QPSK	50	50	25.48	25.49	25.50	25.51		
20	QPSK	50	75	25.40	25.41	25.42	25.43	23	3
20	QPSK	50	100	25.32	25.33	25.34	25.35		
20	QPSK	1	49	25.81	25.89	25.97	26.05		
20	QPSK	1	69	25.87	25.94	26.01	26.08		
20	QPSK	50	24	25.67	25.67	25.68	25.68	21	5
20	QPSK	50	50	25.59	25.60	25.61	25.62		
20	QPSK	50	75	25.50	25.51	25.52	25.53		
20	QPSK	50	100	25.42	25.43	25.44	25.45		
Channel 2									
Frequency (MHz)									
15	QPSK	1	47	26.33	26.40	26.47	26.54	26	0
15	QPSK	1	67	26.24	26.30	26.36	26.43		
15	QPSK	1	87	26.14	26.20	26.26	26.33		
15	QPSK	50	24	25.43	25.43	25.43	25.43		
15	QPSK	50	50	25.38	25.41	25.43	25.46	26	1
15	QPSK	50	75	25.33	25.37	25.41	25.45		
15	QPSK	50	100	25.28	25.31	25.34	25.37		
15	QPSK	1	47	26.31	26.41	26.51	26.61		
15	QPSK	1	67	26.26	26.37	26.48	26.59	26	1
15	QPSK	1	87	26.21	26.32	26.43	26.54		
15	QPSK	50	24	25.42	25.42	25.42	25.42		
15	QPSK	50	50	25.40	25.43	25.45	25.48		
15	QPSK	50	75	25.43	25.44	25.45	25.46	24	2
15	QPSK	50	100	25.35	25.36	25.37	25.38		
15	QPSK	1	47	26.21	26.28	26.35	26.42		
15	QPSK	1	67	26.27	26.35	26.43	26.51		
15	QPSK	1	87	26.22	26.30	26.38	26.46	24	2
15	QPSK	50	24	25.40	25.40	25.40	25.40		
15	QPSK	50	50	25.41	25.41	25.41	25.41		
15	QPSK	50	75	25.42	25.44	25.46	25.48		
15	QPSK	50	100	25.34	25.35	25.36	25.37	23	3
15	QPSK	1	47	26.18	26.28	26.38	26.48		
15	QPSK	1	67	26.14	26.24	26.34	26.44		
15	QPSK	1	87	26.09	26.19	26.29	26.39		
15	QPSK	1	27	16.88	16.91	16.95	16.98	21	5
15	QPSK	1	47	16.82	16.85	16.88	16.91		
15	QPSK	1	67	16.76	16.79	16.82	16.85		
15	QPSK	1	87	16.70	16.73	16.77	16.80		
15	QPSK	50	24	15.47	15.52	15.57	15.61	21	5
15	QPSK	50	50	15.45	15.48	15.51	15.54		
15	QPSK	50	75	15.42	15.45	15.48	15.51		
15	QPSK	50	100	15.34	15.35	15.36	15.37		
Channel 3									
Frequency (MHz)									
5	QPSK	1	0	24.28	24.28	24.28	24.28	26	0
5	QPSK	1	25	24.33	24.34	24.35	24.36		
5	QPSK	1	49	24.37	24.37	24.38	24.38		
5	QPSK	25	12	23.45	23.44	23.44	23.45		
5	QPSK	25	37	23.49	23.49	23.49	23.50	26	1
5	QPSK	25	62	23.53	23.53	23.53	23.54		
5	QPSK	50	0	23.41	23.42	23.42	23.43		
5	QPSK	1	0	23.79	23.82	23.85	23.88		
5	QPSK	1	25	23.82	23.82	23.82	23.82	25	1
5	QPSK	1	49	23.79	23.82	23.85	23.88		
5	QPSK	25	12	23.46	23.46	23.46	23.46		
5	QPSK	25	37	23.50	23.50	23.50	23.50		
5	QPSK	25	62	23.54	23.54	23.54	23.54	24	2
5	QPSK	50	0	23.40	23.40	23.40	23.40		
5	QPSK	50	25	23.42	23.42	23.42	23.42		
5	QPSK	1	0	23.77	23.80	23.83	23.86		
5	QPSK	1	25	23.81	23.81	23.81	23.81	23	3
5	QPSK	1	49	23.78	23.82	23.85	23.88		
5	QPSK	25	12	23.46	23.46	23.46	23.46		
5	QPSK	25	37	23.50	23.50	23.50	23.50		
5	QPSK	25	62	23.54	23.54	23.54	23.54	21	5
5	QPSK	50	0	23.38	23.38	23.38	23.38		
5	QPSK	50	25	23.40	23.40	23.40	23.40		
5	QPSK	1	0	23.75	23.83	23.91	23.97		
5	QPSK	1	25	23.88	23.88	23.88	23.88	21	5
5	QPSK	1	49	23.85	23.85	23.85	23.85		
5	QPSK	25	12	23.52	23.52	23.52	23.52		
5	QPSK	25	37	23.56	23.56	23.56	23.56		
5	QPSK	25	62	23.60	23.60	23.60	23.60	21	5
5	QPSK	50	0	23.35	23.35	23.35	23.35		
5	QPSK	50	25	23.37	23.37	23.37	23.37		
5	QPSK	1	0	23.72	23.80	23.88	23.96		
Channel 4									
Frequency (MHz)									
3	QPSK	1	0	24.28	24.28	24.28	24.28	26	0
3	QPSK	1	12	24.37	24.34	24.34	24.35		
3	QPSK	1	24	24.46	24.43	24.43	24.44		
3	QPSK	12	0	23.37	23.39	23.39	23.41		
3	QPSK	12	7	23.38	23.35	23.34	23.36	25	1
3	QPSK	12	14	23.39	23.36	23.35	23.37		
3	QPSK	25	0	23.31	23.30	23.30	23.31		
3	QPSK	1	0	23.64	23.65	23.64	23.65		
3	QPSK	1	12	23.70	23.70	23.70	23.70	25	1
3	QPSK	1	24	23.58	23.60	23.61	23.62		
3	QPSK	12	0	23.43	23.43	23.43	23.43		
3	QPSK	12	7	23.46	23.43	23.42	23.44		
3	QPSK	12	14	23.48	23.45	23.44	23.46	24	2
3	QPSK	25	0	23.33	23.32	23.31	23.31		
3	QPSK	25	7	23.35	23.33	23.32	23.33		
3	QPSK	25	14	23.36	23.33	23.32	23.33		
3	QPSK	1	0	23.67	23.68	23.67	23.68	24	2
3	QPSK	1	12	23.57	23.58	23.58	23.59		
3	QPSK	12	0	23.42	23.42	23.42	23.42		
3	QPSK	12	7	23.45	23.44	23.43	23.44		
3	QPSK	12	14	23.47	23.47	23.47	23.47	23	3
3	QPSK	25	0	23.37	23.37	23.37	23.37		
3	QPSK	25	7	23.39	23.38	23.37	23.38		
3	QPSK	25	14	23.40	23.39	23.38	23.39		
3	QPSK	1	0	23.68	23.68	23.68	23.67	21	5
3	QPSK	1	12	23.60	23.60	23.60	23.60		
3	QPSK	1	24	23.51	23.51	23.51	23.51		
3	QPSK	12	0	23.41	23.41	23.41	23.41		
3	QPSK	12	7	23.43	23.42	23.42	23.43	21	5
3	QPSK	12	14	23.45	23.44	23.44	23.45		
3	QPSK	25	0	23.34	23.34	23.34	23.34		
3	QPSK	25	7	23.36	23.35	23.35	23.36		
3	QPSK	25	14	23.37	23.37	23.37	23.37	21	5
3	QPSK	1	0	23.74	23.77	23.77	23.78		
3	QPSK	1	14	23.60	23.62	23.61	23.63		
3	QPSK	1	24	23.50	23.50	23.50	23.50		
3	QPSK	1	6	22.45	22.45	22.45	22.45	20	1
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45	20	1
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45	20	1
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45	20	1
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45	20	1
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45	20	1
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45	20	1
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45	20	1
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45	20	1
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45	20	1
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1	6	22.45	22.45	22.45	22.45		
3	QPSK	1							

SN (dB)	Modulation	Code Rate	RB Offset	Low SNR Channel	Medium SNR Channel	High SNR Channel	Throughput (Mbps)	Latency (μs)
Channel								
Frequency (MHz)								
10	QPSK	1	0	17.25	17.25	17.25		
20	QPSK	1	0	17.25	17.25	17.25		
30	QPSK	1	0	21.68	21.73	21.76	23	0
40	QPSK	1	0	26.24	26.33	26.36		
50	QPSK	1	0	30.92	31.03	31.06		
60	QPSK	1	0	35.72	35.86	35.92		
70	QPSK	1	0	40.64	40.82	40.92		
80	QPSK	1	0	45.68	45.90	46.08		
90	QPSK	1	0	50.92	51.18	51.48		
100	QPSK	1	0	56.36	56.68	57.04		
110	QPSK	1	0	61.96	62.32	62.72		
120	QPSK	1	0	67.72	68.12	68.56		
130	QPSK	1	0	73.64	74.08	74.56		
140	QPSK	1	0	79.72	80.20	80.72		
150	QPSK	1	0	85.96	86.48	87.04		
160	QPSK	1	0	92.36	92.92	93.52		
170	QPSK	1	0	98.92	99.52	100.16		
180	QPSK	1	0	105.64	106.32	107.04		
190	QPSK	1	0	112.52	113.28	114.08		
200	QPSK	1	0	119.56	120.40	121.28		
210	QPSK	1	0	126.76	127.68	128.64		
220	QPSK	1	0	134.12	135.12	136.16		
230	QPSK	1	0	141.64	142.72	143.84		
240	QPSK	1	0	149.32	150.48	151.68		
250	QPSK	1	0	157.16	158.40	159.68		
260	QPSK	1	0	165.16	166.48	167.76		
270	QPSK	1	0	173.32	174.72	176.16		
280	QPSK	1	0	181.64	183.12	184.64		
290	QPSK	1	0	190.12	191.68	193.28		
300	QPSK	1	0	198.76	200.40	202.16		
310	QPSK	1	0	207.56	209.28	211.12		
320	QPSK	1	0	216.52	218.32	220.32		
330	QPSK	1	0	225.64	227.52	229.52		
340	QPSK	1	0	234.92	235.68	237.44		
350	QPSK	1	0	244.36	245.92	247.52		
360	QPSK	1	0	253.96	255.36	256.88		
370	QPSK	1	0	263.72	265.04	266.56		
380	QPSK	1	0	273.64	274.96	276.32		
390	QPSK	1	0	283.72	284.96	286.08		
400	QPSK	1	0	293.96	295.04	296.08		
410	QPSK	1	0	304.36	305.36	306.32		
420	QPSK	1	0	314.92	315.84	316.72		
430	QPSK	1	0	325.64	326.48	327.36		
440	QPSK	1	0	336.52	337.28	338.08		
450	QPSK	1	0	347.56	348.24	348.96		
460	QPSK	1	0	358.76	359.36	360.00		
470	QPSK	1	0	369.12	370.64	372.16		
480	QPSK	1	0	379.64	381.12	382.64		
490	QPSK	1	0	390.32	391.76	393.20		
500	QPSK	1	0	401.16	402.56	404.00		
510	QPSK	1	0	412.16	413.52	414.88		
520	QPSK	1	0	423.32	424.64	425.96		
530	QPSK	1	0	434.64	435.92	437.20		
540	QPSK	1	0	446.12	447.36	448.56		
550	QPSK	1	0	457.76	458.96	460.08		
560	QPSK	1	0	469.52	470.72	472.00		
570	QPSK	1	0	481.36	482.56	484.00		
580	QPSK	1	0	493.36	494.56	496.00		
590	QPSK	1	0	505.52	506.72	508.00		
600	QPSK	1	0	517.84	519.04	520.32		
610	QPSK	1	0	530.32	531.52	532.80		
620	QPSK	1	0	542.96	544.16	545.44		
630	QPSK	1	0	555.76	556.96	558.08		
640	QPSK	1	0	568.72	569.92	570.88		
650	QPSK	1	0	581.84	583.04	584.00		
660	QPSK	1	0	595.12	596.32	597.28		
670	QPSK	1	0	608.56	609.76	610.72		
680	QPSK	1	0	622.16	623.36	624.32		
690	QPSK	1	0	635.92	637.12	638.08		
700	QPSK	1	0	649.84	651.04	652.00		
710	QPSK	1	0	663.92	665.12	666.08		
720	QPSK	1	0	678.16	679.36	680.32		
730	QPSK	1	0	692.56	693.76	694.72		
740	QPSK	1	0	707.12	708.32	709.28		
750	QPSK	1	0	721.84	723.04	724.00		
760	QPSK	1	0	736.72	737.92	738.88		
770	QPSK	1	0	751.76	752.96	753.92		
780	QPSK	1	0	766.96	768.16	769.12		
790	QPSK	1	0	782.32	783.52	784.48		
800	QPSK	1	0	797.84	799.04	800.00		
810	QPSK	1	0	813.52	814.72	815.68		
820	QPSK	1	0	829.36	830.56	831.52		
830	QPSK	1	0	845.36	846.56	847.44		
840	QPSK	1	0	861.52	862.72	863.68		
850	QPSK	1	0	877.84	879.04	880.00		
860	QPSK	1	0	894.32	895.52	896.48		
870	QPSK	1	0	910.96	912.16	913.12		
880	QPSK	1	0	927.76	928.96	929.92		
890	QPSK	1	0	944.72	945.92	946.88		
900	QPSK	1	0	961.84	963.04	964.00		
910	QPSK	1	0	979.12	980.32	981.28		
920	QPSK	1	0	996.56	997.76	998.72		
930	QPSK	1	0	1014.16	1015.36	1016.32		
940	QPSK	1	0	1031.92	1033.12	1034.08		
950	QPSK	1	0	1049.84	1051.04	1052.00		
960	QPSK	1	0	1067.92	1069.12	1070.08		
970	QPSK	1	0	1086.16	1087.36	1088.32		
980	QPSK	1	0	1104.56	1105.76	1106.72		
990	QPSK	1	0	1123.12	1124.32	1125.28		
1000	QPSK	1	0	1141.84	1143.04	1144.00		
Channel								
Frequency (MHz)								
10	QPSK	1	0	21.47	21.51	21.53		
20	QPSK	1	0	21.47	21.51	21.53		
30	QPSK	1	0	21.47	21.51	21.53	23	
40	QPSK	1	0	21.47	21.51	21.53		
50	QPSK	1	0	21.47	21.51	21.53		
60	QPSK	1	0	21.47	21.51	21.53		
70	QPSK	1	0	21.47	21.51	21.53		
80	QPSK	1	0	21.47	21.51	21.53		
90	QPSK	1	0	21.47	21.51	21.53		
100	QPSK	1	0	21.47	21.51	21.53		
110	QPSK	1	0	21.47	21.51	21.53		
120	QPSK	1	0	21.47	21.51	21.53		
130	QPSK	1	0	21.47	21.51	21.53		
140	QPSK	1	0	21.47	21.51	21.53		
150	QPSK	1	0	21.47	21.51	21.53		
160	QPSK	1	0	21.47	21.51	21.53		
170	QPSK	1	0	21.47	21.51	21.53		
180	QPSK	1	0	21.47	21.51	21.53		
190	QPSK	1	0	21.47	21.51	21.53		
200	QPSK	1	0	21.47	21.51	21.53		
210	QPSK	1	0	21.47	21.51	21.53		
220	QPSK	1	0	21.47	21.51	21.53		
230	QPSK	1	0	21.47	21.51	21.53		
240	QPSK	1	0	21.47	21.51	21.53		
250	QPSK	1	0	21.47	21.51	21.53		
260	QPSK	1	0	21.47	21.51	21.53		
270	QPSK	1	0	21.47	21.51	21.53		
280	QPSK	1	0	21.47	21.51	21.53		
290	QPSK	1	0	21.47	21.51	21.53		
300	QPSK	1	0	21.47	21.51	21.53		
310	QPSK	1	0	21.47	21.51	21.53		
320	QPSK	1	0	21.47	21.51	21.53		
330	QPSK	1	0	21.47	21.51	21.53		
340	QPSK	1	0	21.47	21.51	21.53		
350	QPSK	1	0	21.47	21.51	21.53		
360	QPSK	1	0	21.47	21.51	21.53		
370	QPSK	1	0	21.47	21.51	21.53		
380	QPSK	1	0	21.47	21.51	21.53		
390	QPSK	1	0	21.47	21.51	21.53		
400	QPSK	1	0	21.47	21.51	21.53		
410	QPSK	1	0	21.47	21.51	21.53		
420	QPSK	1	0	21.47	21.51	21.53		
430	QPSK	1	0	21.47	21.51	21.53		
440	QPSK	1	0	21.47	21.51	21.53		
450	QPSK	1	0	21.47	21.51	21.53		
460	QPSK	1	0	21.47	21.51	21.53		
470	QPSK	1	0	21.47	21.51	21.53		
480	QPSK	1	0	21.47	21.51	21.53		
490	QPSK	1	0	21.47	21.51	21.53		
500	QPSK	1	0	21.47	21.51	21.53		
510	QPSK	1	0	21.47	21.51	21.53		
520	QPSK	1	0	21.47	21.51	21.53		
530	QPSK	1	0	21.47	21.51	21.53		
540	QPSK	1	0	21.47	21.51	21.53		
550	QPSK	1	0	21.47	21.51	21.53		
560	QPSK	1	0	21.47	21.51	21.53		
570	QPSK	1	0	21.47	21.51	21.53		
580	QPSK	1	0	21.47	21.51	21.53		
590	QPSK	1	0	21.47	21.51	21.53		
600	QPSK	1	0	21.47	21.51	21.53		
610	QPSK	1	0	21.47	21.51	21.53		
620	QPSK	1	0	21.47	21.51	21.53		
630	QPSK	1	0	21.47	21.51	21.53		
640	QPSK	1	0	21.47	21.51	21.53		
650	QPSK	1	0	21.47	21.51	21.53		
660	QPSK	1	0	21.47	21.51	21.53		
670	QPSK	1	0	21.47	21.51	21.53		
680	QPSK	1	0	21.47	21.51	21.53		
690	QPSK	1	0	21.47	21.51	21.53		
700	QPSK	1	0	21.47	21.51	21.53		
710	QPSK	1	0	21.47	21.51	21.53		
720								

[illegible]



Band 5_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Level Ch./Freq.	Power Level Ch./Freq.	Time-use rate (dB)	MRB (dB)	MRB (dB)			
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.08	22.08	22.08	24.5	0				
10	QPSK	1	25	22.08	22.08	22.23						
10	QPSK	1	49	22.08	22.08	22.23						
10	QPSK	25	0	22.07	22.09	22.08	23.5	1				
10	QPSK	25	12	22.07	22.11	22.23						
10	QPSK	25	25	22.07	22.14	22.25						
10	QPSK	50	0	22.07	22.11	22.25	23.5	1				
10	QPSK	50	12	22.08	22.26	22.48						
10	QPSK	1	25	21.97	22.76	22.44						
10	QPSK	1	49	22.01	22.36	22.42	23.5	1				
10	QPSK	1	73	21.99	21.16	21.25						
10	QPSK	25	12	21.16	21.16	21.24						
10	QPSK	50	0	21.16	21.17	21.17	22.5	2				
10	QPSK	50	12	21.16	21.11	21.16						
10	QPSK	25	25	21.16	21.14	21.27						
10	QPSK	1	0	18.84	18.83	18.86	19.5	5				
10	QPSK	1	25	18.81	18.84	18.26						
10	QPSK	1	49	18.42	18.80	18.80						
10	QPSK	25	0	18.34	18.84	18.85	19.5	5				
10	QPSK	25	12	18.40	18.82	18.83						
10	QPSK	25	25	18.53	18.87	18.83						
10	QPSK	50	0	18.50	18.46	18.82	19.5	5				
10	QPSK	50	12	18.50	18.46	18.82						
10	QPSK	50	25	18.50	18.46	18.82						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.08	22.07	22.08	24.5	0				
5	QPSK	1	25	22.07	22.06	22.06						
5	QPSK	1	49	22.07	22.16	22.17						
5	QPSK	12	0	22.01	22.08	22.18	23.5	1				
5	QPSK	12	7	22.04	22.11	22.26						
5	QPSK	12	13	22.09	22.16	22.21						
5	QPSK	25	0	22.01	22.09	22.10	23.5	1				
5	QPSK	25	12	22.02	22.26	22.56						
5	QPSK	1	0	21.98	22.26	22.56						
5	QPSK	1	12	22.29	22.73	22.84	23.5	1				
5	QPSK	1	25	22.29	22.73	22.84						
5	QPSK	12	7	21.97	21.09	21.23						
5	QPSK	12	13	21.97	21.17	21.36	22.5	2				
5	QPSK	25	0	21.04	21.06	21.20						
5	QPSK	25	12	21.04	21.06	21.20						
5	QPSK	1	0	21.14	21.36	21.31	22.5	2				
5	QPSK	1	25	21.14	21.36	21.31						
5	QPSK	12	7	21.04	21.06	21.20						
5	QPSK	12	13	20.15	20.15	20.44	21.5	3				
5	QPSK	25	0	20.15	20.23	20.27						
5	QPSK	25	12	20.15	20.23	20.27						
5	QPSK	1	0	18.82	18.86	18.24	19.5	5				
5	QPSK	1	25	18.82	18.86	18.24						
5	QPSK	12	7	18.82	18.87	18.39						
5	QPSK	12	13	18.82	18.87	18.40	19.5	5				
5	QPSK	25	0	18.82	18.86	18.40						
5	QPSK	25	12	18.82	18.86	18.40						
5	QPSK	25	25	18.82	18.86	18.40						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.08	22.07	22.08	24.5	0				
3	QPSK	1	25	22.07	22.04	22.08						
3	QPSK	1	49	22.08	22.09	22.03						
3	QPSK	1	14	22.04	22.09	22.03	23.5	1				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	23.5	1				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	22.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	22.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	21.5	3				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	21.5	3				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3	QPSK	1	25	22.08	22.36	22.48						
3	QPSK	1	49	22.08	22.36	22.48						
3	QPSK	1	14	22.04	22.16	22.16	20.5	2				
3	QPSK	8	7	21.99	21.93	22.05						
3	QPSK	8	7	21.99	22.06	22.02						
3	QPSK	1	0	22.08	22.06	22.06	20.5	2				
3												



Band 12_Ant 0													
BW (MHz)	Modulation	PRB Size	PRB Offset	Power Lvl Ch./F.Freq.	Power Lvl Ch./F.Freq.	Power Lvl Ch./F.Freq.	Time-use (sec/100)	MFR (dB)					
Channel													
Frequency (MHz)				2305.5	2306.5	2310.5							
16	QPSK	1	0	24.03	24.07	24.13	26	0					
16	QPSK	1	26	24.10	24.21	24.28							
16	QPSK	1	48	24.19	24.26	24.36	25	1					
16	QPSK	25	0	23.16	23.17	23.23							
16	QPSK	25	12	23.17	23.16	23.18	25	1					
16	QPSK	25	25	23.26	23.29	23.30							
16	QPSK	50	0	23.25	23.28	23.30	25	1					
16	16QAM	1	0	23.36	23.39	23.43							
16	16QAM	1	25	23.38	23.34	23.63	24	2					
16	16QAM	1	48	23.71	23.70	23.70							
16	16QAM	25	0	22.29	22.29	22.29	24	2					
16	16QAM	25	12	22.29	22.31	22.31							
16	16QAM	25	25	22.28	22.30	22.40	24	2					
16	16QAM	50	0	22.28	22.28	22.30							
16	16QAM	1	0	22.30	22.32	22.42	24	2					
16	16QAM	1	25	22.44	22.47	22.50							
16	16QAM	1	48	22.50	22.56	22.59	23	3					
16	16QAM	25	12	21.37	21.37	21.38							
16	16QAM	25	25	21.28	21.30	21.38	23	3					
16	16QAM	50	0	21.29	21.29	21.36							
16	25QAM	1	0	19.24	19.41	19.66	21	5					
16	25QAM	1	25	19.63	19.53	19.61							
16	25QAM	1	48	19.42	19.48	19.27	21	5					
16	25QAM	25	0	19.28	19.28	19.30							
16	25QAM	25	12	19.28	19.40	19.38	21	5					
16	25QAM	25	25	19.38	19.44	19.48							
16	25QAM	50	0	19.63	19.53	19.61	20	5					
Channel													
Frequency (MHz)				2306.5	2306.5	2310.5			Time-use (sec/100)	MFR (dB)			
6	QPSK	1	0	24.15	24.13	24.28	26	0					
6	QPSK	1	12	24.24	24.27	24.30							
6	QPSK	1	24	24.29	24.23	24.30	25	1					
6	QPSK	12	0	23.16	23.18	23.28							
6	QPSK	12	7	23.28	23.27	23.38	25	1					
6	QPSK	12	13	23.22	23.24	23.35							
6	QPSK	25	0	23.22	23.24	23.36	25	1					
6	16QAM	1	0	23.48	23.48	23.63							
6	16QAM	1	12	23.69	23.63	23.74	24	2					
6	16QAM	1	24	23.70	23.65	23.68							
6	16QAM	12	0	22.32	22.31	22.33	23	3					
6	16QAM	12	7	22.31	22.32	22.45							
6	16QAM	12	13	22.28	22.29	22.41	24	2					
6	16QAM	25	0	22.28	22.27	22.37							
6	16QAM	1	0	22.37	22.44	22.60	24	2					
6	16QAM	1	12	22.48	22.47	22.60							
6	16QAM	1	24	22.41	22.44	22.50	23	3					
6	16QAM	12	0	21.19	21.23	21.35							
6	16QAM	12	7	21.28	21.27	21.41	21	5					
6	16QAM	12	13	21.24	21.29	21.40							
6	16QAM	25	0	21.26	21.26	21.37	21	5					
6	16QAM	1	0	19.42	19.42	19.45							
6	25QAM	1	12	19.62	19.62	19.55	21	5					
6	25QAM	1	24	19.47	19.48	19.29							
6	25QAM	12	0	19.46	19.46	19.36	21	5					
6	25QAM	12	7	19.40	19.17	19.27							
6	25QAM	12	13	19.38	19.47	19.44	20	5					
6	25QAM	25	0	19.62	19.55	19.67							
Channel													
Frequency (MHz)				2306.5	2306.5	2310.5	Time-use (sec/100)	MFR (dB)					
3	QPSK	1	0	24.15	24.16	24.28	26	0					
3	QPSK	1	8	24.22	24.25	24.35							
3	QPSK	1	14	24.09	24.12	24.25	25	1					
3	QPSK	8	0	23.28	23.27	23.38							
3	QPSK	8	4	23.24	23.28	23.42	25	1					
3	QPSK	8	7	23.20	23.23	23.38							
3	16QAM	1	0	23.48	23.48	23.68	25	1					
3	16QAM	1	8	23.59	23.64	23.78							
3	16QAM	1	14	23.40	23.45	23.51	24	2					
3	16QAM	8	0	22.33	22.30	22.41							
3	16QAM	8	4	22.34	22.37	22.48	23	3					
3	16QAM	8	7	22.30	22.32	22.48							
3	16QAM	15	0	22.28	22.28	22.33	24	2					
3	16QAM	1	0	22.43	22.42	22.61							
3	16QAM	1	8	22.44	22.51	22.62	24	2					
3	16QAM	1	14	22.39	22.43	22.55							
3	16QAM	8	0	21.27	21.24	21.39	21	5					
3	16QAM	8	4	21.25	21.26	21.42							
3	16QAM	8	7	21.22	21.27	21.42	24	2					
3	16QAM	15	0	21.26	21.26	21.33							
3	25QAM	1	0	19.28	19.36	19.55	21	5					
3	25QAM	1	8	19.48	19.41	19.66							
3	25QAM	1	14	19.31	19.28	19.38	21	5					
3	25QAM	8	0	19.46	19.35	19.57							
3	25QAM	8	4	19.34	19.31	19.39	21	5					
3	25QAM	8	7	19.21	19.34	19.52							
3	25QAM	15	0	19.24	19.15	19.55	21	5					
3	25QAM	1	0	19.62	19.57	19.59							
Channel													
Frequency (MHz)				2307.5	2308.5	2312.5	Time-use (sec/100)	MFR (dB)					
1.4	QPSK	1	0	24.17	24.16	24.31	26	0					
1.4	QPSK	1	3	24.19	24.20	24.35							
1.4	QPSK	1	5	24.12	24.15	24.30	25	1					
1.4	QPSK	3	0	24.23	24.23	24.30							
1.4	QPSK	3	1	24.22	24.20	24.28	28	1					
1.4	QPSK	3	3	24.19	24.22	24.35							
1.4	QPSK	8	0	23.18	23.20	23.27	25	1					
1.4	16QAM	1	0	23.57	23.53	23.74							
1.4	16QAM	1	3	23.63	23.57	23.78	25	1					
1.4	16QAM	1	5	23.61	23.56	23.68							
1.4	16QAM	3	0	23.38	23.46	23.51	24	2					
1.4	16QAM	3	1	23.40	23.38	23.54							
1.4	16QAM	3	3	23.33	23.38	23.51	24	2					
1.4	16QAM	6	0	22.36	22.27	22.37	24	2					
1.4	16QAM	1	0	22.42	22.34	22.58							
1.4	16QAM	1	3	22.41	22.42	22.58	24	2					
1.4	16QAM	1	5	22.41	22.42	22.58							
1.4	16QAM	3	0	22.41	22.42	22.58	24	2					
1.4	16QAM	3	1	22.42	22.37	22.48							
1.4	16QAM	3	3	22.39	22.39	22.50	23	3					
1.4	16QAM	6	0	21.33	21.24	21.38							
1.4	16QAM	6	4	21.32	21.34	21.48	23	3					
1.4	16QAM	6	7	21.29	21.34	21.48							
1.4	25QAM	1	3	19.86	19.57	19.59	21	5					
1.4	25QAM	1	5	19.84	19.61	19.62							
1.4	25QAM	3	0	19.54	19.20	19.21	21	5					
1.4	25QAM	3	1	19.52	19.28	19.43							
1.4	25QAM	3	3	19.47	19.28	19.43	21	5					
1.4	25QAM	6	0	19.22	19.25	19.21							



Band 17_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power Pwr. Ch./Freq.	Time-use rate (dB)	MRP (dB)	
Channel									
Frequency (MHz)									
18	QPSK	1	0	24.07	24.10	24.10			
18	QPSK	1	20	24.20	24.22	24.22			
18	QPSK	1	40	24.28	24.30	24.32			
18	QPSK	25	0	23.21	23.21	23.28			
18	QPSK	25	12	23.00	23.01	23.03			
18	QPSK	25	25	23.27	23.29	23.32			
18	QPSK	50	0	23.28	23.22	23.30			
18	QPSK	1	0	23.00	23.00	23.00			
18	QPSK	1	20	23.05	23.06	23.07			
18	QPSK	1	40	23.71	23.71	23.75			
18	QPSK	25	0	22.92	22.92	22.98			
18	QPSK	25	12	22.30	22.28	22.33			
18	QPSK	25	25	22.31	22.33	22.36			
18	QPSK	50	0	22.32	22.24	22.27			
18	QPSK	1	0	22.31	22.31	22.41			
18	QPSK	1	20	22.46	22.47	22.51			
18	QPSK	1	40	22.54	22.49	22.52			
18	QPSK	25	0	21.39	21.24	21.27			
18	QPSK	25	12	21.34	21.28	21.32			
18	QPSK	25	25	21.30	21.29	21.35			
18	QPSK	50	0	21.30	21.23	21.27			
18	QPSK	1	0	19.47	19.36	19.41			
18	QPSK	1	20	19.50	19.52	19.53			
18	QPSK	1	40	19.47	19.42	19.51			
18	QPSK	25	0	19.31	19.35	19.39			
18	QPSK	25	12	19.44	19.48	19.42			
18	QPSK	25	25	19.31	19.51	19.54			
18	QPSK	50	0	19.39	19.38	19.30			
Channel									
Frequency (MHz)									
6	QPSK	1	0	24.10	24.24	24.30			
6	QPSK	1	12	24.20	24.29	24.31			
6	QPSK	1	24	24.10	24.19	24.28			
6	QPSK	12	0	23.20	23.27	23.34			
6	QPSK	12	7	23.03	23.29	23.39			
6	QPSK	12	13	23.19	23.27	23.31			
6	QPSK	25	0	23.23	23.22	23.27			
6	QPSK	1	0	23.00	23.00	23.09			
6	QPSK	1	12	23.01	23.05	23.07			
6	QPSK	1	24	23.42	23.37	23.59			
6	QPSK	12	7	22.24	22.33	22.39			
6	QPSK	12	13	22.28	22.31	22.36			
6	QPSK	25	0	22.25	22.25	22.30			
6	QPSK	1	0	22.49	22.55	22.61			
6	QPSK	1	12	22.47	22.53	22.59			
6	QPSK	12	0	21.26	21.31	21.37			
6	QPSK	12	7	21.28	21.36	21.52			
6	QPSK	12	13	21.15	21.31	21.37			
6	QPSK	25	0	21.26	21.29	21.31			
6	QPSK	1	0	19.48	19.14	19.66			
6	QPSK	1	12	19.09	19.03	19.14			
6	QPSK	1	24	19.44	19.41	19.53			
6	QPSK	12	0	19.39	19.21	19.31			
6	QPSK	12	7	19.23	19.30	19.39			
6	QPSK	12	13	19.40	19.05	19.41			
6	QPSK	25	0	19.11	19.16	19.18			

Band 17_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power Pwr. Ch./Freq.	Time-use rate (dB)	MRP (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.07	24.10	24.10			
10	QPSK	1	20	24.20	24.22	24.22			
10	QPSK	1	40	24.28	24.30	24.32			
10	QPSK	25	0	23.21	23.21	23.28			
10	QPSK	25	12	23.00	23.01	23.03			
10	QPSK	25	25	23.27	23.29	23.32			
10	QPSK	50	0	23.28	23.22	23.30			
10	QPSK	1	0	23.00	23.00	23.00			
10	QPSK	1	20	23.05	23.06	23.07			
10	QPSK	1	40	23.71	23.71	23.75			
10	QPSK	25	0	22.92	22.92	22.98			
10	QPSK	25	12	22.30	22.28	22.33			
10	QPSK	25	25	22.31	22.33	22.36			
10	QPSK	50	0	22.32	22.24	22.27			
10	QPSK	1	0	22.31	22.31	22.41			
10	QPSK	1	20	22.46	22.47	22.51			
10	QPSK	1	40	22.54	22.49	22.52			
10	QPSK	25	0	21.39	21.24	21.27			
10	QPSK	25	12	21.34	21.28	21.32			
10	QPSK	25	25	21.29	21.29	21.35			
10	QPSK	50	0	21.30	21.23	21.27			
10	QPSK	1	0	19.47	19.36	19.41			
10	QPSK	1	20	19.50	19.52	19.53			
10	QPSK	1	40	19.47	19.42	19.51			
10	QPSK	25	0	19.31	19.35	19.39			
10	QPSK	25	12	19.44	19.48	19.42			
10	QPSK	25	25	19.31	19.51	19.54			
10	QPSK	50	0	19.19	19.18	19.10			
Channel									
Frequency (MHz)									
6	QPSK	1	0	24.10	24.24	24.30			
6	QPSK	1	12	24.20	24.29	24.31			
6	QPSK	1	24	24.10	24.19	24.28			
6	QPSK	12	0	23.20	23.27	23.34			
6	QPSK	12	7	23.03	23.29	23.39			
6	QPSK	12	13	23.19	23.27	23.31			
6	QPSK	25	0	23.23	23.22	23.27			
6	QPSK	1	0	23.00	23.00	23.09			
6	QPSK	1	12	23.01	23.05	23.07			
6	QPSK	1	24	23.42	23.37	23.59			
6	QPSK	12	7	22.24	22.33	22.39			
6	QPSK	12	13	22.28	22.31	22.36			
6	QPSK	25	0	22.25	22.25	22.30			
6	QPSK	1	0	22.49	22.55	22.61			
6	QPSK	1	12	22.47	22.53	22.59			
6	QPSK	12	0	21.26	21.31	21.37			
6	QPSK	12	7	21.28	21.36	21.52			
6	QPSK	12	13	21.15	21.31	21.37			
6	QPSK	25	0	21.26	21.29	21.31			
6	QPSK	1	0	19.48	19.14	19.66			
6	QPSK	1	12	19.09	19.03	19.14			
6	QPSK	1	24	19.44	19.41	19.53			
6	QPSK	12	0	19.39	19.21	19.31			
6	QPSK	12	7	19.23	19.30	19.39			
6	QPSK	12	13	19.40	19.05	19.41			
6	QPSK	25	0	19.11	19.16	19.18			

Band 25_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power Pwr. Ch./Freq.	Time-use rate (dB)	MRP (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	20.03	19.92	20.00			
20	QPSK	1	40	19.91	19.94	19.92			21.5
20	QPSK	1	80	19.77	19.87	19.77			
20	QPSK	50	0	19.02	18.99	18.98			
20	QPSK	50	24	19.02	19.03	19.02			20.5
20	QPSK	50	48	19.02	18.99	18.99			
20	QPSK	100	0	19.03	19.03	19.03			
20	QPSK	1	0	19.46	19.41	19.44			20.5
20	QPSK	1	40	19.31	19.18	19.14			
20	QPSK	1	99	19.04	19.03	19.07			
20	QPSK	100	0	19.04	17.99	19.10			
20	QPSK	50	24	19.10	19.04	19.05			
20	QPSK	1	0	19.42	19.07	19.06			19.5
20	QPSK	1	40	19.20	19.27	19.30			
20	QPSK	1	99	19.11	17.75	19.00			
20	QPSK	50	0	17.05	17.05	16.99			
20	QPSK	50	24	17.06	17.07	17.03			19.5
20	QPSK	50	50	17.06	17.05	17.10			
20	QPSK	100	0	17.06	16.96	17.00			
20	QPSK	1	0	16.96	16.96	16.97			
20	QPSK	1	40	16.94	16.96	16.91			
20	QPSK	1	99	16.92	16.93	16.98			
20	QPSK	50	0	16.93	16.93	16.96			
20	QPSK	50	24	16.93	16.93	16.96			
20	QPSK	50	50	16.94	16.93	16.98			
20	QPSK	100	0	16.94	16.93	16.98			
20	QPSK	1	0	16.93	16.93	16.96			
20	QPSK	1	40	16.92	16.93	16.98			
20	QPSK	1	99	16.92	16.93	16.98			
20	QPSK	50	0	16.93	16.93	16.96			
20	QPSK	50	24	16.93	16.93	16.96			
20	QPSK	50	50	16.94	16.93	16.98			
20	QPSK	100	0	16.94	16.93	16.98			
Channel									
Frequency (MHz)									
16	QPSK	1	0	20.04	19.97	20.00			21.5
16	QPSK	1	20	19.93	19.90	19.91			
16	QPSK	1	74	19.78	19.79	19.77			
16	QPSK	50	0	18.97	19.09	19.02			20.5
16	QPSK	50	24	19.03	19.03	19.03			
16	QPSK	50	48	19.04	19.03	19.03			
16	QPSK	75	0	18.95	18.96	19.13			
16	QPSK	75	24	19.07	19.03	19.03			
16	QPSK	100	0	19.07	19.07	19.07			20.5
16	QPSK	1	0	19.44	19.43	19.43			
16	QPSK	1	74	19.42	19.39	19.21			
16	QPSK	50	0	18.96	18.97	18.96			
16	QPSK	50	20	18.95	18.95	18.95			19.5
16	QPSK	50	40	18.97	18.98	18.97			
16	QPSK	50	60	18.93	18.94	18.98			
16	QPSK	100	0	18.96	18.96	18.96			
Channel									
Frequency (MHz)									
16	QPSK	1	0	20.04	19.97	20.00			21.5
16	QPSK	1	20	19.93	19.90	19.91			
16	QPSK	1	74	19.78	19.79	19.77			
16	QPSK	50	0	18.97	19.09	19.02			20.5
16	QPSK	50	24	19.03	19.03	19.03			
16	QPSK	50	48	19.04	19.03	19.03			
16	QPSK	75	0	18.95	18.96	19.13			
16	QPSK	75	24	19.07	19.03	19.03			
16	QPSK	100	0	19.07	19.07	19.07			20.5
16	QPSK	1	0	19.44	19.43	19.43			
16	QPSK	1	74	19.42	19.39	19.21			
16	QPSK	50	0	18.96	18.97	18.96			
16	QPSK	50	20	18.95	18.95	18.95			19.5
16	QPSK	50	40	18.97	18.98	18.97			
16	QPSK	50	60	18.93	18.94	18.98			
16	QPSK	100	0	18.96	18.96	18.96			
Channel									
Frequency (MHz)									
16	QPSK	1	0	20.04	19.97	20.00			21.5
16	QPSK	1	20	19.93	19.90	19.91			
16	QPSK	1	74	19.78	19.79	19.77			
16	QPSK	50	0	18.97	19.09	19.02			20.5
16	QPSK	50	24	19.03	19.03	19.03			
16	QPSK	50	48	19.04	19.03	19.03			
16	QPSK	75	0	18.95	18.96	19.13			
16	QPSK	75	24	19.07	19.03	19.03			
16	QPSK	100	0	19.07	19.07	19.07			20.5
16	QPSK	1	0	19.44	19.43	19.43			
16	QPSK	1	74	19.42	19.39	19.21			
16	QPSK	50	0	18.96	18.97	18.96			
16	QPSK	50	20	18.95	18.95	18.95			19.5
16	QPSK	50	40	18.97	18.98	18.97			
16	QPSK	50	60	18.93	18.94	18.98			
16	QPSK	100	0	18.96	18.96	18.96			
Channel									
Frequency (MHz)									
16	QPSK	1	0	20.04	19.97	20.00			21.5
16	QPSK	1	20	19.93	19.90	19.91			
16	QPSK	1	74	19.78	19.79	19.77			
16	QPSK	50	0	18.97	19.09	19.02			20.5
16	QPSK	50	24	19.03	19.03	19.03			
16	QPSK	50	48	19.04	19.03	19.03			
16	QPSK	75	0	18.95	18.96	19.13			
16	QPSK	75	24	19.07	19.03	19.03			
16	QPSK	100	0	19.07	19.07	19.07			20.5
16	QPSK	1	0	19.44	19.43	19.43			
16	QPSK	1	74	19.42	19.39	19.21			
16	QPSK	50	0	18.96	18.97	18.96			
16	QPSK	50	20	18.95	18.95	18.95			19.5
16	QPSK	50	40	18.97	18.98	18.97			
16	QPSK	50	60	18.93	18.94	18.98			
16	QPSK	100	0	18.96	18.96	18.96			
Channel									
Frequency (MHz)									
16	QPSK	1	0	20.04	19.97	20.00			21.5
16	QPSK	1	20	19.93	19.90	19.91			
16	QPSK	1	74	19.78	19.79	19.77			
16	QPSK	50	0	18.97	19.09	19.02			20.5
16	QPSK	50	24	19.03	19.03	19.03			
16	QPSK	50	48	19.04	19.03	19.03			
16	QPSK	75	0	18.95	18.96	19.13			
16	QPSK	75	24	19.07	19.03	19.03			
16	QPSK	100	0	19.07	19.07	19.07			20.5
16	QPSK	1	0	19.44	19.43	19.43			
16	QPSK	1	74	19.42	19.39	19.21			
16	QPSK	50	0	18.96	18.97	18.96			
16	QPSK	50	20	18.95	18.95	18.95			19.5
16	QPSK	50	40	18.97	18.98	18.97			
16	QPSK	50	60	18.93	18.94	18.98			
16	QPSK	100	0	18.96	18.96	18.96			
Channel									
Frequency (MHz)									
16	QPSK	1	0	20.04	19.97	20.00			21.5
16	QPSK	1	20	19.93	19.90	19.91			
16	QPSK	1	74	19.78	19.79	19.77			
16	QPSK	50	0	18.97	19.09	19.02			20.5
16	QPSK	50	24	19.03	19.03	19.03			
16	QPSK	50	48	19.04	19.03	19.03			
16	QPSK	75	0	18.95	18.96	19.13			
16	QPSK	75	24	19.07	19.03	19.03			
16	QPSK	100	0	19.07	19.07	19.07			20.5
16	QPSK	1	0	19.44	19.43	19.43			
16	QPSK	1	74	19.42	19.39	19.21			
16	QPSK	50	0	18.96	18.97	18.96			
16	QPSK	50	20	18.95	18.95	18.95			19.5
16	QPSK	50	40	18.97	18.98	18.97			
16	QPSK	50	60	18.93	18.94	18.98			
16	QPSK	100	0	18.96	18.96	18.96			
Channel									
Frequency (MHz)									
16	QPSK	1	0	20.04	19.97	20.00			21.5
16	QPSK	1	20	19.93	19.90	19.91			
16	QPSK	1	74	19.78	19.79	19.77			
16	QPSK	50	0	18.97	19.09	19.02			20.5
16	QPSK	50	24	19.03	19.03	19.03			
16	QPSK	50	48	19.04	19.03	19.03			
16	QPSK	75	0	18.95	18.96	19.13			
16	QPSK	75	24	19.07	19.03	19.03			
16	QPSK	100	0	19.07	19.07	19.07			20.5
16	QPSK	1	0	19.44	19.43	19.43			
16	QPSK	1	74	19.42	19.39	19.21			
16	QPSK	50	0	18.96	18.97	18.96			
16	QPSK	50	20	18.95	18.95	18.95			19.5
16	QPSK	50	40	18.97	18.98	18.97			
16	QPSK	50	60	18.93	18.94	18.98			
16	QPSK	100	0	18.96	18.96	18.96			
Channel									
Frequency (MHz)									
16	QPSK	1	0	20.04	19.97	20.00			21.5
16	QPSK	1	20	19.93	19.90	19.91			
16	QPSK	1	74	19.78	19.79	19.77			
16	QPSK	50	0	18.97	19.09	19.02			20.5
16	QPSK	50	24	19.03	19.03	19.03			
16	QPSK	50	48	19.04	19.03	19.03			
16	QPSK	75	0	18.95	18.96	19.13			
16	QPSK	75	24	19.07	19.03	19.03			
16	QPSK	100	0	19.07	19.07	19.07			20.5
16	QPSK	1	0	19.44	19.43	19.43			
16	QPSK	1	74	19.42	19.39	19.21			
16	QPSK	50	0	18.96	18.97	18.96			
16	QPSK	50	20	18.95	18.95	18.95			19.5
16	QPSK	50	40	18.97	18.98	1			

Band 26_Ant 0										
RF (MHz)	Modulation	TBW (Hz)	RF Offset (MHz)	Power (dBm) Ch 1 (Frac)	Power (dBm) Ch 2 (Frac)	Power (dBm) Ch 3 (Frac)	Time-step (dB)	Time-step (dB)	MFR (dB)	
Channel										
Frequency (MHz)										
16	QPSK	1	0	22.80	23.00	23.00				
16	QPSK	1	37	23.00	23.14	23.24				
16	QPSK	36	0	21.92	22.02	22.02		24.5	0	
16	QPSK	36	37	22.08	22.18	22.28				
16	QPSK	36	75	0	22.07	22.16	22.25		23.5	1
16	QPSK	1	0	22.17	21.89	21.65		23.5	1	
16	QPSK	1	37	22.17	21.89	21.65				
16	QPSK	1	74	22.75	22.38	22.48				
16	QPSK	36	0	20.85	20.87	21.14				
16	QPSK	36	37	21.09	21.08	21.21		22.5	1	
16	QPSK	36	75	0	21.04	21.10	21.16			
16	QPSK	1	37	21.04	21.10	21.16				
16	QPSK	1	74	21.37	21.28	21.39		22.5	2	
16	QPSK	36	25	20.79	20.71	20.32		21.5	3	
16	QPSK	36	75	0	18.96	18.33	18.25		19.5	5
16	QPSK	1	37	18.41	18.43	17.85				
16	QPSK	1	74	18.41	18.43	17.85				
16	QPSK	36	0	18.30	18.10	18.08				
16	QPSK	36	25	18.47	18.16	18.19		19.5	5	
16	QPSK	36	75	0	18.11	18.02	18.15			
Channel										
Frequency (MHz)										
16	QPSK	1	0	22.83	23.08	23.04				
16	QPSK	1	26	22.80	23.04	23.04		24.5	0	
16	QPSK	1	49	22.82	23.13	23.20				
16	QPSK	25	26	21.92	22.08	22.04		23.5	1	
16	QPSK	25	12	21.95	22.02	22.27				
16	QPSK	25	49	21.95	22.08	22.27		23.5	1	
16	QPSK	50	0	21.92	22.08	22.31				
16	QPSK	1	0	21.39	22.38	22.44				
16	QPSK	1	49	22.25	22.14	22.72		23.5	1	
16	QPSK	25	0	20.51	21.15	21.27				
16	QPSK	25	49	20.51	21.15	21.27		22.5	2	
16	QPSK	25	26	21.07	21.15	21.24				
16	QPSK	50	0	21.06	21.11	21.22				
16	QPSK	1	26	21.09	21.33	21.35		22.5	2	
16	QPSK	1	49	21.56	21.14	21.46				
16	QPSK	25	12	20.11	20.13	20.13		21.5	3	
16	QPSK	25	26	20.57	20.11	20.24				
16	QPSK	25	49	20.57	20.11	20.24				
16	QPSK	1	0	17.35	18.08	18.05				
16	QPSK	1	26	18.16	18.28	18.13		19.5	5	
16	QPSK	1	49	18.16	18.28	18.13				
16	QPSK	25	0	18.18	18.25	17.85				
16	QPSK	25	12	18.30	18.08	18.38		19.5	5	
16	QPSK	25	49	18.30	18.08	18.38				
16	QPSK	50	0	18.02	18.00	18.00				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.87	23.05	23.18				
5	QPSK	1	14	23.09	23.20	23.31		24.5	0	
5	QPSK	1	26	23.05	23.28	23.17				
5	QPSK	1	49	23.12	23.38	23.40		23.5	1	
5	QPSK	12	7	22.02	22.05	22.32				
5	QPSK	12	19	21.96	22.05	22.18		23.5	1	
5	QPSK	1	0	21.89	22.07	22.24				
5	QPSK	1	0	21.89	22.41	22.55		23.5	1	
5	QPSK	1	14	22.34	22.28	22.88				
5	QPSK	1	26	22.34	22.38	22.44		22.5	2	
5	QPSK	12	0	20.89	21.14	21.23				
5	QPSK	1	14	21.11	21.02	21.13		22.5	2	
5	QPSK	1	26	21.11	21.33	21.35				
5	QPSK	1	49	21.01	21.18	21.38		22.5	2	
5	QPSK	12	0	20.56	20.59	21.83				
5	QPSK	12	0	20.56	20.59	21.83		22.5	2	
5	QPSK	1	24	21.58	21.18	21.40				
5	QPSK	1	24	21.58	21.18	21.40		21.5	3	
5	QPSK	12	0	20.59	20.59	20.54				
5	QPSK	12	0	20.59	20.59	20.54				
5	QPSK	12	26	20.14	20.04	20.19		19.5	5	
5	QPSK	1	14	20.21	20.28	20.18				
5	QPSK	12	7	18.21	18.24	18.08				
5	QPSK	12	19	18.21	18.24	18.08		19.5	5	
5	QPSK	1	14	17.36	18.21	18.12				
5	QPSK	12	7	18.32	18.32	18.30		19.5	5	
5	QPSK	12	19	18.32	18.32	18.30				
5	QPSK	25	0	18.02	18.00	18.00				
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.97	23.22	23.27				
3	QPSK	1	8	22.36	23.07	23.14		24.5	0	
3	QPSK	1	14	22.36	23.20	23.25				
3	QPSK	1	26	22.51	23.28	23.31		23.5	1	
3	QPSK	8	4	21.97	22.03	22.25				
3	QPSK	8	7	22.00	22.27	22.21		23.5	1	
3	QPSK	1	19	21.78	22.21	22.49				
3	QPSK	1	0	21.83	22.33	22.58		23.5	1	
3	QPSK	8	4	22.36	22.23	22.74				
3	QPSK	8	7	22.48	22.35	22.87		22.5	2	
3	QPSK	8	0	20.80	21.30	21.27				
3	QPSK	8	4	20.81	20.86	21.18		22.5	2	
3	QPSK	8	7	21.24	21.24	21.43				
3	QPSK	16	0	21.08	21.27	21.18				
3	QPSK	1	0	21.08	21.27	21.18		22.5	2	
3	QPSK	8	0	20.50	20.52	20.18				
3	QPSK	8	4	20.50	20.52	20.18		21.5	3	
3	QPSK	8	7	20.15	20.13	20.43				
3	QPSK	16	0	20.20	20.17	20.29				
3	QPSK	16	4	20.20	20.17	20.29		19.5	5	
3	QPSK	1	14	18.29	18.21	17.87				
3	QPSK	1	14	18.34	18.49	18.32				
3	QPSK	1	26	18.34	18.49	18.32		19.5	5	
3	QPSK	8	4	18.40	18.31	18.22				
3	QPSK	8	7	18.32	18.22	18.11		19.5	5	
3	QPSK	16	0	18.00	18.00	17.88				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.97	23.15	23.14				
1.4	QPSK	1	3	22.77	23.00	23.13		24.5	0	
1.4	QPSK	1	5	22.73	22.89	23.13				
1.4	QPSK	1	7	22.97	23.07	23.20		23.5	1	
1.4	QPSK	3	1	22.87	23.01	23.19				
1.4	QPSK	3	3	22.75	23.10	23.12		23.5	1	
1.4	QPSK	1	0	22.18	22.29	22.50				
1.4	QPSK	3	0	22.25	22.28	22.42		23.5	1	
1.4	QPSK	1	1	21.71	22.14	22.21				
1.4	QPSK	3	0	21.71	22.14	22.21		23.5	1	
1.4	QPSK	0	0	20.97	21.31	21.29		22.5	2	
1.4	QPSK	1	5	21.83	21.18	21.61				
1.4	QPSK	3	0	21.86	20.85	21.31		22.5	2	
1.4	QPSK	3	3	21.86	21.18	21.61				
1.4	QPSK	3	1	21.13	21.33	21.34		21.5	3	
1.4	QPSK	0	0	19.53	20.14	20.28				
1.4	QPSK	3	0	19.53	20.14	20.28		19.5	5	
1.4	QPSK	1	3	18.26	18.43	18.12				
1.4	QPSK	1	5	18.16	18.21	18.16		19.5	5	
1.4	QPSK	1	7	18.07	18.17	18.17				
1.4	QPSK	3	1	18.37	18.34	17.17				
1.4	QPSK	3	3	17.90	18.19	18.12		19.5	5	

[illegible]

Band 30_Ant 1									
RF B/W	Modulation	Ref. Sig.	Ref. Offset	Power Ch./Power Ch./Power	Power Ch./Power Ch./Power	Power Ch./Power Ch./Power	Turnup Time	MPR (dB)	
Channel				27115					
Frequency (MHz)									
IS	QPSK	1	0	24.18	24.18	24.18			
IS	QPSK	1	25	23.77	23.77	23.77	25	0	
IS	QPSK	1	50	23.37	23.37	23.37			
IS	QPSK	25	0	23.04	23.04	23.04			
IS	QPSK	25	12	23.00	23.00	23.00		24	
IS	QPSK	25	25	22.57	22.57	22.57			
IS	QPSK	50	0	22.15	22.15	22.15			
IS	QPSK	1	0	21.84	21.84	21.84			
IS	QPSK	1	25	21.37	21.37	21.37	24	1	
IS	QPSK	1	50	20.97	20.97	20.97			
IS	QPSK	25	0	20.70	20.70	20.70			
IS	QPSK	25	12	20.60	20.60	20.60		23	
IS	QPSK	25	25	20.28	20.28	20.28			
IS	QPSK	50	0	20.28	20.28	20.28			
IS	QPSK	1	0	19.94	19.94	19.94			
IS	QPSK	1	25	19.53	19.53	19.53	23	2	
IS	QPSK	1	50	19.07	19.07	19.07			
IS	QPSK	25	0	18.72	18.72	18.72		20	
IS	QPSK	25	12	18.62	18.62	18.62			
IS	QPSK	25	25	18.32	18.32	18.32			
IS	QPSK	50	0	17.92	17.92	17.92			
Channel									
				27185	27171	27175	Turnup Time	MPR (dB)	
Frequency (MHz)									
S	QPSK	1	0	24.82	24.41	24.45			
S	QPSK	1	12	24.64	24.25	24.28			
S	QPSK	1	24	24.18	24.02	24.12	25	0	
S	QPSK	1	50	23.74	23.38	23.38			
S	QPSK	12	7	23.52	23.45	23.50		24	
S	QPSK	15	13	23.42	23.38	23.38			
S	QPSK	1	0	23.47	23.45	23.45			
S	QPSK	1	0	23.38	23.38	23.38		24	
S	QPSK	1	12	22.89	22.78	22.78			
S	QPSK	1	24	22.70	22.72	22.80			
S	QPSK	12	12	22.50	22.42	22.48			
S	QPSK	12	25	22.05	22.01	22.03		23	
S	QPSK	1	0	22.04	22.02	22.04	23	2	
S	QPSK	25	0	22.03	22.03	22.06			
S	QPSK	1	0	22.78	22.75	22.80			
S	QPSK	12	12	22.05	22.03	22.03		23	
S	QPSK	1	24	22.30	22.30	22.30			
S	QPSK	12	0	21.70	21.28	21.20			
S	QPSK	1	0	21.54	21.38	21.30	23		
S	QPSK	12	13	21.39	21.07	21.04			
S	QPSK	25	0	21.08	21.05	21.24			
S	QPSK	1	0	19.81	19.90	19.87			
S	QPSK	1	12	19.02	19.01	19.24	20	5	
S	QPSK	1	24	18.07	18.09	18.06			
S	QPSK	12	12	18.04	18.04	18.03			
S	QPSK	12	7	18.05	18.10	18.08			
S	QPSK	25	13	18.38	18.24	18.08		24	
S	QPSK	25	13	18.31	18.24	18.08			

Band 30_Ant 2									
RF BNC	Module	RF SS	RF OF	Power Co. (dB)	Power Co. (dB)	Power Co. (dB)	Turn-on Time (s)	Light (m)	
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.35	23.35	23.35			
5	QPSK	1	25	23.63	23.63	23.63	24	0	
5	QPSK	25	0	23.76	23.76	23.76			
5	QPSK	25	12	23.81	23.81	23.81	23		
5	QPSK	12	0	23.81	23.81	23.81			
5	QPSK	50	0	22.22	22.22	22.22			
5	QPSK	1	0	22.82	22.82	22.82			
5	QPSK	1	49	22.25	22.25	22.25	23	1	
5	QPSK	1	49	21.04	21.04	21.04			
5	QPSK	25	13	21.30	21.30	21.30	22	2	
5	QPSK	25	25	21.30	21.30	21.30			
5	QPSK	50	0	21.40	21.40	21.40			
5	QPSK	1	25	21.14	21.14	21.14	22	2	
5	QPSK	1	49	21.62	21.62	21.62			
5	QPSK	1	73	20.15	20.15	20.15	21	3	
5	QPSK	25	12	20.10	20.10	20.10			
5	QPSK	25	25	20.42	20.42	20.42			
5	QPSK	50	0	19.48	19.48	19.48			
5	QPSK	1	0	19.25	19.25	19.25			
5	QPSK	1	25	19.16	19.16	19.16	19	5	
5	QPSK	1	49	19.02	19.02	19.02			
5	QPSK	25	0	19.35	19.35	19.35			
5	QPSK	25	12	19.11	19.11	19.11	19	5	
5	QPSK	25	25	19.06	19.06	19.06			
5	QPSK	50	0	19.05	19.05	19.05			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.75	23.75	23.75			
5	QPSK	1	25	23.75	23.75	23.75			
5	QPSK	1	12	23.70	23.70	23.70	24	0	
5	QPSK	1	24	23.32	23.32	23.32			
5	QPSK	1	48	23.74	23.74	23.74	24		
5	QPSK	12	7	22.62	22.62	22.62	23	1	
5	QPSK	12	13	22.60	22.64	22.34			
5	QPSK	12	25	22.30	22.37	22.61			
5	QPSK	1	0	22.85	22.85	22.71			
5	QPSK	1	12	22.63	22.77	22.64	23	1	
5	QPSK	1	24	22.78	22.73	22.81			
5	QPSK	12	0	21.77	21.77	21.31			
5	QPSK	12	7	21.77	21.39	21.31	22	2	
5	QPSK	12	13	21.81	21.34	21.29			
5	QPSK	25	0	21.73	21.47	21.77			
5	QPSK	1	12	21.80	21.93	21.72			
5	QPSK	1	24	21.18	21.18	21.22	22	2	
5	QPSK	1	24	21.54	21.80	21.80			
5	QPSK	12	0	20.88	20.43	20.30			
5	QPSK	12	7	20.85	20.47	20.32	21		
5	QPSK	12	13	20.52	20.55	20.54			
5	QPSK	25	0	20.74	20.50	20.44			
5	QPSK	1	0	19.48	19.05	18.91			
5	QPSK	1	12	19.16	18.77	18.21	19	5	
5	QPSK	1	24	18.77	18.50	18.47			
5	QPSK	12	0	18.70	17.96	18.15			
5	QPSK	12	7	17.87	18.12	18.05			
5	QPSK	12	13	18.37	18.34	18.15	19	5	
5	QPSK	1	24	17.96	17.96	17.98			



MINISTRY OF NATIONAL DEFENSE

Band 66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./RB	Power Ch./RB	Power Ch./RB	Time-use (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.05	21.75	22.37	23	0	
20	QPSK	1	49	21.79	21.77	21.87			
20	QPSK	1	98	21.79	21.77	21.87			
20	QPSK	50	0	20.74	20.75	20.87			
20	QPSK	50	24	20.74	20.75	20.87			
20	QPSK	50	49	20.74	20.75	20.87	22	1	
20	QPSK	100	0	20.61	20.66	20.81			
20	QPSK	100	24	20.61	20.66	20.81			
20	QPSK	1	0	21.02	21.04	21.09			
20	QPSK	1	98	20.95	21.00	21.04			
20	QPSK	1	0	19.92	19.96	19.92	22	1	
20	QPSK	50	0	19.91	19.93	19.93			
20	QPSK	100	0	19.76	19.76	19.96			
20	QPSK	100	24	19.80	19.80	19.80			
20	QPSK	1	0	20.09	20.07	19.84			
20	QPSK	1	49	20.76	20.50	19.85	21	2	
20	QPSK	1	98	20.00	19.88	19.41			
20	QPSK	50	0	18.75	18.79	18.84			
20	QPSK	50	24	18.71	18.71	18.84			
20	QPSK	100	0	18.59	18.59	18.59			
20	QPSK	1	49	18.49	18.47	18.41	18	5	
20	QPSK	1	98	18.49	18.47	18.41			
20	QPSK	50	0	18.49	18.49	18.49			
20	QPSK	50	24	18.39	18.39	18.42			
20	QPSK	100	0	18.64	18.49	18.62			
20	QPSK	100	24	18.64	18.49	18.62	20	3	
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79	18	5	
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89	20	3	
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89	18	5	
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02	20	3	
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02	18	5	
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79	20	3	
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79	18	5	
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89	20	3	
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89	18	5	
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02	20	3	
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02	18	5	
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79	20	3	
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79	18	5	
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89	20	3	
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89	18	5	
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02	20	3	
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02	18	5	
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79	20	3	
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79	18	5	
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89	20	3	
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89	18	5	
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02	20	3	
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02	18	5	
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79	20	3	
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79	18	5	
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89	20	3	
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89	18	5	
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02	20	3	
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79			
20	QPSK	1	0	19.02	19.02	19.02	18	5	
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79			
20	QPSK	100	24	18.79	18.79	18.79	20	3	
20	QPSK	1	0	19.02	19.02	19.02			
20	QPSK	1	49	19.02	19.02	19.02			
20	QPSK	50	0	18.89	18.89	18.89			
20	QPSK	50	24	18.89	18.89	18.89			
20	QPSK	100	0	18.79	18.79	18.79</			

Band 38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.62	22.67	23.15	24	0	
20	QPSK	1	49	23.08	23.16	23.20			
20	QPSK	1	99	22.96	23.09	23.16			
20	QPSK	50	0	21.86	21.85	22.23			
20	QPSK	50	24	22.06	22.09	22.25	23	1	
20	QPSK	50	50	22.00	21.95	22.22			
20	QPSK	100	0	21.92	21.86	22.22			
20	16QAM	1	0	21.67	22.09	22.21			
20	16QAM	1	49	21.76	22.11	22.34	23	1	
20	16QAM	1	99	21.79	21.96	22.27			
20	16QAM	50	0	20.73	20.91	21.29			
20	16QAM	50	24	21.00	20.99	21.40			
20	16QAM	50	50	20.98	21.04	21.14	22	2	
20	16QAM	100	0	20.98	20.84	21.23			
20	64QAM	1	0	21.03	20.92	21.35			
20	64QAM	1	49	20.54	20.87	21.44			
20	64QAM	1	99	21.25	21.01	21.04	22	2	
20	64QAM	50	0	19.97	19.97	20.27			
20	64QAM	50	24	20.14	20.08	20.40			
20	64QAM	50	50	20.18	20.13	20.41			
20	64QAM	100	0	20.12	20.08	20.33	21	3	
20	256QAM	1	0	17.64	17.67	18.11			
20	256QAM	1	49	17.62	17.95	17.84			
20	256QAM	1	99	17.91	17.83	17.79			
20	256QAM	50	0	17.82	18.10	18.20	19	5	
20	256QAM	50	24	17.92	17.95	17.85			
20	256QAM	50	50	17.77	17.90	17.87			
20	256QAM	100	0	17.66	17.97	17.85			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.38	22.44	22.87	24	0	
15	QPSK	1	37	22.81	23.09	23.01			
15	QPSK	1	74	22.69	22.87	23.07			
15	QPSK	36	0	21.86	21.66	22.29			
15	QPSK	36	20	21.92	22.05	22.25	23	1	
15	QPSK	36	39	21.80	21.83	22.23			
15	QPSK	75	0	22.00	21.74	22.14			
15	16QAM	1	0	21.48	21.97	22.22			
15	16QAM	1	37	21.70	21.98	22.25	23	1	
15	16QAM	1	74	21.72	22.03	22.17			
15	16QAM	36	0	20.64	20.89	21.09			
15	16QAM	36	20	20.92	20.98	21.44			
15	16QAM	36	39	20.75	21.10	20.89	22	2	
15	16QAM	75	0	20.82	20.77	21.03			
15	64QAM	1	0	21.03	20.97	21.17			
15	64QAM	1	37	20.40	20.73	21.48			
15	64QAM	1	74	21.35	20.82	20.83	22	2	
15	64QAM	36	0	19.85	19.93	20.17			
15	64QAM	36	20	19.91	19.82	20.17			
15	64QAM	36	39	20.14	19.91	20.37			
15	64QAM	75	0	19.85	19.87	20.23	21	3	
15	256QAM	1	0	17.72	17.45	17.88			
15	256QAM	1	37	17.66	17.93	17.90			
15	256QAM	1	74	17.90	17.86	17.56			
15	256QAM	36	0	17.62	17.82	18.12	19	5	
15	256QAM	36	20	17.67	17.81	17.81			
15	256QAM	36	39	17.75	17.88	17.71			
15	256QAM	75	0	17.43	17.93	17.88			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.46	22.49	23.13	24	0	
10	QPSK	1	25	23.10	22.93	23.00			
10	QPSK	1	49	23.02	22.87	23.11			
10	QPSK	25	0	21.77	21.83	22.29			
10	QPSK	25	12	22.07	21.84	22.04	23	1	
10	QPSK	25	25	21.96	21.68	22.21			
10	QPSK	50	0	21.98	21.76	22.11			
10	16QAM	1	0	21.48	22.02	21.94			
10	16QAM	1	25	21.59	22.10	22.42	23	1	
10	16QAM	1	49	21.87	21.86	22.17			
10	16QAM	25	0	20.58	20.67	21.23			
10	16QAM	25	12	21.01	20.77	21.33			
10	16QAM	25	25	20.83	20.88	21.16	22	2	
10	16QAM	50	0	20.85	20.77	21.22			
10	64QAM	1	0	20.96	20.64	21.26			
10	64QAM	1	25	20.45	20.68	21.40			
10	64QAM	1	49	21.20	21.09	21.05	22	2	
10	64QAM	25	0	19.85	19.74	20.17			
10	64QAM	25	12	20.20	20.15	20.35			
10	64QAM	25	25	20.01	20.20	20.36			
10	64QAM	50	0	19.84	20.10	20.15	21	3	
10	256QAM	1	0	17.70	17.63	17.89			
10	256QAM	1	25	17.45	18.01	17.66			
10	256QAM	1	49	17.64	17.68	17.65			
10	256QAM	25	0	17.70	18.14	18.19	19	5	
10	256QAM	25	12	17.70	17.83	17.82			
10	256QAM	25	25	17.73	17.71	17.91			
10	256QAM	50	0	17.66	17.86	17.86			
Channel				31775	32000	32225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2672.5	2695	2617.5			
5	QPSK	1	0	22.60	22.62	23.13	24	0	
5	QPSK	1	12	22.85	23.13	22.98			
5	QPSK	1	24	22.69	23.12	23.18			
5	QPSK	12	0	21.66	21.86	22.16			
5	QPSK	12	7	22.11	22.13	21.97	23	1	
5	QPSK	12	13	21.78	21.86	21.97			
5	QPSK	25	0	21.96	21.61	22.24			
5	16QAM	1	0	21.39	22.07	22.29			
5	16QAM	1	12	21.50	22.14	22.24	23	1	
5	16QAM	1	24	21.67	21.92	22.29			
5	16QAM	12	0	20.69	20.69	21.21			
5	16QAM	12	7	21.08	20.85	21.42			
5	16QAM	12	13	20.96	20.88	21.16	22	2	
5	16QAM	25	0	20.75	20.71	21.21			
5	64QAM	1	0	21.11	20.69	21.08			
5	64QAM	1	12	20.42	20.77	21.25			
5	64QAM	1	24	21.18	21.00	20.96	22	2	
5	64QAM	12	0	19.78	19.71	20.18			
5	64QAM	12	7	20.15	20.07	20.18			
5	64QAM	12	13	19.97	20.20	20.19			
5	64QAM	25	0	20.09	19.92	20.06	21	3	
5	256QAM	1	0	17.40	17.46	17.98			
5	256QAM	1	12	17.36	17.77	17.79			
5	256QAM	1	24	17.82	17.76	17.80			
5	256QAM	12	0	17.84	17.85	18.20	19	5	
5	256QAM	12	7	17.98	17.71	17.73			
5	256QAM	12	13	17.71	17.88	17.79			
5	256QAM	25	0	17.58	17.79	17.82			

Band 38_Ant 2									
BW [MHz]	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	23.42	23.71	23.83	25	0	
20	QPSK	1	49	23.84	23.92	24.01			
20	QPSK	1	99	23.82	23.87	23.91			
20	QPSK	50	0	22.53	22.86	22.99	24	1	
20	QPSK	50	24	22.76	22.94	23.01			
20	QPSK	50	50	22.75	22.80	22.92			
20	QPSK	100	0	22.87	22.84	22.99	24	1	
20	16QAM	1	0	23.08	23.02	23.34			
20	16QAM	1	49	23.09	23.44	23.18			
20	16QAM	1	99	22.93	23.40	23.18	23	2	
20	16QAM	50	0	21.52	21.83	22.10			
20	16QAM	50	24	21.68	21.87	22.05			
20	16QAM	50	50	21.73	21.96	22.09	23	2	
20	16QAM	100	0	21.58	21.96	21.99			
20	16QAM	1	49	21.59	21.81	22.16			
20	64QAM	1	49	21.46	21.78	21.97	23	2	
20	64QAM	1	99	21.79	21.92	22.08			
20	64QAM	50	0	20.56	20.90	21.08			
20	64QAM	50	24	20.52	20.89	21.23	22	3	
20	64QAM	50	50	20.87	20.82	20.93			
20	64QAM	100	0	20.62	20.84	21.17			
20	256QAM	1	0	18.78	18.77	18.96	20	5	
20	256QAM	1	49	18.74	18.97	18.79			
20	256QAM	1	99	18.84	18.75	18.98			
20	256QAM	50	0	18.55	18.97	19.24	20	5	
20	256QAM	50	24	18.77	19.00	18.76			
20	256QAM	50	50	18.83	18.10	19.15			
20	256QAM	100	0	18.83	18.76	18.83			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.42	23.52	23.65	25	0	
15	QPSK	1	37	23.61	24.00	23.99			
15	QPSK	1	74	23.65	23.66	23.75			
15	QPSK	36	0	22.36	22.66	22.97	24	1	
15	QPSK	36	20	22.78	22.88	22.88			
15	QPSK	36	39	22.64	22.54	23.00			
15	QPSK	75	0	22.43	22.79	22.81	24	1	
15	16QAM	1	0	23.16	22.81	23.08			
15	16QAM	1	37	22.82	23.32	23.15			
15	16QAM	1	74	22.66	23.24	23.18	23	2	
15	16QAM	36	0	21.46	21.60	22.10			
15	16QAM	36	20	21.63	21.81	22.06			
15	16QAM	36	39	21.80	21.88	22.02	23	2	
15	16QAM	75	0	21.35	21.75	21.77			
15	64QAM	1	0	21.47	21.89	22.18			
15	64QAM	1	37	21.44	21.70	22.05	23	2	
15	64QAM	1	74	21.57	21.65	21.95			
15	64QAM	36	0	20.40	20.92	20.98			
15	64QAM	36	20	20.47	20.64	20.95	22	3	
15	64QAM	36	39	20.85	20.68	21.00			
15	64QAM	75	0	20.34	20.78	21.15			
15	256QAM	1	0	18.69	18.97	18.80	20	5	
15	256QAM	1	37	18.60	18.92	18.54			
15	256QAM	1	74	18.79	18.91	19.04			
15	256QAM	36	0	18.73	19.08	19.23	20	5	
15	256QAM	36	20	18.83	18.80	18.64			
15	256QAM	36	39	18.76	18.94	18.93			
15	256QAM	75	0	18.65	18.98	18.86			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.16	23.56	23.58	25	0	
10	QPSK	1	25	23.56	23.64	23.96			
10	QPSK	1	49	23.66	23.72	23.66			
10	QPSK	25	0	22.50	22.60	23.04	24	1	
10	QPSK	25	12	22.55	22.80	22.92			
10	QPSK	25	25	22.60	22.88	22.83			
10	QPSK	50	0	22.64	22.71	22.93	24	1	
10	16QAM	1	0	22.91	22.96	23.07			
10	16QAM	1	25	22.99	23.48	22.94			
10	16QAM	1	49	22.90	23.14	23.15	23	2	
10	16QAM	25	0	21.51	21.78	22.18			
10	16QAM	25	12	21.60	21.92	22.05			
10	16QAM	25	25	21.74	21.73	21.99	23	2	
10	16QAM	50	0	21.37	21.97	21.95			
10	64QAM	1	0	21.43	21.62	22.24			
10	64QAM	1	25	21.50	21.60	21.69	23	2	
10	64QAM	1	49	21.57	21.68	21.85			
10	64QAM	25	0	20.34	20.85	20.82			
10	64QAM	25	12	20.26	20.88	21.24	22	3	
10	64QAM	25	25	20.87	20.85	20.77			
10	64QAM	50	0	20.44	20.60	21.08			
10	256QAM	1	0	18.89	18.97	18.80	20	5	
10	256QAM	1	25	18.88	19.01	18.50			
10	256QAM	1	49	18.87	18.81	18.99			
10	256QAM	25	0	18.71	18.88	18.95	20	5	
10	256QAM	25	12	18.75	19.06	18.76			
10	256QAM	25	25	18.72	18.95	19.03			
10	256QAM	50	0	18.93	19.02	18.73			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.34	23.50	23.84	25	0	
5	QPSK	1	12	23.85	23.90	23.94			
5	QPSK	1	24	23.66	23.84	23.65			
5	QPSK	12	0	22.27	22.69	22.76	24	1	
5	QPSK	12	7	22.84	22.71	22.74			
5	QPSK	12	13	22.54	22.59	23.00			
5	QPSK	25	0	22.74	22.81	22.82	24	1	
5	16QAM	1	0	22.91	22.87	23.23			
5	16QAM	1	12	23.11	23.35	22.97			
5	16QAM	1	24	22.72	23.19	23.14	23	2	
5	16QAM	12	0	21.35	21.67	22.10			
5	16QAM	12	7	21.55	21.72	21.93			
5	16QAM	12	13	21.50	21.97	22.05	23	2	
5	16QAM	25	0	21.43	22.00	21.88			
5	64QAM	1	0	21.32	21.59	22.19			
5	64QAM	1	12	21.36	21.54	21.74	23	2	
5	64QAM	1	24	21.58	21.91	21.84			
5	64QAM	12	0	20.49	20.67	21.05			
5	64QAM	12	7	20.34	20.89	21.06	22	3	
5	64QAM	12	13	20.87	20.65	20.76			
5	64QAM	25	0	20.66	20.69	21.15			
5	256QAM	1	0	18.77	18.70	19.09	20	5	
5	256QAM	1	12	18.65	18.71	18.62			
5	256QAM	1	24	18.91	18.93	18.80			
5	256QAM	12	0	18.69	18.84	19.06	20	5	
5	256QAM	12	7	18.80	19.14	18.96			
5	256QAM	12	13	18.76	18.93	18.86			
5	256QAM	25	0	18.83	18.85	19.02			



Band 41_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	22.67	22.78	23.01	22.80	22.71	24	0	
20	QPSK	1	49	22.84	22.95	23.04	23.18	23.22			
20	QPSK	1	99	22.81	22.82	23.00	22.64	23.16	23	1	
20	QPSK	50	0	21.93	21.78	22.03	22.07	22.07			
20	QPSK	50	24	21.95	21.98	22.07	22.22	22.27	23	1	
20	QPSK	50	50	21.88	21.97	22.05	22.14	22.12			
20	QPSK	100	0	21.96	21.93	22.18	22.18	22.25	23	1	
20	16QAM	1	0	21.88	21.77	22.28	21.95	21.94			
20	16QAM	1	49	21.97	21.79	22.32	22.56	22.29	23	1	
20	16QAM	1	99	21.81	21.84	22.29	22.03	22.15			
20	16QAM	50	0	20.94	20.83	21.08	21.10	21.09	22	2	
20	16QAM	50	24	21.01	21.02	21.15	21.23	21.23			
20	16QAM	50	50	20.92	21.02	21.14	21.18	21.11	22	2	
20	16QAM	100	0	20.83	20.88	21.18	21.21	21.25			
20	64QAM	1	0	20.82	20.95	21.27	21.08	20.94	22	2	
20	64QAM	1	49	21.07	21.31	21.24	21.29	21.28			
20	64QAM	1	99	20.98	21.12	21.17	21.04	20.86	21	3	
20	64QAM	50	0	19.86	19.87	20.18	20.20	20.13			
20	64QAM	50	24	20.01	20.06	20.22	20.36	20.27	21	3	
20	64QAM	50	50	20.03	20.04	20.31	20.24	20.22			
20	64QAM	100	0	20.00	20.03	20.21	20.29	20.25	19	5	
20	256QAM	1	0	17.31	17.56	17.63	17.84	17.44			
20	256QAM	1	49	17.37	17.34	17.71	17.64	17.50	19	5	
20	256QAM	1	99	17.35	17.55	17.65	17.57	17.49			
20	256QAM	50	0	17.57	17.61	17.96	17.58	17.45	19	5	
20	256QAM	50	24	17.31	17.37	17.79	17.62	17.64			
20	256QAM	50	50	17.32	17.48	17.61	17.79	17.83	20	5	
20	256QAM	100	0	17.35	17.43	17.53	17.53	18.01			
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	22.41	22.85	22.85	22.82	22.64	24	0	
15	QPSK	1	37	22.63	22.97	23.04	23.08	23.20			
15	QPSK	1	74	22.72	22.86	23.07	22.85	23.11	23	1	
15	QPSK	36	0	21.75	21.85	21.95	21.80	22.12			
15	QPSK	36	20	21.87	21.73	21.83	22.04	22.26	23	1	
15	QPSK	36	39	21.96	22.02	22.12	22.15	21.93			
15	QPSK	75	0	22.01	21.65	22.12	22.05	22.06	23	1	
15	16QAM	1	0	21.95	21.76	22.08	21.68	21.77			
15	16QAM	1	37	21.95	21.74	22.38	22.49	22.16	22	2	
15	16QAM	1	74	21.60	21.77	22.17	21.84	22.10			
15	16QAM	36	0	20.68	20.66	21.01	20.85	21.06	22	2	
15	16QAM	36	20	21.07	21.04	20.90	21.19	21.28			
15	16QAM	36	39	20.82	20.97	20.88	21.09	20.89	22	2	
15	16QAM	75	0	20.66	20.71	21.12	21.09	21.07			
15	64QAM	1	0	20.89	20.89	21.35	21.15	20.84	22	2	
15	64QAM	1	37	21.13	21.19	20.97	21.12	21.20			
15	64QAM	1	74	20.71	20.87	21.15	21.12	20.62	21	3	
15	64QAM	36	0	19.83	19.95	20.12	19.93	20.10			
15	64QAM	36	20	19.77	20.13	20.04	20.11	20.27	19	5	
15	64QAM	36	39	20.07	19.79	20.10	20.05	20.25			
15	64QAM	75	0	20.05	20.02	20.17	20.23	20.29	19	5	
15	256QAM	1	0	17.23	17.40	17.54	17.73	17.43			
15	256QAM	1	37	17.39	17.19	17.79	17.54	17.49	19	5	
15	256QAM	1	74	17.34	17.27	17.44	17.46	17.48			
15	256QAM	36	0	17.51	17.65	17.74	17.35	17.17	19	5	
15	256QAM	36	20	17.14	17.45	17.78	17.60	17.56			
15	256QAM	36	39	17.07	17.43	17.39	17.56	17.90	19	5	
15	256QAM	75	0	17.35	17.47	17.39	17.39	17.85			
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	22.43	22.53	23.06	22.76	22.45	24	0	
10	QPSK	1	25	22.80	22.72	23.00	23.08	23.18			
10	QPSK	1	49	22.78	22.89	23.03	22.48	22.94	23	1	
10	QPSK	25	0	21.97	21.64	22.05	21.92	21.95			
10	QPSK	25	12	21.88	21.98	22.12	22.00	22.22	23	1	
10	QPSK	25	25	21.82	22.04	21.87	22.09	22.04			
10	QPSK	50	0	21.96	21.81	21.92	22.03	22.11	23	1	
10	16QAM	1	0	21.64	21.79	22.16	21.87	21.99			
10	16QAM	1	25	21.89	21.87	22.07	22.36	22.31	22	2	
10	16QAM	1	49	21.74	21.87	22.25	21.80	22.09			
10	16QAM	25	0	20.76	20.81	20.99	21.18	20.97	22	2	
10	16QAM	25	12	20.84	21.10	20.98	20.97	21.28			
10	16QAM	25	25	20.68	21.04	21.00	21.24	21.08	22	2	
10	16QAM	50	0	20.82	20.83	21.20	21.18	21.06			
10	64QAM	1	0	20.68	20.79	21.28	20.87	20.79	22	2	
10	64QAM	1	25	20.81	21.35	21.05	21.05	21.28			
10	64QAM	1	49	20.93	20.93	20.96	20.76	20.68	21	3	
10	64QAM	25	0	19.70	19.92	20.00	20.09	20.07			
10	64QAM	25	12	19.80	20.05	19.99	20.36	20.26	19	5	
10	64QAM	25	25	19.96	20.11	20.39	20.05	20.17			
10	64QAM	50	0	19.90	19.87	20.28	20.30	20.04	19	5	
10	256QAM	1	0	17.36	17.46	17.41	17.76	17.44			
10	256QAM	1	25	17.27	17.30	17.66	17.37	17.32	19	5	
10	256QAM	1	49	17.42	17.29	17.48	17.56	17.36			
10	256QAM	25	0	17.35	17.53	17.93	17.30	17.24	19	5	
10	256QAM	25	12	17.37	17.30	17.73	17.47	17.49			
10	256QAM	25	25	17.19	17.38	17.34	17.61	17.55	20	5	
10	256QAM	50	0	17.28	17.42	17.61	17.28	17.74			
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	22.63	22.84	22.91	22.64	22.74	24	0	
5	QPSK	1	12	22.73	23.02	23.12	23.07	23.11			
5	QPSK	1	24	22.55	22.80	22.77	22.71	23.15	23	1	
5	QPSK	12	0	21.70	21.64	22.07	22.10	22.04			
5	QPSK	12	7	21.75	21.73	22.10	22.14	22.01	23	1	
5	QPSK	12	13	21.79	21.79	21.93	22.19	22.15			
5	QPSK	25	0	21.88	21.90	22.12	21.98	22.00	23	1	
5	16QAM	1	0	21.72	21.82	22.03	22.03	21.97			
5	16QAM	1	12	21.79	21.60	22.36	22.31	22.07	23	1	
5	16QAM	1	24	21.66	21.61	22.11	21.80	21.91			
5	16QAM	12	0	20.66	20.61	21.14	21.11	20.83	22	2	
5	16QAM	12	7	20.86	21.05	21.16	21.18	21.03			
5	16QAM	12	13	20.81	20.97	21.20	21.15	20.83	22	2	
5	16QAM	25	0	20.80	20.96	21.23	21.21	21.08			
5	64QAM	1	0	20.71	20.83	21.34	21.11	20.74	22	2	
5	64QAM	1	12	20.85	21.12	21.27	21.28	21.34			
5	64QAM	1	24	20.85	21.05	21.25	21.07	20.74	21	3	
5	64QAM	12	0	19.89	19.62	20.26	20.07	19.88			
5	64QAM	12	7	20.00	20.06	20.20	20.15	20.16	21	3	
5	64QAM	12	13	20.06	19.95	20.10	20.00	20.16			
5	64QAM	25	0	19.84	20.08	20.11	20.08	20.20	19	5	
5	256QAM	1	0	17.28	17.39	17.49	17.59	17.51			
5	256QAM	1	12	17.09	17.15	17.47	17.37	17.43	19	5	
5	256QAM	1	24	17.08	17.63	17.64	17.51	17.37			
5	256QAM	12	0	17.44	17.33	18.04	17.40	17.39	19	5	
5	256QAM	12	7	17.38	17.32	18.07	17.61	17.60			
5	256QAM	12	13	17.35	17.27	17.53	17.80	17.75	19	5	
5	256QAM	25	0	17.21	17.31	17.53	17.41	17.87			

Band 41_Ant 2											
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	25	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	23.80	23.88	24.07	23.84	24.14	24	1	
20	QPSK	1	49	23.84	24.02	24.17	24.16	24.25			
20	QPSK	1	99	23.77	23.97	24.01	23.91	24.21	24	1	
20	QPSK	50	0	22.86	23.08	23.09	23.14	23.28			
20	QPSK	50	24	22.92	23.16	23.20	23.21	23.32	24	1	
20	QPSK	50	50	22.90	23.14	23.13	23.12	23.21			
20	QPSK	100	0	23.08	23.15	23.15	23.12	23.30	24	1	
20	16QAM	1	0	23.12	23.17	22.99	23.11	23.25			
20	16QAM	1	49	22.84	23.42	22.88	23.22	23.36	24	1	
20	16QAM	1	99	23.15	22.82	23.40	22.85	22.95			
20	16QAM	50	0	21.90	22.13	22.26	22.26	22.30	23	2	
20	16QAM	50	24	22.12	22.23	22.23	22.44	22.44			
20	16QAM	50	50	22.05	22.25	22.39	22.31	22.40	23	2	
20	16QAM	100	0	22.01	22.19	22.31	22.32	22.43			
20	64QAM	1	0	21.96	22.12	21.91	22.04	22.03	23	2	
20	64QAM	1	49	22.01	22.33	22.05	22.28	22.34			
20	64QAM	1	99	21.86	21.94	22.44	22.13	22.02	22	3	
20	64QAM	50	0	21.05	21.01	21.23	21.21	21.38			
20	64QAM	50	24	21.03	21.18	21.24	21.39	21.48	22	3	
20	64QAM	50	50	20.97	21.17	21.31	21.24	21.54			
20	64QAM	100	0	21.06	21.20	21.33	21.31	21.47	20	5	
20	256QAM	1	0	18.27	18.79	18.50	18.96	18.35			
20	256QAM	1	49	18.22	18.31	18.64	18.60	18.61	20	5	
20	256QAM	1	99	18.41	18.52	18.67	18.56	18.58			
20	256QAM	50	0	18.44	18.56	18.72	18.80	18.59	20	5	
20	256QAM	50	24	18.33	18.50	18.85	18.37	18.76			
20	256QAM	50	50	18.55	18.64	18.67	18.69	18.63	20	5	
20	256QAM	100	0	18.33	18.46	18.58	18.47	18.74			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	25	0	
15	QPSK	1	0	23.53	23.89	23.81	23.59	24.07			
15	QPSK	1	37	23.71	23.77	24.04	24.12	24.01	24	1	
15	QPSK	1	74	23.80	23.87	24.04	23.81	24.19			
15	QPSK	36	0	22.62	23.04	22.97	22.88	23.01	24	1	
15	QPSK	36	20	22.69	22.98	23.12	23.06	23.17			
15	QPSK	36	39	22.94	23.07	22.87	22.93	23.11	24	1	
15	QPSK	75	0	22.82	22.91	23.20	22.97	23.38			
15	16QAM	1	0	23.06	22.96	22.82	22.88	23.07	24	1	
15	16QAM	1	37	22.64	23.21	22.60	23.05	23.32			
15	16QAM	1	74	23.13	22.56	23.37	22.81	22.85	23	2	
15	16QAM	36	0	21.96	21.96	22.30	22.18	22.38			
15	16QAM	36	20	22.12	22.07	22.02	22.22	22.32	23	2	
15	16QAM	36	39	22.00	21.98	22.24	22.11	22.26			
15	16QAM	75	0	22.03	22.23	22.26	22.32	22.20	23	2	
15	64QAM	1	0	21.72	22.08	21.90	22.06	21.98			
15	64QAM	1	37	21.83	22.14	22.11	22.35	22.09	22	3	
15	64QAM	1	74	21.65	21.93	22.48	21.93	21.83			
15	64QAM	36	0	20.77	20.73	21.00	21.01	21.22	22	3	
15	64QAM	36	20	20.93	20.98	21.27	21.25	21.53			
15	64QAM	36	39	20.93	21.17	21.10	20.98	21.53	20	5	
15	64QAM	75	0	21.05	21.27	21.07	21.36	21.47			
15	256QAM	1	0	18.33	18.66	18.53	18.98	18.18	20	5	
15	256QAM	1	37	18.05	18.25	18.41	18.57	18.61			
15	256QAM	1	74	18.31	18.39	18.61	18.38	18.51	20	5	
15	256QAM	36	0	18.20	18.46	18.73	18.78	18.61			
15	256QAM	36	20	18.28	18.24	18.63	18.14	18.83	20	5	
15	256QAM	36	39	18.42	18.50	18.54	18.53	18.45			
15	256QAM	75	0	18.13	18.25	18.52	18.28	18.48	25	0	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685	25	0	
10	QPSK	1	0	23.58	23.86	24.10	23.57	24.06			
10	QPSK	1	25	23.85	23.93	24.24	24.00	24.20	24	1	
10	QPSK	1	49	23.84	23.90	23.87	23.83	24.04			
10	QPSK	25	0	22.93	22.80	23.06	22.90	23.11	24	1	
10	QPSK	25	12	22.68	23.10	23.21	23.15	23.10			
10	QPSK	25	25	22.85	22.91	22.97	23.19	23.10	24	1	
10	QPSK	50	0	22.92	22.98	23.15	23.04	23.06			
10	16QAM	1	0	22.93	23.20	23.05	23.15	23.24	24	1	
10	16QAM	1	25	22.64	23.30	22.61	23.27	23.20			
10	16QAM	1	49	23.11	22.60	23.28	22.67	22.68	23	2	
10	16QAM	25	0	21.87	22.21	22.06	22.30	22.19			
10	16QAM	25	12	21.97	22.04	22.30	22.22	22.16	23	2	
10	16QAM	25	25	21.89	21.99	22.42	22.35	22.32			
10	16QAM	50	0	21.98	22.08	22.16	22.32	22.51	23	2	
10	64QAM	1	0	22.00	22.08	21.68	21.78	21.81			
10	64QAM	1	25	22.08	22.34	21.93	22.32	22.21	22	3	
10	64QAM	1	49	21.69	21.91	22.18	22.00	21.77			
10	64QAM	25	0	20.81	21.02	21.20	21.28	21.46	20	5	
10	64QAM	25	12	20.89	20.99	21.28	21.15	21.25			
10	64QAM	25	25	20.83	21.14	21.27	21.17	21.30	20	5	
10	64QAM	50	0	21.02	20.93	21.38	21.19	21.22			
10	256QAM	1	0	18.26	18.57	18.25	18.72	18.37	20	5	
10	256QAM	1	25	18.29	18.31	18.62	18.49	18.49			
10	256QAM	1	49	18.47	18.48	18.61	18.64	18.45	20	5	
10	256QAM	25	0	18.30	18.43	18.76	18.58	18.39			
10	256QAM	25	12	18.34	18.46	18.57	18.09	18.62	20	5	
10	256QAM	25	25	18.63	18.63	18.53	18.72	18.55			
10	256QAM	50	0	18.17	18.51	18.66	18.25	18.70	25	0	
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	25	0	
5	QPSK	1	0	23.84	23.91	23.89	23.89	24.06			
5	QPSK	1	12	23.85	23.83	24.15	24.23	24.11	24	1	
5	QPSK	1	24	23.66	24.05	23.91	23.73	24.04			
5	QPSK	12	0	22.89	22.88	23.14	22.94	23.20	24	1	
5	QPSK	12	7	22.70	23.00	23.20	23.20	23.34			
5	QPSK	12	13	22.94	23.00	23.02	23.09	23.00	24	1	
5	QPSK	25	0	22.85	23.00	23.19	22.95	23.28			
5	16QAM	1	0	23.15	23.04	22.88	23.12	23.03	24	1	
5	16QAM	1	12	22.71	23.26	22.76	23.14	23.14			
5	16QAM	12	0	21.64	22.08	22.17	22.29	22.09	23	2	
5	16QAM	12	7	22.02	21.96	22.20	22.25	22.27			
5	16QAM	12	13	21.92	21.97	22.35	22.13	22.24	23	2	
5	16QAM	25	0	21.80	22.06	22.36	22.28	22.16			
5	64QAM	1	0	21.88	22.12	21.82	21.91	22.07	23	2	
5	64QAM	1	12	21.88	22.36	21.94	22.27	22.18			
5	64QAM	1	24	21.74	21.87	22.35	22.09	21.87	22	3	
5	64QAM	12	0	20.99	21.07	20.96	21.00	21.35			
5	64QAM	12	7	20.92	21.15	21.04	21.43	21.56	22	3	
5	64QAM	12	13	20.77	21.03	21.15	21.27	21.53			
5	64QAM	25	0	21.01	21.22	21.22	21.27	21.32	20	5	
5	256QAM	1	0	18.02	18.60	18.37	18.93	18.07			
5	256QAM	1	12	18.28	18.17	18.36	18.57	18.62	20	5	
5	256QAM	1	24	18.27	18.60	18.65	18.45	18.59			
5	256QAM	12	0	18.20	18.37	18.60	18.56	18.53	20	5	
5	256QAM	12	7	18.06	18.55	18.83	18.18	18.83			
5	256QAM	12	13	18.40	18.42	18.52	18.75	18.45	20	5	
5	256QAM	25	0	18.08	18.36	18.62	18.23	18.74			



WWAN Power for State 13

GSM850_Ant 0	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	32.76	32.50	32.88	34.00	23.76	23.50	23.88	25.00
GPRS 1 Tx slot	32.77	32.52	32.89	34.00	23.77	23.52	23.89	25.00
GPRS 2 Tx slots	32.76	32.45	32.83	34.00	26.76	26.45	26.83	28.00
EDGE 1 Tx slot	26.58	26.62	26.73	28.00	17.58	17.62	17.73	20.00
EDGE 2 Tx slots	26.50	26.57	26.72	28.00	20.50	20.57	20.72	23.00

GSM1900_Ant 1	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	1860	1909.8	1850.2	1860	1909.8	
GSM 1 Tx slot	30.07	30.02	30.10	31.00	21.07	21.02	21.10	22.00
GPRS 1 Tx slot	30.05	30.00	30.08	31.00	21.05	21.00	21.08	22.00
GPRS 2 Tx slots	29.84	29.86	29.89	31.00	23.84	23.86	23.89	25.00
EDGE 1 Tx slot	25.23	25.49	25.64	28.00	16.23	16.49	16.64	19.00
EDGE 2 Tx slots	25.16	25.41	25.52	28.00	19.16	19.41	19.52	22.00

GSM1900_Ant 2	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	1860	1909.8	1850.2	1860	1909.8	
GSM 1 Tx slot	30.07	30.02	30.10	31.00	21.07	21.02	21.10	22.00
GPRS 1 Tx slot	30.05	30.00	30.08	31.00	21.05	21.00	21.08	22.00
GPRS 2 Tx slots	29.84	29.86	29.89	31.00	23.84	23.86	23.89	25.00
EDGE 1 Tx slot	25.23	25.49	25.64	28.00	16.23	16.49	16.64	19.00
EDGE 2 Tx slots	25.16	25.41	25.52	28.00	19.16	19.41	19.52	22.00

Band	WCDMA II_Ant 1			Tune-up Limit (dBm)	WCDMA II_Ant 2			Tune-up Limit (dBm)
	TX Channel	5262	9400	9538	5262	9400	9538	
	Rx Channel	5652	9800	9938	5652	9800	9938	
Frequency (MHz)		1852.4	1860	1907.6	1852.4	1860	1907.6	
3GPP Rel 99	AMR 12.2Kbps	25.15	25.08	25.16	25.15	25.08	25.16	
3GPP Rel 99	RMC 12.2Kbps	25.17	25.11	25.19	25.17	25.11	25.19	
3GPP Rel 6	HSDPA Subtest-1	23.96	23.92	24.03	24.50	23.96	23.92	24.03
3GPP Rel 6	HSDPA Subtest-2	23.96	23.94	24.02	24.50	23.96	23.94	24.02
3GPP Rel 6	HSDPA Subtest-3	23.49	23.42	23.50	24.00	23.49	23.42	23.50
3GPP Rel 6	HSDPA Subtest-4	23.46	23.43	23.49	24.00	23.46	23.43	23.49
3GPP Rel 6	DC-HSDPA Subtest-1	23.86	23.84	23.96	24.50	23.86	23.84	23.96
3GPP Rel 6	DC-HSDPA Subtest-2	23.85	23.80	23.93	24.50	23.85	23.80	23.93
3GPP Rel 6	DC-HSDPA Subtest-3	23.37	23.35	23.43	24.00	23.37	23.35	23.43
3GPP Rel 6	DC-HSDPA Subtest-4	23.36	23.36	23.41	24.00	23.36	23.36	23.41
3GPP Rel 6	HSUPA Subtest-1	23.90	23.97	24.08	24.50	23.90	23.97	24.08
3GPP Rel 6	HSUPA Subtest-2	21.99	22.01	22.08	22.50	21.99	22.01	22.08
3GPP Rel 6	HSUPA Subtest-3	23.04	22.96	23.09	23.50	23.04	22.96	23.09
3GPP Rel 6	HSUPA Subtest-4	22.05	22.02	22.13	22.50	22.05	22.02	22.13
3GPP Rel 6	HSUPA Subtest-5	24.10	24.00	24.10	24.50	24.10	24.00	24.10

Band	WCDMA IV_Ant 1			Tune-up Limit (dBm)	WCDMA IV_Ant 2			Tune-up Limit (dBm)
	TX Channel	1312	1413	1513	1312	1413	1513	
	Rx Channel	1537	1638	1738	1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.16	22.93	22.91	24.00	25.27	25.02	25.00
3GPP Rel 99	RMC 12.2Kbps	23.17	22.95	22.92	24.00	25.30	25.04	25.02
3GPP Rel 6	HSDPA Subtest-1	22.12	21.89	21.83	23.00	24.07	23.87	23.80
3GPP Rel 6	HSDPA Subtest-2	22.12	21.91	21.79	23.00	24.04	23.88	23.78
3GPP Rel 6	HSDPA Subtest-3	21.62	21.42	21.33	22.50	23.60	23.35	23.29
3GPP Rel 6	HSDPA Subtest-4	21.60	21.42	21.36	22.50	23.56	23.33	23.30
3GPP Rel 6	DC-HSDPA Subtest-1	22.06	21.87	21.68	23.00	23.93	23.76	23.71
3GPP Rel 6	DC-HSDPA Subtest-2	22.07	21.75	21.63	23.00	23.91	23.79	23.67
3GPP Rel 6	DC-HSDPA Subtest-3	21.54	21.35	21.24	22.50	23.51	23.23	23.14
3GPP Rel 6	DC-HSDPA Subtest-4	21.51	21.33	21.34	22.50	23.48	23.25	23.15
3GPP Rel 6	HSUPA Subtest-1	22.04	21.87	21.81	23.00	24.10	23.91	23.90
3GPP Rel 6	HSUPA Subtest-2	20.10	19.91	19.85	21.00	22.14	21.93	21.84
3GPP Rel 6	HSUPA Subtest-3	21.03	20.92	20.82	22.00	23.11	22.94	22.88
3GPP Rel 6	HSUPA Subtest-4	20.09	19.86	19.84	21.00	22.14	21.92	21.90
3GPP Rel 6	HSUPA Subtest-5	22.10	21.90	21.80	23.00	24.10	23.90	23.90

Band	WCDMA V_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 2			Tune-up Limit (dBm)
	TX Channel	4132	4182	4233	4132	4182	4233	
	Rx Channel	4357	4407	4458	4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.79	24.75	24.81	25.50	24.79	24.75	24.81
3GPP Rel 99	RMC 12.2Kbps	24.80	24.77	24.87	25.50	24.80	24.77	24.87
3GPP Rel 6	HSDPA Subtest-1	23.73	23.70	23.77	24.50	23.73	23.70	23.77
3GPP Rel 6	HSDPA Subtest-2	23.75	23.74	23.77	24.50	23.75	23.74	23.77
3GPP Rel 6	HSDPA Subtest-3	23.27	23.24	23.25	24.00	23.27	23.24	23.25
3GPP Rel 6	HSDPA Subtest-4	23.23	23.18	23.20	24.00	23.23	23.18	23.20
3GPP Rel 6	DC-HSDPA Subtest-1	23.69	23.67	23.77	24.50	23.69	23.67	23.77
3GPP Rel 6	DC-HSDPA Subtest-2	23.68	23.66	23.68	24.50	23.68	23.66	23.68
3GPP Rel 6	DC-HSDPA Subtest-3	23.18	23.16	23.21	24.00	23.18	23.16	23.21
3GPP Rel 6	DC-HSDPA Subtest-4	23.17	23.11	23.11	24.00	23.17	23.11	23.11
3GPP Rel 6	HSUPA Subtest-1	23.74	23.71	23.78	24.50	23.74	23.71	23.78
3GPP Rel 6	HSUPA Subtest-2	21.75	21.72	21.78	22.50	21.75	21.72	21.78
3GPP Rel 6	HSUPA Subtest-3	22.75	22.71	22.83	23.50	22.75	22.71	22.83
3GPP Rel 6	HSUPA Subtest-4	21.75	21.71	21.80	22.50	21.75	21.71	21.80
3GPP Rel 6	HSUPA Subtest-5	23.70	23.70	23.80	24.50	23.70	23.70	23.80



Band 2_Ant 1									
BW (MHz)	Modulation	RF Sub	RF Offset	Power Ch./Freq.	Power RF Ch./Freq.	Power RF Ch./Freq.	Turn-on time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.48	24.37	24.38			
20	QPSK	1	49	24.41	24.42	24.31	20	0	
20	QPSK	1	99	24.38	24.36	24.31			
20	QPSK	50	0	23.47	23.37	23.48			
20	QPSK	50	24	23.42	23.44	23.33	25	1	
20	QPSK	50	50	23.47	23.42	23.50			
20	QPSK	100	0	23.49	23.42	23.50			
20	16QAM	1	49	23.77	23.68	23.75	25	1	
20	16QAM	1	99	23.68	23.61	23.58			
20	16QAM	50	0	22.48	22.38	22.50			
20	16QAM	50	24	22.59	22.45	22.48	24	2	
20	16QAM	50	50	22.48	22.41	22.37			
20	16QAM	100	0	22.52	22.45	22.58			
20	8QAM	1	0	22.69	22.64	22.61	24	2	
20	8QAM	1	49	22.76	22.65	22.62			
20	8QAM	50	0	21.48	21.39	21.51			
20	8QAM	50	24	21.50	21.43	21.39	23	3	
20	8QAM	50	50	21.47	21.41	21.38			
20	8QAM	100	0	21.51	21.42	21.38			
20	256QAM	1	0	19.81	19.75	19.79			
20	256QAM	1	49	19.81	19.75	19.79	21	5	
20	256QAM	50	0	19.80	19.78	19.80			
20	256QAM	50	24	19.80	19.78	19.80			
20	256QAM	50	50	19.80	19.77	19.80			
20	256QAM	100	0	19.80	19.78	19.80	21	5	
20	256QAM	100	24	19.80	19.78	19.80			
20	256QAM	100	50	19.80	19.78	19.80			
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.38	24.32	24.43			
15	QPSK	1	37	24.38	24.40	24.31	26	0	
15	QPSK	1	74	24.38	24.30	24.40			
15	QPSK	36	0	23.44	23.38	23.49			
15	QPSK	36	20	23.43	23.41	23.37	25	1	
15	QPSK	36	24	23.38	23.41	23.38			
15	QPSK	76	0	23.41	23.41	23.37			
15	16QAM	1	0	23.71	23.71	23.75			
15	16QAM	1	37	23.68	23.67	23.76	25	1	
15	16QAM	1	74	23.58	23.62	23.55			
15	16QAM	36	0	22.43	22.38	22.51			
15	16QAM	36	20	22.43	22.43	22.58	24	2	
15	16QAM	36	24	22.43	22.43	22.58			
15	16QAM	76	0	22.61	22.65	22.68			
15	8QAM	1	37	22.57	22.58	22.60	24	2	
15	8QAM	1	74	22.57	22.58	22.60			
15	8QAM	36	0	21.48	21.38	21.51			
15	8QAM	36	20	21.44	21.44	21.38	23	3	
15	8QAM	36	24	21.44	21.44	21.38			
15	8QAM	76	0	21.42	21.44	21.38			
15	256QAM	1	0	19.80	19.79	19.86			
15	256QAM	1	37	19.80	19.79	19.86	21	5	
15	256QAM	1	74	19.80	19.79	19.84			
15	256QAM	36	0	19.47	19.72	19.71			
15	256QAM	36	20	19.48	19.68	19.68			
15	256QAM	36	24	19.48	19.65	19.52			
15	256QAM	76	0	19.38	19.71	19.44			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.38	24.35	24.45			
10	QPSK	1	25	24.33	24.34	24.45	26	0	
10	QPSK	1	50	24.38	24.38	24.45			
10	QPSK	26	0	23.37	23.38	23.48			
10	QPSK	26	12	23.37	23.37	23.48	25	1	
10	QPSK	26	24	23.37	23.37	23.48			
10	QPSK	50	0	23.41	23.40	23.56			
10	QPSK	50	24	23.41	23.40	23.56			
10	16QAM	1	25	23.79	23.82	23.89	25	1	
10	16QAM	1	50	23.79	23.82	23.87			
10	16QAM	26	0	22.43	22.38	22.52			
10	16QAM	26	12	22.43	22.43	22.52	24	2	
10	16QAM	26	24	22.43	22.43	22.58			
10	16QAM	50	0	22.57	22.67	22.78	24	2	
10	8QAM	1	25	22.67	22.67	22.78	24	2	
10	8QAM	1	50	22.68	22.70	22.78			
10	8QAM	26	0	21.38	21.38	21.51			
10	8QAM	26	12	21.45	21.44	21.60	23	3	
10	8QAM	26	24	21.45	21.43	21.58			
10	8QAM	50	0	21.42	21.38	21.58			
10	256QAM	1	0	19.80	19.80	19.87			
10	256QAM	1	26	19.80	19.79	19.84	21	5	
10	256QAM	1	50	19.80	19.79	19.84			
10	256QAM	26	0	19.52	19.65	19.63			
10	256QAM	26	12	19.52	19.65	19.63			
10	256QAM	26	24	19.52	19.66	19.57			
10	256QAM	50	0	19.43	19.66	19.54			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.38	24.36	24.45			
5	QPSK	1	37	24.38	24.36	24.45	26	0	
5	QPSK	1	69	24.37	24.37	24.45			
5	QPSK	12	0	23.37	23.37	23.48			
5	QPSK	12	6	23.37	23.37	23.48	25	1	
5	QPSK	12	13	23.34	23.33	23.45			
5	QPSK	26	0	23.31	23.30	23.49			
5	16QAM	1	25	23.68	23.68	23.86	25	1	
5	16QAM	1	49	23.68	23.70	23.81			
5	16QAM	1	74	23.70	23.76	23.87	25	1	
5	16QAM	1	24	23.68	23.60	23.79			
5	16QAM	12	0	22.43	22.43	22.55			
5	16QAM	12	7	22.39	22.38	22.56	24	2	
5	16QAM	12	13	22.39	22.39	22.47			
5	16QAM	12	20	22.39	22.39	22.47			
5	16QAM	12	26	22.39	22.39	22.47			
5	8QAM	1	0	22.68	22.68	22.78			
5	8QAM	1	12	22.67	22.69	22.78	24	2	
5	8QAM	1	24	22.67	22.69	22.78			
5	8QAM	12	0	21.47	21.38	21.49			
5	8QAM	12	7	21.37	21.37	21.53	23	3	
5	8QAM	12	13	21.38	21.38	21.49			
5	8QAM	26	0	21.34	21.33	21.51			
5	256QAM	1	0	19.80	19.80	19.87			
5	256QAM	1	26	19.80	19.82	19.82	21	5	
5	256QAM	1	49	19.80	19.80	19.86			
5	256QAM	12	0	19.41	19.72	19.63			
5	256QAM	12	7	19.43	19.62	19.74	21	5	
5	256QAM	12	13	19.38	19.47	19.63			
5	256QAM	26	0	19.37	19.64	19.44			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.38	24.34	24.50			
3	QPSK	1	24	24.38	24.34	24.52	26	0	
3	QPSK	1	14	24.39	24.39	24.46			
3	QPSK	8	0	23.43	23.42	23.53			
3	QPSK	8	24	23.37	23.37	23.47			
3	QPSK	8	7	23.39	23.36	23.46	25	1	
3	QPSK	15	0	23.34	23.34	23.53			
3	QPSK	15	7	23.71	23.72	23.82			
3	16QAM	1	8	23.74	23.77	23.87	25	1	
3	16QAM	1	14	23.60	23.57	23.81			
3	16QAM	8	0	22.68	22.68	22.80			
3	16QAM	8	4	22.49	22.45	22.68	24	2	
3	16QAM	8	7	22.40	22.39	22.58			
3	16QAM	15	0	22.39	22.39	22.58			
3	8QAM	1	0	22.59	22.59	22.75			
3	8QAM	1	8	22.54	22.59	22.78	24	2	
3	8QAM	1	14	22.48	22.42	22.60			
3	8QAM	8	0	21.47	21.44	21.56			
3	8QAM	8	4	21.44	21.42	21.51	23	3	
3	8QAM	15	0	21.34	21.37	21.54			
3	256QAM	1	0	19.79	19.83	19.88	21	5	
3	256QAM	1	14	19.80	19.74	19.39			
3	256QAM	8	0	19.80	19.82	19.86			
3	256QAM	8	4	19.80	19.87	19.88	21	5	
3	256QAM	8	7	19.80	19.86	19.84			
3	256QAM	15	0	19.80	19.86	19.84			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.38	24.36	24.51			
1.4	QPSK	1	24	24.38	24.36	24.51			
1.4	QPSK	1	5	24.21	24.22	24.44	26	0	
1.4	QPSK	3	0	24.35	24.34	24.52			
1.4	QPSK	3	24	24.35	24.33	24.51			
1.4	QPSK	3	7	24.36	24.36	24.47			
1.4	QPSK	6	0	23.29	23.29	23.49	25	1	
1.4	QPSK	6	24	23.29	23.29	23.49			
1.4	QPSK	6	7	23.30	23.29	23.49			
1.4	16QAM	1	5	23.70	23.71	23.86	25	1	
1.4	16QAM	1	14	23.60	23.62	23.81			
1.4	16QAM	3	0	23.63	23.61	23.82			
1.4	16QAM	3	24	23.62	23.62	23.82			
1.4	16QAM	3	7	23.62	23.63	23.82	24	2	
1.4	16QAM	6	0	22.47	22.52	22.73			
1.4	16QAM	6	24	22.47	22.47	22.73			
1.4	16QAM	6	7	22.48	22.43	22.73	24	2	
1.4	8QAM	1	0	22.47	22.43	22.63			
1.4	8QAM	1	14	22.47	22.43	22.63			
1.4	8QAM	3	0	21.43	21.43	21.53			
1.4	8QAM	3	24	21.43	21.43	21.53			
1.4	8QAM	3	7	21.45	21.38	21.54	23	3	
1.4	8QAM	6							



Band 5_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Max./Ch./F.Freq.	Power Avg./Ch./F.Freq.	Time-on air (sec)	MRB (dB)	MRB (dB)			
Channel												
Frequency (MHz)												
16	QPSK	1	0	24.47	24.51	24.58	26	0				
16	QPSK	1	25	24.47	24.52	24.57						
16	QPSK	1	49	24.47	24.58	24.64						
16	QPSK	25	0	23.53	23.60	23.67						
16	QPSK	25	12	23.58	23.63	23.73	25	1				
16	QPSK	25	25	23.58	23.63	23.71						
16	QPSK	50	0	23.59	23.66	23.68						
16	16QAM	1	0	23.58	23.65	23.68						
16	16QAM	1	49	23.62	24.02	24.59	25	1				
16	16QAM	25	0	22.59	22.61	22.71						
16	16QAM	25	12	22.59	22.66	22.71						
16	16QAM	25	25	22.63	22.69	22.78						
16	16QAM	50	0	22.60	22.69	22.71	24	2				
16	16QAM	1	0	22.71	22.74	22.83						
16	16QAM	1	25	22.72	22.83	22.89						
16	16QAM	1	49	22.72	22.83	22.89						
16	16QAM	25	0	21.50	21.61	21.70	23	3				
16	16QAM	25	12	21.67	21.83	21.71						
16	256QAM	1	0	19.82	19.93	19.94						
16	256QAM	1	0	19.82	19.93	19.94						
16	256QAM	1	25	19.81	19.94	19.92	21	5				
16	256QAM	1	49	19.81	19.94	19.92						
16	256QAM	25	0	19.77	19.96	19.93						
16	256QAM	25	12	19.80	19.95	19.93						
16	256QAM	25	25	19.80	19.95	19.93	21	5				
16	256QAM	50	0	19.80	19.95	19.93						
16	256QAM	100	0	19.84	19.97	19.95						
Channel												
Frequency (MHz)												
8	QPSK	1	0	24.41	24.45	24.55				26	0	
8	QPSK	1	12	24.47	24.51	24.60						
8	QPSK	1	24	24.45	24.48	24.52						
8	QPSK	12	0	23.41	23.47	23.58						
8	QPSK	12	7	23.46	23.58	23.64	25	1				
8	QPSK	12	13	23.46	23.53	23.64						
8	QPSK	25	0	23.48	23.53	23.56						
8	QPSK	1	0	23.65	23.61	23.60						
8	16QAM	1	12	23.63	23.62	24.60	25	1				
8	16QAM	1	24	23.78	23.84	23.90						
8	16QAM	12	7	23.63	23.62	24.60						
8	16QAM	12	7	22.53	22.65	22.73						
8	16QAM	12	13	22.51	22.69	22.66	24	2				
8	16QAM	12	13	22.51	22.69	22.66						
8	16QAM	1	0	22.75	22.82	22.80						
8	16QAM	1	12	22.67	22.72	22.84						
8	16QAM	12	13	22.67	22.72	22.84	24	2				
8	16QAM	12	13	22.67	22.72	22.84						
8	16QAM	12	7	21.50	21.58	21.66						
8	16QAM	25	0	21.57	21.51	21.68						
8	256QAM	1	0	19.89	19.91	19.73	21	5				
8	256QAM	1	24	19.58	19.52	19.13						
8	256QAM	12	0	19.72	19.69	19.81						
8	256QAM	12	7	19.65	19.80	19.82						
8	256QAM	12	13	19.65	19.80	19.82	21	5				
8	256QAM	12	13	19.65	19.80	19.82						
8	256QAM	25	0	19.86	19.93	19.95						
8	256QAM	25	0	19.86	19.93	19.95						
Channel												
Frequency (MHz)												
8	QPSK	1	0	24.41	24.48	24.65	26	0				
8	QPSK	1	12	24.46	24.49	24.68						
8	QPSK	1	14	24.39	24.47	24.61						
8	QPSK	8	0	23.54	23.52	23.68						
8	QPSK	8	7	23.51	23.61	23.72	25	1				
8	QPSK	15	0	23.49	23.57	23.62						
8	16QAM	1	8	23.57	23.67	23.77						
8	16QAM	1	8	23.50	23.59	24.14						
8	16QAM	1	14	23.74	23.53	23.69	25	1				
8	16QAM	8	0	22.65	22.72	22.78						
8	16QAM	8	4	22.63	22.72	22.78						
8	16QAM	8	7	22.59	22.68	22.82						
8	16QAM	15	0	22.95	22.90	22.93	24	2				
8	16QAM	1	0	22.62	22.65	22.68						
8	16QAM	1	8	22.69	22.88	22.91						
8	16QAM	1	14	22.77	22.81	22.95						
8	16QAM	8	0	21.58	21.55	21.70	23	3				
8	16QAM	8	4	21.58	21.68	21.72						
8	16QAM	8	7	21.54	21.63	21.76						
8	16QAM	15	0	21.56	21.62	21.68						
8	256QAM	1	0	19.88	19.91	19.98	21	5				
8	256QAM	1	8	19.85	19.77	19.88						
8	256QAM	1	14	19.64	19.60	19.02						
8	256QAM	8	0	19.86	19.95	19.78						
8	256QAM	8	4	19.81	19.81	19.83	21	5				
8	256QAM	8	7	19.36	19.37	19.36						
8	256QAM	15	0	19.84	19.96	19.98						
8	256QAM	15	0	19.84	19.96	19.98						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	24.46	24.49	24.68	26	0				
1.4	QPSK	1	3	24.46	24.53	24.63						
1.4	QPSK	3	0	24.44	24.53	24.63						
1.4	QPSK	3	0	24.46	24.54	24.65						
1.4	QPSK	3	3	24.46	24.57	24.64	25	1				
1.4	QPSK	3	3	24.49	24.57	24.60						
1.4	QPSK	8	0	23.49	23.57	23.68						
1.4	16QAM	1	0	23.51	24.00	24.68						
1.4	16QAM	1	3	23.51	24.08	24.68	25	1				
1.4	16QAM	1	5	23.84	23.97	24.02						
1.4	16QAM	3	0	23.84	23.96	23.84						
1.4	16QAM	3	3	23.88	23.87	23.87						
1.4	16QAM	3	3	23.80	23.84	23.84	24	2				
1.4	16QAM	8	0	22.92	22.98	22.77						
1.4	16QAM	1	0	22.68	22.81	22.96						
1.4	16QAM	1	3	22.68	22.82	22.95						
1.4	16QAM	1	5	22.64	22.77	22.82	24	2				
1.4	16QAM	3	0	22.54	22.81	22.84						
1.4	16QAM	3	3	22.70	22.69	22.88						
1.4	16QAM	8	0	22.80	22.68	22.78						
1.4	16QAM	6	0	21.53	21.58	21.74	23	3				
1.4	256QAM	1	0	19.81	19.82	19.88						
1.4	256QAM	1	3	19.74	19.83	19.80						
1.4	256QAM	1	5	19.89	19.89	19.11						
1.4	256QAM	3	0	19.74	19.84	19.82	21	5				
1.4	256QAM	3	3	19.86	19.92	19.78						
1.4	256QAM	3	3	19.73	19.76	19.85						
1.4	256QAM	6	0	19.67	19.82	19.86						

Band 5_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./F.Freq.	Power Max./Ch./F.Freq.	Power Avg./Ch./F.Freq.	Time-on air (sec)	MRB (dB)	MRB (dB)
Channel									
Frequency (MHz)									
16	QPSK	1	0	24.47	24.51	24.58	26	0	
16	QPSK	1	25	24.48	24.52	24.58			
16	QPSK	1	49	24.47	24.51	24.58	26	1	
16	QPSK	25	0	23.53	23.60	23.67			
16	QPSK	25	12	24.52	24.53	24.57	26	1	
16	QPSK	25	25	24.49	24.50	24.54			
16	QPSK	50	0	23.56	23.66	23.68	26	1	
16	QPSK	50	25	23.58	23.69	23.68			
16	QPSK	25	0	22.63	22.69	22.71	24	2	
16	QPSK	25	12	22.65	22.69	22.71			
16	QPSK	25	25	22.63	22.68	22.76	24	2	
16	QPSK	50	0	22.71	22.74	22.74			
16	QPSK	1	26	22.72	22.83	22.86	24	2	
16	QPSK	1	51	22.73	22.84	22.86			
16	QPSK	25	12	21.67	21.69	21.71	23	3	
16	QPSK	25	25	21.68	21.68	21.74			
16	QPSK	50	0	21.67	21.67	21.73	23	3	
16	QPSK	50	25	18.52	18.53	18.59			
16	QPSK	1	25	18.51	18.54	18.62	21	5	
16	QPSK	1	50	18.56	18.59	18.61			
16	QPSK	25	0	18.77	18.96	18.93	21	5	
16	QPSK	25	12	18.58	18.52	18.58			
16	QPSK	25	25	18.47	18.47	18.53	21	5	
16	QPSK	50	0	18.84	18.97	18.96			
Channel				29425	29500	29500	Time-on air (sec)	MRB (dB)	MRB (dB)
Frequency (MHz)				29425	29500	29500			
5	QPSK	1	0	24.41	24.48	24.55	26	0	
5	QPSK	1	12	24.47	24.51	24.58			
5	QPSK	1	49	24.47	24.51	24.58	26	1	
5	QPSK	12	0	23.41	23.47	23.47			
5	QPSK	12	7	23.49	23.56	23.64	26	1	
5	QPSK	12	19	23.53	23.53	23.59			
5	QPSK	25	0	23.48	23.53	23.58	26	1	
5	QPSK	25	12	23.49	23.51	23.56			
5	QPSK	25	19	23.52	23.53	23.59	26	1	
5	QPSK	50	0	23.48	23.53	23.58			
5	QPSK	50	12	23.49	23.54	23.62	24	2	
5	QPSK	50	19	23.52	23.58	23.66			
5	QPSK	25	0	22.49	22.58	22.68	24	2	
5	QPSK	25	12	22.49	22.58	22.68			
5	QPSK	1	12	22.67	22.72	22.84	24	2	
5	QPSK	1	24	22.62	22.74	22.86			
5	QPSK	1	49	22.62	22.74	22.86	23	3	
5	QPSK	12	7	21.50	21.58	21.67			
5	QPSK	12	19	21.52	21.57	21.63	23	3	
5	QPSK	25	0	21.56	21.54	21.58			
5	QPSK	25	12	19.90	19.91	19.78	19	6	
5	QPSK	25	19	19.92	19.92	19.81			
5	QPSK	50	0	19.92	20.09	19.81	21	5	
5	QPSK	50	12	19.72	20.09	19.81			
5	QPSK	50	19	19.85	19.95	19.93	21	5	
5	QPSK	25	0	19.86	20.03	19.95			
Channel				56515	56515	56515	Time-on air (sec)	MRB (dB)	MRB (dB)
Frequency (MHz)				56515	56515	56515			
3	QPSK	1	0	24.41	24.48	24.55	26	0	
3	QPSK	1	12	24.47	24.51	24.58			
3	QPSK	1	19	23.49	23.47	23.47	26	1	
3	QPSK	8	0	23.54	23.52	23.68			
3	QPSK	8	8	23.52	23.52	23.61	26	1	
3	QPSK	8	19	23.51	23.51	23.72			
3	QPSK	16	0	23.49	23.57	23.63	26	1	
3	QPSK	16	8	23.48	23.57	23.63			
3	QPSK	1	0	23.56	23.59	24.14	26	1	
3	QPSK	1	14	23.74	23.73	23.99			
3	QPSK	1	49	23.74	23.73	23.99	24	2	
3	QPSK	8	4	22.63	22.72	22.78			
3	QPSK	8	7	22.59	22.69	22.82	24	2	
3	QPSK	8	19	22.69	22.68	22.82			
3	QPSK	1	0	22.62	22.65	22.65	23	3	
3	QPSK	1	8	21.58	21.58	21.71			
3	QPSK	8	4	21.58	21.66	21.72	23	3	
3	QPSK	8	19	21.62	21.62	21.74			
3	QPSK	16	0	21.55	21.62	21.69	21	5	
3	QPSK	16	8	18.68	18.65	18.65			
3	QPSK	16	19	18.67	18.65	18.67	21	5	
3	QPSK	25	0	20.44	20.45	20.50			
3	QPSK	25	12	20.41	20.45	20.50	21	5	
3	QPSK	25	19	20.41	20.45	20.50			
3	QPSK	50	0	20.71	20.81	20.82	21	5	
3	QPSK	50	7	19.90	19.97	19.98			
3	QPSK	50	12	19.97	19.97	19.98	21	5	
3	QPSK	50	19	19.97	19.97	19.98			
Channel				56565	56565	56565	Time-on air (sec)	MRB (dB)	MRB (dB)
Frequency (MHz)				56565	56565	56565			
14	QPSK	1	0	24.40	24.48	24.50	26	0	
14	QPSK	1	12	24.48	24.53	24.53			
14	QPSK	1	39	24.44	24.53	24.53	26	1	
14	QPSK	1	51	24.46	24.54	24.54			
14	QPSK	3	0	24.45	24.53	24.54	26	1	
14	QPSK	3	3	24.40	24.57	24.58			
14	QPSK	1	0	23.91	24.00	24.05	25	1	
14	QPSK	1	3	23.91	24.08	24.08			
14	QPSK	3	0	23.93	24.03	24.03	25	1	
14	QPSK	3	3	23.84	24.04	24.04			
14	QPSK	3	9	23.88	23.87	23.87	24	2	
14	QPSK	3	12	23.84	23.84	23.84			
14	QPSK	6	0	22.52	22.68	22.77	24	2	
14	QPSK	6	3	22.68	22.81	22.93			
14	QPSK	6	9	22.62	22.82	22.82	24	2	
14	QPSK	6	12	22.64	22.77	22.82			
14	QPSK	3	0	22.54	22.61	22.64	24	2	
14	QPSK	3	3	22.52	22.62	22.62			
14	QPSK	6	0	22.65	22.68	22.78	24	3	
14	QPSK	6	3	21.53	21.58	21.74			
14	QPSK	6	9	21.54	21.54	21.75	21	5	
14	QPSK	6	12	18.62	18.62	18.62			
14	QPSK	3	0	18.62	18.62	18.62	21	5	
14	QPSK	3	3	18.62	18.62	18.62			
14	QPSK	6	0	18.67	18.62	18.68	21	5	
14	QPSK	6	3	18.67	18.62	18.68			



Band 12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./Freq.	Power Lvl Ch./Freq.	Power Lvl Ch./Freq.	Time-use int. (dB)	MRP (dB)	
Channel									
Frequency (MHz)				761.5	767.5	771.5			
10	QPSK	1	0	24.09	24.07	24.13			
10	QPSK	1	25	24.10	24.10	24.12			
10	QPSK	1	49	24.22	24.22	24.36			
10	QPSK	25	0	23.16	23.17	23.23			
10	QPSK	25	12	23.20	23.21	23.28			
10	QPSK	25	25	23.25	23.26	23.30			
10	QPSK	50	0	23.25	23.26	23.30			
10	16QAM	1	25	23.36	23.36	23.43			
10	16QAM	1	25	23.38	23.34	23.63			
10	16QAM	1	49	23.71	23.70	23.70			
10	16QAM	25	0	22.29	22.29	22.30			
10	16QAM	25	12	22.29	22.31	22.31			
10	16QAM	25	25	22.26	22.30	22.40			
10	16QAM	50	0	22.26	22.29	22.30			
10	16QAM	1	0	22.30	22.32	22.42			
10	16QAM	1	25	22.44	22.47	22.50			
10	16QAM	25	0	21.38	21.21	21.24			
10	16QAM	25	12	21.27	21.30	21.29			
10	16QAM	25	25	21.26	21.30	21.38			
10	16QAM	50	0	21.26	21.29	21.38			
10	256QAM	1	0	19.24	19.41	19.30			
10	256QAM	1	25	19.40	19.43	19.41			
10	256QAM	1	49	19.42	19.48	19.27			
10	256QAM	25	0	19.48	19.38	19.37			
10	256QAM	25	12	19.47	19.40	19.37			
10	256QAM	25	25	19.38	19.44	19.48			
10	256QAM	50	0	19.42	19.38	19.18			
Channel									
Frequency (MHz)				767.5	767.5	771.5			
0	QPSK	1	0	24.16	24.13	24.28			
0	QPSK	1	12	24.24	24.27	24.33			
0	QPSK	1	24	24.30	24.23	24.30			
0	QPSK	12	0	23.18	23.18	23.28			
0	QPSK	12	7	23.26	23.27	23.38			
0	QPSK	12	13	23.32	23.24	23.30			
0	QPSK	25	0	23.22	23.24	23.36			
0	16QAM	1	0	23.46	23.48	23.63			
0	16QAM	1	12	23.60	23.63	23.74			
0	16QAM	1	24	23.58	23.55	23.68			
0	16QAM	12	7	22.31	22.32	22.45			
0	16QAM	12	13	22.28	22.30	22.41			
0	16QAM	25	0	22.27	22.44	22.60			
0	16QAM	1	12	22.49	22.51	22.60			
0	16QAM	1	24	22.59	22.63	22.66			
0	16QAM	12	0	21.19	21.23	21.32			
0	16QAM	12	7	21.30	21.32	21.41			
0	16QAM	12	13	21.28	21.30	21.40			
0	16QAM	25	0	21.25	21.28	21.37			
0	256QAM	1	0	19.16	19.34	19.42			
0	256QAM	1	12	19.47	19.48	19.29			
0	256QAM	12	0	19.49	19.29	19.28			
0	256QAM	12	7	19.36	19.42	19.47			
0	256QAM	12	13	19.38	19.47	19.48			
0	256QAM	25	0	19.24	19.30	19.37			
Channel									
Frequency (MHz)				767.5	767.5	771.5			
0	QPSK	1	0	24.10	24.16	24.28			
0	QPSK	1	12	24.22	24.24	24.31			
0	QPSK	1	14	24.09	24.12	24.25			
0	QPSK	8	0	23.26	23.21	23.32			
0	QPSK	8	7	23.24	23.26	23.40			
0	QPSK	8	7	23.20	23.23	23.36			
0	QPSK	15	0	23.20	23.24	23.28			
0	16QAM	1	8	23.33	23.48	23.66			
0	16QAM	1	8	23.39	23.64	23.76			
0	16QAM	1	14	23.47	23.53	23.60			
0	16QAM	8	4	22.31	22.37	22.49			
0	16QAM	8	4	22.34	22.37	22.49			
0	16QAM	8	7	22.52	22.52	22.48			
0	16QAM	15	0	19.26	19.30	19.33			
0	16QAM	1	0	22.43	22.42	22.51			
0	16QAM	1	8	22.44	22.51	22.62			
0	16QAM	1	14	22.56	22.43	22.50			
0	16QAM	8	0	21.27	21.24	21.38			
0	16QAM	8	4	21.33	21.29	21.45			
0	16QAM	8	7	21.22	21.27	21.42			
0	16QAM	15	0	21.26	21.26	21.33			
0	256QAM	1	0	19.28	19.36	19.35			
0	256QAM	1	8	19.48	19.41	19.60			
0	256QAM	1	14	19.31	19.28	19.36			
0	256QAM	8	0	19.40	19.35	19.37			
0	256QAM	8	4	19.34	19.51	19.30			
0	256QAM	8	7	19.21	19.34	19.52			
0	256QAM	15	0	19.24	19.16	19.60			
Channel									
Frequency (MHz)				660.7	767.5	771.5			
1.4	QPSK	1	0	24.17	24.16	24.31			
1.4	QPSK	1	3	24.18	24.20	24.30			
1.4	QPSK	1	5	24.12	24.15	24.30			
1.4	QPSK	3	0	24.23	24.22	24.29			
1.4	QPSK	3	1	24.23	24.26	24.38			
1.4	QPSK	3	3	24.19	24.22	24.35			
1.4	QPSK	6	0	23.18	23.20	23.27			
1.4	16QAM	1	0	23.57	23.53	23.74			
1.4	16QAM	1	3	23.63	23.57	23.76			
1.4	16QAM	1	5	23.61	23.58	23.68			
1.4	16QAM	3	0	23.38	23.40	23.51			
1.4	16QAM	3	1	23.46	23.38	23.54			
1.4	16QAM	3	3	23.33	23.38	23.51			
1.4	16QAM	6	0	22.30	22.27	22.37			
1.4	16QAM	1	0	22.47	22.34	22.58			
1.4	16QAM	1	3	22.41	22.42	22.63			
1.4	16QAM	1	5	22.41	22.42	22.48			
1.4	16QAM	3	0	22.37	22.37	22.48			
1.4	16QAM	3	1	22.34	22.52	22.51			
1.4	16QAM	3	3	22.29	22.35	22.50			
1.4	16QAM	6	0	21.23	21.23	21.34			
1.4	256QAM	1	0	19.15	19.48	19.27			
1.4	256QAM	1	3	19.06	19.57	19.50			
1.4	256QAM	1	5	19.22	19.41	19.23			
1.4	256QAM	3	0	19.34	19.20	19.21			
1.4	256QAM	3	1	19.20	19.26	19.43			
1.4	256QAM	3	3	19.23	19.35	19.30			
1.4	256QAM	6	0	19.22	19.50	19.21			

Band 12_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./Freq.	Power Lvl Ch./Freq.	Power Lvl Ch./Freq.	Time-use (dB)	MRP (dB)	
Channel									
Frequency (MHz)				761.5	767.5	771.5			
10	QPSK	1	0	24.09	24.07	24.13			
10	QPSK	1	12	24.10	24.21	24.28			
10	QPSK	1	24	24.10	24.21	24.28			26
10	QPSK	12	0	23.16	23.17	23.23			
10	QPSK	12	7	23.22	23.24	23.30			
10	QPSK	25	0	23.25	23.29	23.30			25
10	QPSK	1	0	23.26	23.28	23.38			
10	QPSK	1	12	23.26	23.28	23.38			
10	16QAM	1	24	23.58	23.54	23.63			
10	16QAM	1	48	23.71	23.70	23.79			
10	16QAM	12	0	22.30	22.30	22.25			24
10	16QAM	12	12	22.29	22.31	22.37			
10	16QAM	25	0	22.28	22.30	22.40			
10	16QAM	1	12	22.44	22.47	22.51			2
10	16QAM	1	0	22.36	22.32	22.42			
10	16QAM	1	24	22.44	22.47	22.51			24
10	16QAM	12	7	21.27	21.31	21.28			
10	16QAM	25	0	21.26	21.30	21.38			23
10	16QAM	1	12	21.30	21.32	21.41			
10	256QAM	1	0	19.24	19.31	19.35			
10	256QAM	1	12	19.63	19.53	19.61			21
10	256QAM	1	24	19.62	19.61	19.62			
10	256QAM	12	0	19.48	19.38	19.40			
10	256QAM	12	7	19.38	19.40	19.36			21
10	256QAM	12	13	19.44	19.48	19.46			
10	256QAM	25	0	19.42	19.42	19.38			
Channel									
Frequency (MHz)				761.5	767.5	771.5	Time-use (dB)	MRP (dB)	
5	QPSK	1	0	24.15	24.13	24.26			
5	QPSK	1	12	24.24	24.27	24.30			0
5	QPSK	1	24	24.20	24.23	24.30			
5	QPSK	12	0	23.18	23.18	23.28			
5	QPSK	12	7	23.26	23.27	23.38			
5	QPSK	12	13	23.32	23.24	23.30			
5	QPSK	25	0	23.22	23.24	23.36			
5	16QAM	1	0	23.46	23.48	23.63			
5	16QAM	1	12	23.60	23.63	23.74			25
5	16QAM	1	24	23.58	23.55	23.68			
5	16QAM	12	7	22.31	22.32	22.45			24
5	16QAM	12	13	22.28	22.30	22.41			
5	16QAM	25	0	22.27	22.44	22.60			
5	16QAM	1	12	22.49	22.51	22.60			
5	16QAM	1	24	22.59	22.63	22.66			
5	16QAM	12	0	21.19	21.23	21.32			21
5	16QAM	12	7	21.30	21.32	21.41			
5	16QAM	12	13	21.28	21.30	21.40			23
5	16QAM	25	0	21.25	21.28	21.37			
5	256QAM	1	0	19.16	19.34	19.42			
5	256QAM	1	12	19.47	19.48	19.29			21
5	256QAM	12	0	19.49	19.29	19.28			
5	256QAM	12	7	19.36	19.42	19.47			21
5	256QAM	12	13	19.38	19.47	19.48			
5	256QAM	25	0	19.24	19.30	19.37			
Channel									
Frequency (MHz)				767.5	767.5	771.5	Time-use (dB)	MRP (dB)	
3	QPSK	1	0	24.10	24.16	24.28			
3	QPSK	1	12	24.22	24.25	24.33			26
3	QPSK	1	14	24.09	24.12	24.20			
3	QPSK	3	0	23.26	23.21	23.32			
3	QPSK	3	1	23.26	23.28	23.43			
3	QPSK	6	0	23.20	23.23	23.36			
3	QPSK	15	0	23.20	23.24	23.38			
3	16QAM	1	0	23.46	23.48	23.63			
3	16QAM	1	8	23.58	23.64	23.76			26
3	16QAM	1	16	23.47	23.53	23.60			
3	16QAM	3	0	22.30	22.30	22.41			
3	16QAM	3	1	22.34	22.32	22.43			22
3	16QAM	6	0	22.23	22.32	22.37			
3	16QAM	1	8	22.44	22.51	22.56			24
3	16QAM	1	16	22.54	22.61	22.67			
3	16QAM	3	0	21.27	21.24	21.30			
3	16QAM	3	1	21.27	21.29	21.40			
3	16QAM	6	0	21.22	21.27	21.42			23
3	16QAM	15	0	21.26	21.26	21.32			
3	256QAM	1	0	19.16	19.30	19.36			
3	256QAM	1	8	19.49	19.41	19.66			21
3	256QAM	1	16	19.51	19.28	19.38			
3	256QAM	3	0	19.34	19.34	19.45			21
3	256QAM	3	1	19.34	19.37	19.39			
3	256QAM	6	0	19.34	19.31	19.39			
3	256QAM	8	7	19.21	19.34	19.32			
3	256QAM	15	0	19.15	19.20	19.25			
Channel									
Frequency (MHz)				767.7	767.5	771.5	Time-use (dB)	MRP (dB)	
1.4	QPSK	1	0	24.15	24.16	24.31			
1.4	QPSK	1	5	24.12	24.15	24.30			26
1.4	QPSK	1	10	24.22	24.24	24.34			
1.4	QPSK	3	0	24.23	24.25	24.29			
1.4	QPSK	3	3	24.19	24.22	24.35			
1.4	QPSK	6	0	23.18	23.20	23.27			
1.4	16QAM	1	0	23.57	23.53	23.74			
1.4	16QAM	1	3	23.63	23.57	23.76			
1.4	16QAM	1	6	23.61	23.58	23.68			
1.4	16QAM	3	0	23.38	23.40	23.51			
1.4	16QAM	3	1	23.40	23.38	23.54			
1.4	16QAM	3	3	23.37	23.37	23.51			24
1.4	16QAM	6	0	22.30	22.30	22.37			24
1.4	16QAM	6	3	22.29	22.33	22.50			
1.4	16QAM	9	0	21.23	21.23	21.34			23
1.4	16QAM	9	3	21.49	21.50	21.61			
1.4	256QAM	1	0	19.66	19.57	19.59			
1.4	256QAM	1	5	19.62	19.61	19.29			21
1.4	256QAM	1	10	19.24	19.29	19.21			
1.4	256QAM	3	1	19.22	19.26	19.43			
1.4	256QAM	3	3	19.24	19.24	19.35			
1.4	256QAM	6	0	19.22	19.20	19.21			21



Band 17_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./Freq.	Power Lvl Mn./Freq.	Power Lvl Pp./Freq.	Time-int (sec)	MFR (dB)	
Channel									
Frequency (MHz)				700	710	711			
10	QPSK	1	0	24.07	24.10	24.10			
10	QPSK	1	20	24.20	24.22	24.22	20	0	
10	QPSK	1	40	24.28	24.30	24.32			
10	QPSK	25	0	23.21	23.21	23.28			
10	QPSK	25	12	23.21	23.21	23.28			
10	QPSK	25	25	23.27	23.29	23.32	25	1	
10	QPSK	50	0	23.28	23.22	23.30			
10	16QAM	1	0	23.96	23.93	23.98			
10	16QAM	1	20	23.95	23.86	23.97	25	1	
10	16QAM	1	40	23.71	23.71	23.75			
10	16QAM	25	0	22.91	22.95	22.98			
10	16QAM	25	12	22.95	22.98	23.03	24	2	
10	16QAM	25	25	22.91	22.93	22.98			
10	16QAM	50	0	22.92	22.94	22.97			
10	64QAM	1	0	22.91	22.91	22.91	24	2	
10	64QAM	1	20	22.46	22.47	22.51			
10	64QAM	25	0	21.99	21.94	21.97			
10	64QAM	25	12	21.94	21.98	21.92	23	3	
10	64QAM	25	25	21.96	21.99	21.99			
10	64QAM	50	0	21.96	21.93	21.97			
10	256QAM	1	0	19.37	19.32	19.43			
10	256QAM	1	20	19.38	19.35	19.35	21	5	
10	256QAM	1	40	19.47	19.42	19.51			
10	256QAM	25	0	19.31	19.35	19.39			
10	256QAM	25	12	19.44	19.48	19.42			
10	256QAM	25	25	19.31	19.31	19.34	21	5	
10	256QAM	50	0	19.39	19.38	19.39			

Band 17_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./Freq.	Power Lvl Mn./Freq.	Power Lvl Pp./Freq.	Time-int (sec)	MFR (dB)	
Channel									
Frequency (MHz)				700	710	711			
10	QPSK	1	0	24.07	24.10	24.10			
10	QPSK	1	20	24.20	24.22	24.22	20	0	
10	QPSK	1	40	24.28	24.30	24.32			
10	QPSK	25	0	23.21	23.21	23.28			
10	QPSK	25	12	23.21	23.21	23.28			
10	QPSK	25	25	23.27	23.29	23.32	25	1	
10	QPSK	50	0	23.28	23.22	23.30			
10	16QAM	1	0	23.96	23.93	23.98			
10	16QAM	1	20	23.95	23.86	23.97	25	1	
10	16QAM	1	40	23.71	23.71	23.75			
10	16QAM	25	0	22.91	22.95	22.98			
10	16QAM	25	12	22.95	22.98	23.03	24	2	
10	16QAM	25	25	22.91	22.93	22.98			
10	16QAM	50	0	22.92	22.94	22.97			
10	64QAM	1	0	22.91	22.91	22.91	24	2	
10	64QAM	1	20	22.46	22.47	22.51			
10	64QAM	25	0	21.99	21.94	21.97			
10	64QAM	25	12	21.94	21.98	21.92	23	3	
10	64QAM	25	25	21.96	21.99	21.99			
10	64QAM	50	0	21.96	21.93	21.97			
10	256QAM	1	0	19.37	19.32	19.43			
10	256QAM	1	20	19.38	19.35	19.35	21	5	
10	256QAM	1	40	19.47	19.42	19.51			
10	256QAM	25	0	19.31	19.35	19.39			
10	256QAM	25	12	19.44	19.48	19.42			
10	256QAM	25	25	19.31	19.31	19.34	21	5	
10	256QAM	50	0	19.39	19.38	19.39			

Band 25_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./Freq.	Power Lvl Mn./Freq.	Power Lvl Pp./Freq.	Time-int (sec)	MFR (dB)	
Channel									
Frequency (MHz)				1800	1800	1800			
20	QPSK	1	0	24.44	24.47	24.50			
20	QPSK	1	40	24.45	24.45	24.45	20	0	
20	QPSK	1	80	24.35	24.44	24.46			
20	QPSK	50	0	23.47	23.52	23.53			
20	QPSK	50	12	23.47	23.52	23.53	25	1	
20	QPSK	50	25	23.49	23.55	23.58			
20	QPSK	100	0	23.51	23.58	23.60			
20	16QAM	1	0	23.98	23.97	23.98			
20	16QAM	1	40	23.83	23.91	23.97	25	1	
20	16QAM	1	80	23.69	23.69	23.78			
20	16QAM	100	0	22.92	22.98	22.92			
20	16QAM	100	24	22.92	22.98	22.92	24	2	
20	16QAM	50	24	22.96	22.92	22.94			
20	16QAM	50	24	22.90	22.98	22.92			
20	16QAM	100	0	22.92	22.98	22.92	24	2	
20	64QAM	1	40	22.77	22.89	22.89			
20	64QAM	50	0	21.40	21.56	21.56			
20	64QAM	50	24	21.56	21.62	21.64	23	3	
20	64QAM	50	24	21.50	21.58	21.61			
20	64QAM	100	0	21.52	21.58	21.62			
20	256QAM	1	0	19.78	19.59	19.59			
20	256QAM	1	40	19.46	19.46	19.46	21	5	
20	256QAM	1	80	19.46	19.52	19.54			
20	256QAM	50	0	19.54	19.57	19.58			
20	256QAM	50	12	19.54	19.58	19.52			
20	256QAM	50	24	19.58	19.58	19.51	21	5	
20	256QAM	100	0	19.63	19.63	19.62			

Band 25_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./Freq.	Power Lvl Mn./Freq.	Power Lvl Pp./Freq.	Time-int (sec)	MFR (dB)	
Channel									
Frequency (MHz)				1800	1800	1800			
20	QPSK	1	0	24.44	24.47	24.50			
20	QPSK	1	40	24.45	24.45	24.45	20	0	
20	QPSK	1	80	24.35	24.44	24.46			
20	QPSK	50	0	23.47	23.52	23.53			
20	QPSK	50	12	23.47	23.52	23.53	25	1	
20	QPSK	50	25	23.49	23.55	23.58			
20	QPSK	100	0	23.51	23.58	23.60			
20	16QAM	1	0	23.98	23.97	23.98			
20	16QAM	1	40	23.83	23.91	23.97	25	1	
20	16QAM	1	80	23.69	23.69	23.78			
20	16QAM	100	0	22.92	22.98	22.92			
20	16QAM	100	24	22.92	22.98	22.92	24	2	
20	16QAM	50	24	22.96	22.92	22.94			
20	16QAM	50	24	22.90	22.98	22.92			
20	16QAM	100	0	22.92	22.98	22.92	24	2	
20	64QAM	1	40	22.77	22.89	22.89			
20	64QAM	50	0	21.40	21.56	21.56			
20	64QAM	50	24	21.56	21.62	21.64	23	3	
20	64QAM	50	24	21.50	21.58	21.61			
20	64QAM	100	0	21.52	21.58	21.62			
20	256QAM	1	0	19.78	19.59	19.59			
20	256QAM	1	40	19.46	19.46	19.46	21	5	
20	256QAM	1	80	19.46	19.52	19.54			
20	256QAM	50	0	19.54	19.57	19.58			
20	256QAM	50	12	19.54	19.58	19.52			
20	256QAM	50	24	19.58	19.58	19.51	21	5	
20	256QAM	100	0	19.63	19.63	19.62			

Channel									
Frequency (MHz)				1800	1800	1910	Time-int (sec)	MFR (dB)	
10	QPSK	1	0	24.37	24.43	24.45			
10	QPSK	1	20	24.37	24.41	24.45	20	0	
10	QPSK	1	40	24.30	24.40	24.45			
10	QPSK	25	0	23.39	23.48	23.51			
10	QPSK	25	12	23.39	23.48	23.51	25	1	
10	QPSK	25	25	23.44	23.53	23.58			
10	QPSK	50	0	23.46	23.54	23.57			
10	16QAM	1	40	23.74	23.88	23.94	25	1	
10	16QAM	1	80	23.62	23.75	23.82			
10	16QAM	25	12	22.49	22.57	22.63	24	2	
10	16QAM	25	25	22.47	22.55	22.60			
10	16QAM	50	0	22.65	22.67	22.68			
10	16QAM	1	25	22.89	22.78	22.78	24	2	
10	16QAM	1	50	22.76	22.76	22.71			
10	16QAM	25	0	21.41	21.48	21.52			
10	16QAM	25	12	21.47	21.58	21.61	23	3	
10	16QAM	25	25	21.46	21.54	21.57			
10	16QAM	50	0	21.47	21.58	21.61			
10	256QAM	1	0	19.67	19.52	19.57			
10	256QAM	1	12	19.52	19.57	19.53	21	5	
10	256QAM	1	40	19.79	19.76	19.68			
10	256QAM	25	0	19.54	19.58	19.45			
10	256QAM	25	12	19.68	19.71	19.63	21	5	
10	256QAM	25	25	19.62	19.60	19.55			
10	256QAM	50	0	19.76	19.57	19.41			

Channel									
Frequency (MHz)				1800	1800	1910	Time-int (sec)	MFR (dB)	
10	QPSK	1	0	24.37	24.43	24.45			
10	QPSK	1	24	24.37	24.47	24.47	26	0	
10	QPSK	12	24	24.38	24.48	24.48			
10	QPSK	12	24	24.39	24.48	24.48			
10	QPSK	12	24	24.39	24.48	24.51			
10	QPSK	12	24	24.38	24.56	23.87	26	1	
10	QPSK	12	24	24.38	24.56	23.87			
10	QPSK	60	0	23.46	23.54	23.57			
10	QPSK	60	0	23.72	23.84	23.85			
10	QPSK	60	0	23.72	23.78	23.84			
10	QPSK	60	0	23.74	23.86	23.86	26	2	
10	QPSK	1	49	23.74	23.86	23.84			
10	QPSK	20	0	22.42	22.48	22.53			
10	QPSK	20	0	22.47	22.53	22.53			
10	QPSK	20	0	22.47	22.55	22.60	24	2	
10	QPSK	50	0	22.47	22.56	22.59			
10	QPSK	50	0	22.47	22.57	22.59			
10	QPSK	1	49	22.60	22.76	22.78	24	2	
10	QPSK	1	49	22.58	22.70	22.71			
10	QPSK	12	24	21.46	21.56	21.56			
10	QPSK	12	24	21.47	21.58	21.51	23	3	
10	QPSK	20	0	21.46	21.54	21.56			
10	QPSK	20	0	21.46	21.57	21.57			
10	QPSK	50	0	19.87	19.92	19.77			
10	QPSK	50	1	19.52	19.76	19.83	21	5	
10	QPSK	70	0	19.54	19.56	19.43			
10	QPSK	70	0	19.54	19.58	19.43			
10	QPSK	20	12	18.68	19.27	19.44	21	5	
10	QPSK	20	12	18.68	19.27	19.44			
10	QPSK	50	0	19.76	19.97	19.68			
Channel									
Frequency (MHz)				2600	2630	2695	Time-int (sec)	MFR (dB)	
5	QPSK	1	0	24.34	24.45	24.44			
5	QPSK	1	12	24.34	24.46	24.48			
5	QPSK	1	24	24.34	24.45	24.48	26	0	
5	QPSK	12	24	24.34	24.45	24.48			
5	QPSK	12	7	23.39	23.44	23.52			
5	QPSK	12	13	23.37	23.47	23.51	26	1	
5	QPSK	12	24	23.38	23.47	23.51			
5	QPSK	1	0	23.68	23.79	23.75			
5	QPSK	12	13	23.75	23.85	23.81	26	2	
5	QPSK	12	24	23.85	23.91	23.85			
5	QPSK	12	0	22.43	22.51	22.47			
5	QPSK	12	7	22.44	22.53	22.58	24	2	
5	QPSK	12	13	22.41	22.49	22.49			
5	QPSK	20	0	22.40	22.50	22.52			
5	QPSK	20	0	22.61	22.72	22.64			
5	QPSK	20	0	22.62	22.73	22.65	24	2	
5	QPSK	1	24	22.60	22.67	22.65			
5	QPSK	12	0	21.42	21.47	21.49			
5	QPSK	12	0	21.42	21.45	21.53	24	2	
5	QPSK	12	13	21.37	21.46	21.50			
5	QPSK	20	0	21.37	21.49	21.53			
5	QPSK	20	0	21.33	21.45	21.49			
5	QPSK	12	12	19.51	19.61	19.51	21	5	
5	QPSK	12	12	19.66	19.71	19.77			
5	QPSK	12	13	19.54	19.63	19.63			
5	QPSK	12	7	19.67	19.66	19.62	21	5	
5	QPSK	12	13	19.49	19.49	19.49			
5	QPSK	20	0	19.49	19.52	19.40			



Band 26_Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Power Ref.	Power Ch./Power Ref.	Power Ch./Power Ref.	Time-use int. (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	24.43	24.42	24.57	26	0						
15	QPSK	1	37	24.43	24.43	24.57								
15	QPSK	1	74	24.42	24.34	24.63								
15	QPSK	36	0	23.47	23.52	23.68								
15	QPSK	36	25	23.47	23.52	23.72								
15	QPSK	36	50	23.43	23.44	23.72			25	1				
15	QPSK	75	0	23.43	23.59	23.68								
15	16QAM	1	0	23.76	23.77	23.82								
15	16QAM	1	37	23.59	23.56	24.00								
15	16QAM	1	74	23.64	23.60	23.68								
15	16QAM	36	0	22.69	22.55	22.68								
15	16QAM	36	25	22.69	22.61	22.73	24	2						
15	16QAM	36	50	22.66	22.66	22.73								
15	16QAM	75	0	22.69	22.59	22.67								
15	16QAM	1	0	22.69	22.72	22.67	24	2						
15	16QAM	1	37	22.76	22.60	22.67								
15	16QAM	36	0	21.69	21.52	21.68	23	3						
15	16QAM	36	25	21.61	21.57	21.77								
15	16QAM	75	0	21.64	21.58	21.68								
15	16QAM	75	5	21.66	21.66	21.77								
15	25QAM	1	0	19.57	19.69	19.63	21	5						
15	25QAM	1	37	19.57	19.69	19.63								
15	25QAM	1	74	19.72	19.83	19.71								
15	25QAM	36	0	19.57	19.61	19.70								
15	25QAM	36	25	19.60	19.57	19.69								
15	25QAM	36	50	19.57	19.71	19.64	21	5						
15	25QAM	75	0	19.70	19.62	19.61								
Channel														
Frequency (MHz)														
10	QPSK	1	0	24.28	24.42	24.57	26	0						
10	QPSK	1	25	24.35	24.48	24.63								
10	QPSK	1	49	24.34	24.49	24.63								
10	QPSK	25	0	23.34	23.54	23.62								
10	QPSK	25	12	23.45	23.52	23.64	25	1						
10	QPSK	25	12	23.40	23.57	23.67								
10	QPSK	50	0	23.41	23.50	23.70								
10	16QAM	1	0	23.63	23.64	23.61	25	1						
10	16QAM	1	25	23.69	23.58	23.64								
10	16QAM	1	49	23.79	24.00	24.08	24	2						
10	16QAM	25	0	22.45	22.54	22.67								
10	16QAM	25	12	22.45	22.62	22.69	24	2						
10	16QAM	25	12	22.47	22.62	22.69								
10	16QAM	50	0	22.46	22.68	22.63	24	2						
10	16QAM	1	0	22.59	22.75	22.60								
10	16QAM	1	25	22.59	22.66	22.66	23	3						
10	16QAM	25	0	21.34	21.54	21.60								
10	16QAM	25	12	21.46	21.57	21.65	23	3						
10	16QAM	50	0	21.43	21.54	21.71								
10	25QAM	1	0	19.57	19.66	19.61	21	5						
10	25QAM	1	49	19.61	19.70	19.61								
10	25QAM	25	0	19.45	19.64	19.51	21	5						
10	25QAM	25	12	19.45	19.64	19.51								
10	25QAM	25	12	19.46	19.70	19.68	21	5						
10	25QAM	25	12	19.52	19.70	19.68								
10	25QAM	50	0	19.77	19.42	19.55								
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.24	24.47	24.58	26	0						
5	QPSK	1	12	24.38	24.44	24.58								
5	QPSK	1	24	24.26	24.46	24.58								
5	QPSK	12	0	23.24	23.45	23.58	25	1						
5	QPSK	12	12	23.38	23.47	23.58								
5	QPSK	12	12	23.32	23.54	23.63	25	1						
5	QPSK	25	0	23.32	23.45	23.64								
5	16QAM	1	0	23.68	23.66	23.64	25	1						
5	16QAM	1	12	23.77	24.03	24.04								
5	16QAM	1	24	23.68	23.79	23.84	24	2						
5	16QAM	12	0	22.31	22.48	22.65								
5	16QAM	12	7	22.43	22.62	22.72	24	2						
5	16QAM	12	13	22.38	22.60	22.65								
5	16QAM	25	0	22.36	22.45	22.68	24	2						
5	16QAM	25	12	22.36	22.45	22.68								
5	16QAM	1	0	22.51	22.73	22.63	24	2						
5	16QAM	1	12	22.56	22.70	22.67								
5	16QAM	1	24	22.52	22.67	22.70	23	3						
5	16QAM	12	0	21.26	21.52	21.62								
5	16QAM	12	7	21.35	21.61	21.70	23	3						
5	16QAM	12	13	21.27	21.54	21.71								
5	16QAM	25	0	21.35	21.48	21.60	21	5						
5	25QAM	1	0	19.49	19.51	19.78								
5	25QAM	1	12	19.72	19.74	19.48	21	5						
5	25QAM	1	24	19.76	19.64	19.63								
5	25QAM	12	0	19.51	19.70	19.44	21	5						
5	25QAM	12	7	19.52	19.72	19.62								
5	25QAM	12	13	19.38	19.70	19.52	21	5						
5	25QAM	25	0	19.51	19.56	19.55								
Channel														
Frequency (MHz)														
3	QPSK	1	0	24.16	24.33	24.45	26	0						
3	QPSK	1	8	24.33	24.44	24.55								
3	QPSK	1	14	24.13	24.33	24.44								
3	QPSK	8	0	23.16	23.37	23.50	25	1						
3	QPSK	8	4	23.33	23.47	23.52								
3	QPSK	8	7	23.21	23.43	23.56	25	1						
3	QPSK	15	0	23.17	23.34	23.48								
3	16QAM	1	0	23.46	23.70	23.63	25	1						
3	16QAM	1	8	23.69	23.89	23.94								
3	16QAM	1	14	23.54	23.69	23.88	24	2						
3	16QAM	8	0	22.41	22.48	22.57								
3	16QAM	8	4	22.38	22.54	22.57	24	2						
3	16QAM	8	7	22.35	22.51	22.69								
3	16QAM	15	0	22.25	22.45	22.50	24	2						
3	16QAM	1	0	22.32	22.59	22.68								
3	16QAM	1	8	22.50	22.77	22.80	23	3						
3	16QAM	1	14	22.52	22.58	22.69								
3	16QAM	8	0	21.18	21.38	21.53	23	3						
3	16QAM	8	4	21.26	21.52	21.58								
3	16QAM	8	7	21.26	21.48	21.58	21	5						
3	16QAM	15	0	21.23	21.38	21.51								
3	25QAM	1	0	19.45	19.64	19.45	21	5						
3	25QAM	1	8	19.67	19.68	19.47								
3	25QAM	1	14	19.69	19.72	19.54	21	5						
3	25QAM	8	0	19.50	19.70	19.52								
3	25QAM	8	4	19.52	19.57	19.59	21	5						
3	25QAM	8	7	19.47	19.74	19.61								
3	25QAM	15	0	19.77	19.66	19.41	21	5						
3	25QAM	1	0	19.77	19.66	19.41								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	24.36	24.52	24.53	26	0						
1.4	QPSK	1	3	24.41	24.61	24.42								
1.4	QPSK	1	6	24.36	24.56	24.44								
1.4	QPSK	3	0	24.38	24.53	24.61	25	1						
1.4	QPSK	3	1	24.41	24.53	24.52								
1.4	QPSK	6	0	24.36	24.46	24.46	25	1						
1.4	QPSK	6	3	24.36	24.46	24.46								
1.4	16QAM	1	0	23.75	23.78	23.97	24	2						
1.4	16QAM	1	3	23.75	23.86	23.77								
1.4	16QAM	3	0	23.75	23.86	23.84	24	2						
1.4	16QAM	3	3	23.75	23.86	23.84								
1.4	16QAM	3	6	23.75	23.86	23.84	23	3						
1.4	16QAM	6	0	21.42	21.61	21.72								
1.4	16QAM	6	3	21.42	21.61	21.72	23	3						
1.4	16QAM	6	6	21.42	21.61	21.72								
1.4	16QAM	3	9	19.55	19.88	19.41	21	5						
1.4	16QAM	3	12	19.55	19.88	19.41								
1.4	16QAM	3	15	19.55	19.88	19.41	21	5						
1.4	16QAM	3	18	19.55	19.88	19.41								
1.4	16QAM	3	21	19.55	19.88	19.41	21	5						
1.4	16QAM	3	24	19.55	19.88	19.41								
1.4	16QAM	3	27	19.55	19.88	19.41	21	5						
1.4	16QAM	3	30	19.55	19.88	19.41								
1.4	16QAM	3	33	19.55	19.88	19.41	21	5						
1.4	16QAM	3	36	19.55	19.88	19.41								
1.4	16QAM	3	39	19.55	19.88	19.41	21	5						
1.4	16QAM	3	42	19.55	19.88	19.41								
1.4	16QAM	3	45	19.55	19.88	19.41	21	5						
1.4	16QAM	3	48	19.55	19.88	19.41								
1.4	16QAM	3	51	19.55	19.88	19.41	21	5						
1.4	16QAM	3	54	19.55	19.88	19.41								
1.4	16QAM	3	57	19.55	19.88	19.41	21	5						
1.4	16QAM	3	60	19.55	19.88	19.41								
1.4	16QAM	3	63	19.55	19.88	19.41	21	5						
1.4	16QAM	3	66	19.55	19.88	19.41								
1.4	16QAM	3	69	19.55	19.88	19.41	21	5						
1.4	16QAM	3	72	19.55	19.88	19.41								
1.4	16QAM	3	75	19.55	19.88	19.41	21	5						
1.4	16QAM	3	78	19.55	19.88	19.41								
1.4	16QAM	3	81	19.55	19.88	19.41	21	5						
1.4	16QAM	3	84	19.55	19.88	19.41								
1.4	16QAM	3	87	19.55	19.88	19.41	21	5						
1.4	16QAM	3	90	19.55	19.88	19.41								
1.4	16QAM	3	93	19.55	19.88	19.41	21	5						
1.4	16QAM	3	96	19.55	19.88	19.41								
1.4	16QAM	3	99	19.55	19.88	19.41	21	5						
1.4	16QAM	3												

Band 71_Ant 2										
RF (MHz)	Multicast	MS ID	MS Color	Power (dBm)	Ch. Freq.	Power (dBm)	Ch. Freq.	Power (dBm)	Turn-on Time (s)	Latency
Channel										
				15.022	15.037	15.012				
				66.5	66.5	66.5				
50	GPB-K	1	0	24.37	24.30	24.33				
50	GPB-K	1	0	24.37	24.30	24.33				0
50	GPB-K	1	99	24.35	24.30	24.31				
50	GPB-K	50	0	23.37	23.30	23.34				
50	GPB-K	50	99	23.35	23.30	23.32				
50	GPB-K	50	0	23.39	23.30	23.30				1
50	GPB-K	100	0	23.36	23.40	23.28				
50	GPB-K	100	99	23.40	23.39	23.33				
50	WGA-K	1	0	23.94	24.03	23.72				20
50	WGA-K	1	99	23.92	24.03	23.72				
50	WGA-K	50	0	22.38	22.40	22.32				
50	WGA-K	50	99	22.47	22.38	22.28				24
50	WGA-K	100	0	22.46	22.37	22.27				
50	WGA-K	100	0	22.45	22.35	22.25				24
50	WGA-K	100	99	22.46	22.33	22.23				
50	BGA-K	50	0	21.39	21.35	21.27				
50	BGA-K	50	99	21.38	21.35	21.28				24
50	BGA-K	100	0	21.38	21.35	21.28				
50	BGA-K	100	99	21.46	21.34	21.23				23
50	SHG-K	50	0	19.55	19.54	19.52				
50	SHG-K	50	99	19.55	19.62	19.55				21
50	SHG-K	100	0	19.54	19.54	19.54				
50	SHG-K	100	99	19.49	19.52	19.54				
50	PHG-K	50	0	19.49	19.50	19.50				
50	PHG-K	50	99	19.43	19.43	19.38				21
50	ZHG-K	100	0	19.51	19.49	19.44				

[illegible]

	Frequency	60S	60S.5	60S.1	60S.2	60S.3
10	60SKP	1	36	24.30	24.30	24.21
20	60SKP	1	36	24.30	24.30	24.21
30	60SKP	1	40	24.32	24.30	24.10
40	60SKP	1	40	23.30	23.31	23.10
50	60SKP	1	40	23.30	23.31	23.10
60	60SKP	25	38	23.30	23.30	23.10
70	60SKP	25	38	23.30	23.30	23.10
80	60SKP	25	38	23.31	23.29	23.10
90	60SKP	25	38	23.31	23.30	23.04
100	60SKP	25	38	23.32	23.30	23.05
110	60SKP	1	20	23.32	23.30	23.05
120	60SKP	1	40	23.33	23.68	23.61
130	60SKP	1	40	23.33	23.68	23.61
140	60SKP	1	40	23.33	23.68	23.61
150	60SKP	25	38	22.45	22.37	22.24
160	60SKP	25	38	22.38	22.39	22.18
170	60SKP	25	38	22.38	22.39	22.18
180	60SKP	25	38	22.45	22.37	22.24
190	60SKP	1	40	22.68	22.65	22.47
200	60SKP	1	20	22.65	22.68	22.44
210	60SKP	1	20	22.65	22.68	22.44
220	60SKP	25	21	21.35	21.35	21.18
230	60SKP	25	21	21.35	21.35	21.18
240	60SKP	25	12	21.43	21.38	21.20
250	60SKP	25	20	21.37	21.37	21.18
260	60SKP	25	21	21.42	21.32	21.21
270	238KAP	1	0	19.46	19.68	19.60
280	238KAP	1	25	19.44	19.58	19.60
290	238KAP	1	25	19.44	19.58	19.60
300	238KAP	1	25	19.44	19.58	19.60
310	238KAP	25	0	19.26	19.38	19.30
320	238KAP	25	12	19.42	19.63	19.62
330	238KAP	25	12	19.42	19.63	19.62
340	238KAP	25	0	19.42	19.58	19.38

[illegible]

Band 38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37550	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.88	24.98	25.03	26	0	
20	QPSK	1	49	25.08	25.20	25.22			
20	QPSK	1	99	25.02	25.12	25.18			
20	QPSK	50	0	23.98	24.09	24.22	25	1	
20	QPSK	50	24	24.22	24.21	24.29			
20	QPSK	50	50	24.13	24.20	24.27			
20	QPSK	100	0	24.06	24.13	24.17	25	1	
20	16QAM	1	0	23.74	23.90	24.27			
20	16QAM	1	49	24.42	24.47	24.10			
20	16QAM	1	99	24.27	24.10	24.23	24	2	
20	16QAM	50	0	22.88	23.13	23.20			
20	16QAM	50	24	23.12	23.16	23.27			
20	16QAM	50	50	23.05	23.20	23.33	24	2	
20	16QAM	100	0	23.13	23.16	23.17			
20	64QAM	1	0	22.52	23.12	23.24			
20	64QAM	1	49	23.21	22.81	23.54	24	2	
20	64QAM	1	99	23.32	23.23	22.99			
20	64QAM	50	0	21.98	22.13	22.08			
20	64QAM	50	24	22.13	22.24	22.27	23	3	
20	64QAM	50	50	22.12	22.27	22.26			
20	64QAM	100	0	22.12	22.16	22.16			
20	256QAM	1	0	19.72	19.82	19.97	21	5	
20	256QAM	1	49	19.74	19.88	19.67			
20	256QAM	1	99	19.78	19.91	19.87			
20	256QAM	50	0	19.73	19.95	20.07	21	5	
20	256QAM	50	24	19.81	19.98	19.80			
20	256QAM	50	50	19.87	20.00	19.97			
20	256QAM	100	0	19.78	19.90	19.84	Tune-up limit (dBm)	MPR (dB)	
Channel				37525	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	24.72	24.92	25.11			
15	QPSK	1	37	24.78	25.17	25.00	26	0	
15	QPSK	1	74	24.84	24.99	25.00			
15	QPSK	36	0	23.70	23.92	24.03			
15	QPSK	36	20	23.86	23.99	24.09	25	1	
15	QPSK	36	39	23.94	24.04	24.04			
15	QPSK	75	0	23.91	23.94	24.01			
15	16QAM	1	0	23.68	23.75	23.73	25	1	
15	16QAM	1	37	23.84	23.90	23.83			
15	16QAM	1	74	24.11	23.86	23.94			
15	16QAM	36	0	22.67	22.94	22.93	24	2	
15	16QAM	36	20	22.89	22.98	23.04			
15	16QAM	36	39	22.81	23.03	22.94			
15	16QAM	75	0	22.80	22.95	22.97	24	2	
15	64QAM	1	0	22.81	22.85	22.68			
15	64QAM	1	37	23.14	23.29	22.88			
15	64QAM	1	74	23.07	23.05	22.83	23	3	
15	64QAM	36	0	21.78	22.09	21.91			
15	64QAM	36	20	21.90	21.92	22.02			
15	64QAM	36	39	21.79	22.05	22.07	21	5	
15	64QAM	75	0	21.82	21.94	22.04			
15	256QAM	1	0	19.49	19.63	19.77			
15	256QAM	1	37	19.56	19.98	19.78	21	5	
15	256QAM	1	74	19.56	20.04	19.88			
15	256QAM	36	0	19.75	19.76	19.84			
15	256QAM	36	20	19.90	19.97	19.58	21	5	
15	256QAM	36	39	19.87	19.86	20.05			
15	256QAM	75	0	19.75	19.74	19.71			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.86	25.09	25.02	26	0	
10	QPSK	1	25	24.91	25.16	25.09			
10	QPSK	1	49	24.90	25.04	25.04			
10	QPSK	25	0	23.88	24.14	24.17	25	1	
10	QPSK	25	12	23.97	24.02	24.10			
10	QPSK	25	25	23.99	24.23	24.10			
10	QPSK	50	0	23.94	24.03	24.18	25	1	
10	16QAM	1	0	24.11	24.26	23.97			
10	16QAM	1	25	23.94	24.26	24.10			
10	16QAM	1	49	24.16	24.15	24.06	24	2	
10	16QAM	25	0	22.83	23.09	23.22			
10	16QAM	25	12	23.01	23.12	23.14			
10	16QAM	25	25	22.95	23.20	23.07	24	2	
10	16QAM	50	0	22.96	23.03	23.07			
10	64QAM	1	0	22.49	22.77	23.19			
10	64QAM	1	25	22.89	23.59	23.00	23	3	
10	64QAM	1	49	22.95	22.94	23.23			
10	64QAM	25	0	21.74	22.06	22.20			
10	64QAM	25	12	22.02	22.16	22.10	21	5	
10	64QAM	25	25	22.04	22.28	22.14			
10	64QAM	50	0	21.94	22.15	22.09			
10	256QAM	1	0	19.58	19.91	19.89	21	5	
10	256QAM	1	25	19.78	19.85	19.48			
10	256QAM	1	49	19.66	19.95	19.84			
10	256QAM	25	0	19.69	19.94	20.04	21	5	
10	256QAM	25	12	19.81	19.76	19.75			
10	256QAM	25	25	19.84	19.89	19.89			
10	256QAM	50	0	19.77	19.97	19.64	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225			
Frequency (MHz)				2672.5	2695	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.79	25.10	25.02			
5	QPSK	1	12	24.79	25.18	25.09	26	0	
5	QPSK	1	24	24.76	25.12	25.08			
5	QPSK	12	0	23.83	23.98	24.09			
5	QPSK	12	7	23.88	24.08	24.06	25	1	
5	QPSK	12	13	23.87	24.09	24.04			
5	QPSK	25	0	23.81	24.00	24.07			
5	16QAM	1	0	23.90	24.12	24.17	25	1	
5	16QAM	1	12	23.94	24.23	24.35			
5	16QAM	1	24	23.92	24.11	24.06			
5	16QAM	12	0	22.67	22.99	22.99	24	2	
5	16QAM	12	7	22.96	23.07	23.12			
5	16QAM	12	13	22.90	23.06	23.07			
5	16QAM	25	0	22.88	23.04	23.16	24	2	
5	64QAM	1	0	22.62	23.00	23.10			
5	64QAM	1	12	23.08	23.10	22.89			
5	64QAM	1	24	22.82	23.02	22.98	23	3	
5	64QAM	12	0	21.69	22.05	22.06			
5	64QAM	12	7	21.92	22.07	22.06			
5	64QAM	12	13	21.86	22.09	22.09	21	5	
5	64QAM	25	0	21.84	22.07	22.13			
5	256QAM	1	0	19.51	19.83	19.97			
5	256QAM	1	12	19.65	19.95	19.84	21	5	
5	256QAM	1	24	19.67	19.98	19.68			
5	256QAM	12	0	19.67	19.72	20.20			
5	256QAM	12	7	19.87	19.94	19.93	21	5	
5	256QAM	12	13	19.69	20.13	19.85			
5	256QAM	25	0	19.91	19.83	19.81			

Band 38_Ant 2									
BW [MHz]	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	24.88	24.98	25.03	26	0	
20	QPSK	1	49	25.08	25.20	25.22			
20	QPSK	1	99	25.02	25.12	25.18			
20	QPSK	50	0	23.98	24.09	24.22	25	1	
20	QPSK	50	24	24.22	24.21	24.29			
20	QPSK	50	50	24.13	24.20	24.27			
20	QPSK	100	0	24.06	24.13	24.17	25	1	
20	16QAM	1	0	23.74	23.90	24.27			
20	16QAM	1	49	24.42	24.47	24.10			
20	16QAM	1	99	24.27	24.10	24.23	24	2	
20	16QAM	50	0	22.88	23.13	23.20			
20	16QAM	50	24	23.12	23.16	23.27			
20	16QAM	50	50	23.05	23.20	23.33	24	2	
20	16QAM	100	0	23.13	23.23	23.17			
20	64QAM	1	0	22.52	23.12	23.24			
20	64QAM	1	49	23.21	22.81	23.54	23	3	
20	64QAM	1	99	23.32	23.23	22.99			
20	64QAM	50	0	21.98	22.13	22.08			
20	64QAM	50	24	22.13	22.24	22.27	21	5	
20	64QAM	50	50	22.12	22.27	22.26			
20	64QAM	100	0	22.12	22.16	22.16			
20	256QAM	1	0	19.72	19.82	19.97	21	5	
20	256QAM	1	49	19.74	19.88	19.67			
20	256QAM	1	99	19.78	19.91	19.87			
20	256QAM	50	0	19.73	19.95	20.07	21	5	
20	256QAM	50	24	19.81	19.98	19.80			
20	256QAM	50	50	19.87	20.00	19.97			
20	256QAM	100	0	19.78	19.90	19.84			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	24.72	24.92	25.11	26	0	
15	QPSK	1	37	24.78	25.17	25.00			
15	QPSK	1	74	24.84	24.99	25.00			
15	QPSK	36	0	23.70	23.92	24.03	25	1	
15	QPSK	36	20	23.85	23.99	24.09			
15	QPSK	36	39	23.94	24.04	24.04			
15	QPSK	75	0	23.91	23.94	24.01	25	1	
15	16QAM	1	0	23.68	23.75	23.73			
15	16QAM	1	37	23.84	23.90	23.83			
15	16QAM	1	74	24.11	23.86	23.94	24	2	
15	16QAM	36	0	22.67	22.94	22.93			
15	16QAM	36	20	22.89	22.98	23.04			
15	16QAM	36	39	22.81	23.03	22.94	24	2	
15	16QAM	75	0	22.80	22.95	22.97			
15	64QAM	1	0	22.81	22.85	22.68			
15	64QAM	1	37	23.14	23.29	22.88	23	3	
15	64QAM	1	74	23.07	23.05	22.83			
15	64QAM	36	0	21.78	22.09	21.91			
15	64QAM	36	20	21.90	21.92	22.02	21	5	
15	64QAM	36	39	21.79	22.05	22.07			
15	64QAM	75	0	21.82	21.94	22.04			
15	256QAM	1	0	19.49	19.63	19.77	21	5	
15	256QAM	1	37	19.56	19.98	19.79			
15	256QAM	1	74	19.56	20.04	19.88			
15	256QAM	36	0	19.75	19.76	19.84	21	5	
15	256QAM	36	20	19.90	19.97	19.58			
15	256QAM	36	39	19.87	19.86	20.05			
15	256QAM	75	0	19.75	19.74	19.71			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.86	25.09	25.02	26	0	
10	QPSK	1	25	24.91	25.16	25.09			
10	QPSK	1	49	24.90	25.04	25.04			
10	QPSK	25	0	23.88	24.14	24.17	25	1	
10	QPSK	25	12	23.97	24.02	24.10			
10	QPSK	25	25	23.99	24.23	24.10			
10	QPSK	50	0	23.94	24.03	24.18	25	1	
10	16QAM	1	0	24.11	24.26	23.97			
10	16QAM	1	25	23.94	24.26	24.10			
10	16QAM	1	49	24.16	24.15	24.06	24	2	
10	16QAM	25	0	22.83	23.09	23.22			
10	16QAM	25	12	23.01	23.12	23.14			
10	16QAM	25	25	22.95	23.20	23.07	24	2	
10	16QAM	50	0	22.96	23.03	23.07			
10	64QAM	1	0	22.49	22.77	23.19			
10	64QAM	1	25	22.89	23.59	23.00	23	3	
10	64QAM	1	49	22.95	22.94	23.23			
10	64QAM	25	0	21.74	22.06	22.20			
10	64QAM	25	12	22.02	22.16	22.10	21	5	
10	64QAM	25	25	22.04	22.28	22.14			
10	64QAM	50	0	21.94	22.15	22.09			
10	256QAM	1	0	19.58	19.91	19.89	21	5	
10	256QAM	1	25	19.78	19.85	19.48			
10	256QAM	1	49	19.66	19.95	19.84			
10	256QAM	25	0	19.69	19.94	20.04	21	5	
10	256QAM	25	12	19.81	19.76	19.75			
10	256QAM	25	25	19.84	19.89	19.89			
10	256QAM	50	0	19.77	19.97	19.64			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.79	25.10	25.02	26	0	
5	QPSK	1	12	24.79	25.18	25.09			
5	QPSK	1	24	24.76	25.12	25.08			
5	QPSK	12	0	23.83	23.98	24.09	25	1	
5	QPSK	12	7	23.83	24.08	24.06			
5	QPSK	12	13	23.87	24.09	24.04			
5	QPSK	25	0	23.81	24.00	24.07	25	1	
5	16QAM	1	0	23.90	24.12	24.17			
5	16QAM	1	12	23.94	24.23	24.35			
5	16QAM	1	24	23.92	24.11	24.06	24	2	
5	16QAM	12	0	22.67	22.99	22.99			
5	16QAM	12	7	22.96	23.07	23.12			
5	16QAM	12	13	22.90	23.06	23.07	23	3	
5	16QAM	25	0	22.88	23.04	23.16			
5	64QAM	1	0	22.62	23.00	23.10			
5	64QAM	1	12	23.08	23.10	22.89	24	2	
5	64QAM	1	24	22.82	23.02	22.98			
5	64QAM	12	0	21.69	22.05	22.06			
5	64QAM	12	7	21.92	22.07	22.06	23	3	
5	64QAM	12	13	21.86	22.09	22.09			
5	64QAM	25	0	21.84	22.07	22.13			
5	256QAM	1	0	19.51	19.83	19.97	21	5	
5	256QAM	1	12	19.65	19.95	19.64			
5	256QAM	1	24	19.67	19.98	19.68			
5	256QAM	12	0	19.67	19.72	20.20	21	5	
5	256QAM	12	7	19.87	19.94	19.93			
5	256QAM	12	13	19.69	20.13	19.85			
5	256QAM	25	0	19.91	19.83	19.81			

Band 41_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.76	24.93	25.00	25.01	24.63	26	0		
20	QPSK	1	49	24.82	24.97	25.12	25.23	25.24				
20	QPSK	1	99	24.75	24.94	25.10	24.98	24.96				
20	QPSK	50	0	23.82	23.91	24.02	24.07	24.08				
20	QPSK	50	24	23.91	23.99	24.22	24.23	24.26				
20	QPSK	50	50	23.89	23.96	24.20	24.18	24.17	25	1		
20	QPSK	100	0	23.84	23.99	24.13	24.19	24.21				
20	16QAM	1	0	23.75	23.52	24.34	24.14	23.80				
20	16QAM	1	49	23.57	23.71	23.95	24.22	24.29				
20	16QAM	1	99	23.64	24.08	24.07	23.88	23.85				
20	16QAM	50	0	22.78	22.88	23.05	23.13	23.06	24	2		
20	16QAM	50	24	22.85	23.05	23.13	23.28	23.18				
20	16QAM	50	50	22.85	23.02	23.15	23.17	23.26				
20	16QAM	100	0	22.89	22.98	23.09	23.16	23.19				
20	64QAM	1	0	22.63	22.63	22.96	22.90	22.73	24	2		
20	64QAM	1	49	23.01	22.80	23.07	23.22	23.27				
20	64QAM	1	99	22.71	23.32	22.89	22.75	23.16				
20	64QAM	50	0	21.75	21.92	22.10	22.14	22.15				
20	64QAM	50	24	21.90	21.94	22.15	22.31	22.27				
20	64QAM	50	50	21.89	22.07	22.12	22.20	22.20	23	3		
20	64QAM	100	0	21.93	22.01	22.16	22.16	22.22				
20	256QAM	1	0	19.41	19.64	19.65	19.88	19.52				
20	256QAM	1	49	19.21	19.40	19.62	19.51	19.59				
20	256QAM	1	99	19.45	19.61	19.75	19.50	19.54				
20	256QAM	50	0	19.44	19.75	19.83	19.72	19.62	21	5		
20	256QAM	50	24	19.17	19.38	19.68	19.53	19.68				
20	256QAM	50	50	19.49	19.47	19.73	19.63	19.72				
20	256QAM	100	0	19.36	19.58	19.65	19.63	19.87				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	24.62	24.56	24.65	24.89	24.59	26	0		
15	QPSK	1	37	24.61	24.72	24.79	25.15	25.03				
15	QPSK	1	74	24.54	24.62	25.08	24.86	24.85				
15	QPSK	36	0	23.64	23.62	23.83	23.97	23.88				
15	QPSK	36	20	23.65	23.79	23.93	24.08	24.06				
15	QPSK	36	39	23.67	23.76	23.95	23.97	23.99	25	1		
15	QPSK	75	0	23.69	23.79	23.94	24.08	23.95				
15	16QAM	1	0	23.36	23.57	23.96	23.86	23.81				
15	16QAM	1	37	23.81	23.65	23.62	24.49	24.19				
15	16QAM	1	74	23.74	23.76	23.58	23.76	24.11				
15	16QAM	36	0	22.74	22.71	22.83	23.00	22.91	24	2		
15	16QAM	36	20	22.66	22.79	22.83	23.06	23.05				
15	16QAM	36	39	22.66	22.76	22.92	23.06	23.02				
15	16QAM	75	0	22.71	22.81	22.87	22.97	23.02				
15	64QAM	1	0	22.53	22.95	23.03	22.90	22.78				
15	64QAM	1	37	22.84	22.99	22.53	22.79	22.76	24	2		
15	64QAM	1	74	22.79	22.97	22.78	22.72	22.77				
15	64QAM	36	0	21.66	21.63	21.81	21.95	21.96				
15	64QAM	36	20	21.69	21.85	21.88	22.07	22.03				
15	64QAM	36	39	21.72	21.68	21.95	22.10	21.95				
15	64QAM	75	0	21.68	21.81	21.91	21.96	21.95	21	5		
15	256QAM	1	0	19.29	19.51	19.49	19.84	19.24				
15	256QAM	1	37	19.55	19.51	19.53	19.84	19.44				
15	256QAM	1	74	19.27	19.63	19.72	19.78	19.33				
15	256QAM	36	0	19.33	19.45	19.61	19.81	19.69				
15	256QAM	36	20	19.23	19.38	19.73	19.65	19.81	21	5		
15	256QAM	36	39	19.54	19.58	19.80	19.60	19.86				
15	256QAM	75	0	19.43	19.51	19.51	19.61	19.84				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	24.54	24.81	24.95	24.68	24.82	26	0		
10	QPSK	1	25	24.78	24.88	24.96	25.02	25.17				
10	QPSK	1	49	24.69	24.77	25.07	24.85	24.82				
10	QPSK	25	0	23.74	23.70	23.94	24.02	24.08				
10	QPSK	25	12	23.73	23.68	23.93	24.23	24.09				
10	QPSK	25	25	23.76	23.84	24.02	24.17	23.95	25	1		
10	QPSK	50	0	23.77	23.90	23.99	24.10	24.04				
10	16QAM	1	0	23.91	23.95	23.82	23.86	23.57				
10	16QAM	1	25	23.47	23.73	24.20	24.21	23.82				
10	16QAM	1	49	23.69	23.72	23.92	23.78	24.05	24	2		
10	16QAM	25	0	22.62	22.75	22.92	23.09	23.07				
10	16QAM	25	12	22.76	22.80	22.85	23.20	23.13				
10	16QAM	25	25	22.63	22.81	23.10	23.09	23.02				
10	16QAM	50	0	22.77	22.84	22.97	23.16	23.03				
10	64QAM	1	0	22.82	22.83	23.02	22.51	22.82	24	2		
10	64QAM	1	25	22.52	22.86	22.42	23.04	23.00				
10	64QAM	1	49	23.03	22.82	22.81	22.93	22.58				
10	64QAM	25	0	21.75	21.71	21.91	22.04	22.06				
10	64QAM	25	12	21.70	21.90	22.06	22.24	22.12				
10	64QAM	25	25	21.65	21.85	22.07	22.11	21.93	23	3		
10	64QAM	50	0	21.72	21.83	22.12	22.10	21.95				
10	256QAM	1	0	19.32	19.59	19.72	19.65	19.25				
10	256QAM	1	25	19.31	19.60	19.70	19.48	19.44				
10	256QAM	1	49	19.58	19.64	19.66	19.65	19.49				
10	256QAM	25	0	19.49	19.63	19.54	19.77	19.49	21	5		
10	256QAM	25	12	19.34	19.49	19.50	19.33	19.70				
10	256QAM	25	25	19.64	19.33	19.89	19.50	19.81				
10	256QAM	50	0	19.58	19.54	19.86	19.63	19.86				
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.9	2593	2640.30	2687.5				
5	QPSK	1	0	24.81	24.80	24.91	25.18	25.06	26	0		
5	QPSK	1	12	24.86	24.99	25.06	25.21	25.12				
5	QPSK	1	24	24.84	25.02	25.11	25.18	25.08				
5	QPSK	12	0	23.82	23.89	24.03	24.21	24.20				
5	QPSK	12	7	23.81	24.06	24.12	24.38	24.21	25	1		
5	QPSK	12	13	23.76	23.88	24.05	24.29	24.21				
5	QPSK	25	0	23.86	23.94	24.15	24.32	24.15				
5	16QAM	1	0	23.69	23.68	23.70	24.27	24.13				
5	16QAM	1	12	24.07	23.80	24.36	24.05	24.18				
5	16QAM	1	24	23.78	24.21	23.99	24.05	24.12	25	1		
5	16QAM	12	0	22.82	22.96	23.09	23.21	23.23				
5	16QAM	12	7	22.81	22.94	23.19	23.24	23.19				
5	16QAM	12	13	22.80	22.90	23.05	23.11	23.13				
5	16QAM	25	0	22.74	22.80	23.13	23.28	23.25	24	2		
5	64QAM	1	0	22.78	22.66	22.84	22.98	22.86				
5	64QAM	1	12	22.63	22.80	23.01	22.91	22.87				
5	64QAM	1	24	22.63	22.74	23.07	23.08	22.96				
5	64QAM	12	0	21.84	22.04	22.00	22.21	22.18				
5	64QAM	12	7	21.80	21.78	22.17	22.25	22.24	23	3		
5	64QAM	12	13	21.86	21.85	21.99	22.23	22.13				
5	64QAM	25	0	21.85	22.06	22.10	22.26	22.14				
5	256QAM	1	0	19.44	19.36	19.53	19.73	19.43				
5	256QAM	1	12	19.36	19.42	19.68	19.78	19.54				
5	256QAM	1	24	19.43	19.53	19.64	19.62	19.40	21	5		
5	256QAM	12	0	19.33	19.40	19.50	19.83	19.50				
5	256QAM	12	7	19.40	19.32	19.81	19.45	19.62				
5	256QAM	12	13	19.74	19.40	19.67	19.47	19.62				
5	256QAM	25	0	19.47	19.75	19.67	19.74	19.61				

Band 41_Ant 2											
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	26	0	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	24.76	24.93	25.00	25.01	24.63	25	1	
20	QPSK	1	49	24.82	24.97	25.12	25.23	25.24			
20	QPSK	1	99	24.75	24.94	25.10	24.98	24.96			
20	QPSK	50	0	23.82	23.91	24.02	24.07	24.08			
20	QPSK	50	24	23.91	23.99	24.22	24.23	24.26			
20	QPSK	50	50	23.89	23.96	24.20	24.18	24.17	25	1	
20	QPSK	100	0	23.84	23.99	24.13	24.19	24.21			
20	16QAM	1	0	23.75	23.52	24.34	24.14	23.80			
20	16QAM	1	49	23.57	23.71	23.95	24.22	24.29			
20	16QAM	1	99	23.64	24.08	24.07	23.88	23.85			
20	16QAM	50	0	22.78	22.88	23.05	23.13	23.06	24	2	
20	16QAM	50	24	22.85	23.05	23.13	23.28	23.18			
20	16QAM	50	50	22.85	23.02	23.15	23.17	23.26			
20	16QAM	100	0	22.89	22.98	23.09	23.16	23.19			
20	64QAM	1	0	22.63	22.63	22.96	22.90	22.73			
20	64QAM	1	49	23.01	22.80	23.07	23.22	23.27	24	2	
20	64QAM	1	99	22.71	23.32	22.89	22.75	23.16			
20	64QAM	50	0	21.75	21.92	22.10	22.14	22.15			
20	64QAM	50	24	21.90	21.94	22.15	22.31	22.27			
20	64QAM	50	50	21.89	22.07	22.12	22.20	22.20			
20	64QAM	100	0	21.93	22.01	22.16	22.16	22.22	23	3	
20	256QAM	1	0	19.41	19.64	19.65	19.88	19.52			
20	256QAM	1	49	19.21	19.40	19.62	19.51	19.59			
20	256QAM	1	99	19.45	19.61	19.75	19.50	19.54			
20	256QAM	50	0	19.44	19.75	19.83	19.72	19.62			
20	256QAM	50	24	19.17	19.38	19.68	19.53	19.68	21	5	
20	256QAM	50	50	19.49	19.47	19.73	19.63	19.72			
20	256QAM	100	0	19.36	19.58	19.65	19.63	19.87			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	26	0	
15	QPSK	1	0	24.62	24.56	24.65	24.89	24.59			
15	QPSK	1	37	24.61	24.72	24.79	25.15	25.03	25	1	
15	QPSK	1	74	24.54	24.62	25.08	24.86	24.85			
15	QPSK	36	0	23.64	23.62	23.83	23.97	23.88			
15	QPSK	36	20	23.65	23.79	23.93	24.08	24.06			
15	QPSK	36	39	23.67	23.76	23.95	23.97	23.99			
15	QPSK	75	0	23.69	23.79	23.94	24.08	23.95	25	1	
15	16QAM	1	0	23.36	23.57	23.96	23.86	23.81			
15	16QAM	1	37	23.81	23.65	23.62	24.49	24.19			
15	16QAM	1	74	23.74	23.76	23.58	23.76	24.11			
15	16QAM	36	0	22.74	22.71	22.83	23.00	22.91			
15	16QAM	36	20	22.66	22.79	22.83	23.06	23.05	24	2	
15	16QAM	36	39	22.66	22.76	22.92	23.06	23.02			
15	16QAM	75	0	22.71	22.81	22.87	22.97	23.02			
15	64QAM	1	0	22.53	22.95	23.03	22.90	22.78			
15	64QAM	1	37	22.84	22.99	22.53	22.79	22.76			
15	64QAM	1	74	22.79	22.97	22.78	22.72	22.77	23	3	
15	64QAM	36	0	21.66	21.63	21.81	21.95	21.96			
15	64QAM	36	20	21.69	21.85	21.88	22.07	22.03			
15	64QAM	36	39	21.72	21.68	21.95	22.10	21.95			
15	64QAM	75	0	21.68	21.81	21.91	21.96	21.95			
15	256QAM	1	0	19.29	19.51	19.49	19.84	19.24	21	5	
15	256QAM	1	37	19.55	19.51	19.53	19.84	19.44			
15	256QAM	1	74	19.27	19.63	19.72	19.78	19.33			
15	256QAM	36	0	19.33	19.45	19.61	19.81	19.69			
15	256QAM	36	20	19.23	19.38	19.73	19.65	19.81			
15	256QAM	36	39	19.54	19.58	19.80	19.60	19.86	21	5	
15	256QAM	75	0	19.43	19.51	19.51	19.61	19.84			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685	26	0	
10	QPSK	1	0	24.54	24.81	24.95	24.68	24.82			
10	QPSK	1	25	24.78	24.88	24.96	25.02	25.17	25	1	
10	QPSK	1	49	24.69	24.77	25.07	24.85	24.82			
10	QPSK	25	0	23.74	23.70	23.94	24.02	24.08			
10	QPSK	25	12	23.73	23.68	23.93	24.23	24.09			
10	QPSK	25	25	23.76	23.84	24.02	24.17	23.95			
10	QPSK	50	0	23.77	23.90	23.99	24.10	24.04	25	1	
10	16QAM	1	0	23.91	23.95	23.82	23.86	23.57			
10	16QAM	1	25	23.47	23.73	24.20	24.21	23.82			
10	16QAM	1	49	23.69	23.72	23.92	23.78	24.05			
10	16QAM	25	0	22.62	22.75	22.92	23.09	23.07			
10	16QAM	25	12	22.76	22.80	22.85	23.20	23.13	24	2	
10	16QAM	25	25	22.63	22.81	23.10	23.09	23.02			
10	16QAM	50	0	22.77	22.84	22.97	23.16	23.03			
10	64QAM	1	0	22.82	22.83	23.02	22.51	22.82			
10	64QAM	1	25	22.52	22.86	22.42	23.04	23.00			
10	64QAM	1	49	23.03	22.82	22.81	22.93	22.58	23	3	
10	64QAM	25	0	21.75	21.71	21.91	22.04	22.06			
10	64QAM	25	12	21.70	21.90	22.06	22.24	22.12			
10	64QAM	25	25	21.65	21.85	22.07	22.11	21.93			
10	64QAM	50	0	21.72	21.83	22.12	22.10	21.95			
10	256QAM	1	0	19.32	19.59	19.72	19.65	19.25	21	5	
10	256QAM	1	25	19.31	19.60	19.70	19.48	19.44			
10	256QAM	1	49	19.58	19.64	19.66	19.65	19.49			
10	256QAM	25	0	19.49	19.63	19.54	19.77	19.49			
10	256QAM	25	12	19.34	19.49	19.50	19.33	19.70			
10	256QAM	25	25	19.64	19.33	19.89	19.50	19.81	21	5	
10	256QAM	50	0	19.58	19.54	19.86	19.63	19.86			
Channel				39975	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.9	2593	2640.30	2687.5	26	0	
5	QPSK	1	0	24.81	24.80	24.91	25.18	25.06			
5	QPSK	1	12	24.86	24.99	25.06	25.21	25.12	25	1	
5	QPSK	1	24	24.84	25.02	25.11	25.18	25.08			
5	QPSK	12	0	23.82	23.89	24.03	24.21	24.20			
5	QPSK	12	7	23.81	24.06	24.12	24.38	24.21			
5	QPSK	12	13	23.76	23.88	24.05	24.29	24.21			
5	QPSK	25	0	23.86	23.94	24.15	24.32	24.15	25	1	
5	16QAM	1	0	23.69	23.68	23.70	24.27	24.13			
5	16QAM	1	12	24.07	23.80	24.36	24.05	24.18			
5	16QAM	1	24	23.78	24.21	23.99	24.05	24.12			
5	16QAM	12	0	22.82	22.96	23.09	23.21	23.23			
5	16QAM	12	7	22.81	22.94	23.19	23.24	23.19	24	2	
5	16QAM	12	13	22.80	22.90	23.05	23.11	23.13			
5	16QAM	25	0	22.74	22.80	23.13	23.28	23.25			
5	64QAM	1	0	22.78	22.66	22.84	22.98	22.86	24	2	
5	64QAM	1	12	22.63	22.80	23.01	22.91	22.87			
5	64QAM	1	24	22.63	22.74	23.07	23.08	22.96			
5	64QAM	12	0	21.84	22.04	22.00	22.21	22.18			
5	64QAM	12	7	21.80	21.78	22.17	22.25	22.24			
5	64QAM	12	13	21.86	21.85	21.99	22.23	22.13	23	3	
5	64QAM	25	0	21.85	22.06	22.10	22.26	22.14			
5	256QAM	1	0	19.44	19.36	19.53	19.73	19.43			
5	256QAM	1	12	19.36	19.42	19.68	19.78	19.54	21	5	
5	256QAM	1	24	19.43	19.53	19.64	19.62	19.40			
5	256QAM	12	0	19.33	19.40	19.50	19.83	19.50			
5	256QAM	12	7	19.40	19.32	19.81	19.45	19.62			
5	256QAM	12	13	19.74	19.40	19.67	19.47	19.62			
5	256QAM	25	0	19.47	19.75	19.67	19.74	19.61	21	5	



WWAN Power for State 14

GSM850_Ant 0	Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8
GSM 1 Tx slot		31.06	30.94	31.32	32.50	22.06	21.90	22.32
GPRS 1 Tx slot		31.04	30.88	31.29	32.50	22.04	21.88	22.29
GPRS 2 Tx slots		30.97	30.79	31.22	32.50	24.97	24.79	25.22
EDGE 1 Tx slot		25.37	25.11	25.34	27.50	16.37	16.11	16.34
EDGE 2 Tx slots		25.17	25.03	25.23	27.50	19.17	19.03	19.23

GSM1900_Ant 1	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)		1520.2	1580	1909.8		1520.2	1580	1909.8	
GSM 1 Tx slot		30.07	30.02	30.10	31.00	21.07	21.02	21.10	22.00
GPRS 1 Tx slot		30.05	30.00	30.08	31.00	21.05	21.00	21.08	22.00
GPRS 2 Tx slots		29.84	29.88	29.89	31.00	23.84	23.88	23.89	25.00
EDGE 1 Tx slot		25.23	25.49	25.64	28.00	16.23	16.49	16.64	19.00
EDGE 2 Tx slots		25.16	25.41	25.52	28.00	19.16	19.41	19.52	22.00

GSM1900_Ant 2	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)		1520.2	1580	1909.8		1520.2	1580	1909.8	
GSM 1 Tx slot		30.07	30.02	30.10	31.00	21.07	21.02	21.10	22.00
GPRS 1 Tx slot		30.05	30.00	30.08	31.00	21.05	21.00	21.08	22.00
GPRS 2 Tx slots		29.84	29.88	29.89	31.00	23.84	23.88	23.89	25.00
EDGE 1 Tx slot		25.23	25.49	25.64	28.00	16.23	16.49	16.64	19.00
EDGE 2 Tx slots		25.16	25.41	25.52	28.00	19.16	19.41	19.52	22.00

Band	WCDMA R_Ant 1				Tune-up Limit (dBm)	WCDMA R_Ant 2				Tune-up Limit (dBm)
	TX Channel	9262	9400	9538		9262	9400	9538		
	Rx Channel	9652	9800	9938		9652	9800	9938		
	Frequency (MHz)	1852.4	1880	1907.6		1852.4	1880	1907.6		
3GPP Rel 99	AMR 12.2Kbps	25.15	25.08	25.16	25.50	25.15	25.08	25.16	25.50	
3GPP Rel 99	RMC 12.2Kbps	25.17	25.11	25.19	25.50	25.17	25.11	25.19	25.50	
3GPP Rel 6	HSDPA Subtest-1	23.96	23.92	24.03	24.50	23.96	23.92	24.03	24.50	
3GPP Rel 6	HSDPA Subtest-2	23.96	23.94	24.02	24.50	23.96	23.94	24.02	24.50	
3GPP Rel 6	HSDPA Subtest-3	23.49	23.42	23.50	24.00	23.49	23.42	23.50	24.00	
3GPP Rel 6	HSDPA Subtest-4	23.46	23.43	23.49	24.00	23.46	23.43	23.49	24.00	
3GPP Rel 8	DC-HSDPA Subtest-1	23.88	23.84	23.96	24.50	23.88	23.84	23.96	24.50	
3GPP Rel 8	DC-HSDPA Subtest-2	23.85	23.80	23.93	24.50	23.85	23.80	23.93	24.50	
3GPP Rel 8	DC-HSDPA Subtest-3	23.37	23.35	23.43	24.00	23.37	23.35	23.43	24.00	
3GPP Rel 8	DC-HSDPA Subtest-4	23.36	23.36	23.41	24.00	23.36	23.36	23.41	24.00	
3GPP Rel 6	HSUPA Subtest-1	23.50	23.97	24.08	24.50	23.50	23.97	24.08	24.50	
3GPP Rel 6	HSUPA Subtest-2	21.99	22.01	22.08	22.50	21.99	22.01	22.08	22.50	
3GPP Rel 6	HSUPA Subtest-3	23.04	22.96	23.09	23.50	23.04	22.96	23.09	23.50	
3GPP Rel 6	HSUPA Subtest-4	22.05	22.02	22.13	22.50	22.05	22.02	22.13	22.50	
3GPP Rel 6	HSUPA Subtest-5	24.10	24.00	24.10	24.50	24.10	24.00	24.10	24.50	

Band	WCDMA R_Ant 1				Tune-up Limit (dBm)	WCDMA R_Ant 2				Tune-up Limit (dBm)
	TX Channel	1312	1413	1513		1312	1413	1513		
	Rx Channel	1537	1638	1738		1537	1638	1738		
	Frequency (MHz)	1712.4	1732.6	1752.6		1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	23.16	22.93	22.91	24.00	25.27	25.02	25.00	25.50	
3GPP Rel 99	RMC 12.2Kbps	23.17	22.95	22.92	24.00	25.30	25.04	25.02	25.50	
3GPP Rel 6	HSDPA Subtest-1	22.12	21.89	21.83	23.00	24.07	23.87	23.80	24.50	
3GPP Rel 6	HSDPA Subtest-2	22.12	21.91	21.79	23.00	24.04	23.88	23.80	24.50	
3GPP Rel 6	HSDPA Subtest-3	21.62	21.42	21.33	22.50	23.60	23.35	23.29	24.00	
3GPP Rel 6	HSDPA Subtest-4	21.60	21.42	21.36	22.50	23.56	23.33	23.30	24.00	
3GPP Rel 8	DC-HSDPA Subtest-1	22.06	21.87	21.68	23.00	23.93	23.76	23.71	24.50	
3GPP Rel 8	DC-HSDPA Subtest-2	22.07	21.75	21.63	23.00	23.91	23.79	23.67	24.50	
3GPP Rel 8	DC-HSDPA Subtest-3	21.54	21.35	21.24	22.50	23.51	23.23	23.14	24.50	
3GPP Rel 8	DC-HSDPA Subtest-4	21.51	21.33	21.34	22.50	23.48	23.25	23.15	24.00	
3GPP Rel 6	HSUPA Subtest-1	22.04	21.87	21.81	23.00	24.10	23.91	23.90	24.50	
3GPP Rel 6	HSUPA Subtest-2	20.10	19.91	19.85	21.00	22.14	21.93	21.84	22.50	
3GPP Rel 6	HSUPA Subtest-3	21.03	20.92	20.82	22.00	23.11	22.94	22.88	23.50	
3GPP Rel 6	HSUPA Subtest-4	20.09	19.86	19.84	21.00	22.14	21.92	21.90	22.50	
3GPP Rel 6	HSUPA Subtest-5	22.10	21.90	21.80	23.00	24.10	23.90	23.90	24.50	

Band	WCDMA_V_Ant 0				Tune-up Limit (dBm)	WCDMA_V_Ant 2				Tune-up Limit (dBm)
	TX Channel	4132	4182	4233		4132	4182	4233		
Rx Channel		4357	4407	4458		4357	4407	4458		
Frequency (MHz)		826.4	836.4	846.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	24.79	24.75	24.81	25.50	24.79	24.75	24.81	25.50	
3GPP Rel 99	RMC 12.2Kbps	24.80	24.77	24.87	25.50	24.80	24.77	24.87	25.50	
3GPP Rel 6	HSDPA Subtest-1	23.73	23.70	23.77	24.50	23.73	23.70	23.77	24.50	
3GPP Rel 6	HSDPA Subtest-2	23.75	23.74	23.77	24.50	23.75	23.74	23.77	24.50	
3GPP Rel 6	HSDPA Subtest-3	23.27	23.24	23.25	24.00	23.27	23.24	23.25	24.00	
3GPP Rel 6	HSDPA Subtest-4	23.23	23.18	23.20	24.00	23.23	23.18	23.20	24.00	
3GPP Rel 8	DC-HSDPA Subtest-1	23.69	23.67	23.77	24.50	23.69	23.67	23.77	24.50	
3GPP Rel 8	DC-HSDPA Subtest-2	23.68	23.66	23.68	24.50	23.68	23.66	23.68	24.50	
3GPP Rel 8	DC-HSDPA Subtest-3	23.19	23.16	23.21	24.00	23.18	23.16	23.21	24.00	
3GPP Rel 8	DC-HSDPA Subtest-4	23.17	23.11	23.11	24.00	23.17	23.11	23.11	24.00	
3GPP Rel 6	HSUPA Subtest-1	23.74	23.71	23.78	24.50	23.74	23.71	23.78	24.50	
3GPP Rel 6	HSUPA Subtest-2	21.75	21.72	21.78	22.50	21.75	21.72	21.78	22.50	
3GPP Rel 6	HSUPA Subtest-3	22.75	22.71	22.83	23.50	22.75	22.71	22.83	23.50	
3GPP Rel 6	HSUPA Subtest-4	21.75	21.71	21.80	22.50	21.75	21.71	21.80	22.50	
3GPP Rel 6	HSUPA Subtest-5	23.70	23.70	23.80	24.50	23.70	23.70	23.80	24.50	



Band 2_Ant 1												
BW (MHz)	Modulation	RB Sub	RB Offset	Power Ch. 1 (W)	Power Ch. 2 (W)	Power Ch. 3 (W)	Turn-on time (sec)	APRS (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	5	24.48	24.37	24.38			26	0		
20	QPSK	1	49	24.38	24.43	24.33						
20	QPSK	1	99	24.38	24.36	24.31			25	1		
20	QPSK	50	5	23.47	23.37	23.48						
20	QPSK	50	24	23.37	23.38	23.35			24	2		
20	QPSK	50	50	23.47	23.41	23.33						
20	QPSK	100	0	23.49	23.42	23.35			25	1		
20	QPSK	100	50	23.37	23.38	23.35						
20	16QAM	1	49	23.38	23.32	23.38			24	2		
20	16QAM	1	99	23.68	23.61	23.61						
20	16QAM	50	5	22.48	22.39	22.50			23	3		
20	16QAM	50	24	22.54	22.45	22.38						
20	16QAM	100	0	22.48	22.41	22.37			24	2		
20	16QAM	100	50	22.52	22.49	22.38						
20	8QAM	1	0	22.69	22.64	22.61			23	3		
20	8QAM	1	49	22.76	22.65	22.65						
20	8QAM	50	5	21.46	21.39	21.51			24	2		
20	8QAM	50	24	21.53	21.45	21.59						
20	8QAM	100	0	21.51	21.42	21.55			25	1		
20	8QAM	100	50	21.49	21.41	21.58						
20	25QAM	1	0	19.88	19.79	19.79			21	5		
20	25QAM	1	49	19.88	19.85	19.72						
20	25QAM	50	5	19.87	19.87	19.88			21	5		
20	25QAM	50	24	19.87	19.87	19.88						
20	25QAM	100	0	19.88	19.73	19.78			20	6		
20	25QAM	100	50	19.88	19.73	19.78						
Channel												
Frequency (MHz)												
16	QPSK	1	5	24.38	24.32	24.43			26	0		
16	QPSK	1	48	24.38	24.40	24.31						
16	QPSK	1	74	24.38	24.36	24.46			25	1		
16	QPSK	36	5	23.44	23.38	23.49						
16	QPSK	36	24	23.43	23.41	23.37			24	2		
16	QPSK	36	39	23.38	23.41	23.36						
16	QPSK	75	0	23.47	23.41	23.57			25	1		
16	16QAM	1	5	23.17	23.11	23.15						
16	16QAM	1	37	23.08	23.07	23.16			24	2		
16	16QAM	1	86	23.08	23.06	23.16						
16	16QAM	36	5	22.47	22.38	22.51			23	3		
16	16QAM	36	25	22.48	22.43	22.39						
16	16QAM	75	0	22.43	22.44	22.37			24	2		
16	8QAM	1	0	22.61	22.65	22.68						
16	8QAM	1	37	22.61	22.58	22.61			23	3		
16	8QAM	1	74	22.57	22.55	22.72						
16	8QAM	36	5	21.49	21.38	21.51			24	2		
16	8QAM	36	25	21.49	21.46	21.58						
16	8QAM	75	0	21.46	21.41	21.59			25	1		
16	8QAM	75	0	21.42	21.44	21.59						
16	25QAM	1	0	19.88	19.79	19.85			21	5		
16	25QAM	1	37	19.88	19.79	19.84						
16	25QAM	1	74	19.88	19.79	19.84			21	5		
16	25QAM	1	86	19.88	19.79	19.84						
16	25QAM	36	5	19.87	19.85	19.88			21	5		
16	25QAM	36	25	19.87	19.85	19.88						
16	25QAM	75	0	19.88	19.45	19.82			20	6		
16	25QAM	75	0	19.88	19.45	19.82						
Channel												
Frequency (MHz)												
16	QPSK	1	5	24.38	24.32	24.43			26	0		
16	QPSK	1	48	24.37	24.40	24.31						
16	QPSK	1	74	24.38	24.36	24.46			25	1		
16	QPSK	36	5	23.44	23.38	23.49						
16	QPSK	36	24	23.43	23.41	23.37			24	2		
16	QPSK	36	39	23.38	23.41	23.36						
16	QPSK	75	0	23.47	23.41	23.57			25	1		
16	16QAM	1	5	23.17	23.11	23.15						
16	16QAM	1	37	23.08	23.07	23.16			24	2		
16	16QAM	1	86	23.08	23.06	23.16						
16	16QAM	36	5	22.47	22.38	22.51			23	3		
16	16QAM	36	25	22.48	22.43	22.39						
16	16QAM	75	0	22.43	22.44	22.37			24	2		
16	8QAM	1	0	22.61	22.65	22.68						
16	8QAM	1	37	22.61	22.58	22.61			23	3		
16	8QAM	1	74	22.57	22.55	22.72						
16	8QAM	36	5	21.49	21.38	21.51			24	2		
16	8QAM	36	25	21.49	21.46	21.58						
16	8QAM	75	0	21.46	21.41	21.59			25	1		
16	8QAM	75	0	21.42	21.44	21.59						
16	25QAM	1	0	19.88	19.85	19.85			21	5		
16	25QAM	1	37	19.88	19.79	19.84						
16	25QAM	1	74	19.88	19.79	19.84			21	5		
16	25QAM	1	86	19.88	19.79	19.84						
16	25QAM	36	5	19.87	19.85	19.88			21	5		
16	25QAM	36	25	19.87	19.85	19.88						
16	25QAM	75	0	19.88	19.45	19.82			20	6		
16	25QAM	75	0	19.88	19.45	19.82						
Channel												
Frequency (MHz)												
16	QPSK	1	5	24.38	24.32	24.43			26	0		
16	QPSK	1	48	24.37	24.40	24.31						
16	QPSK	1	74	24.38	24.36	24.46			25	1		
16	QPSK	36	5	23.44	23.38	23.49						
16	QPSK	36	24	23.43	23.41	23.37			24	2		
16	QPSK	36	39	23.38	23.41	23.36						
16	QPSK	75	0	23.47	23.41	23.57			25	1		
16	16QAM	1	5	23.17	23.11	23.15						
16	16QAM	1	37	23.08	23.07	23.16			24	2		
16	16QAM	1	86	23.08	23.06	23.16						
16	16QAM	36	5	22.47	22.38	22.51			23	3		
16	16QAM	36	25	22.48	22.43	22.39						
16	16QAM	75	0	22.43	22.44	22.37			24	2		
16	8QAM	1	0	22.61	22.65	22.68						
16	8QAM	1	37	22.61	22.58	22.61			23	3		
16	8QAM	1	74	22.57	22.55	22.72						
16	8QAM	36	5	21.49	21.38	21.51			24	2		
16	8QAM	36	25	21.49	21.46	21.58						
16	8QAM	75	0	21.46	21.41	21.59			25	1		
16	8QAM	75	0	21.42	21.44	21.59						
16	25QAM	1	0	19.88	19.85	19.85			21	5		
16	25QAM	1	37	19.88	19.79	19.84						
16	25QAM	1	74	19.88	19.79	19.84			21	5		
16	25QAM	1	86	19.88	19.79	19.84						
16	25QAM	36	5	19.87	19.85	19.88			21	5		
16	25QAM	36	25	19.87	19.85	19.88						
16	25QAM	75	0	19.88	19.45	19.82			20	6		
16	25QAM	75	0	19.88	19.45	19.82						
Channel												
Frequency (MHz)												
16	QPSK	1	5	24.38	24.32	24.43			26	0		
16	QPSK	1	48	24.37	24.40	24.31						
16	QPSK	1	74	24.38	24.36	24.46			25	1		
16	QPSK	36	5	23.44	23.38	23.49						
16	QPSK	36	24	23.43	23.41	23.37			24	2		
16	QPSK	36	39	23.38	23.41	23.36						
16	QPSK	75	0	23.47	23.41	23.57			25	1		
16	16QAM	1	5	23.17	23.11	23.15						
16	16QAM	1	37	23.08	23.07	23.16			24	2		
16	16QAM	1	86	23.08	23.06	23.16						
16	16QAM	36	5	22.47	22.38	22.51			23	3		
16	16QAM	36	25	22.48	22.43	22.39						
16	16QAM	75	0	22.43	22.44	22.37			24	2		
16	8QAM	1	0	22.61	22.65	22.68						
16	8QAM	1	37	22.61	22.58	22.61			23	3		
16	8QAM	1	74	22.57	22.55	22.72						
16	8QAM	36	5	21.49	21.38	21.51			24	2		
16	8QAM	36	25	21.49	21.46	21.58						
16	8QAM	75	0	21.46	21.41	21.59			25	1		
16	8QAM	75	0	21.42	21.44	21.59						
16	25QAM	1	0	19.88	19.85	19.85			21	5		
16	25QAM	1	37	19.88	19.79	19.84						
16	25QAM	1	74	19.88	19.79	19.84			21	5		
16	25QAM	1	86	19.88	19.79	19.84						
16	25QAM	36	5	19.87	19.85	19.88			21	5		
16	25QAM	36	25	19.87	19.85	19.88						
16	25QAM	75	0	19.88	19.45	19.82			20	6		
16	25QAM	75	0	19.88	19.45	19.82						
Channel												
Frequency (MHz)												
16	QPSK	1	5	24.38	24.32	24.43			26	0		
16	QPSK	1	48	24.37	24.40	24.31						
16	QPSK	1	74	24.38	24.36	24.46			25	1		
16	QPSK	36	5	23.44	23.38	23.49						
16	QPSK	36	24	23.43	23.41	23.37			24	2		
16	QPSK	36	39	23.38	23.41	23.36						
16	QPSK	75	0	23.47	23.41	23.57			25	1		
16	16QAM	1	5	23.17	23.11	23.15						
16	16QAM	1	37	23.08	23.07	23.16			24	2		
16	16QAM	1	86	23.08	23.06	23.16						
16	16QAM	36	5	22.47	22.38	22.51			23	3		
16	16QAM	36	25	22.48	22.43	22.39						
16	16QAM	75	0	22.43	22.44	22.37						

Band 5_Ant 0											
BIR (deg)	Polarization	RIS Size	RIS Offset	Power (mW)		Power (mW)		Power (mW)	Turnup time (min)	MFR (dB)	
				Ch1 (F)	Ch2 (F)	Ch3 (F)	Ch4 (F)				
Channel											
3	DPKPR	1	0	24.47	24.53	24.55					
3	DPKPR	1	20	24.52	24.52	24.57			20	0	
3	DPKPR	1	40	24.51	24.51	24.56					
3	DPKPR	25	0	23.53	23.59	23.67					
3	DPKPR	25	12	23.52	24.51	23.73			25	1	
3	DPKPR	25	24	23.51	24.51	23.71					
3	DPKPR	50	0	23.59	23.68	23.68					
3	DPKPR	50	1	23.68	24.55	24.54			25	1	
3	DPKPR	50	2	23.68	24.55	24.54					
3	DPKPR	1	40	23.59	24.02	24.00					
3	DPKPR	25	0	22.58	24.81	22.71					
3	DPKPR	25	12	22.57	24.81	22.71			25	1	
3	DPKPR	25	24	22.57	24.81	22.71					
3	DPKPR	50	25	22.63	23.90	22.76			24	2	
3	DPKPR	50	0	22.65	24.89	22.71					
3	DPKPR	1	20	22.72	24.03	22.65					
3	DPKPR	1	40	22.78	24.03	22.65			24	2	
3	DPKPR	25	0	22.81	24.51	22.65					
3	DPKPR	25	12	21.87	21.83	21.71			23	3	
3	DPKPR	25	24	21.58	21.89	21.74					
3	DPKPR	50	0	21.87	21.87	21.87					
3	DPKPR	50	1	19.92	19.93	19.94					
3	DPKPR	50	2	20.11	20.04	19.92			21	5	
3	DPKPR	50	12	20.11	20.04	19.91					
3	DPKPR	50	24	19.77	19.98	19.93			21	5	
3	DPKPR	50	25	19.92	19.92	19.95					
3	DPKPR	50	0	19.98	19.98	19.98					
3	DPKPR	50	0	19.94	19.97	19.95					
Channel											
3	DPKPR	1	0	24.41	24.48	24.55			Turnup time (min)	MFR (dB)	
3	DPKPR	1	12	24.47	24.51	24.48					
3	DPKPR	1	24	24.47	24.51	24.48			20	0	
3	DPKPR	12	0	23.41	23.47	23.58					
3	DPKPR	12	7	23.46	23.46	23.54					
3	DPKPR	12	12	23.43	23.53	23.64					
3	DPKPR	12	19	23.48	23.53	23.58					
3	DPKPR	12	24	23.48	23.53	23.58					
3	DPKPR	1	0	23.85	23.81	23.85					
3	DPKPR	1	12	23.86	23.86	23.86			25	1	
3	DPKPR	1	24	23.78	23.84	23.85					
3	DPKPR	12	0	22.46	22.54	22.62					
3	DPKPR	12	12	22.51	22.51	22.51			24	2	
3	DPKPR	12	19	22.51	22.51	22.51					
3	DPKPR	12	24	22.46	22.74	22.82					
3	DPKPR	12	0	22.52	22.52	22.52					
3	DPKPR	12	7	21.50	21.58	21.68			24	2	
3	DPKPR	12	12	21.50	21.57	21.64					
3	DPKPR	12	19	21.50	21.54	21.58				</	

Band 5_Ant 2										
BW (MHz)	Subcarrier	Pilot Sub	Pilot Offset	Power Spectral Density (dBm/Hz)		Power Spectral Density (dBm/Hz)		Time-slot (ms)	MFR (MHz)	
				20465	20465	20465	20465			
Channel 1										
10	QPSK	1	0	24.47	24.51	24.53				
10	QPSK	1	25	24.52	24.52	24.47				
10	QPSK	1	50	24.47	24.51	24.53		26	0	
10	QPSK	25	0	23.53	23.60	23.67				
10	QPSK	25	12	23.52	23.54	23.73				
10	QPSK	25	25	23.53	23.60	23.67		25	1	
10	QPSK	50	0	23.59	23.58	23.68				
10	QPSK	50	0	23.68	23.68	23.68				
10	QPSK	50	1	23.68	23.68	23.68				
10	QPSK	50	25	23.59	23.58	23.68				
10	QPSK	50	25	23.68	23.68	23.68				
10	QPSK	50	0	22.85	22.89	23.21				
10	QPSK	50	25	22.85	22.89	23.21		24	2	
10	QPSK	50	0	22.92	22.92	23.05				
10	QPSK	50	25	22.92	22.92	23.05				
10	QPSK	1	25	22.72	23.03	23.05				
10	QPSK	1	49	22.78	23.03	23.05				
10	QPSK	1	49	22.78	23.03	23.05				
10	QPSK	1	25	23.05	23.03	23.20				
10	QPSK	1	25	23.05	23.03	23.20				
10	QPSK	25	12	21.87	21.83	21.71				
10	QPSK	25	25	21.88	21.88	21.74				
10	QPSK	50	0	21.87	21.87	21.87				
10	QPSK	50	0	19.82	19.83	19.94				
10	QPSK	1	25	20.11	20.04	19.92		21	5	
10	QPSK	1	49	20.08	19.98	19.11				
10	QPSK	25	0	19.77	19.78	19.30				
10	QPSK	25	12	19.88	19.82	19.35				
10	QPSK	25	25	19.88	19.82	19.35		21	5	
10	QPSK	50	0	19.84	19.87	19.35				
Channel 2										
10	QPSK	1	0	24.41	24.45	24.51				
10	QPSK	1	12	24.47	24.51	24.50				
10	QPSK	1	25	24.47	24.51	24.50				
10	QPSK	12	0	23.41	23.47	23.48				
10	QPSK	12	7	23.49	23.56	23.64				
10	QPSK	12	25	23.49	23.56	23.64		25	1	
10	QPSK	25	0	23.46	23.53	23.58				
10	QPSK	25	0	23.55	23.51	23.50				
10	QPSK	25	12	23.46	23.53	23.58				
10	QPSK	25	25	23.46	23.53	23.58		25	1	
10	QPSK	50	0	22.46	22.54	22.62				
10	QPSK	50	0	22.46	22.54	22.62				
10	QPSK	50	12	22.46	22.54	22.62		24	2	
10	QPSK	50	25	22.46	22.54	22.62				
10	QPSK	1	12	22.67	22.72	22.84				
10	QPSK	1	24	22.68	22.74	22.82				
10	QPSK	1	12	21.50	21.58	21.67				
10	QPSK	12	7	21.50	21.58	21.67				
10	QPSK	12	13	21.52	21.57	21.68				
10										

Band 7_Ant 1										
RF Freq	Module	RF Site	RF Output	Power Ch./Fm	Power 20dBm	Power 21dBm	Power 21.5dBm	Turn-on Time	Light On	
Channel										
Frequency (MHz)										
20	QFIR	1	0	21.25	21.25	21.25	21.25			0
20	QFIR	1	49	21.35	21.33	21.31	21.29		23	0
20	QFIR	50	0	20.38	20.38	20.38	20.38			
20	QFIR	50	24	20.38	20.38	20.38	20.38		22	1
20	QFIR	100	0	20.38	20.38	20.38	20.38			
20	IQMAM	1	0	20.50	20.47	20.45	20.43			
20	IQMAM	1	49	20.50	20.47	20.45	20.43		22	1
20	IQMAM	1	99	20.74	20.66	20.58	20.50			
20	IQMAM	50	0	19.48	19.41	19.38	19.35			
20	IQMAM	50	24	19.48	19.41	19.38	19.35		21	
20	IQMAM	50	100	19.48	19.40	19.35	19.32			
20	IQMAM	100	0	19.29	19.46	19.48	19.49			
20	IQMAM	100	49	19.48	19.36	19.32	19.28		21	
20	IQMAM	1	99	19.70	19.48	19.68	19.69			
20	IQMAM	50	24	18.42	18.48	18.44	18.44		20	3
20	IQMAM	50	50	18.38	18.40	18.31	18.31			
20	IQMAM	50	100	18.42	18.40	18.31	18.31			
20	IQMAM	1	99	18.86	18.72	18.75	18.75			
20	IQMAM	1	99	18.39	18.87	18.75	18.75		18	5
20	IQMAM	50	100	18.86	18.83	18.48	18.48			
20	IQMAM	50	0	18.83	18.88	18.85	18.85			
20	IQMAM	50	24	18.89	18.87	18.49	18.49		18	5
20	IQMAM	50	50	18.87	18.87	18.49	18.49			
20	IQMAM	100	0	18.74	18.50	18.49	18.49			
Channel										
Frequency (MHz)										
15	QFIR	1	0	21.25	21.15	21.15	21.15			
15	QFIR	1	97	21.31	21.20	21.20	21.20		23	0
15	QFIR	50	0	21.27	21.27	21.27	21.27			
15	QFIR	50	24	20.45	20.37	20.38	20.38			
15	QFIR	50	20	20.42	20.38	20.38	20.43		22	1
15	QFIR	100	0	20.42	20.42	20.42	20.42			
15	QFIR	75	0	20.49	20.35	20.42	20.42			
15	IQMAM	1	0	20.62	20.48	20.58	20.58			
15	IQMAM	1	49	20.58	20.58	20.58	20.58			
15	IQMAM	1	74	20.55	20.55	20.58	20.58			
15	IQMAM	50	0	19.41	19.31	19.31	19.31			
15	IQMAM	50	24	19.41	19.31	19.31	19.31		21	2
15	IQMAM	50	100	19.41	19.31	19.31	19.31			
15	IQMAM	1	97	19.55	19.48	19.52	19.52			
15	IQMAM	1	74	19.42	19.48	19.57	19.57			
15	IQMAM	50	20	18.43	18.36	18.43	18.43		20	3
15	IQMAM	50	50	18.37	18.34	18.45	18.45			
15	IQMAM	50	100	18.43	18.34	18.45	18.45			
15	IQMAM	1	97	17.75	16.76	16.82	16.82			
15	IQMAM	1	97	16.81	16.88	16.85	16.85		18	
15	IQMAM	50	20	16.82	16.88	16.85	16.85			
15	IQMAM	50	24	16.82	16.88	16.85	16.85		18	5
15	IQMAM	50	50	16.82	16.88	16.85	16.85			
15	IQMAM	100	0	16.81	16.76	16.82	16.82			
Channel										
Frequency (MHz)										
5	QFIR	1	0	21.15	21.05	21.05	21.05			
5	QFIR	1	99	21.20	21.10	21.10	21.10		23	0
5	QFIR	50	0	21.21	21.12	21.12	21.12			
5	QFIR	50	24	20.38	20.38	20.38	20.38			
5	QFIR	50	12	20.40	20.29	20.29	20.39		22	1
5	QFIR	25	0	20.50	20.27	20.28	20.28			
5	QFIR	25	24	20.37	20.27	20.27	20.27			
5	IQMAM	1	0	20.71	20.48	20.63	20.63			
5	IQMAM	1	49	20.80	20.61	20.63	20.63		22	1
5	IQMAM	25	0	19.40	19.28	19.31	19.31			
5	IQMAM	25	24	19.39	19.28	19.28	19.28			
5	IQMAM	25	25	19.31	19.35	19.39	19.39		21	2
5	IQMAM	50	0	19.38	19.28	19.38	19.38			
5	IQMAM	50	24	19.37	19.28	19.38	19.38			
5	IQMAM	1	25	19.53	19.53	19.53	19.53		21	2
5	IQMAM	1	49	19.53	19.48	19.51	19.51			
5	IQMAM	25	0	19.36	19.26	19.36	19.36			
5	IQMAM	25	12	19.41	19.35	19.43	19.43		20	
5	IQMAM	25	25	19.33	19.31	19.41	19.41			
5	IQMAM	50	0	19.36	19.26	19.36	19.36			
5	IQMAM	50	24	19.36	19.26	19.36	19.36			
5	IQMAM	1	25	18.47	18.88	18.45	18.45		18	5
5	IQMAM	1	49	18.86	18.83	18.45	18.45			
5	IQMAM	25	0	18.73	18.70	18.83	18.83			
5	IQMAM	25	12	18.69	18.81	18.84	18.84		18	5
5	IQMAM	25	24	18.69	18.80	18.84	18.84			
5	IQMAM	50	0	18.46	18.61	18.65	18.65			
Channel										
Frequency (MHz)										
20775	21100	21425						Turn-on Time	Light On	
5	QFIR	1	0	21.22	21.04	21.02	21.02			
5	QFIR	1	12	21.25	21.14	21.12	21.12		23	0
5	QFIR	1	24	21.19	21.09	21.04	21.04			
5	QFIR	12	0	20.38	20.38	20.38	20.38			
5	QFIR	12	7	20.38	20.37	20.41	20.41		22	1
5	QFIR	12	13	20.39	20.39	20.43	20.43			
5	QFIR	12	24	20.38	20.34	20.39	20.39			
5	IQMAM	1	0	20.66	20.40	20.52	20.52			
5	IQMAM	1	12	20.72	20.70	20.68	20.68		22	1
5	IQMAM	1	24	20.72	20.72	20.68	20.68			
5	IQMAM	12	0	19.37	19.24	19.48	19.48			
5	IQMAM	12	7	19.38	19.34	19.48	19.48		21	2
5	IQMAM	12	13	19.42	19.34	19.48	19.48			
5	IQMAM	25	0	19.28	19.30	19.38	19.38			
5	IQMAM	25	12	19.32	19.35	19.38	19.38			
5	IQMAM	25	13	19.48	19.48	19.48	19.48		21	2
5	IQMAM	1	24	19.68	19.52	19.57	19.57			
5	IQMAM	12	0	18.35	18.38	18.42	18.42		20	3
5	IQMAM	12	7	18.38	18.34	18.42	18.42			
5	IQMAM	25	0	18.33	18.30	18.49	18.49			
5	IQMAM	25	13	18.33	18.30	18.49	18.49			
5	IQMAM	1	12	18.58	18.62	18.69	18.69		18	5
5	IQMAM	1	24	18.58	18.62	18.69	18.69			
5	IQMAM	12	0	18.68	18.68	18.64	18.64			
5	IQMAM	12	7	18.68	18.76	18.54	18.54		18	5
5	IQMAM	25	0	18.76	18.56	18.53	18.53			

Band 7_Ant 2										
BS ID	Modulation	RB No.	RB Offset	Power [dBm]	Power [dBm]	Power [dBm]	Turnup [dB]	MPR [dB]		
Channel										
Frequency (MHz)										
15	QPSK	1	9	22.80	22.91	23.70				
15	QPSK	1	46	22.86	22.93	23.84	24.5	0		
15	QPSK	36	24	22.86	22.93	23.84				
15	QPSK	50	20	22.95	23.01	22.87				
15	QPSK	50	24	22.89	22.93	23.21	23.5	1		
15	QPSK	50	36	22.89	22.93	23.21				
15	QPSK	50	46	22.98	23.00	21.97				
15	QPSK	50	50	22.92	22.92	22.92	23.5	1		
15	QPSK	50	56	21.17	21.00	20.88				
15	QPSK	50	58	21.04	21.04	21.04				
15	QPSK	50	50	21.08	21.04	21.01	22.5			
15	QPSK	100	0	21.13	21.03	20.80				
15	QPSK	100	24	21.13	21.13	21.13				
15	QPSK	1	46	21.12	21.14	21.18	22.5			
15	QPSK	1	90	21.26	21.11	21.14				
15	QPSK	50	24	20.12	20.02	20.91	21.5	3		
15	QPSK	50	36	20.08	20.03	20.00				
15	QPSK	50	50	18.47	18.37	18.22				
15	QPSK	50	56	18.11	18.41	18.22	19.5	5		
15	QPSK	50	58	17.69	17.70	18.20				
15	QPSK	50	6	18.18	18.22	18.40				
15	QPSK	50	18	18.33	18.11	18.18	19.5	5		
15	QPSK	50	24	18.25	18.08	18.08				
15	QPSK	50	30	18.25	18.08	18.08				
Channel										
Frequency (MHz)										
15	QPSK	1	9	22.02	22.08	22.95				
15	QPSK	1	37	22.06	22.91	22.70	24.5	0		
15	QPSK	36	24	22.06	22.98	22.98				
15	QPSK	36	20	21.93	22.05	23.37				
15	QPSK	36	20	22.00	21.98	21.97	23.5	1		
15	QPSK	36	24	22.00	21.98	21.97				
15	QPSK	36	20	21.94	21.90	21.90				
15	QPSK	70	0	22.29	22.13	22.11				
15	QPSK	70	24	22.29	22.29	22.29	23.5	1		
15	QPSK	1	14	22.12	22.14	22.14				
15	QPSK	36	20	21.13	20.98	20.72				
15	QPSK	36	20	20.97	20.97	20.97	22.5	2		
15	QPSK	36	90	21.00	20.87	20.70				
15	QPSK	70	0	20.95	21.05	20.78				
15	QPSK	70	24	20.95	21.05	20.78				
15	QPSK	70	24	20.95	21.05	20.78				
15	QPSK	1	37	21.18	20.88	20.88	22.5	2		
15	QPSK	1	74	21.19	21.03	20.90				
15	QPSK	36	20	20.15	20.05	19.90	21.5	3		
15	QPSK	36	20	20.15	19.95	19.71				
15	QPSK	36	30	20.06	20.08	19.72				
15	QPSK	36	30	20.06	20.08	19.72	19.5			
15	QPSK	36	30	18.44	18.22	18.20				
15	QPSK	36	36	18.25	18.22	18.23				
15	QPSK	36	20	18.19	18.03	18.15	19.5	5		
15	QPSK	36	24	18.12	17.98	18.08				
15	QPSK	36	30	18.23	18.15	17.70				
Channel										
Frequency (MHz)										
15	QPSK	1	9	22.81	22.98	23.60				
15	QPSK	1	26	22.82	22.96	22.87	24.5	0		
15	QPSK	36	46	22.75	22.88	22.82				
15	QPSK	36	58	22.78	22.94	22.71				
15	QPSK	24	12	22.16	21.95	22.08	23.5	1		
15	QPSK	24	25	21.88	21.81	21.79				
15	QPSK	24	25	21.87	21.81	21.79				
15	QPSK	1	9	22.08	21.95	22.01	23.5	1		
15	QPSK	1	26	22.11	22.07	22.07				
15	QPSK	1	46	22.25	21.92	22.01				
15	QPSK	24	0	21.20	20.95	20.92				
15	QPSK	24	12	21.20	20.95	20.92				
15	QPSK	24	25	20.83	20.87	20.71	22.5	2		
15	QPSK	50	8	21.07	20.78	20.74				
15	QPSK	50	18	21.07	20.78	20.74				
15	QPSK	50	24	21.36	20.87	21.05	22.5	2		
15	QPSK	1	46	21.24	21.02	21.04				
15	QPSK	1	90	21.38	21.02	21.02				
15	QPSK	24	12	20.12	19.85	19.80	21.5	3		
15	QPSK	24	25	19.80	19.67	19.57				
15	QPSK	24	25	19.80	19.67	19.57				
15	QPSK	24	1	18.48	18.32	18.30				
15	QPSK	24	1	18.48	18.32	18.30	19.5	5		
15	QPSK	24	12	18.20	18.19	18.03				
15	QPSK	24	18	18.18	18.00	18.00				
15	QPSK	24	24	18.18	18.20	18.45				
15	QPSK	24	12	18.23	17.98	18.18	19.5	5		
15	QPSK	24	18	18.23	17.98	18.18				
15	QPSK	24	24	17.99	17.90	17.82				
Channel										
Frequency (MHz)										
15	QPSK	1	9	22.82	22.95	23.65				
15	QPSK	1	12	22.84	22.91	22.95	24.5	0		
15	QPSK	36	24	22.75	22.81	22.85				
15	QPSK	36	20	22.87	22.91	22.87				
15	QPSK	50	12	21.83	21.87	21.83	23.5	1		
15	QPSK	50	12	21.89	21.91	21.75				
15	QPSK	50	12	21.87	21.88	21.75				
15	QPSK	1	9	22.13	22.09	22.09	23.5	1		
15	QPSK	1	12	22.33	22.31	22.44	23.5	1		
15	QPSK	1	24	22.33	22.33	22.33				
15	QPSK	1	36	21.03	20.79	20.68				
15	QPSK	12	0	20.89	20.89	20.89	22.5	2		
15	QPSK	12	12	20.89	20.89	20.89				
15	QPSK	12	12	18.48	18.13	18.25				
15	QPSK	12	18	18.42	18.21	18.21	19.5	5		
15	QPSK	12	24	18.42	18.24	18.24				
15	QPSK	12	24	18.07	18.15	18.15				
15	QPSK	12	18	18.12	18.18	18.18	19.5	5		
15	QPSK	12	24	18.07	18.08	18.08				
15	QPSK	12	30	18.30	18.00	18.17				



Band 12_Ant 0													
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch./Freq.	Power Lvl Ch./Freq.	Power Lvl Ch./Freq.	Time-use (sec/100)	MFR (dB)					
Channel													
Frequency (MHz)				764	767.5	771							
10	QPSK	1	0	24.09	24.07	24.13	26	0					
10	QPSK	1	26	24.13	24.21	24.28							
10	QPSK	25	0	23.16	23.17	23.23	25	1					
10	QPSK	25	12	23.17	23.17	23.20							
10	QPSK	25	25	23.25	23.26	23.30	24	2					
10	QPSK	50	0	23.25	23.26	23.30							
10	16QAM	1	0	23.36	23.36	23.43	25	1					
10	16QAM	1	25	23.38	23.34	23.63							
10	16QAM	1	48	23.71	23.70	23.70	25	1					
10	16QAM	25	0	23.22	23.20	23.25							
10	16QAM	25	12	23.22	23.25	23.31	24	2					
10	16QAM	25	25	23.26	23.30	23.40							
10	16QAM	50	0	23.26	23.26	23.30	25	1					
10	16QAM	50	0	23.26	23.26	23.30							
10	16QAM	1	26	22.94	22.47	22.50	24	2					
10	16QAM	1	49	22.50	22.56	22.59							
10	16QAM	25	0	21.39	21.21	21.24	23	3					
10	16QAM	25	12	21.27	21.31	21.29							
10	16QAM	25	25	21.28	21.30	21.30	21	5					
10	16QAM	50	0	21.29	21.29	21.30							
10	25QAM	1	0	19.24	19.41	19.41	21	5					
10	25QAM	1	26	19.63	19.53	19.61							
10	25QAM	1	49	19.42	19.48	19.27	21	5					
10	25QAM	25	0	19.28	19.28	19.30							
10	25QAM	25	12	19.28	19.40	19.38	21	5					
10	25QAM	25	25	19.38	19.44	19.48							
10	25QAM	50	0	19.38	19.44	19.48	Time-use (sec/100)						
Channel				23017	23065	23173	MFR (dB)						
Frequency (MHz)				761.5	767.5	773.5							
5	QPSK	1	0	24.15	24.13	24.28	26	0					
5	QPSK	1	12	24.24	24.27	24.35							
5	QPSK	1	24	24.20	24.23	24.30	25	1					
5	QPSK	12	0	23.16	23.18	23.28							
5	QPSK	12	7	23.20	23.27	23.30	24	2					
5	QPSK	12	13	23.22	23.24	23.35							
5	QPSK	25	0	23.22	23.24	23.36	25	1					
5	16QAM	1	0	23.48	23.48	23.63							
5	16QAM	1	12	23.69	23.63	23.74	24	2					
5	16QAM	1	24	23.70	23.56	23.67							
5	16QAM	12	0	23.22	23.21	23.33	23	3					
5	16QAM	12	7	23.31	23.32	23.41							
5	16QAM	12	13	23.24	23.29	23.40	25	1					
5	16QAM	25	0	23.26	23.27	23.37							
5	16QAM	25	0	23.26	23.27	23.37	24	2					
5	16QAM	1	0	22.57	22.44	22.60							
5	16QAM	1	24	22.41	22.44	22.50	23	3					
5	16QAM	12	0	21.19	21.23	21.30							
5	16QAM	12	13	21.24	21.29	21.40	21	5					
5	16QAM	25	0	21.26	21.26	21.47							
5	25QAM	1	0	19.42	19.42	19.45	21	5					
5	25QAM	1	12	19.62	19.62	19.55							
5	25QAM	1	24	19.47	19.48	19.29	21	5					
5	25QAM	12	0	19.46	19.46	19.36							
5	25QAM	12	7	19.40	19.17	19.27	Time-use (sec/100)						
Channel				23055	23065	23165	MFR (dB)						
Frequency (MHz)				761.5	767.5	773.5							
3	QPSK	1	0	24.18	24.18	24.24	26	0					
3	QPSK	1	8	24.22	24.25	24.35							
3	QPSK	1	14	24.09	24.12	24.25	25	1					
3	QPSK	8	0	23.26	23.27	23.30							
3	QPSK	8	4	23.24	23.28	23.42	24	2					
3	QPSK	8	7	23.20	23.23	23.36							
3	16QAM	1	0	23.36	23.36	23.48	25	1					
3	16QAM	1	8	23.59	23.64	23.78							
3	16QAM	1	14	23.47	23.40	23.51	24	2					
3	16QAM	8	0	22.33	22.30	22.41							
3	16QAM	8	4	22.34	22.37	22.48	23	3					
3	16QAM	8	7	21.92	21.92	21.98							
3	16QAM	15	0	22.28	22.28	22.33	24	2					
3	16QAM	1	0	22.43	22.42	22.51							
3	16QAM	1	8	22.44	22.51	22.62	23	3					
3	16QAM	1	14	22.39	22.43	22.55							
3	16QAM	8	0	21.27	21.24	21.39	25	1					
3	16QAM	8	4	21.31	21.26	21.45							
3	16QAM	8	7	21.29	21.27	21.42	24	2					
3	16QAM	15	0	21.26	21.26	21.33							
3	25QAM	1	0	19.28	19.26	19.35	21	5					
3	25QAM	1	8	19.46	19.41	19.66							
3	25QAM	1	14	19.31	19.26	19.36	21	5					
3	25QAM	8	0	19.06	19.05	19.27							
3	25QAM	8	4	19.34	19.31	19.39	21	5					
3	25QAM	8	7	19.21	19.34	19.52							
3	25QAM	15	0	19.24	19.15	19.62	Time-use (sec/100)						
Channel				23017	23065	23173	MFR (dB)						
Frequency (MHz)				766.7	767.5	773.5							
1.4	QPSK	1	0	24.17	24.16	24.31	26	0					
1.4	QPSK	1	3	24.19	24.20	24.35							
1.4	QPSK	1	5	24.12	24.15	24.30	25	1					
1.4	QPSK	3	0	24.23	24.23	24.30							
1.4	QPSK	3	1	24.22	24.20	24.28	24	2					
1.4	QPSK	3	3	24.19	24.22	24.35							
1.4	QPSK	8	0	23.18	23.20	23.27	25	1					
1.4	16QAM	1	0	23.67	23.63	23.74							
1.4	16QAM	1	3	23.63	23.67	23.78	24	2					
1.4	16QAM	1	5	23.61	23.56	23.66							
1.4	16QAM	3	0	23.38	23.46	23.51	23	3					
1.4	16QAM	3	1	23.40	23.38	23.54							
1.4	16QAM	3	3	23.33	23.38	23.51	24	2					
1.4	16QAM	8	0	22.36	22.27	22.37							
1.4	16QAM	1	0	22.47	22.34	22.58	24	2					
1.4	16QAM	1	3	22.41	22.42	22.63							
1.4	16QAM	3	0	22.37	22.37	22.48	23	3					
1.4	16QAM	3	1	22.34	22.32	22.51							
1.4	16QAM	3	3	22.29	22.35	22.50	21	5					
1.4	16QAM	6	0	21.23	21.23	21.34							
1.4	25QAM	1	3	19.96	19.57	19.59	21	5					
1.4	25QAM	1	5	19.81	19.27	19.29							
1.4	25QAM	3	0	19.54	19.20	19.21	21	5					
1.4	25QAM	3	1	19.21	19.28	19.43							
1.4	25QAM	3	3	19.26	19.36	19.58	21	5					
1.4	25QAM	6	0	19.22	19.20	19.31							

Band 17_Ant_0									
BW (MHz)	Modulation	RB Sub	RB Offset	Power Ch./Freq.	Power Mod./Ch./Freq.	Power High Ch./Freq.	Turn-on time (sec)	APRS (dB)	
Channel									
Frequency (MHz)									
16	QPSK	1	5	24.07	24.10	24.10			
16	QPSK	1	20	24.20	24.21	24.20			
16	QPSK	1	40	24.30	24.30	24.30			
16	QPSK	25	0	23.21	23.21	23.20			
16	QPSK	25	12	23.20	23.20	23.15			
16	QPSK	25	25	23.27	23.28	23.32			
16	QPSK	50	0	23.28	23.22	23.30			
16	16QAM	1	5	23.50	23.53	23.50			
16	16QAM	1	20	23.50	23.50	23.57			
16	16QAM	1	40	23.51	23.51	23.70			
16	16QAM	25	0	22.50	22.50	22.57			
16	16QAM	25	12	22.50	22.50	22.50			
16	16QAM	25	25	22.51	22.50	22.50			
16	16QAM	50	0	22.50	22.50	22.57			
16	16QAM	1	0	22.51	22.50	22.41			
16	16QAM	1	20	22.45	22.41	22.51			
16	16QAM	1	40	22.50	22.49	22.62			
16	16QAM	25	0	21.50	21.24	21.27			
16	16QAM	25	12	21.50	21.28	21.32			
16	16QAM	25	25	21.50	21.29	21.30			
16	16QAM	50	0	21.50	21.23	21.27			
16	16QAM	1	0	19.00	19.00	19.40			
16	25QAM	1	5	19.50	19.50	19.50			
16	25QAM	1	40	19.47	19.42	19.51			
16	25QAM	25	0	19.51	19.50	19.50			
16	25QAM	25	12	19.40	19.40	19.42			
16	25QAM	25	25	19.51	19.51	19.54			
16	25QAM	50	0	19.10	19.10	19.10			
Channel									
Frequency (MHz)									
5	QPSK	1	5	24.10	24.24	24.20			
5	QPSK	1	12	24.20	24.20	24.31			
5	QPSK	1	24	24.10	24.19	24.28			
5	QPSK	12	0	23.20	23.27	23.34			
5	QPSK	12	7	23.20	23.20	23.20			
5	QPSK	12	13	23.19	23.27	23.31			
5	QPSK	25	0	23.20	23.22	23.27			
5	16QAM	1	5	23.50	23.50	23.70			
5	16QAM	1	12	23.61	23.65	23.70			
5	16QAM	1	24	23.42	23.57	23.59			
5	16QAM	12	0	22.20	22.31	22.30			
5	16QAM	12	7	22.27	22.30	22.30			
5	16QAM	12	13	22.28	22.32	22.30			
5	16QAM	25	0	22.20	22.20	22.31			
5	16QAM	1	0	22.40	22.20	22.60			
5	16QAM	1	12	22.47	22.00	22.60			
5	16QAM	1	24	22.42	22.53	22.54			
5	16QAM	12	0	21.20	21.31	21.37			
5	16QAM	12	7	21.20	21.30	21.30			
5	16QAM	12	13	21.10	21.21	21.21			
5	16QAM	25	0	21.20	21.20	21.37			
5	25QAM	1	5	19.40	19.24	19.40			
5	25QAM	1	12	19.50	19.53	19.54			
5	25QAM	1	24	19.44	19.41	19.53			
5	25QAM	12	0	19.20	19.21	19.21			
5	25QAM	12	7	19.20	19.20	19.20			
5	25QAM	12	13	19.40	19.50	19.41			
5	25QAM	25	0	19.10	19.10	19.10			

Band 17_Ant_2									
BW (MHz)	Modulation	RB Sub	RB Offset	Power Ch./Freq.	Power Mod./Ch./Freq.	Power High Ch./Freq.	Turn-on time (sec)	APRS (dB)	
Channel									
Frequency (MHz)									
16	QPSK	1	5	24.07	24.10	24.10			
16	QPSK	1	20	24.20	24.21	24.20			
16	QPSK	1	40	24.30	24.30	24.30			
16	QPSK	25	0	23.21	23.21	23.20			
16	QPSK	25	12	23.20	23.20	23.15			
16	QPSK	25	25	23.27	23.28	23.32			
16	QPSK	50	0	23.28	23.22	23.30			
16	16QAM	1	5	23.50	23.53	23.50			
16	16QAM	1	20	23.50	23.50	23.57			
16	16QAM	1	40	23.51	23.51	23.70			
16	16QAM	25	0	22.50	22.50	22.57			
16	16QAM	25	12	22.50	22.50	22.50			
16	16QAM	25	25	22.51	22.50	22.50			
16	16QAM	50	0	22.50	22.50	22.57			
16	16QAM	1	0	22.51	22.50	22.41			
16	16QAM	1	20	22.45	22.41	22.51			
16	16QAM	1	40	22.50	22.49	22.62			
16	16QAM	25	0	21.50	21.24	21.27			
16	16QAM	25	12	21.50	21.28	21.32			
16	16QAM	25	25	21.50	21.29	21.30			
16	16QAM	50	0	21.50	21.23	21.27			
16	16QAM	1	0	19.00	19.00	19.40			
16	25QAM	1	5	19.50	19.50	19.50			
16	25QAM	1	40	19.47	19.42	19.51			
16	25QAM	25	0	19.51	19.50	19.50			
16	25QAM	25	12	19.40	19.40	19.42			
16	25QAM	25	25	19.51	19.51	19.54			
16	25QAM	50	0	19.10	19.10	19.10			
Channel									
Frequency (MHz)									
5	QPSK	1	5	24.10	24.24	24.20			
5	QPSK	1	12	24.20	24.20	24.31			
5	QPSK	1	24	24.10	24.19	24.28			
5	QPSK	12	0	23.20	23.27	23.34			
5	QPSK	12	7	23.20	23.20	23.20			
5	QPSK	12	13	23.19	23.27	23.31			
5	QPSK	25	0	23.20	23.22	23.27			
5	16QAM	1	5	23.50	23.50	23.70			
5	16QAM	1	12	23.61	23.65	23.70			
5	16QAM	1	24	23.42	23.57	23.59			
5	16QAM	12	0	22.20	22.31	22.30			
5	16QAM	12	7	22.27	22.30	22.30			
5	16QAM	12	13	22.28	22.32	22.30			
5	16QAM	25	0	22.20	22.20	22.31			
5	16QAM	1	0	22.40	22.20	22.60			
5	16QAM	1	12	22.47	22.00	22.60			
5	16QAM	1	24	22.42	22.53	22.54			
5	16QAM	12	0	21.20	21.31	21.37			
5	16QAM	12	7	21.20	21.30	21.30			
5	16QAM	12	13	21.10	21.21	21.21			
5	16QAM	25	0	21.20	21.20	21.37			
5	25QAM	1	5	19.40	19.24	19.40			
5	25QAM	1	12	19.50	19.53	19.54			
5	25QAM	1	24	19.44	19.41	19.53			
5	25QAM	12	0	19.20	19.21	19.21			
5	25QAM	12	7	19.20	19.20	19.20			
5	25QAM	12	13	19.40	19.50	19.41			
5	25QAM	25	0	19.10	19.10	19.10			

Band 25_Ant 1									
BW (MHz)	Modulation	RB Sub	RB Offset	Power Ch./Freq.	Power Mod./Ch./Freq.	Power Peak Ch./Freq.	Turn-on time (sec)	APRS (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	5	24.44	24.47	24.50			0
30	QPSK	1	20	24.40	24.40	24.40	26		
30	QPSK	1	40	24.35	24.44	24.40			
30	QPSK	50	0	23.47	23.52	23.53			
30	QPSK	50	12	23.40	23.40	23.40	20		1
30	QPSK	50	25	23.40	23.50	23.50			
30	QPSK	100	0	23.51	23.50	23.60			
30	QPSK	100	12	23.50	23.50	23.70	20		1
30	QPSK	100	25	23.50	23.51	23.97			
30	16QAM	1	40	23.80	23.80	23.97	20		1
30	16QAM	1	90	23.80	23.80	23.70			
30	16QAM	50	0	22.40	22.40	22.50			
30	16QAM	50	24	22.50	22.50	22.64			
30	16QAM	100	0	22.50	22.50	22.62			
30	16QAM	1	0	22.62	22.70	22.70			
30	16QAM	1	40	22.71	22.60	22.60	24		2
30	16QAM	1	90	22.62	22.60	22.67			
30	16QAM	50	0	21.40	21.54	21.50			
30	16QAM	50	24	21.50	21.62	21.64	23		3
30	16QAM	100	0	21.50	21.50	21.61			
30	16QAM	1	0	21.52	21.50	21.52			
30	16QAM	1	0	19.10	19.10	19.40	21		5
30	16QAM	1	30	19.40	19.40	19.40			
30	16QAM	1	30	19.30	19.32	19.34			
30	16QAM	30	0	19.10	19.10	19.10	21		5
30	16QAM	30	12	19.12	19.11	19.17			
30	16QAM	30	25	19.10	19.10	19.51			
30	25QAM	1	5	19.40	19.40	19.40	21		5
30	25QAM	1	30	19.30	19.32	19.34			
30	25QAM	1	60	19.40	19.40	19.40			
30	25QAM	30	0	19.10	19.10	19.10			
30	25QAM	30	12	19.12	19.11	19.17			
30	25QAM	30	25	19.10	19.10	19.51			
30	25QAM	100	0	19.10	19.10	19.10			
Channel									
Frequency (MHz)									
5	QPSK	1	5	24.20	24.20	24.20	26		0
5	QPSK	1	12	24.38	24.40	24.40			
5	QPSK	1	24	24.34	24.40	24.40			
5	QPSK	14	7	23.39	23.40	23.40	20		1
5	QPSK	14	13	23.47	23.47	23.51			
5	QPSK	14	19	23.48	23.48	23.50			
5	QPSK	18	9	23.68	23.70	23.75	20		1
5	QPSK	18	15	23.71	23.70	23.79			
5	QPSK	18	21	23.69	23.69	23.73			
5	16QAM	1	4	23.43	23.51	23.52	24		2
5	16QAM	1	10	23.47	23.48	23.50			
5	16QAM	1	16	23.47	23.48	23.50			
5	16QAM	12	7	23.41	23.41	23.43	23		3
5	16QAM	12	13	23.38	23.32	23.33			
5	16QAM	12	19	23.41	23.41	23.43			
5	16QAM	18	9	23.63	23.65	23.67	21		5
5	16QAM	18	15	23.61	23.61	23.64			
5	16QAM	18	21	23.60	23.60	23.64			
5	16QAM	12	0	23.33	23.34	23.35			
5	16QAM	12	7	23.67	23.68	23.68	21		5
5	16QAM	12	13	23.64	23.64	23.67			
5	16QAM	12	19	23.69	23.62	23.66			
5	16QAM	20	0	23.49	23.50	23.50			
Channel									
Frequency (MHz)									
3	QPSK	1	5	24.26	24.30	24.32	26		0
3	QPSK	1	6	24.38	24.40	24.40			
3	QPSK	1	12	24.30	24.30	24.30	20		1
3	QPSK	6	4	23.41	23.50	23.44			
3	QPSK	6	10	23.47	23.46	23.50	20		1
3	QPSK	18	0	23.38	23.47	23.43			
3	QPSK	18	6	23.69	23.74	23.77	20		1
3	QPSK	18	12	23.77	23.78	23.80			
3	16QAM	1	14	23.69	23.77	23.79	24		2
3	16QAM	1	20	23.68	23.69	23.71			
3	16QAM	6	0	23.40	23.59	23.51			
3	16QAM	6	6	23.47	23.48	23.50	21		5
3	16QAM	6	12	23.45	23.46	23.47			
3	16QAM	18	0	23.32	23.36	23.34			
3	16QAM	18	6	23.62	23.70	23.70	21		5
3	16QAM	18	12	23.61	23.61	23.64			
3	16QAM	18	18	23.60	23.60	23.64			
3	16QAM	18	24	23.60	23.60	23.64			
3	16QAM	18	30	23.60	23.60	23.64			
3	16QAM	18	36	23.60	23.60	23.64			
3	16QAM	18	42	23.60	23.60	23.64			
3	16QAM	18	48	23.60	23.60	23.64			
3	16QAM	18	54	23.60	23.60	23.64			
3	16QAM	18	60	23.60	23.60	23.64			
3	16QAM	18	66	23.60	23.60	23.64			
3	16QAM	18	72	23.60	23.60	23.64			
3	16QAM	18	78	23.60	23.60	23.64			
3	16QAM	18	84	23.60	23.60	23.64			
3	16QAM	18	90	23.60	23.60	23.64			
3	16QAM	18	96	23.60	23.60	23.64			
3	16QAM	18	102	23.60	23.60	23.64			
3	16QAM	18	108	23.60	23.60	23.64			
3	16QAM	18	114	23.60	23.60	23.64			
3	16QAM	18	120	23.60	23.60	23.64			
3	16QAM	18	126	23.60	23.60	23.64			
3	16QAM	18	132	23.60	23.60	23.64			
3	16QAM	18	138	23.60	23.60	23.64			
3	16QAM	18	144	23.60	23.60	23.64			
3	16QAM	18	150	23.60	23.60	23.64			
3	16QAM	18	156	23.60	23.60	23.64			
3	16QAM	18	162	23.60	23.60	23.64			
3	16QAM	18	168	23.60	23.60	23.64			
3	16QAM	18	174	23.60	23.60	23.64			
3	16QAM	18	180	23.60	23.60	23.64			
3	16QAM	18	186	23.60	23.60	23.64			
3	16QAM	18	192	23.60	23.60	23.64			
3	16QAM	18	198	23.60	23.60	23.64			
3	16QAM	18	204	23.60	23.60	23.64			
3	16QAM	18	210	23.60	23.60	23.64			
3	16QAM	18	216	23.60	23.60	23.64			
3	16QAM	18	222	23.60	23.60	23.64			
3	16QAM	18	228	23.60	23.60	23.64			
3	16QAM	18	234	23.60	23.60	23.64			
3	16QAM	18	240	23.60	23.60	23.64			
3	16QAM	18	246	23.60	23.60	23.64			
3	16QAM	18	252	23.60	23.60	23.64			
3	16QAM	18	258	23.60	23.60	23.64			
3	16QAM	18	264	23.60	23.60	23.64			
3	16QAM	18	270	23.60	23.60	23.64			
3	16QAM	18	276	23.60	23.60	23.64			
3	16QAM	18	282	23.60	23.60	23.64			
3	16QAM	18	288	23.60	23.60	23.64			
3	16QAM	18	294	23.60	23.60	23.64			
3	16QAM	18	300	23.60	23.60	23.64			
3	16QAM	18	306	23.60	23.60	23.64			
3	16QAM	18	312	23.60	23.60	23.64			
3	16QAM	18	318	23.60	23.60	23.64			
3	16QAM	18	324	23.60	23.60	23.64			
3	16QAM	18	330	23.60	23.60	23.64			
3	16QAM	18	336	23.60	23.60	23.64			
3	16QAM	18	342	23.60	23.60	23.64			
3	16QAM	18	348	23.60	23.60	23.64			
3	16QAM	18	354	23.60	23.60	23.64			
3	16QAM	18	360	23.60	23.60	23.64			
3	16QAM	18	366	23.60	23.60	23.64			
3	16QAM	18	372	23.60	23.60	23.64			
3	16QAM	18	378	23.60	23.60	23.64			
3	16QAM	18	384	23.60	23.60	23.64			
3	16QAM	18	390	23.60	23.60	23.64			
3	16QAM	18	396	23.60	23.60	23.64			
3	16QAM	18	402	23.60	23.60	23.64			
3	16QAM	18	408	23.60	23.60	23.64			
3	16QAM	18	414	23.60	23.60	23.64			
3	16QAM	18	420	23.60	23.60	23.64			
3	16QAM	18	426	23.60	23.60	23.64			
3	16QAM	18	432	23.60	23.60	23.64			
3	16QAM	18	438	23.60	23.60	23.64			
3	16QAM	18	444	23.60	23.60	23.64			
3	16QAM	18	450	23.60	23.60	23.64			
3	16QAM	18	456	23.60	23.60	23.64			
3	16QAM	18	462	23.60	23.60	23.64			
3	16QAM	18	468	23.60	23.60	23.64			
3	16QAM	18	474	23.60	23.60	23.64			
3	16QAM	18	480	23.60	23.60	23.64			
3	16QAM	18	486	23.60	23.60	23.64			
3	16QAM	18	492	23.60	23.60	23.64			
3	16QAM	18	498	23.60	23.60	23.64			
3	16QAM	18	504	23.60	23.60	23.64			
3	16QAM	18	510	23.60	23.60	23.64			
3	16QAM	18	516	23.60	23.60	23.64			
3	16QAM	18	522	23.60	23.60	23.64			
3	16QAM	18	528	23.60	23.60	23.64			
3	16QAM	18	534	23.60	23.60	23.64			
3	16QAM	18	540	23.60	23				



Band 26_Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-on time (sec)	MFR (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	5	24.43	24.43	24.57	26	0						
15	QPSK	1	37	24.52	24.53	24.66								
15	QPSK	1	74	24.59	24.60	24.73	25	1						
15	QPSK	36	0	23.47	23.52	23.65								
15	QPSK	36	20	23.63	23.72	23.75	25	1						
15	QPSK	36	39	23.63	23.64	23.72								
15	16QAM	1	0	23.75	23.77	23.82	25	1						
15	16QAM	1	37	23.82	23.86	24.05								
15	16QAM	1	74	23.84	23.85	23.98	24	2						
15	16QAM	36	0	22.49	22.55	22.66								
15	16QAM	36	20	22.62	22.61	22.73	24	2						
15	16QAM	36	39	22.66	22.66	22.73								
15	16QAM	75	0	22.69	22.59	22.67	24	2						
15	8QAM	1	0	22.69	22.72	22.87								
15	8QAM	1	37	22.76	22.80	22.97	23	3						
15	8QAM	1	74	22.84	22.79	22.98								
15	8QAM	36	0	21.61	21.62	21.76	23	3						
15	8QAM	36	20	21.63	21.66	21.77								
15	8QAM	36	39	21.64	21.58	21.66	21	5						
15	8QAM	75	0	19.72	19.80	19.85								
15	8QAM	75	0	19.72	19.83	19.71	20							
15	8QAM	75	0	19.87	19.86	19.86								
15	8QAM	75	0	19.77	19.80	19.85								
15	8QAM	75	0	19.57	19.61	19.61								
15	8QAM	75	0	19.84	19.74	19.76	21	5						
15	8QAM	75	0	19.57	19.71	19.64								
15	8QAM	75	0	19.57	19.65	19.65	20							
15	8QAM	75	0	19.57	19.62	19.65								
Channel														
Frequency (MHz)														
15	QPSK	1	5	24.26	24.42	24.57	26	0						
15	QPSK	1	20	24.35	24.48	24.63								
15	QPSK	1	49	24.34	24.49	24.63	25	1						
15	QPSK	24	0	23.34	23.54	23.64								
15	QPSK	25	12	23.45	23.52	23.64	25	1						
15	QPSK	25	26	23.49	23.57	23.69								
15	QPSK	50	0	23.47	23.50	23.70	25	1						
15	16QAM	1	0	23.63	23.64	23.81								
15	16QAM	1	25	23.69	23.66	24.04	24	2						
15	16QAM	1	50	23.74	23.76	23.95								
15	16QAM	25	0	22.58	22.54	22.65	24	2						
15	16QAM	25	12	22.49	22.54	22.67								
15	16QAM	50	0	22.47	22.50	22.71	24	2						
15	8QAM	1	0	22.48	22.58	22.83								
15	8QAM	1	25	22.52	22.75	22.88	23	3						
15	8QAM	25	0	21.34	21.54	21.66								
15	8QAM	25	12	21.45	21.52	21.65	21	5						
15	8QAM	25	26	21.47	21.57	21.69								
15	8QAM	50	0	21.43	21.54	21.71	21	5						
15	8QAM	50	0	19.61	19.65	19.82								
15	8QAM	50	0	19.67	19.68	19.74	21	5						
15	8QAM	50	0	19.61	19.75	19.81								
15	8QAM	50	0	19.64	19.64	19.65	20							
15	8QAM	50	0	19.67	19.62	19.68								
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.24	24.47	24.63	26	0						
5	QPSK	1	12	24.26	24.54	24.65								
5	QPSK	1	24	24.29	24.46	24.58	25	1						
5	QPSK	12	0	23.24	23.49	23.58								
5	QPSK	12	7	23.26	23.55	23.69	25	1						
5	QPSK	12	13	23.32	23.34	23.63								
5	16QAM	1	0	23.59	23.60	23.92	25	1						
5	16QAM	1	12	23.77	24.03	24.04								
5	16QAM	1	24	23.84	23.79	24.04	24	2						
5	16QAM	12	0	22.57	22.49	22.65								
5	16QAM	12	7	22.43	22.62	22.72	24	2						
5	16QAM	12	13	22.58	22.60	22.85								
5	16QAM	25	0	22.35	22.45	22.66	24	2						
5	8QAM	1	0	22.61	22.73	22.83								
5	8QAM	1	12	22.56	22.76	22.87	23	3						
5	8QAM	12	0	21.26	21.52	21.62								
5	8QAM	12	7	21.25	21.52	21.76	23	3						
5	8QAM	12	13	21.37	21.54	21.71								
5	8QAM	25	0	21.37	21.46	21.65	21	5						
5	8QAM	25	0	19.43	19.61	19.73								
5	8QAM	1	12	19.72	19.74	19.86	21	5						
5	8QAM	1	24	19.76	19.84	19.83								
5	8QAM	12	0	19.67	19.75	19.84	21	5						
5	8QAM	12	7	19.69	19.72	19.82								
5	8QAM	12	13	19.58	19.70	19.82	20							
5	8QAM	25	0	19.67	19.56	19.52								
Channel														
Frequency (MHz)														
3	QPSK	1	0	24.35	24.33	24.43	26	0						
3	QPSK	1	8	24.13	24.44	24.55								
3	QPSK	1	14	24.10	24.33	24.44	25	1						
3	QPSK	8	0	23.14	23.37	23.52								
3	QPSK	8	4	23.23	23.47	23.53	25	1						
3	QPSK	8	7	23.21	23.43	23.58								
3	16QAM	1	0	23.77	23.74	24.08	25	1						
3	16QAM	1	8	23.69	23.70	23.83								
3	16QAM	1	14	23.64	23.65	23.88	24	2						
3	16QAM	8	0	22.21	22.46	22.57								
3	16QAM	8	4	22.38	22.54	22.57	24	2						
3	16QAM	8	7	22.30	22.51	22.66								
3	16QAM	16	0	22.29	22.46	22.56	24	2						
3	8QAM	1	0	22.52	22.59	22.68								
3	8QAM	1	8	22.50	22.77	22.80	24	2						
3	8QAM	1	14	22.52	22.58	22.69								
3	8QAM	8	0	21.16	21.38	21.53	23	3						
3	8QAM	8	4	21.28	21.52	21.58								
3	8QAM	8	7	21.28	21.46	21.58	23	3						
3	8QAM	16	0	21.23	21.39	21.51								
3	8QAM	1	0	19.45	19.64	19.45	21	5						
3	8QAM	1	8	19.67	19.68	19.47								
3	8QAM	1	14	19.66	19.72	19.54	21	5						
3	8QAM	8	0	19.70	19.70	19.52								
3	8QAM	8	4	19.62	19.57	19.69	21	5						
3	8QAM	8	7	19.66	19.71	19.41								
3	8QAM	16	0	19.77	19.60	19.41	20							
Channel														
Frequency (MHz)														
14	QPSK	1	0	24.17	24.50	24.63					26	0		
14	QPSK	1	8	24.14	24.46	24.57								
14	QPSK	1	14	24.11	24.38	24.46	25	1						
14	QPSK	8	0	23.45	23.47	23.61								
14	QPSK	8	4	23.47	23.53	23.63	25	1						
14	QPSK	8	7	23.41	23.53	23.55								
14	QPSK	3	0	24.39	24.42	24.48	25	1						
14	QPSK	3	8	24.36	24.43	24.45								
14	16QAM	1	0	23.75	23.86	23.97	25	1						
14	16QAM	1	8	23.73	23.85	23.97								
14	16QAM	1	14	23.71	23.82	23.94	24	2						
14	16QAM	8	0	22.84	22.85	22.95								
14	16QAM	8	4	22.86	22.87	22.97	24	2						
14	16QAM	8	7	22.80	22.72	22.87								
14	16QAM	16	0	22.82	22.87	22.97	24	2						
14	8QAM	1	0	22.88	22.85	22.96								
14	8QAM	1	8	22.93	22.89	22.96	24	2						
14	8QAM	1	14	22.95	22.92	23.00								
14	8QAM	3	0	22.90	22.91	22.93	23	3						
14	8QAM	3	8	22.87	22.87	22.93								
14	8QAM	3	14	22.84	22.84	22.91	21	5						
14	8QAM	3	16	22.83	22.83	22.91								
14	8QAM	3	18	22.83	22.83	22.91	20							
14	8QAM	3	20	22.83	22.83	22.91								
Channel														
Frequency (MHz)														
14	QPSK	1	0	24.17	24.50	24.63	26	0						
14	QPSK	1	8	24.14	24.46	24.57								
14	QPSK	1	14	24.11	24.38	24.46	25	1						
14	QPSK	8	0	23.45	23.47	23.61								
14	QPSK	8	4	23.47	23.53	23.63	25	1						
14	QPSK	8	7	23.41	23.53	23.55								
14	QPSK	3	0	24.39	24.42	24.48	25	1						
14	QPSK	3	8	24.36	24.43	24.45								
14	16QAM	1	0	23.75	23.86	23.97	25	1						
14	16QAM	1	8	23.73	23.85	23.97								
14	16QAM	1	14	23.71	23.82	23.94	24	2						
14	16QAM	8	0	22.84	22.85	22.95								
14	16QAM	8	4	22.86	22.87	22.97	24	2						
14	16QAM	8	7	22.80	22.72	22.87								
14	16QAM	16	0	22.82	22.87	22.97	24	2						
14	8QAM	1	0	22.88	22.85	22.96								
14	8QAM	1	8	22.93	22.89	22.96	24	2						
14	8QAM	1	14	22.95	22.92	23.00								
14	8QAM	3	0	22.90	22.91	22.93	23	3						
14	8QAM	3	8	22.87	22.87	22.93								
14	8QAM	3	14	22.84	22.84	22.91	21	5						
14	8QAM	3	16	22.83	22.83	22.91								
14	8QAM	3	18	22.83	22.83	22.91	20							
14	8QAM	3	20	22.83	22.83	22.91								
Channel														
Frequency (MHz)														
14	QPSK	1	0	24.17	24.50	24.63	26	0						
14	QPSK	1	8	24.14	24.46</									

Band 38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	26	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.88	24.98	25.03			
20	QPSK	1	49	25.08	25.20	25.22	25	1	
20	QPSK	1	99	25.02	25.12	25.18			
20	QPSK	50	0	23.98	24.09	24.22			
20	QPSK	50	24	24.22	24.21	24.29	25	1	
20	QPSK	50	50	24.13	24.20	24.27			
20	QPSK	100	0	24.06	24.13	24.17			
20	16QAM	1	0	23.74	23.90	24.27	25	1	
20	16QAM	1	49	24.42	24.47	24.10			
20	16QAM	1	99	24.27	24.10	24.23			
20	16QAM	50	0	22.88	23.13	23.20	24	2	
20	16QAM	50	24	23.12	23.16	23.27			
20	16QAM	50	50	23.05	23.20	23.33			
20	16QAM	100	0	23.13	23.16	23.17	24	2	
20	64QAM	1	0	22.52	23.12	23.24			
20	64QAM	1	49	23.21	22.81	23.54			
20	64QAM	1	99	23.32	23.23	22.99	23	3	
20	64QAM	50	0	21.96	22.13	22.08			
20	64QAM	50	24	22.13	22.24	22.27			
20	64QAM	50	50	22.12	22.27	22.26	21	5	
20	64QAM	100	0	22.12	22.16	22.16			
20	256QAM	1	0	19.72	19.82	19.97			
20	256QAM	1	49	19.74	19.88	19.67	21	5	
20	256QAM	1	99	19.78	19.91	19.87			
20	256QAM	50	0	19.73	19.95	20.07			
20	256QAM	50	24	19.81	19.98	19.80	21	5	
20	256QAM	50	50	19.87	20.00	19.97			
20	256QAM	100	0	19.78	19.90	19.84			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	26	0	
15	QPSK	1	0	24.72	24.92	25.11			
15	QPSK	1	37	24.78	25.17	25.00	25	1	
15	QPSK	1	74	24.84	24.99	25.00			
15	QPSK	36	0	23.70	23.92	24.03			
15	QPSK	36	20	23.86	23.99	24.09	25	1	
15	QPSK	36	39	23.94	24.04	24.04			
15	QPSK	75	0	23.91	23.94	24.01			
15	16QAM	1	0	23.68	23.75	23.73	25	1	
15	16QAM	1	37	23.84	23.90	23.83			
15	16QAM	1	74	24.11	23.86	23.94			
15	16QAM	36	0	22.67	22.94	22.93	24	2	
15	16QAM	36	20	22.89	22.98	23.04			
15	16QAM	36	39	22.81	23.03	22.94			
15	16QAM	75	0	22.80	22.95	22.97	24	2	
15	64QAM	1	0	22.81	22.85	22.68			
15	64QAM	1	37	23.14	23.29	22.88			
15	64QAM	1	74	23.07	23.05	22.83	23	3	
15	64QAM	36	0	21.78	22.09	21.91			
15	64QAM	36	20	21.90	21.92	22.02			
15	64QAM	36	39	21.79	22.05	22.07	21	5	
15	64QAM	75	0	21.82	21.94	22.04			
15	256QAM	1	0	19.49	19.63	19.77			
15	256QAM	1	37	19.56	19.98	19.78	21	5	
15	256QAM	1	74	19.56	20.04	19.88			
15	256QAM	36	0	19.75	19.76	19.84			
15	256QAM	36	20	19.90	19.97	19.58	21	5	
15	256QAM	36	39	19.87	19.86	20.05			
15	256QAM	75	0	19.75	19.74	19.71			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	26	0	
10	QPSK	1	0	24.86	25.09	25.02			
10	QPSK	1	25	24.91	25.16	25.09	25	1	
10	QPSK	1	49	24.90	25.04	25.04			
10	QPSK	25	0	23.86	24.14	24.17			
10	QPSK	25	12	23.97	24.02	24.10	25	1	
10	QPSK	25	25	23.99	24.23	24.10			
10	QPSK	50	0	23.94	24.03	24.18			
10	16QAM	1	0	24.11	24.26	23.97	25	1	
10	16QAM	1	25	23.94	24.26	24.10			
10	16QAM	1	49	24.16	24.15	24.06			
10	16QAM	25	0	22.83	23.09	23.22	24	2	
10	16QAM	25	12	23.01	23.12	23.14			
10	16QAM	25	25	22.95	23.20	23.07			
10	16QAM	50	0	22.96	23.03	23.07	24	2	
10	64QAM	1	0	22.49	22.77	23.19			
10	64QAM	1	25	22.89	23.59	23.00			
10	64QAM	1	49	22.95	22.94	23.23	23	3	
10	64QAM	25	0	21.74	22.06	22.20			
10	64QAM	25	12	22.02	22.16	22.10			
10	64QAM	25	25	22.04	22.28	22.14	21	5	
10	64QAM	50	0	21.94	22.15	22.09			
10	256QAM	1	0	19.58	19.91	19.89			
10	256QAM	1	25	19.78	19.85	19.48	21	5	
10	256QAM	1	49	19.66	19.95	19.84			
10	256QAM	25	0	19.68	19.94	20.04			
10	256QAM	25	12	19.81	19.76	19.75	21	5	
10	256QAM	25	25	19.84	19.89	19.89			
10	256QAM	50	0	19.77	19.97	19.64			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2672.5	2695	2617.5	26	0	
5	QPSK	1	0	24.70	25.10	25.02			
5	QPSK	1	12	24.79	25.18	25.09	25	1	
5	QPSK	1	24	24.76	25.12	25.08			
5	QPSK	12	0	23.83	23.98	24.09			
5	QPSK	12	7	23.88	24.08	24.06	25	1	
5	QPSK	12	13	23.87	24.09	24.04			
5	QPSK	25	0	23.81	24.00	24.07			
5	16QAM	1	0	23.90	24.12	24.17	25	1	
5	16QAM	1	12	23.94	24.23	24.35			
5	16QAM	1	24	23.92	24.11	24.06			
5	16QAM	12	0	22.67	22.99	22.99	24	2	
5	16QAM	12	7	22.96	23.07	23.12			
5	16QAM	12	13	22.90	23.06	23.07			
5	16QAM	25	0	22.86	23.04	23.16	24	2	
5	64QAM	1	0	22.62	23.00	23.10			
5	64QAM	1	12	23.08	23.10	22.89			
5	64QAM	1	24	22.82	23.02	22.98	23	3	
5	64QAM	12	0	21.69	22.05	22.06			
5	64QAM	12	7	21.92	22.07	22.06			
5	64QAM	12	13	21.86	22.09	22.09	21	5	
5	64QAM	25	0	21.84	22.07	22.13			
5	256QAM	1	0	19.51	19.83	19.97			
5	256QAM	1	12	19.65	19.95	19.64	21	5	
5	256QAM	1	24	19.67	19.98	19.68			
5	256QAM	12	0	19.67	19.72	20.20			
5	256QAM	12	7	19.87	19.94	19.93	21	5	
5	256QAM	12	13	19.69	20.13	19.85			
5	256QAM	25	0	19.91	19.83	19.81			

Band 38_Ant 2									
BW [MHz]	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	26	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.88	24.98	25.03	26	0	
20	QPSK	1	49	25.08	25.20	25.22			
20	QPSK	1	99	25.02	25.12	25.18			
20	QPSK	50	0	23.98	24.09	24.22	25	1	
20	QPSK	50	24	24.22	24.21	24.29			
20	QPSK	50	50	24.13	24.20	24.27			
20	QPSK	100	0	24.06	24.13	24.17	25	1	
20	16QAM	1	0	23.74	23.90	24.27			
20	16QAM	1	49	24.42	24.47	24.10			
20	16QAM	1	99	24.27	24.10	24.23	24	2	
20	16QAM	50	0	22.88	23.13	23.20			
20	16QAM	50	24	23.12	23.16	23.27			
20	16QAM	50	50	23.05	23.20	23.33	24	2	
20	16QAM	100	0	23.13	23.23	23.17			
20	64QAM	1	0	23.52	23.12	23.24			
20	64QAM	1	49	23.21	22.81	23.54	23	3	
20	64QAM	1	99	23.32	23.23	22.99			
20	64QAM	50	0	21.98	22.13	22.08			
20	64QAM	50	24	22.13	22.24	22.27	21	5	
20	64QAM	50	50	22.12	22.27	22.26			
20	64QAM	100	0	22.12	22.16	22.16			
20	256QAM	1	0	19.72	19.82	19.97	21	5	
20	256QAM	1	49	19.74	19.88	19.67			
20	256QAM	1	99	19.78	19.91	19.87			
20	256QAM	50	0	19.73	19.95	20.07	21	5	
20	256QAM	50	24	19.81	19.98	19.80			
20	256QAM	50	50	19.87	20.00	19.97			
20	256QAM	100	0	19.78	19.90	19.84			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	26	0	
15	QPSK	1	0	24.72	24.92	25.11			
15	QPSK	1	37	24.78	25.17	25.00	25	1	
15	QPSK	1	74	24.84	24.99	25.00			
15	QPSK	36	0	23.70	23.92	24.03			
15	QPSK	36	20	23.85	23.99	24.09	24	2	
15	QPSK	36	39	23.94	24.04	24.04			
15	QPSK	75	0	23.91	23.94	24.01			
15	16QAM	1	0	23.68	23.75	23.73	24	2	
15	16QAM	1	37	23.84	23.90	23.83			
15	16QAM	1	74	24.11	23.86	23.94			
15	16QAM	36	0	22.67	22.94	22.93	23	3	
15	16QAM	36	20	22.89	22.98	23.04			
15	16QAM	36	39	22.81	23.03	22.94			
15	16QAM	75	0	22.80	22.95	22.97	21	5	
15	64QAM	1	0	22.81	22.85	22.68			
15	64QAM	1	37	23.14	23.29	22.88			
15	64QAM	1	74	23.07	23.05	22.83	21	5	
15	64QAM	36	0	21.78	22.09	21.91			
15	64QAM	36	20	21.90	21.92	22.02			
15	64QAM	36	39	21.79	22.05	22.07	21	5	
15	64QAM	75	0	21.82	21.94	22.04			
15	256QAM	1	0	19.49	19.63	19.77			
15	256QAM	1	37	19.56	19.98	19.79	21	5	
15	256QAM	1	74	19.58	20.04	19.88			
15	256QAM	36	0	19.75	19.76	19.84			
15	256QAM	36	20	19.90	19.97	19.58	21	5	
15	256QAM	36	39	19.87	19.86	20.05			
15	256QAM	75	0	19.75	19.74	19.71			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	26	0	
10	QPSK	1	0	24.86	25.09	25.02			
10	QPSK	1	25	24.91	25.16	25.09	25	1	
10	QPSK	1	49	24.90	25.04	25.04			
10	QPSK	25	0	23.88	24.14	24.17			
10	QPSK	25	12	23.97	24.02	24.10	24	2	
10	QPSK	25	25	23.99	24.23	24.10			
10	QPSK	50	0	23.94	24.03	24.18			
10	16QAM	1	0	24.11	24.26	23.97	23	3	
10	16QAM	1	25	23.94	24.26	24.10			
10	16QAM	1	49	24.16	24.15	24.22			
10	16QAM	25	0	22.83	23.09	23.06	21	5	
10	16QAM	25	12	23.01	23.12	23.14			
10	16QAM	25	25	22.95	23.20	23.07			
10	16QAM	50	0	22.96	23.03	23.07	24	2	
10	64QAM	1	0	22.49	22.77	23.19			
10	64QAM	1	25	22.89	23.59	23.00			
10	64QAM	1	49	22.95	22.94	23.23	23	3	
10	64QAM	25	0	21.74	22.06	22.20			
10	64QAM	25	12	22.02	22.16	22.10			
10	64QAM	25	25	22.04	22.28	22.14	21	5	
10	64QAM	50	0	21.94	22.15	22.09			
10	256QAM	1	0	19.58	19.91	19.89			
10	256QAM	1	25	19.78	19.85	19.48	21	5	
10	256QAM	1	49	19.66	19.95	19.84			
10	256QAM	25	0	19.69	19.94	20.04			
10	256QAM	25	12	19.81	19.76	19.75	21	5	
10	256QAM	25	25	19.84	19.89	19.89			
10	256QAM	50	0	19.77	19.97	19.64			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	26	0	
5	QPSK	1	0	24.79	25.10	25.02			
5	QPSK	1	12	24.79	25.18	25.09	25	1	
5	QPSK	1	24	24.76	25.12	25.08			
5	QPSK	12	0	23.83	23.98	24.09			
5	QPSK	12	7	23.87	24.08	24.06	24	2	
5	QPSK	12	13	23.87	24.09	24.04			
5	QPSK	25	0	23.81	24.00	24.07			
5	16QAM	1	0	23.90	24.12	24.17	24	2	
5	16QAM	1	12	23.94	24.23	24.35			
5	16QAM	1	24	23.92	24.11	24.06			
5	16QAM	12	0	22.67	22.99	22.99	23	3	
5	16QAM	12	7	22.96	23.07	23.12			
5	16QAM	12	13	22.90	23.06	23.07			
5	16QAM	25	0	22.88	23.04	23.16	21	5	
5	64QAM	1	0	22.62	23.00	23.10			
5	64QAM	1	12	23.08	23.10	22.89			
5	64QAM	1	24	22.82	23.02	22.98	21	5	
5	64QAM	12	0	21.69	22.05	22.06			
5	64QAM	12	7	21.92	22.07	22.06			
5	64QAM	12	13	21.86	22.09	22.09	21	5	
5	64QAM	25	0	21.84	22.07	22.13			
5	256QAM	1	0	19.51	19.83	19.97			
5	256QAM	1	12	19.65	19.95	19.64	21	5	
5	256QAM	1	24	19.67	19.98	19.68			
5	256QAM	12	0	19.67	19.72	20.20			
5	256QAM	12	7	19.87	19.94	19.93	21	5	
5	256QAM	12	13	19.69	20.13	19.85			
5	256QAM	25	0	19.91	19.83	19.81			



Band 41_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.76	24.93	25.00	25.01	24.63	26	0		
20	QPSK	1	49	24.82	24.97	25.12	25.23	25.24				
20	QPSK	1	99	24.75	24.94	25.10	24.98	24.96	25	1		
20	QPSK	50	0	23.82	23.91	24.02	24.07	24.08				
20	QPSK	50	24	23.91	23.99	24.22	24.23	24.26	25	1		
20	QPSK	50	50	23.89	23.96	24.20	24.18	24.17				
20	QPSK	100	0	23.84	23.99	24.13	24.19	24.21	25	1		
20	16QAM	1	0	23.75	23.52	24.34	24.14	23.80				
20	16QAM	1	49	23.57	23.71	23.95	24.22	24.29	24	2		
20	16QAM	1	99	23.64	24.08	24.07	23.88	23.85				
20	16QAM	50	0	22.78	22.88	23.05	23.13	23.06	24	2		
20	16QAM	50	24	22.85	23.05	23.13	23.28	23.18				
20	16QAM	50	50	22.85	23.02	23.15	23.17	23.26	24	2		
20	16QAM	100	0	22.89	22.98	23.09	23.16	23.19				
20	64QAM	1	0	22.63	22.63	22.96	22.90	22.73	24	2		
20	64QAM	1	49	23.01	22.80	23.07	23.22	23.27				
20	64QAM	1	99	22.71	23.32	22.89	22.75	23.16	23	3		
20	64QAM	50	0	21.75	21.92	22.10	22.14	22.15				
20	64QAM	50	24	21.90	21.94	22.15	22.31	22.27	23	3		
20	64QAM	50	50	21.89	22.07	22.12	22.20	22.20				
20	64QAM	100	0	21.93	22.01	22.16	22.16	22.22	21	5		
20	256QAM	1	0	19.41	19.64	19.65	19.88	19.52				
20	256QAM	1	49	19.21	19.40	19.62	19.51	19.59	21	5		
20	256QAM	1	99	19.45	19.61	19.75	19.50	19.54				
20	256QAM	50	0	19.44	19.75	19.83	19.72	19.62	21	5		
20	256QAM	50	24	19.17	19.38	19.68	19.53	19.68				
20	256QAM	50	50	19.49	19.47	19.73	19.63	19.72	21	5		
20	256QAM	100	0	19.36	19.58	19.65	19.63	19.87				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	24.62	24.56	24.65	24.89	24.59	26	0		
15	QPSK	1	37	24.61	24.72	24.79	25.15	25.03				
15	QPSK	1	74	24.54	24.62	25.08	24.86	24.85	25	1		
15	QPSK	36	0	23.64	23.62	23.83	23.97	23.88				
15	QPSK	36	20	23.65	23.79	23.93	24.08	24.06	25	1		
15	QPSK	36	39	23.67	23.76	23.95	23.97	23.99				
15	QPSK	75	0	23.69	23.79	23.94	24.08	23.95	25	1		
15	16QAM	1	0	23.36	23.57	23.96	23.86	23.81				
15	16QAM	1	37	23.81	23.65	23.62	24.49	24.11	24	2		
15	16QAM	1	74	23.74	23.76	23.58	23.76	24.11				
15	16QAM	36	0	22.74	22.71	22.83	23.00	22.91	24	2		
15	16QAM	36	20	22.66	22.70	22.83	23.06	23.05				
15	16QAM	36	39	22.66	22.76	22.92	23.06	23.02	24	2		
15	16QAM	75	0	22.71	22.81	22.87	22.97	23.02				
15	64QAM	1	0	22.53	22.95	23.03	22.90	22.78	24	2		
15	64QAM	1	37	22.84	22.99	22.53	22.79	22.76				
15	64QAM	1	74	22.79	22.97	22.78	22.72	22.77	23	3		
15	64QAM	36	0	21.66	21.63	21.81	21.95	21.96				
15	64QAM	36	20	21.69	21.85	21.88	22.07	22.03	23	3		
15	64QAM	36	39	21.72	21.68	21.95	22.10	21.95				
15	64QAM	75	0	21.68	21.81	21.91	21.96	21.95	21	5		
15	256QAM	1	0	19.29	19.51	19.49	19.84	19.24				
15	256QAM	1	37	19.55	19.51	19.53	19.84	19.44	21	5		
15	256QAM	1	74	19.27	19.63	19.72	19.78	19.33				
15	256QAM	36	0	19.33	19.45	19.61	19.81	19.69	21	5		
15	256QAM	36	20	19.23	19.38	19.73	19.65	19.81				
15	256QAM	36	39	19.54	19.58	19.80	19.60	19.86	21	5		
15	256QAM	75	0	19.43	19.51	19.51	19.61	19.84				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	24.54	24.81	24.95	24.68	24.82	26	0		
10	QPSK	1	25	24.78	24.88	24.96	25.02	25.17				
10	QPSK	1	49	24.69	24.77	25.07	24.85	24.82	25	1		
10	QPSK	25	0	23.74	23.70	23.94	24.02	24.08				
10	QPSK	25	12	23.73	23.86	23.93	24.23	24.09	25	1		
10	QPSK	25	25	23.76	23.84	24.02	24.17	23.95				
10	QPSK	50	0	23.77	23.90	23.99	24.10	24.04	25	1		
10	16QAM	1	0	23.91	23.95	23.82	23.86	23.57				
10	16QAM	1	25	23.47	23.73	24.20	24.21	23.82	24	2		
10	16QAM	1	49	23.69	23.72	23.92	23.78	24.05				
10	16QAM	25	0	22.62	22.75	22.92	23.09	23.07	24	2		
10	16QAM	25	12	22.76	22.80	22.85	23.20	23.13				
10	16QAM	25	25	22.63	22.81	23.10	23.09	23.02	24	2		
10	16QAM	50	0	22.77	22.84	22.97	23.16	23.03				
10	64QAM	1	0	22.82	22.83	23.02	22.51	22.82	24	2		
10	64QAM	1	25	22.52	22.86	22.42	23.04	23.00				
10	64QAM	1	49	23.03	22.82	22.81	22.93	22.58	23	3		
10	64QAM	25	0	21.75	21.71	21.91	22.04	22.06				
10	64QAM	25	12	21.70	21.90	22.06	22.24	22.12	23	3		
10	64QAM	25	25	21.65	21.85	22.07	22.11	21.93				
10	64QAM	50	0	21.72	21.83	22.12	22.10	21.95	21	5		
10	256QAM	1	0	19.32	19.59	19.72	19.65	19.25				
10	256QAM	1	25	19.31	19.60	19.70	19.48	19.44	21	5		
10	256QAM	1	49	19.58	19.64	19.66	19.65	19.49				
10	256QAM	25	0	19.49	19.63	19.54	19.77	19.49	21	5		
10	256QAM	25	12	19.34	19.49	19.50	19.33	19.70				
10	256QAM	25	25	19.64	19.33	19.89	19.50	19.81	21	5		
10	256QAM	50	0	19.58	19.58	19.86	19.63	19.86				
Channel				39975	40146	40630	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	24.81	24.89	24.91	25.18	25.06	26	0		
5	QPSK	1	12	24.86	24.99	25.06	25.21	25.12				
5	QPSK	1	24	24.84	25.02	25.11	25.18	25.06	25	1		
5	QPSK	12	0	23.82	23.89	24.03	24.21	24.20				
5	QPSK	12	7	23.81	24.06	24.12	24.38	24.21	25	1		
5	QPSK	12	13	23.76	23.88	24.05	24.29	24.21				
5	QPSK	25	0	23.86	23.94	24.15	24.32	24.15	25	1		
5	16QAM	1	0	23.69	23.68	23.70	24.27	24.19				
5	16QAM	1	12	24.07	23.80	24.36	24.05	24.18	24	2		
5	16QAM	1	24	23.78	24.21	23.99	24.05	24.12				
5	16QAM	12	0	22.82	22.96	23.09	23.21	23.23	24	2		
5	16QAM	12	7	22.81	22.94	23.19	23.24	23.19				
5	16QAM	12	13	22.80	22.90	23.05	23.11	23.13	23	3		
5	16QAM	25	0	22.74	22.80	23.13	23.28	23.25				
5	64QAM	1	0	22.78	22.66	22.84	22.98	22.86	24	2		
5	64QAM	1	12	22.63	22.80	23.01	22.91	22.67				
5	64QAM	1	24	22.63	22.74	22.82	22.96	22.96	24	2		
5	64QAM	12	0	21.84	22.04	22.00	22.21	22.18				
5	64QAM	12	7	21.90	21.78	22.17	22.25	22.24	23	3		
5	64QAM	12	13	21.86	21.85	21.99	22.23	22.23				
5	64QAM	25	0	21.85	22.06	22.10	22.26	22.14	21	5		
5	256QAM	1	0	19.44	19.36	19.53	19.73	19.43				
5	256QAM	1	12	19.36	19.42	19.68	19.78	19.54	21	5		
5	256QAM	1	24	19.43	19.53	19.64	19.62	19.40				
5	256QAM	12	0	19.33	19.40	19.50	19.83	19.50	21	5		
5	256QAM	12	7	19.40	19.32	19.81	19.45	19.62				
5	256QAM	12	13	19.74	19.40	19.67	19.47	19.61	21	5		
5	256QAM	25	0	19.47	19.75	19.67	19.74	19.61				

Band 41_Ant 2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	24.76	24.93	25.00	25.01	24.63	26	0	
20	QPSK	1	49	24.82	24.97	25.12	25.23	25.24			
20	QPSK	1	99	24.75	24.94	25.10	24.98	24.96			
20	QPSK	50	0	23.82	23.91	24.02	24.07	24.08	25	1	
20	QPSK	50	24	23.91	23.99	24.22	24.23	24.26			
20	QPSK	50	50	23.89	23.96	24.20	24.18	24.17			
20	QPSK	100	0	23.84	23.99	24.13	24.19	24.21	25	1	
20	16QAM	1	0	23.75	23.52	24.34	24.14	23.80			
20	16QAM	1	49	23.57	23.71	23.95	24.22	24.29			
20	16QAM	1	99	23.64	24.08	24.07	23.88	23.85	24	2	
20	16QAM	50	0	22.78	22.88	23.05	23.13	23.06			
20	16QAM	50	24	22.85	23.05	23.13	23.28	23.18			
20	16QAM	50	50	22.85	23.02	23.15	23.17	23.26	24	2	
20	16QAM	100	0	22.89	22.98	23.09	23.16	23.19			
20	64QAM	1	0	22.63	22.63	22.96	22.90	22.73			
20	64QAM	1	49	23.01	22.80	23.07	23.22	23.27	23	3	
20	64QAM	1	99	22.71	23.32	22.89	22.75	23.16			
20	64QAM	50	0	21.75	21.92	22.10	22.14	22.15			
20	64QAM	50	24	21.90	21.94	22.15	22.31	22.27	21	5	
20	64QAM	50	50	21.89	22.07	22.12	22.20	22.20			
20	64QAM	100	0	21.93	22.01	22.16	22.16	22.22			
20	256QAM	1	0	19.41	19.64	19.65	19.88	19.52	21	5	
20	256QAM	1	49	19.21	19.40	19.62	19.51	19.59			
20	256QAM	1	99	19.45	19.61	19.75	19.50	19.54			
20	256QAM	50	0	19.44	19.75	19.83	19.72	19.62	21	5	
20	256QAM	50	24	19.17	19.38	19.68	19.53	19.68			
20	256QAM	50	50	19.49	19.47	19.73	19.63	19.72			
20	256QAM	100	0	19.36	19.58	19.65	19.63	19.87			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	24.62	24.56	24.65	24.89	24.59	26	0	
15	QPSK	1	37	24.61	24.72	24.79	25.15	25.03			
15	QPSK	1	74	24.54	24.62	24.98	24.86	24.85			
15	QPSK	36	0	23.64	23.62	23.83	23.97	23.88	25	1	
15	QPSK	36	20	23.65	23.79	23.93	24.08	24.06			
15	QPSK	36	39	23.67	23.76	23.95	23.97	23.99			
15	QPSK	75	0	23.69	23.79	23.94	24.08	23.95	25	1	
15	16QAM	1	0	23.36	23.57	23.96	23.86	23.81			
15	16QAM	1	37	23.81	23.65	23.62	24.49	24.19			
15	16QAM	1	74	23.74	23.76	23.58	23.76	24.11	24	2	
15	16QAM	36	0	22.74	22.71	22.83	23.00	22.91			
15	16QAM	36	20	22.66	22.70	22.83	23.06	23.05			
15	16QAM	36	39	22.66	22.76	22.92	23.06	23.02	24	2	
15	16QAM	75	0	22.71	22.81	22.87	22.97	23.02			
15	64QAM	1	0	22.53	22.95	23.03	22.90	22.78			
15	64QAM	1	37	22.84	22.99	22.53	22.79	22.76	24	2	
15	64QAM	1	74	22.79	22.97	22.78	22.72	22.77			
15	64QAM	36	0	21.66	21.63	21.81	21.95	21.96			
15	64QAM	36	20	21.69	21.85	21.88	22.07	22.03	23	3	
15	64QAM	36	39	21.72	21.68	21.95	22.10	21.95			
15	64QAM	75	0	21.68	21.81	21.91	21.96	21.95			
15	256QAM	1	0	19.29	19.51	19.49	19.84	19.44	21	5	
15	256QAM	1	37	19.55	19.51	19.53	19.84	19.44			
15	256QAM	1	74	19.27	19.63	19.72	19.78	19.33			
15	256QAM	36	0	19.33	19.45	19.61	19.81	19.69	21	5	
15	256QAM	36	20	19.23	19.38	19.73	19.65	19.81			
15	256QAM	36	39	19.54	19.58	19.80	19.60	19.86			
15	256QAM	75	0	19.43	19.51	19.51	19.61	19.84	Tune-up limit (dBm)	MPR (dB)	
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	24.54	24.81	24.95	24.68	24.82	26	0	
10	QPSK	1	25	24.78	24.88	24.96	25.02	25.17			
10	QPSK	1	49	24.69	24.77	25.07	24.85	24.82			
10	QPSK	25	0	23.74	23.70	23.94	24.02	24.08	25	1	
10	QPSK	25	12	23.73	23.88	23.93	24.23	24.09			
10	QPSK	25	25	23.76	23.84	24.02	24.17	23.95			
10	QPSK	50	0	23.77	23.90	23.99	24.10	24.04	25	1	
10	16QAM	1	0	23.91	23.95	23.82	23.86	23.57			
10	16QAM	1	25	23.47	23.73	24.20	24.21	23.82			
10	16QAM	1	49	23.69	23.72	23.92	23.78	24.05	24	2	
10	16QAM	25	0	22.62	22.75	22.92	23.09	23.07			
10	16QAM	25	12	22.76	22.80	22.85	23.20	23.13			
10	16QAM	25	25	22.63	22.81	23.10	23.09	23.02	24	2	
10	16QAM	50	0	22.77	22.84	22.97	23.16	23.03			
10	64QAM	1	0	22.82	22.83	23.02	22.51	22.82			
10	64QAM	1	25	22.52	22.86	22.42	23.04	23.00	24	2	
10	64QAM	1	49	23.03	22.82	22.81	22.93	22.58			
10	64QAM	25	0	21.75	21.71	21.91	22.04	22.06			
10	64QAM	25	12	21.70	21.90	22.06	22.24	22.12	23	3	
10	64QAM	25	25	21.65	21.85	22.07	22.11	21.93			
10	64QAM	50	0	21.72	21.83	22.12	22.10	21.95			
10	256QAM	1	0	19.32	19.59	19.72	19.65	19.25	21	5	
10	256QAM	1	25	19.31	19.60	19.70	19.48	19.44			
10	256QAM	1	49	19.58	19.64	19.66	19.65	19.49			
10	256QAM	25	0	19.49	19.63	19.54	19.77	19.49	21	5	
10	256QAM	25	12	19.34	19.49	19.50	19.33	19.70			
10	256QAM	25	25	19.64	19.33	19.89	19.50	19.81			
10	256QAM	50	0	19.58	19.54	19.86	19.63	19.86	Tune-up limit (dBm)	MPR (dB)	
Channel				39675	40148	40630	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	24.81	24.89	24.91	25.18	25.06	26	0	
5	QPSK	1	12	24.86	24.99	25.06	25.21	25.12			
5	QPSK	1	24	24.84	25.02	25.11	25.18	25.06			
5	QPSK	12	0	23.82	23.89	24.03	24.21	24.20	25	1	
5	QPSK	12	7	23.81	24.06	24.12	24.38	24.21			
5	QPSK	12	13	23.76	23.88	24.05	24.29	24.21			
5	QPSK	25	0	23.86	23.94	24.15	24.32	24.15	25	1	
5	16QAM	1	0	23.69	23.68	23.70	24.27	24.13			
5	16QAM	1	12	24.07	23.80	24.36	24.05	24.18			
5	16QAM	1	24	23.78	24.21	23.99	24.05	24.12	24	2	
5	16QAM	12	0	22.82	22.96	23.09	23.21	23.23			
5	16QAM	12	7	22.81	22.94	23.19	23.24	23.19			
5	16QAM	12	13	22.80	22.90	23.05	23.11	23.13	24	2	
5	16QAM	25	0	22.74	22.80	23.13	23.28	23.25			
5	64QAM	1	0	22.78	22.66	22.84	22.98	22.86			
5	64QAM	1	12	22.63	22.80	23.01	22.91	22.87	24	2	
5	64QAM	1	24	22.63	22.74	22.96	23.06	22.96			
5	64QAM	12	0	21.84	22.04	22.00	22.21	22.16			
5	64QAM	12	7	21.90	21.78	22.17	22.25	22.24	23	3	
5	64QAM	12	13	21.86	21.85	21.99	22.23	22.13			
5	64QAM	25	0	21.85	22.06	22.10	22.26	22.14			
5	256QAM	1	0	19.44	19.36	19.53	19.73	19.43	21	5	
5	256QAM	1	12	19.36	19.42	19.68	19.78	19.54			
5	256QAM	1	24	19.43	19.53	19.64	19.62	19.40			
5	256QAM	12	0	19.33	19.40	19.50	19.83	19.50	21	5	
5	256QAM	12	7	19.40	19.32	19.81	19.45	19.62			
5	256QAM	12	13	19.74	19.40	19.67	19.47	19.62			
5	256QAM	25	0	19.47	19.75	19.67	19.74	19.61			



Full Power/Default Power for 5GNR

n2_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Media Ch./Freq.	Power High Ch./Freq.	Turn-up [mW] [dBm]
Channel							
Frequency [MHz]							
20	PB2 BPSK	1	1	24.20	24.20	24.12	
20	PB2 BPSK	1	53	24.24	24.08	24.16	20.0
20	PB2 BPSK	1	104	24.38	24.38	24.08	
20	PB2 BPSK	50	0	24.16	24.44	24.20	20.0
20	PB2 BPSK	50	28	24.20	24.40	24.20	20.0
20	PB2 BPSK	50	56	24.20	24.40	24.00	20.0
20	PB2 BPSK	100	0	24.16	24.44	24.40	
20	QPSK	1	1	24.20	24.40	24.41	
20	QPSK	1	53	24.27	24.51	24.14	20.0
20	QPSK	1	104	24.40	24.40	24.10	
20	QPSK	50	0	24.27	24.42	24.24	20.0
20	QPSK	50	28	24.10	24.40	24.00	20.0
20	QPSK	50	56	24.27	24.44	24.07	20.0
20	QPSK	100	0	24.10	24.47	24.20	20.0
20	TRFQAM	1	1	24.40	24.47	24.40	20.0
20	TRFQAM	1	1	22.90	22.97	22.90	20.0
20	TRFQAM	1	1	20.74	20.80	20.84	20.0
Channel							
Frequency [MHz]							
10	PB2 BPSK	1	1	24.34	24.31	24.20	20.0
Channel							
Frequency [MHz]							
10	PB2 BPSK	1	1	24.20	24.40	24.10	20.0
Channel							
Frequency [MHz]							
5	PB2 BPSK	1	1	24.20	24.40	24.20	20.0

n2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Media Ch./Freq.	Power High Ch./Freq.	Turn-up [mW] [dBm]
Channel							
Frequency [MHz]							
20	PB2 BPSK	1	1	24.20	24.20	24.12	
20	PB2 BPSK	1	53	24.24	24.40	24.16	20.0
20	PB2 BPSK	1	104	24.38	24.38	24.08	
20	PB2 BPSK	50	0	24.16	24.44	24.20	20.0
20	PB2 BPSK	50	28	24.20	24.40	24.20	20.0
20	PB2 BPSK	50	56	24.20	24.40	24.00	20.0
20	PB2 BPSK	100	0	24.16	24.44	24.40	
20	QPSK	1	1	24.20	24.40	24.41	
20	QPSK	1	53	24.27	24.51	24.14	20.0
20	QPSK	1	104	24.40	24.40	24.10	
20	QPSK	50	0	24.27	24.42	24.24	20.0
20	QPSK	50	28	24.10	24.40	24.00	20.0
20	QPSK	50	56	24.27	24.44	24.07	20.0
20	QPSK	100	0	24.10	24.47	24.20	20.0
20	TRFQAM	1	1	24.40	24.47	24.40	20.0
20	TRFQAM	1	1	22.90	22.97	22.90	20.0
20	TRFQAM	1	1	20.74	20.80	20.84	20.0
Channel							
Frequency [MHz]							
10	PB2 BPSK	1	1	24.34	24.31	24.20	20.0
Channel							
Frequency [MHz]							
10	PB2 BPSK	1	1	24.20	24.40	24.10	20.0
Channel							
Frequency [MHz]							
5	PB2 BPSK	1	1	24.20	24.40	24.20	20.0

n5_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Media Ch./Freq.	Power High Ch./Freq.	Turn-up [mW] [dBm]
Channel							
Frequency [MHz]							
20	PB2 BPSK	1	1	24.12	24.41	24.20	
20	PB2 BPSK	1	50	24.10	24.12	24.00	20.0
20	PB2 BPSK	1	104	24.03	24.10	24.03	
20	PB2 BPSK	50	0	24.23	24.10	24.10	20.0
20	PB2 BPSK	50	28	24.10	24.10	24.01	20.0
20	PB2 BPSK	50	56	24.10	24.00	24.00	20.0
20	PB2 BPSK	100	0	24.40	24.00	24.10	
20	QPSK	1	1	24.10	24.10	24.20	
20	QPSK	1	53	24.24	24.17	24.17	20.0
20	QPSK	1	104	24.11	24.10	24.10	
20	QPSK	50	0	24.17	24.20	24.24	20.0
20	QPSK	50	28	24.22	24.10	24.10	20.0
20	QPSK	50	56	24.10	24.10	24.00	20.0
20	QPSK	100	0	24.28	24.10	24.10	20.0
20	TRFQAM	1	1	24.40	24.37	24.30	20.0
20	TRFQAM	1	1	22.90	22.90	22.90	20.0
20	TRFQAM	1	1	20.80	20.84	20.70	20.0
Channel							
Frequency [MHz]							
10	PB2 BPSK	1	1	24.30	24.20	24.27	20.0
Channel							
Frequency [MHz]							
10	PB2 BPSK	1	1	24.33	24.10	24.24	20.0
Channel							
Frequency [MHz]							
5	PB2 BPSK	1	1	24.34	24.20	24.10	20.0

n5_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Media Ch./Freq.	Power High Ch./Freq.	Turn-up [mW] [dBm]
Channel							
Frequency [MHz]							
20	PB2 BPSK	1	1	24.30	24.41	24.20	
20	PB2 BPSK	1	50	24.10	24.12	24.00	20.0
20	PB2 BPSK	1	104	24.03	24.10	24.03	
20	PB2 BPSK	50	0	24.23	24.10	24.10	20.0
20	PB2 BPSK	50	28	24.10	24.10	24.01	20.0
20	PB2 BPSK	50	56	24.10	24.00	24.00	20.0
20	PB2 BPSK	100	0	24.40	24.00	24.10	
20	QPSK	1	1	24.10	24.10	24.20	
20	QPSK	1	53	24.24	24.17	24.17	20.0
20	QPSK	1	104	24.11	24.10	24.10	
20	QPSK	50	0	24.17	24.20	24.24	20.0
20	QPSK	50	28	24.22	24.10	24.10	20.0
20	QPSK	50	56	24.10	24.10	24.00	20.0
20	QPSK	100	0	24.28	24.10	24.10	20.0
20	TRFQAM	1	1	24.40	24.37	24.30	20.0
20	TRFQAM	1	1	22.90	22.90	22.90	20.0
20	TRFQAM	1	1	20.80	20.84	20.70	20.0
Channel							
Frequency [MHz]							
10	PB2 BPSK	1	1	24.30	24.20	24.27	20.0
Channel							
Frequency [MHz]							
10	PB2 BPSK	1	1	24.33	24.10	24.24	20.0
Channel							
Frequency [MHz]							
5	PB2 BPSK	1	1	24.34	24.20	24.10	20.0



n7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F/Freq.	Power Middle Ch./F/Freq.	Power High Ch./F/Freq.	Time-up limd (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	24.60	24.64	24.62			
40	P12 BPSK	1	108	24.50	24.61	24.58	20.0	0.0	
40	P12 BPSK	1	214	24.50	24.60	24.58			
40	P12 BPSK	108	0	24.55	24.51	24.53	20.0	0.0	
40	P12 BPSK	108	54	24.50	24.52	24.52	20.0	0.0	
40	P12 BPSK	108	108	24.58	24.53	24.52	20.0	0.0	
40	P12 BPSK	216	0	24.46	24.54	24.50	20.0	0.0	
40	QPSK	1	1	24.72	24.71	24.61	20.0	0.0	
40	QPSK	1	108	24.49	24.61	24.58	20.0	0.0	
40	QPSK	1	214	24.48	24.62	24.53			
40	QPSK	108	0	24.47	24.49	24.48	20.0	1.0	
40	QPSK	108	54	24.52	24.50	24.52	20.0	0.0	
40	QPSK	108	108	24.45	24.47	24.38	20.0	1.0	
40	QPSK	216	0	24.71	24.71	24.38	20.0	1.0	
40	16QAM	1	1	24.46	24.38	24.27	20.0	1.0	
40	16QAM	1	1	22.97	22.98	22.80	20.0	2.0	
40	256QAM	1	1	20.98	20.97	20.75	21.0	4.0	
Channel									
Frequency (MHz)									
30	P12 BPSK	1	1	24.53	24.59	24.58	20.0	0.0	
Channel									
Frequency (MHz)									
25	P12 BPSK	1	1	24.47	24.59	24.59	20.0	0.0	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	24.50	24.56	24.53	20.0	0.0	
Channel									
Frequency (MHz)									
15	P12 BPSK	1	1	24.50	24.54	24.57	20.0	0.0	
Channel									
Frequency (MHz)									
10	P12 BPSK	1	1	24.48	24.47	24.53	20.0	0.0	
Channel									
Frequency (MHz)									
5	P12 BPSK	1	1	24.43	24.58	24.52	20.0	0.0	

n7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F/Freq.	Power Middle Ch./F/Freq.	Power High Ch./F/Freq.	Time-up limd (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	24.60	24.60	24.60			
40	P12 BPSK	1	108	24.50	24.61	24.58	20.0	0.0	
40	P12 BPSK	1	214	24.50	24.60	24.58			
40	P12 BPSK	108	0	24.55	24.51	24.53	20.0	0.0	
40	P12 BPSK	108	54	24.55	24.52	24.53	20.0	0.0	
40	P12 BPSK	108	108	24.58	24.50	24.52	20.0	0.0	
40	P12 BPSK	216	0	24.46	24.54	24.38			
40	QPSK	1	1	24.70	24.71	24.61	20.0	0.0	
40	QPSK	1	108	24.47	24.61	24.58	20.0	0.0	
40	QPSK	1	214	24.48	24.63	24.53			
40	QPSK	108	0	24.47	24.49	24.48	20.0	1.0	
40	QPSK	108	54	24.52	24.50	24.52	20.0	0.0	
40	QPSK	108	108	24.45	24.47	24.38	20.0	1.0	
40	QPSK	216	0	24.77	24.71	24.38	20.0	1.0	
40	16QAM	1	1	24.46	24.38	24.27	20.0	1.0	
40	256QAM	1	1	22.97	22.98	22.80	20.0	2.0	
40	256QAM	1	1	20.98	20.97	20.75	21.0	4.0	
Channel									
Frequency (MHz)									
30	P12 BPSK	1	1	24.53	24.59	24.58	20.0	0.0	
Channel									
Frequency (MHz)									
25	P12 BPSK	1	1	24.47	24.59	24.59	20.0	0.0	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	24.50	24.56	24.53	20.0	0.0	
Channel									
Frequency (MHz)									
15	P12 BPSK	1	1	24.50	24.54	24.57	20.0	0.0	
Channel									
Frequency (MHz)									
10	P12 BPSK	1	1	24.48	24.47	24.53	20.0	0.0	
Channel									
Frequency (MHz)									
5	P12 BPSK	1	1	24.43	24.78	24.72	20.0	0.0	

n12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F/Freq.	Power Middle Ch./F/Freq.	Power High Ch./F/Freq.	Time-up limd (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
15	P12 BPSK	1	0	24.65	24.67	24.72			
15	P12 BPSK	1	40	24.77	24.70	24.70	20.0	0.0	
15	P12 BPSK	1	77	24.67	24.63	24.65			
15	P12 BPSK	36	0	23.77	23.67	23.67	20.0	0.0	
15	P12 BPSK	36	20	24.74	24.74	24.70	20.0	0.0	
15	P12 BPSK	36	40	24.62	24.67	24.59	20.0	0.0	
15	P12 BPSK	72	0	24.77	24.67	24.67			
15	QPSK	1	0	24.68	24.68	24.70			
15	QPSK	1	40	24.62	24.78	24.78	20.0	0.0	
15	QPSK	1	77	24.65	24.60	24.64			
15	QPSK	36	0	24.70	24.60	24.60	20.0	1.0	
15	QPSK	36	20	24.67	24.67	24.65	20.0	0.0	
15	QPSK	36	40	24.65	24.71	24.70	20.0	1.0	
15	QPSK	72	0	24.72	24.61	24.69	20.0	1.0	
15	16QAM	1	1	23.84	23.86	23.82	20.0	1.0	
15	16QAM	1	1	22.29	22.30	22.30	20.0	2.0	
15	256QAM	1	1	20.20	20.34	20.24	21.0	4.0	
Channel									
Frequency (MHz)									
10	P12 BPSK	1	1	24.48	24.33	24.51	20.0	0.0	
Channel									
Frequency (MHz)									
5	P12 BPSK	1	1	24.61	24.75	24.60	20.0	0.0	

n12_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F/Freq.	Power Middle Ch./F/Freq.	Power High Ch./F/Freq.	Time-up limd (dBm)	MPE	
Channel									
Frequency (MHz)									
15	P12 BPSK	1	0	24.65	24.67	24.67			
15	P12 BPSK	1	40	24.77	24.70	24.70	20.0	0.0	
15	P12 BPSK	1	77	24.67	24.63	24.65			
15	P12 BPSK	36	0	23.77	23.67	24.07	20.0	0.0	
15	P12 BPSK	36	20	24.04	24.14	24.00	20.0	0.0	
15	P12 BPSK	36	40	24.62	24.67	24.59	20.0	0.0	
15	P12 BPSK	72	0	24.77	24.67	24.50			
15	QPSK	1	0	24.68	24.68	24.70			
15	QPSK	1	40	24.62	24.78	24.78	20.0	0.0	
15	QPSK	1	77	24.65	24.60	24.64			
15	QPSK	36	0	24.70	24.60	24.60	20.0	1.0	
15	QPSK	36	20	24.67	24.67	24.65	20.0	0.0	
15	QPSK	36	40	24.65	24.71	24.70	20.0	1.0	
15	QPSK	72	0	24.72	24.61	24.69	20.0	1.0	
15	16QAM	1	1	23.84	23.86	23.82	20.0	1.0	
15	16QAM	1	1	22.29	22.30	22.30	20.0	2.0	
15	256QAM	1	1	20.20	20.34	20.24	21.0	4.0	
Channel									
Frequency (MHz)									
10	P12 BPSK	1	1	24.48	24.33	24.51	20.0	0.0	
Channel									
Frequency (MHz)									
5	P12 BPSK	1	1	24.61	24.75	24.60	20.0	0.0	



n13_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mid Ch. (Freq.)	Power High Ch. (Freq.)	Turn-on (ms)	MFR (dB)				
Channel												
Frequency (MHz)												
782												
10	PI2 BPSK	1	1	24.40			20.0	0.0				
10	PI2 BPSK	1	26	24.48								
10	PI2 BPSK	1	50	24.53								
10	PI2 BPSK	25	0	24.42			25.0	0.0				
10	PI2 BPSK	25	14	24.45								
10	PI2 BPSK	25	27	24.43								
10	PI2 BPSK	50	0	24.42			25.0	0.0				
10	QPSK	1	1	24.28								
10	QPSK	1	26	24.50								
10	QPSK	1	50	24.47			20.0	1.0				
10	QPSK	25	0	23.97								
10	QPSK	25	14	24.41								
10	QPSK	25	27	23.88			25.0	1.0				
10	QPSK	50	0	23.79								
10	16QAM	1	1	23.98								
10	16QAM	1	1	21.78			23.0	2.0				
10	256QAM	1	1	19.95								
Channel												
Frequency (MHz)												
779.5 782 784.5												
5	PI2 BPSK	1	1	24.52	24.48	24.55	20.0	0.0				

n13_Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mid Ch. (Freq.)	Power High Ch. (Freq.)	Turnup time (ms)	MFR (dB)				
Channel												
Frequency (MHz)				782								
10	PI2 BPSK	1	1	24.40			20.0	0.0				
10	PI2 BPSK	1	26	24.48								
10	PI2 BPSK	1	50	24.53								
10	PI2 BPSK	25	0	24.42			25.0	0.0				
10	PI2 BPSK	25	14	24.45								
10	PI2 BPSK	25	27	24.43								
10	PI2 BPSK	50	0	24.42			25.0	0.0				
10	QPSK	1	1	24.28								
10	QPSK	1	26	24.50								
10	QPSK	1	50	24.47			20.0	0.0				
10	QPSK	25	0	23.97								
10	QPSK	25	14	24.41								
10	QPSK	25	27	23.88			25.0	1.0				
10	QPSK	50	0	23.79								
10	16QAM	1	1	23.98								
10	16QAM	1	1	21.78			23.0	2.0				
10	256QAM	1	1	19.95								
Channel												
Channel				779.5 782 784.5								
Frequency (MHz)				24.5 24.52 24.55								
5	PI2 BPSK	1	1	24.50	24.49	24.55	20.0	0.0				

n25_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Max Ch. (Freq.)	Power High Ch. (Freq.)	Turn-up (ms)	MFR (dB)				
Channel												
Frequency (MHz)												
1880 1882.5 1900												
20	PI2 BPSK	1	1	25.10	24.92	24.99	20.0	0.0				
20	PI2 BPSK	1	83	24.83	24.92	24.19						
20	PI2 BPSK	1	104	24.80	24.90	24.09						
20	PI2 BPSK	50	0	24.78	24.90	24.97	20.0	0.0				
20	PI2 BPSK	50	26	24.96	24.92	24.97						
20	PI2 BPSK	50	50	24.87	24.97	24.11						
20	PI2 BPSK	100	0	24.82	24.97	24.13	20.0	0.0				
20	QPSK	1	1	24.47	24.50	24.20						
20	QPSK	1	83	24.80	24.97	24.17						
20	QPSK	1	104	24.48	24.50	24.09	20.0	0.0				
20	QPSK	50	0	24.94	24.40	24.22						
20	QPSK	50	26	24.85	24.51	24.13						
20	QPSK	50	50	24.70	24.20	24.14	20.0	1.0				
20	QPSK	100	0	24.82	24.50	24.14						
20	16QAM	1	1	25.00	24.95	24.91						
20	16QAM	1	1	23.47	23.20	22.95	23.0	2.0				
20	256QAM	1	1	21.48	21.00	20.73						
Channel												
Frequency (MHz)												
1877.5 1882.5 1907.5												
10	PI2 BPSK	1	1	25.05	24.90	24.28	20.0	0.0				
Channel												
Frequency (MHz)												
1885 1882.5 1910												
10	PI2 BPSK	1	1	25.00	24.40	24.19	20.0	0.0				
Channel												
Frequency (MHz)												
1882.5 1882.5 1912.5												
5	PI2 BPSK	1	1	24.98	24.41	24.21	20.0	0.0				

n25_Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Max Ch. (Freq.)	Power High Ch. (Freq.)	Turn-on (ms)	MFR (dB)				
Channel												
Frequency (MHz)												
1880 1882.5 1900												
20	PI2 BPSK	1	1	25.10	24.92	24.99	20.0	0.0				
20	PI2 BPSK	1	83	24.83	24.92	24.19						
20	PI2 BPSK	1	104	24.80	24.90	24.09						
20	PI2 BPSK	50	0	24.78	24.90	24.97	20.0	0.0				
20	PI2 BPSK	50	26	24.96	24.92	24.97						
20	PI2 BPSK	50	50	24.87	24.97	24.11						
20	PI2 BPSK	100	0	24.82	24.97	24.13	20.0	0.0				
20	QPSK	1	1	24.47	24.50	24.20						
20	QPSK	1	83	24.80	24.97	24.17						
20	QPSK	1	104	24.48	24.50	24.09	20.0	0.0				
20	QPSK	50	0	24.94	24.40	24.22						
20	QPSK	50	26	24.85	24.51	24.13						
20	QPSK	50	50	24.70	24.20	24.14	20.0	1.0				
20	QPSK	100	0	24.82	24.50	24.14						
20	16QAM	1	1	25.00	24.98	24.91						
20	256QAM	1	1	21.48	21.00	20.73	23.0	2.0				
Channel												
Frequency (MHz)												
1877.5 1882.5 1907.5												
10	PI2 BPSK	1	1	25.05	24.90	24.28				20.0	0.0	
Channel												
Frequency (MHz)												
1885 1882.5 1910												
10	PI2 BPSK	1	1	25.00	24.40	24.19	20.0	0.0				
Channel												
Frequency (MHz)												
1882.5 1882.5 1912.5												
5	PI2 BPSK	1	1	24.98	24.41	24.21	20.0	0.0				



n26_Ant 0									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up [ms]	MFR [dB]	
Channel									
Frequency [MHz]				824	831.5	839			
20	PI2 BPSK	1	1	24.02	24.01	24.01	20.0	0.0	
20	PI2 BPSK	1	53	24.02	24.00	24.01	20.0	0.0	
20	PI2 BPSK	1	104	24.07	24.06	24.04	20.0	0.0	
20	PI2 BPSK	50	0	24.03	24.01	24.00	20.0	0.0	
20	PI2 BPSK	50	50	24.04	24.00	24.00	20.0	0.0	
20	PI2 BPSK	50	50	24.02	24.00	24.00	20.0	0.0	
20	PI2 BPSK	100	0	24.02	24.00	24.00	20.0	0.0	
20	QPSK	1	1	24.02	24.00	24.00	20.0	0.0	
20	QPSK	1	53	24.01	24.00	24.00	20.0	0.0	
20	QPSK	1	104	24.03	24.00	24.00	20.0	0.0	
20	QPSK	50	0	24.00	24.00	24.00	20.0	0.0	
20	QPSK	50	50	24.03	24.00	24.01	20.0	0.0	
20	QPSK	100	0	24.00	24.00	24.00	20.0	0.0	
20	QPSK	50	50	24.04	24.00	24.00	20.0	0.0	
20	16QAM	1	1	24.00	24.00	24.00	20.0	0.0	
20	16QAM	1	1	24.00	24.00	24.00	20.0	0.0	
20	256QAM	1	1	24.00	24.00	24.00	20.0	0.0	
Channel									
Frequency [MHz]				831.5	831.5	861.8			
15	PI2 BPSK	1	1	24.03	24.04	24.07	20.0	0.0	
Channel									
Frequency [MHz]				819	831.5	844			
10	PI2 BPSK	1	1	24.01	24.01	24.00	20.0	0.0	
Channel									
Frequency [MHz]				811.5	831.5	848.5			
5	PI2 BPSK	1	1	24.40	24.01	24.00	20.0	0.0	

n26_Ant 2									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-on [ms]	MFR [dB]	
Channel									
Frequency [MHz]				824	831.5	850			
20	PI2 BPSK	1	1	24.02	24.00	24.00	20.0	0.0	
20	PI2 BPSK	1	53	24.02	24.00	24.01	20.0	0.0	
20	PI2 BPSK	1	104	24.07	24.06	24.04	20.0	0.0	
20	PI2 BPSK	50	0	24.03	24.01	24.00	20.0	0.0	
20	PI2 BPSK	50	50	24.04	24.00	24.00	20.0	0.0	
20	PI2 BPSK	50	50	24.02	24.00	24.00	20.0	0.0	
20	PI2 BPSK	100	0	24.02	24.00	24.00	20.0	0.0	
20	QPSK	1	1	24.02	24.00	24.00	20.0	0.0	
20	QPSK	1	53	24.01	24.00	24.00	20.0	0.0	
20	QPSK	1	104	24.03	24.00	24.00	20.0	0.0	
20	QPSK	50	0	24.00	24.00	24.00	20.0	0.0	
20	QPSK	50	50	24.00	24.04	24.01	20.0	1.0	
20	QPSK	100	0	24.00	24.04	24.01	20.0	1.0	
20	16QAM	1	1	24.00	24.00	24.00	20.0	0.0	
20	16QAM	1	1	24.00	24.00	24.00	20.0	0.0	
20	256QAM	1	1	24.00	24.00	24.00	20.0	0.0	
Channel				819	831.5	854			
15	PI2 BPSK	1	1	24.03	24.04	24.07	20.0	0.0	
Channel				819	831.5	854			
10	PI2 BPSK	1	1	24.01	24.01	24.00	20.0	0.0	
Channel				811.5	831.5	848.5			
5	PI2 BPSK	1	1	24.40	24.01	24.00	20.0	0.0	

n66_Ant 1									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up [ms]	MFR [dB]	
Channel									
Frequency [MHz]				1790	1740	1760			
40	PI2 BPSK	1	1	25.01	25.00	25.00	20.0	0.0	
40	PI2 BPSK	1	100	24.91	24.90	24.90	20.0	0.0	
40	PI2 BPSK	1	214	24.90	24.92	24.90	20.0	0.0	
40	PI2 BPSK	100	0	24.91	24.91	24.90	20.0	0.0	
40	PI2 BPSK	100	50	24.90	24.90	24.91	20.0	0.0	
40	PI2 BPSK	100	100	24.90	24.90	24.90	20.0	0.0	
40	PI2 BPSK	210	0	24.93	24.90	24.90	20.0	0.0	
40	QPSK	1	1	24.90	24.90	24.90	20.0	0.0	
40	QPSK	1	100	24.90	24.90	24.90	20.0	0.0	
40	QPSK	1	214	24.90	24.90	24.90	20.0	0.0	
40	QPSK	100	0	24.91	24.90	24.90	20.0	0.0	
40	QPSK	100	50	24.90	24.90	24.90	20.0	0.0	
40	QPSK	100	100	24.90	24.90	24.90	20.0	0.0	
40	QPSK	210	0	24.97	24.94	24.90	20.0	1.0	
40	16QAM	1	1	24.74	24.00	24.00	20.0	0.0	
40	16QAM	1	1	25.13	23.07	23.00	20.0	0.0	
40	256QAM	1	1	20.00	20.00	20.00	20.0	0.0	
Channel									
Frequency [MHz]				1790	1740	1760			
20	PI2 BPSK	1	1	24.90	24.90	24.90	20.0	0.0	
Channel									
Frequency [MHz]				1717.5	1740	1772.5			
15	PI2 BPSK	1	1	24.92	24.90	24.94	20.0	0.0	
Channel									
Frequency [MHz]				1715	1740	1770			
10	PI2 BPSK	1	1	24.90	24.97	24.90	20.0	0.0	
Channel									
Frequency [MHz]				1712.5	1740	1772.5			
5	PI2 BPSK	1	1	24.92	24.90	24.90	20.0	0.0	

n66_Ant 2									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turnup time (ms)	MFR [dB]	
Channel									
Frequency [MHz]				1790	1740	1760			
40	PI2 BPSK	1	1	20.01	20.00	20.00	20.0	0.0	
40	PI2 BPSK	1	100	20.01	20.00	20.00	20.0	0.0	
40	PI2 BPSK	1	214	20.00	20.02	20.00	20.0	0.0	
40	PI2 BPSK	100	0	20.01	20.01	20.00	20.0	0.0	
40	PI2 BPSK	100	50	20.00	20.00	20.01	20.0	0.0	
40	PI2 BPSK	100	100	20.00	20.00	20.00	20.0	0.0	
40	PI2 BPSK	210	0	20.00	20.00	20.00	20.0	0.0	
40	QPSK	1	1	20.00	20.00	20.00	20.0	0.0	
40	QPSK	1	100	20.00	20.00	20.00	20.0	0.0	
40	QPSK	1	214	20.00	20.00	20.00	20.0	0.0	
40	QPSK	100	0	20.01	20.00	20.00	20.0	0.0	
40	QPSK	100	50	20.00	20.00	20.00	20.0	0.0	
40	QPSK	100	100	20.00	20.00	20.00	20.0	0.0	
40	QPSK	210	0	20.01	20.00	20.00	20.0	0.0	
40	16QAM	1	1	20.74	20.00	20.00	20.0	0.0	
40	16QAM	1	1	20.13	20.07	20.00	20.0	0.0	
40	256QAM	1	1	20.00	20.00	20.00	20.0	0.0	
Channel									
Frequency [MHz]				1790	1740	1760			
20	PI2 BPSK	1	1	20.00	20.00	20.00	20.0	0.0	
Channel									
Frequency [MHz]				1717.5	1740	1772.5			
15	PI2 BPSK	1	1	20.02	20.00	20.04	20.0	0.0	
Channel									
Frequency [MHz]				1715	1740	1770			
10	PI2 BPSK	1	1	20.00	20.77	20.00	20.0	0.0	
Channel									
Frequency [MHz]				1712.5	1740	1772.5			
5	PI2 BPSK	1	1	20.02	20.00	20.00	20.0	0.0	

n71_Ant 0												
RF B/W	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-on (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
20	PI2-BPSK	1	1	24.55	24.57	24.54	20.0	0.0				
20	PI2-BPSK	1	53	24.55	24.58	24.52						
20	PI2-BPSK	1	104	24.54	24.55	24.55	20.0	0.0				
20	PI2-BPSK	50	0	24.52	24.54	24.51						
20	PI2-BPSK	50	28	24.52	24.55	24.51	20.0	0.0				
20	PI2-BPSK	50	56	24.52	24.54	24.53						
20	PI2-BPSK	100	0	24.51	24.53	24.52	20.0	0.0				
20	QPSK	1	1	24.55	24.55	24.55						
20	QPSK	1	53	24.52	24.55	24.55	20.0	0.0				
20	QPSK	1	104	24.55	24.55	24.52						
20	QPSK	50	0	24.55	24.55	24.52	20.0	0.0				
20	QPSK	50	28	24.55	24.54	24.55						
20	QPSK	50	56	24.55	24.55	24.52	20.0	0.0				
20	QPSK	100	0	24.55	24.57	24.52						
20	16QAM	1	1	24.55	24.55	24.44	20.0	0.0				
20	16QAM	1	1	22.71	22.85	22.85						
20	256QAM	1	1	20.49	20.59	20.49	21.5	4.5				
Channel												
Frequency (MHz)												
15	PI2-BPSK	1	1	24.52	24.55	24.47	20.0	0.0				
Channel												
Frequency (MHz)												
10	PI2-BPSK	1	1	24.47	24.59	24.44	20.0	0.0				
Channel												
Frequency (MHz)												
5	PI2-BPSK	1	1	24.49	24.57	24.42	20.0	0.0				

n71_Ant 2													
RF B/W	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-on (dB)	MFR (dB)					
Channel													
Frequency (MHz)													
20	PI2-BPSK	1	1	24.55	24.57	24.54	20.0	0.0					
	PI2-BPSK	1	53	24.55	24.58	24.52							
	PI2-BPSK	1	104	24.54	24.55	24.55	20.0	0.0					
	PI2-BPSK	50	0	24.52	24.54	24.51							
	PI2-BPSK	50	28	24.52	24.55	24.51	20.0	0.0					
	PI2-BPSK	50	56	24.52	24.54	24.53							
	PI2-BPSK	100	0	24.51	24.53	24.52	20.0	0.0					
	QPSK	1	1	24.55	24.55	24.55							
	QPSK	1	53	24.52	24.55	24.55	20.0	0.0					
	QPSK	1	104	24.55	24.55	24.52							
20	QPSK	50	0	24.55	24.55	24.52	20.0	0.0					
	QPSK	50	28	24.55	24.54	24.55							
	QPSK	50	56	24.55	24.55	24.52	20.0	0.0					
	QPSK	100	0	24.55	24.57	24.52							
	16QAM	1	1	24.55	24.55	24.44	20.0	0.0					
	16QAM	1	1	22.71	22.85	22.85							
	256QAM	1	1	20.49	20.59	20.49	21.5	4.5					
	Channel												
	Frequency (MHz)												
	15	PI2-BPSK	1	1	24.52	24.55	24.47	20.0	0.0				
Channel													
Frequency (MHz)													
10	PI2-BPSK	1	1	24.47	24.59	24.44	20.0	0.0					
	Channel												
	Frequency (MHz)												
5	PI2-BPSK	1	1	24.49	24.57	24.42	20.0	0.0					
	Channel												
	Frequency (MHz)												



n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Mid Ch. F [MHz]	Power High Ch. F [MHz]	Turn-up [ms]	MPE [dB]	
Channel									
				515004	516000	516996			
Frequency [MHz]				2590.02	2595	2599.98			
40	P102 BPSK	1	1	24.00	24.03	24.03		20.0	0.0
40	P102 BPSK	1	53	24.09	24.05	24.48		20.0	0.0
40	P102 BPSK	1	104	24.04	24.02	24.48		20.0	0.0
40	P102 BPSK	50	0	24.46	24.47	24.48		25.0	0.0
40	P102 BPSK	50	26	24.01	24.04	24.03		25.0	0.0
40	P102 BPSK	50	58	24.47	24.48	24.49		25.0	0.0
40	P102 BPSK	100	0	24.00	24.00	24.01		25.0	0.0
40	QPSK	1	1	24.01	24.00	24.00		20.0	0.0
40	QPSK	1	53	24.02	24.01	24.02		20.0	0.0
40	QPSK	1	104	24.00	24.04	24.02		20.0	0.0
40	QPSK	50	0	24.04	24.01	24.07		20.0	0.0
40	QPSK	50	26	24.01	24.00	24.03		20.0	0.0
40	QPSK	50	58	24.02	24.02	24.02		25.0	1.0
40	QPSK	100	0	24.04	24.02	24.02		25.0	1.0
40	16QAM	1	1	24.01	24.00	24.00		25.0	2.0
40	256QAM	1	1	24.01	24.00	24.00		21.0	4.0
Channel									
Frequency [MHz]				515004 <th>516000<th>516996<th></th><th>MPE [dB]</th><th>Turn-up [ms]</th></th></th>	516000 <th>516996<th></th><th>MPE [dB]</th><th>Turn-up [ms]</th></th>	516996 <th></th> <th>MPE [dB]</th> <th>Turn-up [ms]</th>		MPE [dB]	Turn-up [ms]
30	P102 BPSK	1	1	24.08	24.00	24.01	20.0	0.0	0.0
Channel									
Frequency [MHz]				2590	2595	2595		MPE [dB]	Turn-up [ms]
20	P102 BPSK	1	1	24.02	24.00	24.01	20.0	0.0	0.0
Channel									
Frequency [MHz]				2477 <th>2475<th>2472.40</th><th></th><th>MPE [dB]</th><th>Turn-up [ms]</th></th>	2475 <th>2472.40</th> <th></th> <th>MPE [dB]</th> <th>Turn-up [ms]</th>	2472.40		MPE [dB]	Turn-up [ms]
16	P102 BPSK	1	1	24.00	24.00	24.00	20.0	0.0	0.0
Channel									
Frequency [MHz]				515004 <th>516000<th>516996<th></th><th>MPE [dB]</th><th>Turn-up [ms]</th></th></th>	516000 <th>516996<th></th><th>MPE [dB]</th><th>Turn-up [ms]</th></th>	516996 <th></th> <th>MPE [dB]</th> <th>Turn-up [ms]</th>		MPE [dB]	Turn-up [ms]
Frequency [MHz]				2570.02 <th>2575</th> <th>2574.98</th> <th></th> <th>MPE [dB]</th> <th>Turn-up [ms]</th>	2575	2574.98		MPE [dB]	Turn-up [ms]
10	P102 BPSK	1	1	24.40	24.40	24.51	20.0	0.0	0.0

n38_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Mid Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Turn-up [ms]	MPE [dB]	
Channel									
Frequency [MHz]				2590.02	2595	2599.98			
40	P102 BPSK	1	1	24.00	24.00	24.00			
40	P102 BPSK	1	53	24.09	24.05	24.48	20.0	0.0	
40	P102 BPSK	1	104	24.04	24.02	24.48			
40	P102 BPSK	50	0	24.46	24.47	24.48	25.0	0.0	
40	P102 BPSK	50	26	24.01	24.04	24.03	20.0	0.0	
40	P102 BPSK	50	58	24.47	24.48	24.49			
40	P102 BPSK	100	0	24.00	24.00	24.01	25.0	0.0	
40	QPSK	1	1	24.01	24.00	24.00			
40	QPSK	1	53	24.02	24.01	24.02	20.0	0.0	
40	QPSK	1	104	24.00	24.04	24.02			
40	QPSK	50	0	24.04	24.01	24.07			
40	QPSK	50	26	24.01	24.00	24.03	20.0	0.0	
40	QPSK	50	58	24.02	24.02	24.02			
40	QPSK	100	0	24.04	24.02	24.02	25.0	1.0	
40	16QAM	1	1	24.02	24.01	24.02	20.0	1.0	
40	16QAM	1	1	24.01	24.00	24.00	20.0	2.0	
40	256QAM	1	1	24.01	24.00	24.04	21.0	4.0	
Channel									
Frequency [MHz]				515002	515005	515008			
30	P102 BPSK	1	1	24.08	24.00	24.01	20.0	0.0	
Channel									
Frequency [MHz]				2590	2595	2595			
20	P102 BPSK	1	1	24.02	24.00	24.01	20.0	0.0	
Channel									
Frequency [MHz]				2477.01	2475	2472.40			
16	P102 BPSK	1	1	24.00	24.00	24.00	20.0	0.0	
Channel									
Frequency [MHz]				515004	515005	515008			
Frequency [MHz]				2570.02	2575	2574.98			
10	P102 BPSK	1	1	24.40	24.40	24.51	20.0	0.0	

n41_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Mid Ch. F [MHz]	Power High Ch. F [MHz]	Turn-up [ms]	MPE [dB]	
Channel									
Frequency [MHz]				509002	510000	510000			
100	P102 BPSK	1	1	24.43	24.43	24.07			
100	P102 BPSK	1	137	24.20	24.03	24.03	20.0	0.0	
100	P102 BPSK	1	271	24.40	24.02	24.01			
100	P102 BPSK	100	0	24.00	24.00	24.00	20.0	0.0	
100	P102 BPSK	100	80	24.42	24.01	24.01	20.0	0.0	
100	P102 BPSK	100	136	24.15	24.00	24.02	20.0	0.0	
100	P102 BPSK	200	0	24.00	24.00	24.00			
100	QPSK	1	1	24.13	24.00	24.00	20.0	0.0	
100	QPSK	1	137	24.41	24.02	24.00			
100	QPSK	1	271	24.30	24.01	24.00			
100	QPSK	100	0	24.40	24.00	24.02			
100	QPSK	100	80	24.30	24.00	24.01	20.0	0.0	
100	QPSK	100	136	24.00	24.00	24.00			
100	QPSK	200	0	24.42	24.00	24.04	20.0	0.0	
100	16QAM	1	1	24.00	24.00	24.01	1.0		
100	256QAM	1	1	24.40	24.00	24.04	20.0		
Channel									
Frequency [MHz]				5141	5152.00	5144.96			
50	P102 BPSK	1	1	24.18	24.00	24.15	20.0	0.0	
Channel									
Frequency [MHz]				5130.00	5130.00	5130.00			
50	P102 BPSK	1	1	24.18	24.00	24.18	20.0	0.0	
Channel									
Frequency [MHz]				5131.01	5130.00	5130.00			
70	P102 BPSK	1	1	24.00	24.00	24.00	0.0		
Channel									
Frequency [MHz]				515004	516000	516996			
40	P102 BPSK	1	1	24.34	24.30	24.30	0.0		
Channel									
Frequency [MHz]				514204	516000	516996			
40	P102 BPSK	1	1	24.34	24.30	24.30	20.0	0.0	
Channel									
Frequency [MHz]				514204	516000	516996			
40	P102 BPSK	1	24.31	24.20	24.15	24.15	20.0	0.0	
Channel									
Frequency [MHz]				514202	516000	516996			
40	P102 BPSK	1	24.33	24.20	24.42	24.00	20.0	0.0	
Channel									
Frequency [MHz]				514200	516000	516996			
30	P102 BPSK	1	1	24.30	24.20	24.30	20.0	0.0	
Channel									
Frequency [MHz]				514204	516000	516996			
20	P102 BPSK	1	1	24.30	24.30	24.30	20.0	0.0	

n41(HPUe)_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Mid Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Turn-on [ms]	MPE [dB]	
Channel				516000	516000	516000			
Frequency [MHz]				516000	516000	516000			
100	P102 BPSK	1	1	25.00	25.00	25.00			
100	P102 BPSK	1	137	25.04	25.00	25.00	27.5	0.0	
100	P102 BPSK	1	271	25.10	25.00	25.00			
100	P102 BPSK	100	0	25.00	25.00	25.01	27.0	0.0	
100	P102 BPSK	100	80	25.00	25.00	25.01	27.5	0.0	
100	P102 BPSK	200	0	25.00	25.00	25.01	27.0	0.0	
100	QPSK	1	1	25.02	25.02	25.00			
100	QPSK	1	137	25.06	25.02	25.00	27.5	0.0	
100	QPSK	1	271	25.12	25.02	25.00			
100	QPSK	100	0	24.98	25.03	25.00			
100	QPSK	100	80	24.98	25.03	25.00	26.5	1.0	
100	QPSK	200	0	24.98	25.03	25.00	26.5	1.0	
100	QPSK	100	160	24.87	25.02	24.91			
100	QPSK	200	0	24.78	24.92	24.94	26.5	1.0	
100	QPSK	100	160	24.87	24.92	24.91	26.5	1.0	
100	QPSK	1	1	25.02	25.02	25.00	27.0	0.0	
100	QPSK	1	137	25.06	25.02	25.00			
100	QPSK	1	271	25.12	25.02	25.00			
50	P102 BPSK	1	1	25.01	25.00	25.00			
50	P102 BPSK	1	137	25.05	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	271	25.10	25.00	25.00			
50	P102 BPSK	50	0	25.00	25.00	25.00	27.5	0.0	
50	P102 BPSK	50	160	25.00	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	0	25.00	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.00	25.00	25.00	27.5	0.0	
50	P102 BPSK	200	0	25.00	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.00	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	1	25.01	25.00	25.00			
50	P102 BPSK	1	137	25.05	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	271	25.10	25.00	25.00			
50	P102 BPSK	50	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	50	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	200	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	1	25.01	25.00	25.00			
50	P102 BPSK	1	137	25.05	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	271	25.10	25.00	25.00			
50	P102 BPSK	50	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	50	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	200	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	1	25.01	25.00	25.00			
50	P102 BPSK	1	137	25.05	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	271	25.10	25.00	25.00			
50	P102 BPSK	50	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	50	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	200	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	1	25.01	25.00	25.00			
50	P102 BPSK	1	137	25.05	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	271	25.10	25.00	25.00			
50	P102 BPSK	50	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	50	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	200	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	1	25.01	25.00	25.00			
50	P102 BPSK	1	137	25.05	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	271	25.10	25.00	25.00			
50	P102 BPSK	50	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	50	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	200	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	1	25.01	25.00	25.00			
50	P102 BPSK	1	137	25.05	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	271	25.10	25.00	25.00			
50	P102 BPSK	50	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	50	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	200	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	1	25.01	25.00	25.00			
50	P102 BPSK	1	137	25.05	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	271	25.10	25.00	25.00			
50	P102 BPSK	50	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	50	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	200	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	1	25.01	25.00	25.00			
50	P102 BPSK	1	137	25.05	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	271	25.10	25.00	25.00			
50	P102 BPSK	50	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	50	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	200	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	1	25.01	25.00	25.00			
50	P102 BPSK	1	137	25.05	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	271	25.10	25.00	25.00			
50	P102 BPSK	50	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	50	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	200	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	1	25.01	25.00	25.00			
50	P102 BPSK	1	137	25.05	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	271	25.10	25.00	25.00			
50	P102 BPSK	50	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	50	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	200	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	1	25.01	25.00	25.00			
50	P102 BPSK	1	137	25.05	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	271	25.10	25.00	25.00			
50	P102 BPSK	50	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	50	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	200	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	1	25.01	25.00	25.00			
50	P102 BPSK	1	137	25.05	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	271	25.10	25.00	25.00			
50	P102 BPSK	50	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	50	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	200	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	1	25.01	25.00	25.00			
50	P102 BPSK	1	137	25.05	25.00	25.00	27.5	0.0	
50	P102 BPSK	1	271	25.10	25.00	25.00			
50	P102 BPSK	50	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	50	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	200	0	25.01	25.00	25.00	27.5	0.0	
50	P102 BPSK	100	160	25.01	25.00				

n41_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [F-MHz]	Power Mid Ch. [F-MHz]	Power High Ch. [F-MHz]	Turn-on time [dBm]	MPE [dB]	
Channel									
				300000	318000	336000			
				304000	322000	340000			
100	PI2 BPSK	1	1	24.43	24.55	24.67			
100	PI2 BPSK	1	137	24.38	24.50	24.63	20.0	0.0	
100	PI2 BPSK	1	273	24.40	24.52	24.61			
100	PI2 BPSK	135	0	24.50	24.55	24.59	20.0	0.0	
100	PI2 BPSK	135	66	24.42	24.50	24.55	20.0	0.0	
100	PI2 BPSK	135	134	24.75	24.38	24.62	20.0	0.0	
100	PI2 BPSK	270	0	24.38	24.50	24.62			
100	QPSK	1	1	24.73	24.55	24.65			
100	QPSK	1	137	24.41	24.52	24.62	20.0	0.0	
100	QPSK	1	273	24.39	24.57	24.62			
100	QPSK	135	0	24.49	24.52	24.62			
100	QPSK	135	66	24.38	24.58	24.61	20.0	0.0	
100	QPSK	135	134	24.70	24.38	24.60			
100	QPSK	270	0	24.42	24.56	24.64	20.0	0.0	
100	16QAM	1	1	24.35	24.52	24.61	20.0	0.0	
100	16QAM	1	1	23.80	23.98	24.15	25.0	1.0	
100	256QAM	1	1	27.40	27.12	27.04	23.0	4.0	
Channel									
				300000	318000	336000			
				304000	322000	340000			
30	PI2 BPSK	1	1	24.78	24.68	24.75	20.0	0.0	
30	PI2 BPSK	1	1	23.75	23.75	23.75			
Channel									
				303000	324000	345000			
				307000	328000	349000			
80	PI2 BPSK	1	1	24.78	24.68	24.78	20.0	0.0	
80	PI2 BPSK	1	1	23.75	23.75	23.75			
Channel									
				303100	324200	345100			
				307100	328200	349100			
70	PI2 BPSK	1	1	24.78	24.68	24.78	20.0	0.0	
70	PI2 BPSK	1	1	23.75	23.75	23.75			
Channel									
				303200	324300	345200			
				307200	328300	349200			
60	PI2 BPSK	1	1	24.78	24.68	24.78	20.0	0.0	
60	PI2 BPSK	1	1	23.75	23.75	23.75			
Channel									
				303300	324400	345300			
				307300	328400	349300			
50	PI2 BPSK	1	1	24.78	24.68	24.78	20.0	0.0	
50	PI2 BPSK	1	1	23.75	23.75	23.75			
Channel									
				303400	324500	345400			
				307400	328500	349400			
40	PI2 BPSK	1	1	24.78	24.68	24.78	20.0	0.0	
40	PI2 BPSK	1	1	23.75	23.75	23.75			
Channel									
				303500	324600	345500			
				307500	328600	349500			
30	PI2 BPSK	1	1	24.78	24.68	24.78	20.0	0.0	
30	PI2 BPSK	1	1	23.75	23.75	23.75			
Channel									
				303600	324700	345600			
				307600	328700	349600			
20	PI2 BPSK	1	1	24.78	24.68	24.78	20.0	0.0	
20	PI2 BPSK	1	1	23.75	23.75	23.75			

n41(HPUE)_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up [ms]	MPE [dB]	
Channel									
				300000	318000	336000			
				304000	322000	340000			
100	PI2 BPSK	1	1	25.55	25.57	25.59			
100	PI2 BPSK	1	137	25.49	25.50	25.55	27.5	0.0	
100	PI2 BPSK	1	273	25.70	25.60	25.53			
100	PI2 BPSK	135	0	25.50	25.50	25.51	27.0	0.0	
100	PI2 BPSK	135	66	25.60	25.51	25.52	27.5	0.0	
100	PI2 BPSK	135	134	25.70	25.50	25.54	27.0	0.0	
100	PI2 BPSK	270	0	25.50	25.50	25.51			
100	QPSK	1	1	25.52	25.52	25.58			
100	QPSK	1	137	25.50	25.56	25.52	27.5	0.0	
100	QPSK	1	273	25.71	25.57	25.50			
100	QPSK	135	0	24.88	24.53	24.52			
100	QPSK	135	66	25.65	25.53	25.52	27.5	0.0	
100	QPSK	135	134	24.67	24.52	24.51			
100	QPSK	270	0	24.78	24.52	24.54	26.5	1.0	
100	16QAM	1	1	25.71	24.50	24.53	26.0	1.0	
100	16QAM	1	1	25.65	23.52	23.77	26.5	2.5	
100	256QAM	1	1	27.40	27.17	27.02	23.0	4.0	
Channel									
				300000	318000	336000			
				304000	322000	340000			
30	PI2 BPSK	1	1	25.50	25.54	25.58	27.5	0.0	
30	PI2 BPSK	1	1	23.75	23.75	23.75		0.0	
Channel									
				303000	324000	345000			
				307000	328000	349000			
80	PI2 BPSK	1	1	25.70	25.60	25.53	27.0	0.0	
80	PI2 BPSK	1	1	23.75	23.75	23.75		0.0	
Channel									
				303100	324200	345100			
				307100	328200	349100			
70	PI2 BPSK	1	1	25.70	25.60	25.53	27.0	0.0	
70	PI2 BPSK	1	1	23.75	23.75	23.75		0.0	
Channel									
				303200	324300	345200			
				307200	328300	349200			
60	PI2 BPSK	1	1	25.70	25.60	25.53	27.0	0.0	
60	PI2 BPSK	1	1	23.75	23.75	23.75		0.0	
Channel									
				303300	324400	345300			
				307300	328400	349300			
50	PI2 BPSK	1	1	25.70	25.60	25.53	27.0	0.0	
50	PI2 BPSK	1	1	23.75	23.75	23.75		0.0	
Channel									
				303400	324500	345400			
				307400	328500	349400			
40	PI2 BPSK	1	1	25.70	25.60	25.53	27.0	0.0	
40	PI2 BPSK	1	1	23.75	23.75	23.75		0.0	
Channel									
				303500	324600	345500			
				307500	328600	349500			
30	PI2 BPSK	1	1	25.70	25.60	25.53	27.0	0.0	
30	PI2 BPSK	1	1	23.75	23.75	23.75		0.0	
Channel									
				303600	324700	345600			
				307600	328700	349600			



n48_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-on (ms)	dBm	dB
Channel									
Frequency (MHz)									
40	PB2-BPSK	1	1	24.55	24.55	24.45			
40	PB2-BPSK	1	53	24.45	24.28	24.27	20.0		0.0
40	PB2-BPSK	1	104	24.55	24.43	24.32			
40	PB2-BPSK	50	0	24.43	24.34	24.35	25.0		0.0
40	PB2-BPSK	50	26	24.43	24.35	24.37	20.0		0.0
40	PB2-BPSK	50	56	24.45	24.30	24.22	25.0		0.0
40	PB2-BPSK	100	0	24.45	24.36	24.30			
40	QPSK	1	1	24.54	24.39	24.41			
40	QPSK	1	53	24.55	24.31	24.34	20.0		0.0
40	QPSK	1	104	24.54	24.32	24.30			
40	QPSK	50	0	23.94	23.78	23.80			
40	QPSK	50	26	24.43	24.25	24.27	20.0		0.0
40	QPSK	50	56	23.92	23.73	23.81			
40	QPSK	100	0	23.93	23.78	23.75	20.0		1.0
40	16QAM	1	1	24.07	24.01	24.00	20.0		1.0
40	16QAM	1	1	22.52	22.46	22.50	23.5		2.5
40	256QAM	1	1	20.47	20.33	20.30	21.5		4.5
Channel									
Frequency (MHz)									
20	PB2-BPSK	1	1	24.51	24.44	24.29	20.0		0.0
Channel									
Frequency (MHz)									
10	PB2-BPSK	1	1	24.45	24.34	24.25	20.0		0.0

n48_Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-on (ms)	dBm	dB
Channel									
Frequency (MHz)									
40	PB2-BPSK	1	1	24.55	24.55	24.45			
40	PB2-BPSK	1	53	24.45	24.28	24.27	20.0		0.0
40	PB2-BPSK	1	104	24.55	24.43	24.32			
40	PB2-BPSK	50	0	24.43	24.34	24.35	25.0		0.0
40	PB2-BPSK	50	26	24.43	24.35	24.37	20.0		0.0
40	PB2-BPSK	50	56	24.45	24.30	24.22	25.0		0.0
40	PB2-BPSK	100	0	24.45	24.36	24.30			
40	QPSK	1	1	24.54	24.39	24.41			
40	QPSK	1	53	24.55	24.31	24.34	20.0		0.0
40	QPSK	1	104	24.54	24.32	24.30			
40	QPSK	50	0	23.94	23.78	23.80			
40	QPSK	50	26	24.43	24.25	24.27	20.0		0.0
40	QPSK	50	56	23.92	23.73	23.81			
40	QPSK	100	0	23.93	23.78	23.75	20.0		1.0
40	16QAM	1	1	24.07	24.01	24.00	20.0		1.0
40	16QAM	1	1	22.52	22.46	22.50	23.5		2.5
40	256QAM	1	1	20.47	20.33	20.30	21.5		4.5
Channel									
Frequency (MHz)									
20	PB2-BPSK	1	1	24.51	24.44	24.29	20.0		0.0
Channel									
Frequency (MHz)									
10	PB2-BPSK	1	1	24.45	24.34	24.25	20.0		0.0

Part270_n77_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-on (ms)	dBm	dB
Channel									
Frequency (MHz)									
100	PB2-BPSK	1	1	24.51	24.50	24.32			
100	PB2-BPSK	1	137	24.50	24.31	24.32	20.0		0.0
100	PB2-BPSK	1	271	24.78	24.63	24.73			
100	PB2-BPSK	150	0	24.40	24.25	24.40	20.0		0.0
100	PB2-BPSK	150	86	24.80	24.51	24.71	20.0		0.0
100	PB2-BPSK	150	158	24.78	24.78	24.74	20.0		0.0
100	PB2-BPSK	210	0	24.63	24.50	24.78			
100	QPSK	1	1	24.86	24.67	24.69			
100	QPSK	1	137	24.90	24.79	24.72	20.0		0.0
100	QPSK	1	271	24.77	24.63	24.78			
100	QPSK	150	0	24.66	24.78	24.63			
100	QPSK	150	86	24.60	24.73	24.77	20.0		0.0
100	QPSK	150	158	24.74	24.72	24.75			
100	QPSK	210	0	24.61	24.74	24.71	20.0		0.0
100	16QAM	1	1	24.78	24.67	24.72	20.0		0.0
100	16QAM	1	1	24.66	24.60	24.61	23.0		1.0
100	256QAM	1	1	21.86	21.87	21.79	23.0		3.0
Channel									
Frequency (MHz)									
50	PB2-BPSK	1	1	24.85	24.63	24.61	20.0		0.0
Channel									
Frequency (MHz)									
50	PB2-BPSK	1	1	24.76	24.61	24.53	20.0		0.0
Channel									
Frequency (MHz)									
20	PB2-BPSK	1	1	24.55	24.50	24.32			
Channel									
Frequency (MHz)									
10	PB2-BPSK	1	1	24.45	24.40	24.28	20.0		0.0
Channel									
Frequency (MHz)									
50	PB2-BPSK	1	1	24.45	24.40	24.28	20.0		0.0
Channel									
Frequency (MHz)									
40	PB2-BPSK	1	1	24.78	24.62	24.54	20.0		0.0
Channel									
Frequency (MHz)									
30	PB2-BPSK	1	1	24.80	24.68	24.54	20.0		0.0
Channel									
Frequency (MHz)									
20	PB2-BPSK	1	1	24.78	24.60	24.55	20.0		0.0
Channel									
Frequency (MHz)									
15	PB2-BPSK	1	1	24.77	24.67	24.58	20.0		0.0
Channel									
Frequency (MHz)									
10	PB2-BPSK	1	1	24.63	24.53	24.52	20.0		0.0

Part270_n77(HPUe)_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-on (ms)	dBm	dB
Channel									
Frequency (MHz)									
100	PB2-BPSK	1	1	24.45	24.34	24.34			
100	PB2-BPSK	1	137	24.35	24.22	24.30	27.5		0.0
100	PB2-BPSK	1	271	24.26	24.32	24.20			
100	PB2-BPSK	150	0	24.62	24.54	24.62	27.0		0.0
100	PB2-BPSK	150	86	24.38	24.51	24.51	27.5		0.0
100	PB2-BPSK	150	158	25.73	25.68	25.73	27.0		0.0
100	PB2-BPSK	210	0	25.40	25.77	25.70			
100	QPSK	1	1	26.42	26.35	26.32			
100	QPSK	1	137	26.38	26.24	26.30	27.5		0.0
100	QPSK	1	271	26.38	26.20	26.31			
100	QPSK	150	0	25.36	25.41	25.32			
100	QPSK	150	86	26.36	26.17	26.32	27.5		0.0
100	QPSK	150	158	25.27	25.24	25.34			
100	QPSK	210	0	25.27	25.25	25.31	26.5		1.0
100	16QAM	1	1	25.31	25.22	25.28	26.5		1.0
100	16QAM	1	1	24.08	24.08	24.04	25.0		2.5
100	256QAM	1	1	21.90	21.88	21.86	25.0		4.0
Channel									
Frequency (MHz)									
50	PB2-BPSK	1	1	26.44	26.24	26.22	27.5		0.0
Channel									
Frequency (MHz)									
50	PB2-BPSK	1	1	26.44	26.17	26.18	27.5		0.0
Channel									
Frequency (MHz)									
20	PB2-BPSK	1	1	26.45	26.29	26.22	27.5		0.0
Channel									
Frequency (MHz)									
50	PB2-BPSK	1	1	26.48	26.30	26.29	27.5		0.0
Channel									
Frequency (MHz)									
50	PB2-BPSK	1	1	26.44	26.24	26.13	27.5		0.0
Channel									
Frequency (MHz)									
50	PB2-BPSK	1	1	26.44	26.24	26.10	27.5		0.0
Channel									
Frequency (MHz)									
20	PB2-BPSK	1	1	26.34	26.18	26.20	27.5		0.0
Channel									
Frequency (MHz)									
20	PB2-BPSK	1	1	26.34	26.18	26.10	27.5		0.0
Channel									
Frequency (MHz)									
10	PB2-BPSK	1	1	26.42	26.22	26.14	27.5		0.0

Part270_n77_Ant 8									
Site (MHz)	Modulation	RF Size	RF Offset	Power (dBm)	Power (dBm) Ch. Offset	Power (dBm) Ch. Offset	Power (dBm) Ch. Offset	Transmit Time (s)	MFR (s)
Frequency (MHz)				Power (dBm)	Power (dBm) Ch. Offset	Power (dBm) Ch. Offset	Power (dBm) Ch. Offset		
100	P270 n77	1	0	-28.93	-28.93	-28.93	-28.93		0.0
100	P270 n77	1	137	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	P270 n77	1	211	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	P270 n77	130	0	-24.40	-24.70	-24.00	-24.00	25.0	0.0
100	P270 n77	130	99	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	P270 n77	210	0	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	1	0	-24.87	-24.82	-24.70	-24.70		
100	GP270	1	137	-24.00	-24.01	-24.00	-24.00	25.0	0.0
100	GP270	1	211	-24.77	-24.81	-24.69	-24.69		
100	GP270	130	0	-24.00	-24.70	-24.00	-24.00	25.0	0.0
100	GP270	130	99	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	130	100	-24.74	-24.72	-24.70	-24.70		
100	GP270	210	0	-24.00	-24.74	-24.00	-24.00	25.0	0.0
100	GP270	210	99	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	100	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	101	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	102	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	103	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	104	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	105	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	106	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	107	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	108	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	109	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	110	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	111	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	112	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	113	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	114	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	115	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	116	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	117	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	118	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	119	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	120	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	121	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	122	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	123	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	124	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	125	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	126	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	127	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	128	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	129	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	130	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	131	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	132	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	133	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	134	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	135	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	136	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	137	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	138	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	139	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	140	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	141	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	142	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	143	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	144	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	145	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	146	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	147	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	148	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	149	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	150	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	151	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	152	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	153	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	154	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	155	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	156	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	157	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	158	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	159	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	160	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	161	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	162	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	163	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	164	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	165	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	166	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	167	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	168	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	169	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	170	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	171	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	172	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	173	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	174	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	175	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	176	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	177	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	178	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	179	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	180	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	181	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	182	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	183	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	184	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	185	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	186	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	187	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	188	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	189	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	190	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	191	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	192	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	193	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	194	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	195	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	196	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	197	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	198	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	199	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	200	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	201	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	202	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	203	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	204	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	205	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	206	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	207	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	208	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	209	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	210	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	211	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	212	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	213	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	214	-24.00	-24.01	-24.72	-24.72	25.0	0.0
100	GP270	210	215	-24.00	-24.01	-24.72	-24.72		

Part270_n77(HPUe) Ant 8									
Ref (MHz)	Modulation	RF Sigs	RF C/C	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Carrier Freq. (MHz)	MFR (Hz)
Channel				Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Carrier Freq. (MHz)	MFR (Hz)
000	P16 (BPSK)	1	1	28.45	28.34	28.34	28.34		
000	P16 (BPSK)	1	157	26.50	26.22	26.26	26.30	27.5	0.0
000	P16 (BPSK)	1	211	26.50	26.22	26.26	26.30	27.5	0.0
000	P16 (BPSK)	158	0	21.82	21.94	21.83	21.70	0.0	0.0
000	P16 (BPSK)	159	0	26.50	26.33	26.33	26.33	27.5	0.0
000	P16 (BPSK)	210	0	21.82	21.77	21.75	21.70	0.0	0.0
000	GPS L1	1	157	26.42	26.33	26.32	26.32	27.5	0.0
000	GPS L1	1	211	26.42	26.33	26.32	26.32	27.5	0.0
000	GPS L1	158	0	21.82	21.77	21.75	21.70	0.0	0.0
000	GPS L1	159	0	26.50	26.41	26.32	26.32	27.5	0.0
000	GPS L1	210	0	21.82	21.77	21.75	21.70	0.0	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0
000	GPS L1	210	0	26.42	26.25	26.25	26.25	27.5	0.0
000	GPS L1	158	158	29.27	29.25	29.25	29.25	27.5	0.0
000	GPS L1	158	158	29.27	29.24	29.24	29.24	27.5	0.0

Part270_n77_Ant_9									
RF [MHz]	Modulation	RB [Hz]	SSB Offset	Power [dBm] [Ch/Freq]	Power [dBm] [Ch/Freq]	Power [dBm] [Ch/Freq]	Power [dBm] [Ch/Freq]	Carrier [dBm]	SNR [dB]
100	PSS-BPSK	1	1	28.91	-18.25	-24.75			
100	PSS-BPSK	1	137	24.50	24.81	24.72	26.0	0.0	
100	PSS-BPSK	133	241	24.43	24.83	24.73	26.0	0.0	
100	PSS-BPSK	133	0	24.40	24.75	24.68	26.0	0.0	
100	PSS-BPSK	133	89	24.58	24.33	24.71	26.0	0.0	
100	PSS-BPSK	271	0	24.57	24.62	24.74	26.0	0.0	
100	GPS	1	1	24.60	24.81	24.69			
100	GPS	1	137	24.50	24.79	24.64	26.0	0.0	
100	GPS	1	211	24.77	24.83	24.78			
100	GPS	133	0	24.68	24.75	24.83			
100	GPS	133	89	24.48	24.73	24.67	26.0	0.0	
100	GPS	133	136	24.74	24.72	24.70			
100	GPS	271	0	24.61	24.74	24.71	26.0	0.0	
100	GPS	271	136	24.78	24.67	24.70	26.0	0.0	
100	IS-GM4	1	1	24.86	26.02	26.02	25.0	1.0	
100	IS-GM4	1	137	24.78	26.01	26.01	25.0	1.0	
100	IS-GM4	1	211	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	133	0	24.68	26.00	26.00	25.0	1.0	
100	IS-GM4	133	89	24.68	26.00	26.00	25.0	1.0	
100	IS-GM4	133	136	24.74	26.00	26.00	25.0	1.0	
100	IS-GM4	271	0	24.61	26.00	26.00	25.0	1.0	
100	IS-GM4	271	136	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	211	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	241	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	271	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	289	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	317	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	345	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	373	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	401	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	429	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	457	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	485	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	513	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	541	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	569	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	597	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	625	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	653	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	681	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	709	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	737	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	765	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	793	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	821	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	849	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	877	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	905	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	933	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	961	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	989	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1017	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1045	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1073	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1101	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1129	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1157	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1185	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1213	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1241	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1269	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1297	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1325	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1353	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1381	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1409	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1437	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1465	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1493	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1521	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1549	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1577	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1605	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1633	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1661	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1689	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1717	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1745	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1773	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1801	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1829	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1857	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1885	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1913	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1941	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1969	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	1997	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2025	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2053	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2081	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2109	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2137	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2165	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2193	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2221	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2249	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2277	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2305	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2333	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2361	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2389	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2417	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2445	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2473	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2501	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2529	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2557	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2585	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2613	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2641	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2669	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2697	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2725	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2753	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2781	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2809	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2837	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2865	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2893	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2921	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2949	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	2977	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3005	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3033	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3061	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3089	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3117	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3145	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3173	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3201	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3229	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3257	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3285	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3313	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3341	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3369	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3397	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3425	24.78	26.00	26.00	25.0	1.0	
100	IS-GM4	271	3453	24.66	26.00	26.00	25.0	1.0	
100	IS-GM4</								

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Ref (MHz)	Modulation	RB Size	RB Offset	Power (dBm) Tx (Ch, Freq)	Power (dBm) Rx (Ch, Freq)	Power (dBm) Tx (Ch, Freq)	Power (dBm) Rx (Ch, Freq)	Latency (ms)	SNR (dB)
				Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)		
100	PSS-BFSS	1	0	-28.45	-30.34	-28.35	-30.25		0.0
100	PSS-BFSS	1	137	-28.35	-30.25	-28.45	-30.34	27.5	0.0
100	PSS-BFSS	1	274	-28.25	-30.34	-28.35	-30.25		0.0
100	PSS-BFSS	150	0	-25.82	-29.94	-25.82	-29.75		0.0
100	PSS-BFSS	150	89	-25.75	-30.34	-25.82	-30.25	27.5	0.0
100	PSS-BFSS	150	178	-25.82	-30.25	-25.75	-30.34		0.0
100	PSS-BFSS	275	0	-25.62	-29.77	-25.75	-29.94	27.5	0.5
100	CPSS	1	0	-28.42	-30.25	-28.32	-30.32		
100	CPSS	1	137	-28.32	-30.24	-28.42	-30.32	27.5	0.0
100	CPSS	1	274	-28.25	-30.29	-28.35	-30.35		
100	CPSS	150	0	-25.58	-29.41	-25.52	-29.52		
100	CPSS	150	89	-25.52	-29.41	-25.58	-29.52	27.5	0.0
100	CPSS	150	178	-25.57	-29.24	-25.58	-29.35		
100	CPSS	275	0	-25.41	-29.25	-25.51	-29.35		
100	CPSS	275	89	-25.41	-29.25	-25.51	-29.35	27.5	1.0
100	MCSS	1	0	-28.48	-30.18	-28.48	-30.18	26.5	1.0
100	MCSS	1	137	-28.48	-30.18	-28.48	-30.18	26.5	1.0
100	MCSS	1	274	-28.48	-30.18	-28.48	-30.18	26.5	1.0
100	MCSS	150	0	-25.68	-29.67	-25.68	-29.67	26.5	1.0
100	MCSS	150	89	-25.68	-29.67	-25.68	-29.67	26.5	1.0
100	MCSS	150	178	-25.68	-29.67	-25.68	-29.67	26.5	1.0
100	MCSS	275	0	-25.68	-29.67	-25.68	-29.67	26.5	1.0
100	MCSS	275	89	-25.68	-29.67	-25.68	-29.67	26.5	1.0
100	MCSS	275	178	-25.68	-29.67	-25.68	-29.67	26.5	1.0
80	Frequency (MHz)			94.8500	94.8500	94.8532	94.8532		10dB
80	PSS-BFSS	1	0	-28.34	-30.24	-28.34	-30.24	27.5	0.0
80	Frequency (MHz)			94.8532	94.8532	94.8564	94.8564		10dB
80	PSS-BFSS	1	137	-28.34	-30.24	-28.34	-30.24	27.5	0.0
80	Frequency (MHz)			94.8564	94.8564	94.8596	94.8596		10dB
80	PSS-BFSS	1	274	-28.34	-30.24	-28.34	-30.24	27.5	0.0
80	Frequency (MHz)			94.8596	94.8596	94.8628	94.8628		10dB
80	PSS-BFSS	150	0	-25.74	-29.94	-25.74	-29.94	27.5	0.0
80	Frequency (MHz)			94.8628	94.8628	94.8660	94.8660		10dB
80	PSS-BFSS	150	89	-25.74	-29.94	-25.74	-29.94	27.5	0.0
80	Frequency (MHz)			94.8660	94.8660	94.8692	94.8692		10dB
80	PSS-BFSS	150	178	-25.74	-29.94	-25.74	-29.94	27.5	0.0
80	Frequency (MHz)			94.8692	94.8692	94.8724	94.8724		10dB
80	PSS-BFSS	275	0	-25.43	-29.21	-25.41	-29.21	27.5	0.0
80	Frequency (MHz)			94.8724	94.8724	94.8756	94.8756		10dB
80	PSS-BFSS	275	89	-25.37	-29.23	-25.43	-29.23	27.5	0.0
80	Frequency (MHz)			94.8756	94.8756	94.8788	94.8788		10dB
80	PSS-BFSS	275	178	-25.34	-29.18	-25.39	-29.25	27.5	0.0
80	Frequency (MHz)			94.8788	94.8788	94.8820	94.8820		10dB
80	PSS-BFSS	275	275	-25.44	-29.21	-25.49	-29.25	27.5	0.0
80	Frequency (MHz)			94.8820	94.8820	94.8852	94.8852		10dB
80	PSS-BFSS	275	275	-25.42	-29.22	-25.44	-29.25	27.5	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up (ms)	dBm	dBm
Channel									
Frequency (MHz)									
100	P102 BPSK	1	1	24.51	24.51	24.51			
100	P102 BPSK	1	137	24.50	24.51	24.52	20.0	0.0	
100	P102 BPSK	1	271	24.70	24.69	24.72			
100	P102 BPSK	155	0	24.40	24.70	24.68	20.0	0.0	
100	P102 BPSK	155	66	24.60	24.51	24.71	20.0	0.0	
100	P102 BPSK	155	138	24.70	24.78	24.74	20.0	0.0	
100	P102 BPSK	200	0	24.67	24.64	24.71			
100	QPSK	1	1	24.69	24.81	24.68			
100	QPSK	1	137	24.60	24.70	24.72	20.0	0.0	
100	QPSK	1	271	24.77	24.63	24.70			
100	QPSK	155	0	24.68	24.70	24.63			
100	QPSK	155	66	24.65	24.70	24.71	20.0	0.0	
100	QPSK	155	138	24.74	24.72	24.70			
100	QPSK	200	0	24.81	24.74	24.71	20.0	0.0	
100	QPSK	1	1	24.76	24.67	24.72	20.0	0.0	
100	16QAM	1	1	24.68	24.67	24.61	20.0	1.0	
100	256QAM	1	1	21.90	21.87	21.78	20.0	0.0	
Channel									
Frequency (MHz)									
30	P102 BPSK	1	1	24.65	24.63	24.61	20.0	0.0	
Channel									
Frequency (MHz)									
80	P102 BPSK	1	1	24.70	24.61	24.53	20.0	0.0	
Channel									
Frequency (MHz)									
70	P102 BPSK	1	1	24.60	24.59	24.58	20.0	0.0	
Channel									
Frequency (MHz)									
80	P102 BPSK	1	1	24.60	24.59	24.58	20.0	0.0	
Channel									
Frequency (MHz)									
80	P102 BPSK	1	1	24.60	24.59	24.58	20.0	0.0	
Channel									
Frequency (MHz)									
80	P102 BPSK	1	1	24.60	24.59	24.58	20.0	0.0	
Channel									
Frequency (MHz)									
40	P102 BPSK	1	1	24.70	24.60	24.54	20.0	0.0	
Channel									
Frequency (MHz)									
30	P102 BPSK	1	1	24.70	24.58	24.54	20.0	0.0	
Channel									
Frequency (MHz)									
30	P102 BPSK	1	1	24.70	24.58	24.54	20.0	0.0	
Channel									
Frequency (MHz)									
15	P102 BPSK	1	1	24.77	24.57	24.58	20.0	0.0	
Channel									
Frequency (MHz)									
15	P102 BPSK	1	1	24.60	24.53	24.52	20.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up (ms)	dBm	dBm
Channel									
Frequency (MHz)									
100	P102 BPSK	1	1	25.45	25.45	25.34			
100	P102 BPSK	1	137	25.35	25.32	25.30	27.5	0.0	
100	P102 BPSK	1	271	25.20	25.32	25.29			
100	P102 BPSK	155	0	25.62	25.34	25.62	27.5	0.0	
100	P102 BPSK	155	66	25.30	25.32	25.31	27.5	0.0	
100	P102 BPSK	155	138	25.73	25.69	25.73	27.5	0.0	
100	P102 BPSK	200	0	25.50	25.77	25.76			
100	QPSK	1	1	25.42	25.33	25.32			
100	QPSK	1	137	25.30	25.26	25.30	27.5	0.0	
100	QPSK	1	271	25.30	25.26	25.30			
100	QPSK	155	0	25.30	25.41	25.32			
100	QPSK	155	66	25.36	25.37	25.32	27.5	0.0	
100	QPSK	155	138	25.27	25.24	25.34			
100	QPSK	200	0	25.27	25.25	25.31	26.5	1.0	
100	16QAM	1	1	25.37	25.25	25.30	26.5	1.0	
100	64QAM	1	1	24.90	24.60	24.64	20.0	2.5	
100	256QAM	1	1	21.86	21.60	21.60	20.0	4.5	
Channel									
Frequency (MHz)									
50	P102 BPSK	1	1	26.44	26.24	26.22	27.5	0.0	
Channel									
Frequency (MHz)									
80	P102 BPSK	1	1	26.41	26.17	26.16	27.5	0.0	
Channel									
Frequency (MHz)									
70	P102 BPSK	1	1	26.41	26.17	26.16	27.5	0.0	
Channel									
Frequency (MHz)									
80	P102 BPSK	1	1	26.41	26.17	26.16	27.5	0.0	
Channel									
Frequency (MHz)									
80	P102 BPSK	1	1	26.41	26.17	26.16	27.5	0.0	
Channel									
Frequency (MHz)									
50	P102 BPSK	1	1	26.41	26.24	26.15	27.5	0.0	
Channel									
Frequency (MHz)									
40	P102 BPSK	1	1	26.41	26.19	26.21	27.5	0.0	
Channel									
Frequency (MHz)									
30	P102 BPSK	1	1	26.37	26.23	26.15	27.5	0.0	
Channel									
Frequency (MHz)									
30	P102 BPSK	1	1	26.34	26.18	26.20	27.5	0.0	
Channel									
Frequency (MHz)									
15	P102 BPSK	1	1	26.44	26.21	26.18	27.5	0.0	
Channel									
Frequency (MHz)									
15	P102 BPSK	1	1	26.40	26.22	26.14	27.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-on (ms)	dBm	dBm
Channel									
Frequency (MHz)									
100	P102 BPSK	1	1	24.50	24.50	24.50			
100	P102 BPSK	1	137	24.70	24.70	24.70	20.0	0.0	
100	P102 BPSK	1	271	24.60	24.60	24.60			
100	P102 BPSK	155	0	24.60	24.60	24.60	20.0	0.0	
100	P102 BPSK	155	66	24.60	24.60	24.60	20.0	0.0	
100	P102 BPSK	155	138	24.47	24.47	24.47	20.0	0.0	
100	P102 BPSK	200	0	24.63	24.63	24.63			
100	QPSK	1	1	24.61	24.61	24.61			
100	QPSK	1	137	24.73	24.73	24.73	20.0	0.0	
100	QPSK	1	271	24.60	24.60	24.60			
100	QPSK	155	0	24.67	24.67	24.67	20.0	0.0	
100	QPSK	155	66	24.67	24.67	24.67	20.0	0.0	
100	QPSK	155	138	24.44	24.44	24.44			
100	QPSK	200	0	24.71	24.71	24.71	20.0	0.0	
100	16QAM	1	1	24.71	24.71	24.71	20.0	1.0	
100	256QAM	1	1	21.86	21.86	21.86	20.0	3.0	
Channel									
Frequency (MHz)									
50	P102 BPSK	1	1	24.6666	24.6666	24.6666	20.0	0.0	
50	P102 BPSK	1	137	24.76	24.76	24.76	20.0	0.0	
50	P102 BPSK	1	271	24.6333	24.6333	24.6333	20.0	0.0	
50	P102 BPSK	155	0	24.71	24.71	24.71	20.0	0.0	
50	P102 BPSK	155	66	24.71	24.71	24.71	20.0	0.0	
50	P102 BPSK	155	137	24.61	24.61	24.61	20.0	0.0	
50	P102 BPSK	200	0	24.77	24.77	24.77	20.0	0.0	
Channel									
Frequency (MHz)									
40	P102 BPSK	1	1	24.6666	24.6666	24.6666	20.0	0.0	
40	P102 BPSK	1	137	24.76	24.76	24.76	20.0	0.0	
40	P102 BPSK	1	271	24.6333	24.6333	24.6333	20.0	0.0	
40	P102 BPSK	155	0	24.71	24.71	24.71	20.0	0.0	
40	P102 BPSK	155	66	24.71	24.71	24.71	20.0	0.0	
40	P102 BPSK	155	137	24.61	24.61	24.61	20.0	0.0	
40	P102 BPSK	200	0	24.77	24.77	24.77	20.0	0.0	
Channel									
Frequency (MHz)									
30	P102 BPSK	1	1	24.6333	24.6333	24.6333	20.0	0.0	
30	P102 BPSK	1	137	24.76	24.76	24.76	20.0	0.0	
30	P102 BPSK	1	271	24.6333	24.6333	24.6333	20.0	0.0	
30	P102 BPSK	155	0	24.71	24.71	24.71	20.0	0.0	
30	P102 BPSK	155	66	24.71	24.71	24.71	20.0	0.0	
30	P102 BPSK	155	137	24.61	24.61	24.61	20.0	0.0	
30	P102 BPSK	200	0	24.77	24.77	24.77	20.0	0.0	
Channel									
Frequency (MHz)									
20	P102 BPSK	1	1	24.6333	24.6333	24.6333	20.0	0.0	
20	P102 BPSK	1	137	24.76	24.76	24.76	20.0	0.0	
20	P102 BPSK	1	271	24.6333	24.6333	24.6333	20.0	0.0	
20	P102 BPSK	155	0	24.71	24.71	24.71	20.0	0.0	
20	P102 BPSK	155	66	24.71	24.71	24.71	20.0	0.0	
20	P102 BPSK	155	137	24.61	24.61	24.61	20.0	0.0	
20	P102 BPSK	200	0	24.77	24.77	24.77	20.0	0.0	
Channel									
Frequency (MHz)									
15	P102 BPSK	1	1	24.6333	24.6333	24.6333	20.0	0.0	
15	P102 BPSK	1	137	24.76	24.76	24.76	20.0	0.0	
15	P102 BPSK	1	271	24.6333	24.6333	24.6333	20.0	0.0	
15	P102 BPSK	155	0	24.71	24.71	24.71	20.0	0.0	
15	P102 BPSK	155	66	24.71	24.71	24.71	20.0	0.0	
15	P102 BPSK	155	137	24.61	24.61	24.61	20.0	0.0	
15	P102 BPSK	200	0	24.77	24.77	24.77	20.0	0.0	
Channel									
Frequency (MHz)									
10	P102 BPSK	1	1	24.6333	24.6333	24.6333	20.0	0.0	
10	P102 BPSK	1	137	24.76	24.76	24.76	20.0	0.0	
10	P102 BPSK	1	271	24.6333	24.6333	24.6333	20.0	0.0	
10	P102 BPSK	155	0	24.71	24.71	24.71	20.0	0.0	
10	P102 BPSK	155	66	24.71	24.71	24.71	20.0	0.0	
10	P102 BPSK	155	137	24.61	24.61	24.61	20.0	0.0	
10	P102 BPSK	200	0	24.77	24.77	24.77	20.0	0.0	

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Site (Name)	Modulation	RF Size	RF Offset	Power (dBm) (Ch. Freq.)	Power (dBm) (Ch. Freq.)	Power (dBm) (Ch. Freq.)	Transmit Height (meters)	MFR (dB)
Channel								
100	P25 DMR	1	1	-26.30				
100	P25 DMR	1	157	24.70			26.0	0.0
100	P25 DMR	1	24	-26.30				
100	P25 DMR	156	0	24.60			26.0	0.0
100	P25 DMR	156	96	24.63			26.0	0.0
100	P25 DMR	156	156	-26.30				
100	P25 DMR	210	0	26.81			26.0	0.0
100	GPFS	1	1	24.73			26.0	0.0
100	GPFS	155	0	24.63			26.0	0.0
100	GPFS	155	156	24.44			26.0	0.0
100	GPFS	210	0	24.56			26.0	0.0
100	GPFS	210	0	24.56			26.0	0.0
100	GPFS	210	0	24.67			26.0	1.0
100	GPFS	210	0	24.67			26.0	1.0
Channel								
				64.666	64.666	64.666	25.0	0.0
	Frequency (MHz)			144.0	144.0	144.0		MFR
30	P25 DMR	1	1	24.73	24.73	24.73	26.0	0.0
Channel								
	Frequency (MHz)			64.633	64.633	64.633	25.0	0.0
	Frequency (MHz)			144.0	144.0	144.0		MFR
30	P25 DMR	1	1	24.74	24.73	24.81	26.0	0.0
Channel								
	Frequency (MHz)			64.666	64.666	64.666	25.0	0.0
	Frequency (MHz)			144.0	144.0	144.0		MFR
70	P25 DMR	1	1	24.71	24.73	24.80	26.0	0.0
Channel								
	Frequency (MHz)			64.666	64.666	64.666	25.0	0.0
	Frequency (MHz)			144.0	144.0	144.0		MFR
80	P25 DMR	1	1	24.82	24.79	24.79	26.0	0.0
Channel								
	Frequency (MHz)			64.634	64.634	64.634	25.0	0.0
	Frequency (MHz)			144.0	144.0	144.0		MFR
90	P25 DMR	1	1	24.80	24.81	24.81	26.0	0.0
Channel								
	Frequency (MHz)			64.660	64.660	64.660	25.0	0.0
	Frequency (MHz)			144.0	144.0	144.0		MFR
40	P25 DMR	1	1	24.84	24.78	24.80	26.0	0.0
Channel								
	Frequency (MHz)			64.768	64.768	64.768	25.0	0.0
	Frequency (MHz)			144.0	144.0	144.0		MFR
30	P25 DMR	1	1	24.83	24.75	24.79	26.0	0.0
Channel								
	Frequency (MHz)			64.734	64.734	64.734	25.0	0.0
	Frequency (MHz)			144.0	144.0	144.0		MFR
30	P25 DMR	1	1	24.84	24.80	24.75	26.0	0.0
Channel								
	Frequency (MHz)			64.768	64.768	64.768	25.0	0.0
	Frequency (MHz)			144.0	144.0	144.0		MFR
15	P25 DMR	1	1	24.81	24.86	24.84	26.0	0.0
Channel								
	Frequency (MHz)			64.700	64.700	64.700	25.0	0.0
	Frequency (MHz)			144.0	144.0	144.0		MFR
10	P25 DMR	1	1	24.85	24.81	24.78	26.0	0.0

[illegible]

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Ref (MHz)	Modulation	RB Size	RB Offset	Power (dBm) Ch. Freq.	Power (dBm) Ch. Freq.	Power (dBm) Ch. Freq.	Carrier Frequency (MHz)	Carrier Bandwidth (MHz)	Antenna Gain (dBi)
100	PDS-MBSC	1	0	-28.28					
100	PDS-MBSC	1	137	-24.70			26.0	0.0	
100	PDS-MBSC	1	274	-24.70			26.0	0.0	
100	PDS-MBSC	150	0	-24.69			26.0	0.0	
100	PDS-MBSC	150	89	-24.63			26.0	0.0	
100	PDS-MBSC	150	178	-24.69			26.0	0.0	
100	PDS-MBSC	270	0	-24.61			26.0	0.0	
100	CGSC	1	0	-24.81			26.0	0.0	
100	CGSC	1	137	-24.81			26.0	0.0	
100	CGSC	1	271	-24.82			26.0	0.0	
100	CGSC	150	0	-24.87			26.0	0.0	
100	CGSC	150	89	-24.81			26.0	0.0	
100	CGSC	150	178	-24.84			26.0	0.0	
100	CGSC	270	0	-24.87			26.0	0.0	
100	SHGAS	1	0	-24.87			26.0	0.0	
100	SHGAS	1	1	-24.87			26.0	1.0	
100	SHGAS	1	2	-24.88			26.0	1.0	
100	SHGAS	1	3	-24.88			26.0	1.0	
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	645656	645656	645656	645656
50	Channel	645656		645656	645656	645656	645656	645656	645656
50	Frequency (MHz)	645656		645656	645656	64			

[illegible]

Part27O_n78_Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turnup (mW)	MPE (dB)	
Channel									
Frequency (MHz)				3750000					
100	P12-BPSK	1	1	24.95					
100	P12-BPSK	1	137	24.79			20.0	0.0	
100	P12-BPSK	1	271	24.60					
100	P12-BPSK	155	0	24.69			20.0	0.0	
100	P12-BPSK	155	66	24.63			20.0	0.0	
100	P12-BPSK	155	138	24.47			20.0	0.0	
100	P12-BPSK	200	0	24.31					
100	QPSK	1	1	24.81					
100	QPSK	1	137	24.75			20.0	0.0	
100	QPSK	1	271	24.60					
100	QPSK	155	0	24.67			20.0	0.0	
100	QPSK	155	66	24.57			20.0	0.0	
100	QPSK	155	138	24.44					
100	QPSK	200	0	24.69			20.0	0.0	
100	16QAM	1	1	24.71			20.0	1.0	
100	256QAM	1	1	21.69			23.0	3.0	
Channel									
Frequency (MHz)				3745.00	3750	3754.98	1mW		1mW
50	P12-BPSK	1	1	24.77	24.76	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3745.01	3750	3754.99	1mW		1mW
80	P12-BPSK	1	1	24.84	24.73	24.81	20.0	0.0	
Channel									
Frequency (MHz)				3745	3750	3755	1mW		1mW
70	P12-BPSK	1	1	24.79	24.72	24.76	20.0	0.0	
Channel									
Frequency (MHz)				3745.00	3750	3754.98	1mW		1mW
80	P12-BPSK	1	1	24.82	24.78	24.76	20.0	0.0	
Channel									
Frequency (MHz)				3745.01	3750	3754.99	1mW		1mW
80	P12-BPSK	1	1	24.83	24.81	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3745.02	3750	3754.97	1mW		1mW
40	P12-BPSK	1	1	24.78	24.79	24.82	20.0	0.0	
Channel									
Frequency (MHz)				3745.03	3750	3754.97	1mW		1mW
30	P12-BPSK	1	1	24.83	24.75	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3745.04	3750	3754.96	1mW		1mW
20	P12-BPSK	1	1	24.84	24.69	24.72	20.0	0.0	
Channel									
Frequency (MHz)				3745.05	3750	3754.95	1mW		1mW
15	P12-BPSK	1	1	24.81	24.68	24.84	20.0	0.0	
Channel									
Frequency (MHz)				3750	3750	3750	1mW		1mW
15	P12-BPSK	1	1	24.85	24.81	24.78	20.0	0.0	

Part27O_n78(HPUe)_Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turnup (mW)	MPE (dB)	
Channel									
Frequency (MHz)				37500					
100	P12-BPSK	1	1	25.43					
100	P12-BPSK	1	137	25.36			27.5	0.0	
100	P12-BPSK	1	271	25.14					
100	P12-BPSK	155	0	25.67			27.0	0.0	
100	P12-BPSK	155	66	25.60			27.5	0.0	
100	P12-BPSK	155	138	25.58			27.0	0.0	
100	P12-BPSK	200	0	25.53					
100	QPSK	1	1	25.42					
100	QPSK	1	137	25.38			27.5	0.0	
100	QPSK	1	271	25.15					
100	QPSK	155	0	25.34					
100	QPSK	155	66	25.18			27.5	0.0	
100	QPSK	155	138	25.02					
100	QPSK	200	0	25.10			26.5	1.0	
100	16QAM	1	1	25.27			26.5	1.0	
100	80QAM	1	1	24.90			26.5	2.5	
100	256QAM	1	1	21.80			29.0	4.5	
Channel									
Frequency (MHz)				3745.02	3750	3754.98	1mW		1mW
50	P12-BPSK	1	1	25.38	25.36	25.36	27.5	0.0	
Channel									
Frequency (MHz)				3745.01 <th>3750</th> <th>3754.99</th> <th colspan="2">1mW</th> <th>1mW</th>	3750	3754.99	1mW		1mW
80	P12-BPSK	1	1	25.38	25.34	25.38	27.5	0.0	
Channel									
Frequency (MHz)				3745	3750	3755	1mW		1mW
70	P12-BPSK	1	1	25.34	25.36	25.37	27.5	0.0	
Channel									
Frequency (MHz)				3745.00	3750	3754.98	1mW		1mW
80	P12-BPSK	1	1	25.35	25.32	25.37	27.5	0.0	
Channel									
Frequency (MHz)				3745.01	3750	3754.99	1mW		1mW
80	P12-BPSK	1	1	25.37	25.34	25.37	27.5	0.0	
Channel									
Frequency (MHz)				3745.02	3750	3754.97	1mW		1mW
40	P12-BPSK	1	1	25.36	25.25	25.39	27.5	0.0	
Channel									
Frequency (MHz)				3745.03	3750	3754.97	1mW		1mW
30	P12-BPSK	1	1	25.38	25.37	25.42	27.5	0.0	
Channel									
Frequency (MHz)				3745.04	3750	3754.96	1mW		1mW
20	P12-BPSK	1	1	25.38	25.31	25.40	27.5	0.0	
Channel									
Frequency (MHz)				3745.05	3750	3754.95	1mW		1mW
15	P12-BPSK	1	1	25.33	25.37	25.42	27.5	0.0	
Channel									
Frequency (MHz)				3750	3750	3750	1mW		1mW
10	P12-BPSK	1	1	25.40	25.35	25.39	27.5	0.0	



5G NR Power for State 10

n2_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Mid Ch. F/Freq.	Power High Ch. F/Freq.	Time-up (ms)	MFR (dB)			
Channel											
Frequency (MHz)				18.50	18.50	18.50					
20	P12 BPSK	1	1	24.24	24.48	24.78	20.0	0.0			
20	P12 BPSK	1	53	24.24	24.48	24.78					
20	P12 BPSK	1	104	24.38	24.38	24.58					
20	P12 BPSK	50	0	24.16	24.44	24.20					
20	P12 BPSK	50	28	24.26	24.48	24.57					
20	P12 BPSK	50	56	24.23	24.48	24.55	25.0	0.5			
Channel											
Frequency (MHz)				24.18	24.47	24.47 <td colspan="3"></td>					
20	QPSK	1	1	24.26	24.51	24.74	20.0	0.0			
20	QPSK	1	104	24.38	24.43	24.52					
20	QPSK	50	0	24.16	24.42	24.24					
20	QPSK	50	28	24.19	24.49	24.20					
20	QPSK	50	56	24.27	24.44	24.57					
Channel											
Frequency (MHz)				24.19 <th>24.47<th>24.20<td colspan="3"></td></th></th>	24.47 <th>24.20<td colspan="3"></td></th>	24.20 <td colspan="3"></td>					
20	16QAM	1	1	24.46	24.47	24.49	25.0	1.0			
20	16QAM	1	1	22.92	22.97	22.99	23.5	2.5			
20	256QAM	1	1	20.74	20.85	20.84	21.0	4.0			
Channel											
Frequency (MHz)				18.52.5 <th>18.60<th>18.67.5<td colspan="3"></td></th></th>	18.60 <th>18.67.5<td colspan="3"></td></th>	18.67.5 <td colspan="3"></td>					
15	P12 BPSK	1	1	24.24	24.51	24.29	20.0	0.0			
Channel											
Frequency (MHz)				21.00 <th>21.00<th>21.00<td colspan="3"></td></th></th>	21.00 <th>21.00<td colspan="3"></td></th>	21.00 <td colspan="3"></td>					
10	P12 BPSK	1	1	24.26	24.48	24.19	20.0	0.0			
Channel											
Frequency (MHz)				17.9600 <th>17.9600<th>17.9600<td colspan="3"></td></th></th>	17.9600 <th>17.9600<td colspan="3"></td></th>	17.9600 <td colspan="3"></td>					
5	P12 BPSK	1	1	24.30	24.45	24.28	20.0	0.0			

n2_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Mid Ch. F/Freq.	Power High Ch. F/Freq.	Time-up (ms)	MFR (dB)	
Channel									
Frequency (MHz)				1850	1860	1860			
20	P12 BPSK	1	1	23.62	23.75	23.61	20.0	0.0	
20	P12 BPSK	1	53	23.67	23.74	23.59			
20	P12 BPSK	1	104	23.44	23.83	23.54			
20	P12 BPSK	50	0	23.52	23.85	23.47			
20	P12 BPSK	50	28	23.65	23.75	23.57			
20	P12 BPSK	50	56	23.47	23.84	23.46	20.0	0.0	
Channel									
Frequency (MHz)				23.52	23.87	23.46			
20	QPSK	1	1	23.52	23.87	23.52	20.0	0.0	
20	QPSK	1	53	23.61	23.79	23.54			
20	QPSK	1	104	23.52	23.77	23.53			
20	QPSK	50	0	23.49	23.83	23.57			
20	QPSK	50	28	23.47	23.80	23.43			
20	QPSK	50	56	23.41	23.83	23.55	20.0	0.0	
Channel									
Frequency (MHz)				23.49	23.87	23.52			
20	16QAM	1	1	23.54	23.51	23.44	20.0	0.0	
20	16QAM	1	1	22.89	22.78	22.73	23.5	1.5	
20	256QAM	1	1	20.50	20.65	20.56	21.5	3.5	
Channel									
Frequency (MHz)				1857.5	1860	1862.5			
15	P12 BPSK	1	1	23.50	23.85	23.47	20.0	0.0	
Channel									
Frequency (MHz)				1850	1860	1860			
10	P12 BPSK	1	1	23.48	23.88	23.55	20.0	0.0	
Channel									
Frequency (MHz)				1852.5	1860	1867.5			
5	P12 BPSK	1	1	23.65	23.59	23.56	20.0	0.0	

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Mid Ch. F/Freq.	Power High Ch. F/Freq.	Time-up (ms)	MFR (dB)	
Channel									
Frequency (MHz)				834	838.5	839			
20	P12 BPSK	1	1	24.32	24.43	24.25	20.0		0.0
20	P12 BPSK	1	53	24.15	24.12	24.09			
20	P12 BPSK	1	104	24.03	24.10	24.03			
20	P12 BPSK	50	0	24.23	24.16	24.16			
20	P12 BPSK	50	28	24.30	24.32	24.21			
20	P12 BPSK	50	56	24.16	24.09	24.09	20.5		0.5
Channel									
Frequency (MHz)				24.24	24.29	24.18			
20	QPSK	1	1	24.26	24.26	24.20	20.0		0.0
20	QPSK	1	53	24.24	24.17	24.17			
20	QPSK	1	104	24.11	24.13	24.10			
20	QPSK	50	0	24.37	24.29	24.24			
20	QPSK	50	28	24.22	24.16	24.16			
20	QPSK	50	56	24.18	24.11	24.08	20.0		1.0
Channel									
Frequency (MHz)				24.28	24.19	24.18			
20	16QAM	1	1	24.40	24.37	24.35	20.0		1.0
20	16QAM	1	1	22.85	22.89	22.82	23.5		2.5
20	256QAM	1	1	20.50	20.64	20.79	21.5		4.5
Channel									
Frequency (MHz)				831.5	838.5	841.5			
15	P12 BPSK	1	1	24.39	24.28	24.27	20.0		0.0
Channel									
Frequency (MHz)				839	838.5	844			
10	P12 BPSK	1	1	24.33	24.19	24.24	20.0		0.0
Channel									
Frequency (MHz)				838.5	838.5	848.5			
5	P12 BPSK	1	1	24.34	24.25	24.19	20.0		0.0

n5_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Mid Ch. F/Freq.	Power High Ch. F/Freq.	Time-up (ms)	MFR (dB)	
Channel									
Frequency (MHz)				1850	1859.5	1859.5			
20	P12 BPSK	1	1	24.12	24.41	24.25	20.0	0.0	
20	P12 BPSK	1	53	24.15	24.12	24.09			
20	P12 BPSK	1	104	24.03	24.10	24.03			
20	P12 BPSK	50	0	24.23	24.16	24.16			
20	P12 BPSK	50	28	24.30	24.32	24.21			
20	P12 BPSK	50	56	24.16	24.09	24.09	20.5	0.5	
Channel									
Frequency (MHz)				24.26	24.29	24.18			
20	QPSK	1	1	24.26	24.26	24.20	20.0	0.0	
20	QPSK	1	53	24.24	24.17	24.17			
20	QPSK	1	104	24.13	24.13	24.10			
20	QPSK	50	0	24.37	24.29	24.24			
20	QPSK	50	28	24.22	24.16	24.16			
20	QPSK	50	56	24.18	24.10	24.08	20.0	1.0	
Channel									
Frequency (MHz)				24.28	24.19	24.18			
20	16QAM	1	1	24.40	24.37	24.35	20.0	1.0	
20	16QAM	1	1	22.85	22.89	22.82	23.5	2.5	
20	256QAM	1	1	20.50	20.64	20.79	21.5	4.5	
Channel									
Frequency (MHz)				1855.0	1859.5	1859.5			
15	P12 BPSK	1	1	24.30	24.26	24.27	20.0	0.0	
Channel									
Frequency (MHz)				839	838.5	844			
10	P12 BPSK	1	1	24.33	24.19	24.24	20.0	0.0	
Channel									
Frequency (MHz)				838.5	838.5	848.5			
5	P12 BPSK	1	1	24.34	24.25	24.19	20.0	0.0	



n7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Mid Ch. F.Freq.	Power High Ch. F.Freq.	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)				24.60	24.65	24.69			
40	P12 BPSK	1	1	24.60	24.64	24.62			
40	P12 BPSK	1	108	24.60	24.61	24.59	20.0	0.0	
40	P12 BPSK	1	214	24.59	24.60	24.59			
40	P12 BPSK	108	0	24.55	24.51	24.58	20.0	0.0	
40	P12 BPSK	108	54	24.55	24.52	24.56	20.0	0.0	
40	P12 BPSK	108	108	24.59	24.55	24.52	20.0	0.0	
40	P12 BPSK	216	0	24.46	24.54	24.58			
40	QPSK	1	1	24.55	24.51	24.51			
40	QPSK	1	108	24.49	24.61	24.58	20.0	0.0	
40	QPSK	1	214	24.49	24.61	24.53			
40	QPSK	108	0	24.47	24.48	24.48	20.0	1.0	
40	QPSK	108	54	24.47	24.59	24.52	20.0	0.0	
40	QPSK	108	108	24.45	24.47	24.48	20.0	1.0	
40	QPSK	216	0	24.17	24.11	24.28			
40	16QAM	1	1	24.46	24.36	24.27	20.0	1.0	
40	16QAM	1	1	22.97	22.88	22.93	20.0	2.0	
40	256QAM	1	1	20.99	20.97	20.79	21.0	4.0	
Channel									
Frequency (MHz)				25.05 <th>25.00<th>25.00<th></th><th></th><th></th></th></th>	25.00 <th>25.00<th></th><th></th><th></th></th>	25.00 <th></th> <th></th> <th></th>			
30	P12 BPSK	1	1	24.93	24.96	24.98	20.0	0.0	
Channel									
Frequency (MHz)				25.12 <th>25.05<th>25.07.5<th></th><th></th><th></th></th></th>	25.05 <th>25.07.5<th></th><th></th><th></th></th>	25.07.5 <th></th> <th></th> <th></th>			
20	P12 BPSK	1	1	24.47	24.59	24.50	20.0	0.0	
Channel									
Frequency (MHz)				25.10 <th>25.04<th>25.04<th></th><th></th><th></th></th></th>	25.04 <th>25.04<th></th><th></th><th></th></th>	25.04 <th></th> <th></th> <th></th>			
20	P12 BPSK	1	1	24.40	24.56	24.53	20.0	0.0	
Channel									
Frequency (MHz)				25.07.5 <th>25.05<th>25.07.5<th></th><th></th><th></th></th></th>	25.05 <th>25.07.5<th></th><th></th><th></th></th>	25.07.5 <th></th> <th></th> <th></th>			
10	P12 BPSK	1	1	24.40	24.40	24.40	20.0	0.0	
Channel									
Frequency (MHz)				50.000 <th>50.000<th>51.000<th></th><th></th><th></th></th></th>	50.000 <th>51.000<th></th><th></th><th></th></th>	51.000 <th></th> <th></th> <th></th>			
10	P12 BPSK	1	1	24.40	24.40	24.40	20.0	0.0	
Channel									
Frequency (MHz)				25.02.5 <th>25.05<th>25.07.5<th></th><th></th><th></th></th></th>	25.05 <th>25.07.5<th></th><th></th><th></th></th>	25.07.5 <th></th> <th></th> <th></th>			
5	P12 BPSK	1	1	24.40	24.40	24.40	20.0	0.0	

n7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Mid Ch. F.Freq.	Power High Ch. F.Freq.	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)				25.05	25.00	25.00			
40	P12 BPSK	1	1	25.02	25.04	25.04			
40	P12 BPSK	1	108	25.01	25.07	25.07	21.0	0.0	
40	P12 BPSK	1	214	25.07	25.02	25.07			
40	P12 BPSK	108	0	25.05	25.00	25.00	21.0	0.0	
40	P12 BPSK	108	54	25.05	25.01	25.01	21.0	0.0	
40	P12 BPSK	108	108	25.07	25.04	25.04	21.0	0.0	
40	P12 BPSK	216	0	25.02	25.00	25.02			
40	QPSK	1	1	25.05	25.05	25.05			
40	QPSK	1	108	25.11	25.01	25.07	21.0	0.0	
40	QPSK	1	214	25.11	25.02	25.02			
40	QPSK	108	0	25.06	25.01	25.01	21.0	0.0	
40	QPSK	108	54	25.05	25.06	25.06	21.0	0.0	
40	QPSK	108	108	25.09	25.06	25.06	21.0	0.0	
40	QPSK	216	0	25.02	25.04	25.02	21.0	0.0	
40	16QAM	1	1	20.66	20.66	20.62	21.0	0.0	
40	16QAM	1	1	19.90	20.01	19.90	21.0	0.0	
40	256QAM	1	1	19.60	20.03	19.95	21.0	0.0	
Channel									
Frequency (MHz)				50.000	50.000	51.000			
30	P12 BPSK	1	1	19.99	19.99	20.04	21.0	0.0	
Channel									
Frequency (MHz)				25.12	25.06	25.05			
20	P12 BPSK	1	1	25.02	25.09	25.07	21.0	0.0	
Channel									
Frequency (MHz)				25.10	25.05	25.05			
20	P12 BPSK	1	1	25.02	25.06	25.06	21.0	0.0	
Channel									
Frequency (MHz)				25.07.5	25.05	25.07.5			
10	P12 BPSK	1	1	24.90	25.02	25.00	21.0	0.0	
Channel									
Frequency (MHz)				50.000	50.000	51.000			
10	P12 BPSK	1	1	24.90	25.00	25.00	21.0	0.0	
Channel									
Frequency (MHz)				25.02.5	25.05	25.07.5			
5	P12 BPSK	1	1	19.90	20.00	20.00	21.0	0.0	

n12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Mid Ch. F.Freq.	Power High Ch. F.Freq.	Turnup time (min)	MPE	
Channel									
Frequency (MHz)				704.5	707.5	704.5			
15	P12 BPSK	1	1	24.65	24.67	24.72			
15	P12 BPSK	1	40	23.71	23.71	23.71	20.0	0.0	
15	P12 BPSK	1	77	24.97	24.93	24.95			
15	P12 BPSK	36	0	23.77	23.67	24.07	20.0	0.0	
15	P12 BPSK	36	20	24.94	25.14	25.01	20.0	0.0	
15	P12 BPSK	36	40	24.52	24.97	24.99	20.0	0.0	
15	P12 BPSK	72	0	24.17	24.07	24.38			
15	QPSK	1	1	24.65	24.65	24.70			
15	QPSK	1	40	25.02	25.18	25.16	20.0	0.0	
15	QPSK	1	77	24.98	25.03	24.94			
15	QPSK	36	0	23.20	23.50	23.80	20.0	1.0	
15	QPSK	36	20	24.87	24.67	25.06	20.0	0.0	
15	QPSK	36	40	24.08	24.11	24.16	20.0	1.0	
15	QPSK	72	0	23.72	23.81	23.89	20.0	1.0	
15	16QAM	1	1	23.84	23.69	23.92	20.0	1.0	
15	16QAM	1	1	22.29	22.30	22.33	20.0	2.0	
15	256QAM	1	1	20.20	20.34	20.24	21.0	4.0	
Channel									
Frequency (MHz)				704.0	707.5	712.0			
10	P12 BPSK	1	1	24.46	24.35	24.51	20.0	0.0	
Channel									
Frequency (MHz)				703.5	707.5	711.5			
5	P12 BPSK	1	1	24.61	24.76	24.93	20.0	0.0	

n12_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Mid Ch. F.Freq.	Power High Ch. F.Freq.	Turnup time (min)	MPE	
Channel <td>704.5</td> <td>707.5</td> <td>704.5</td> <td></td> <td></td> <td></td>				704.5	707.5	704.5			
Frequency (MHz)				141000	141500	141000			
15	P12 BPSK	1	1	24.65	24.67	24.72			
15	P12 BPSK	1	40	23.71	23.70	23.71	20.0	0.0	
15	P12 BPSK	1	77	24.97	24.93	24.95			
15	P12 BPSK	36	0	23.77	23.67	24.07	20.0	0.0	
15	P12 BPSK	36	20	24.94	25.14	25.01	20.0	0.0	
15	P12 BPSK	36	40	24.52	24.97	24.99	20.0	0.0	
15	P12 BPSK	72	0	24.17	24.02	24.38			
15	QPSK	1	1	24.66	24.66	24.70			
15	QPSK	1	40	25.02	25.18	25.16	20.0	0.0	
15	QPSK	1	77	24.98	25.03	24.94			
15	QPSK	36	0	23.20	23.50	23.80	20.0	1.0	
15	QPSK	36	20	24.87	24.67	25.06	20.0	0.0	
15	QPSK	36	40	24.08	24.11	24.16	20.0	1.0	
15	QPSK	72	0	23.72	23.81	23.89	20.0	1.0	
15	16QAM	1	1	23.84	23.69	23.92	20.0	1.0	
15	16QAM	1	1	22.29	22.30	22.33	20.0	2.0	
15	256QAM	1	1	20.20	20.34	20.24	21.0	4.0	
Channel				141000	141500	142000			
Frequency (MHz)				704	707.5	713.5			
10	P12 BPSK	1	1	24.46	24.35	24.51	20.0	0.0	
Channel				140000	141500	142000			
Frequency (MHz)				701.5	707.5	713.5			
5	P12 BPSK	1	1	24.61	24.76	24.93	20.0	0.0	



n13_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Max Ch. [Freq.]	Power High Ch. [Freq.]	Turn-on time (dB)	MFR (dB)	
Channel				1559.5			1559.5	1559.5	
Frequency [MHz]				780					
18	PI2 BPSK	1	1	24.40			20.0	0.0	
19	PI2 BPSK	1	26	24.48					
19	PI2 BPSK	1	50	24.53					
19	PI2 BPSK	25	9	24.42					
19	PI2 BPSK	25	14	24.45			20.0	0.0	
19	PI2 BPSK	25	27	24.43					
19	PI2 BPSK	50	9	24.42					
19	QPSK	1	1	24.28					
19	QPSK	1	26	24.50			20.0	0.0	
19	QPSK	1	50	24.47					
19	QPSK	25	9	24.41					
19	QPSK	25	14	24.41					
19	QPSK	25	27	24.38			20.0	1.0	
19	QPSK	50	9	24.39					
19	16QAM	1	1	23.98					
19	16QAM	1	1	21.78					
19	256QAM	1	1	19.95			21.0	4.5	
Channel				1559.5	1559.5	1559.5			
Frequency [MHz]				779.5	780	784.5			
5	PI2 BPSK	1	1	24.52	24.48	24.55	20.0	0.0	

n13_Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Max Ch. [Freq.]	Power High Ch. [Freq.]	Turnup time (dB)	MFR (dB)				
Channel				782			20.0	0.0				
Frequency [MHz]				782								
19	PI2 BPSK	1	1	24.40						20.0	0.0	
19	PI2 BPSK	1	26	24.48								
19	PI2 BPSK	1	50	24.53								
19	PI2 BPSK	25	9	24.42			20.0	0.0				
19	PI2 BPSK	25	14	24.45								
19	PI2 BPSK	25	27	24.43								
19	PI2 BPSK	50	9	24.42								
19	QPSK	1	1	24.28			20.0	0.0				
19	QPSK	1	26	24.50								
19	QPSK	1	50	24.47								
19	QPSK	25	9	24.41								
19	QPSK	25	14	24.41			20.0	1.0				
19	QPSK	25	27	24.38								
19	QPSK	50	9	24.39								
19	16QAM	1	1	23.98								
19	16QAM	1	1	21.78			21.0	4.5				
19	256QAM	1	1	19.95								
Channel				1559.5	1559.5	1559.5						
Frequency [MHz]				779.5	780	784.5						
5	PI2 BPSK	1	1	24.52	24.48	24.55	20.0	0.0				

n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Max Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up time (dB)	MFR (dB)	
Channel									
Frequency [MHz]									
20	PI2 BPSK	1	1	25.10	24.92	24.99	20.0	0.0	
20	PI2 BPSK	1	83	24.83	24.92	24.19			
20	PI2 BPSK	1	104	24.80	24.90	24.99			
20	PI2 BPSK	50	9	24.78	24.90	24.97			
20	PI2 BPSK	50	26	24.96	24.70	24.97	20.0	0.0	
20	PI2 BPSK	50	50	24.87	24.97	24.11			
20	PI2 BPSK	100	9	24.80	24.97	24.13			
20	QPSK	1	1	24.47	24.50	24.50			
20	QPSK	1	83	24.48	24.50	24.98	20.0	0.0	
20	QPSK	1	104	24.48	24.40	24.92			
20	QPSK	50	9	24.94	24.40	24.92			
20	QPSK	50	26	24.85	24.50	24.13			
20	QPSK	50	50	24.70	24.20	24.14	20.0	1.0	
20	QPSK	100	9	24.82	24.50	24.14			
20	16QAM	1	1	25.00	24.95	24.91			
20	16QAM	1	1	23.47	23.25	23.95			
20	256QAM	1	1	21.48	21.00	20.73	21.0	4.5	
Channel				2170.0	2170.0	2170.0			
Frequency [MHz]				1085.0	1082.5	1087.5			
15	PI2 BPSK	1	1	25.05	24.90	24.26	20.0	0.0	
Channel									
Frequency [MHz]									
15	PI2 BPSK	1	1	25.00	24.40	24.19	20.0	0.0	
Channel									
Frequency [MHz]									
5	PI2 BPSK	1	1	24.98	24.41	24.21	20.0	0.0	

n25_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Max Ch. [Freq.]	Power High Ch. [Freq.]	Turn-on time (dB)	MFR (dB)	
Channel									
Frequency [MHz]									
20	PI2 BPSK	1	1	24.10	24.10	23.92	20.0	0.0	
20	PI2 BPSK	1	83	24.81	23.48	23.23			
20	PI2 BPSK	1	104	24.82	23.45	23.17			
20	PI2 BPSK	50	9	24.81	23.90	23.15			
20	PI2 BPSK	50	26	24.99	23.92	23.15	20.0	0.0	
20	PI2 BPSK	50	50	24.91	23.47	23.20			
20	PI2 BPSK	100	9	24.80	23.90	23.22			
20	QPSK	1	1	24.01	23.47	23.15			
20	QPSK	1	83	24.04	23.81	23.20	20.0	0.0	
20	QPSK	1	104	24.05	23.48	23.23			
20	QPSK	50	9	24.08	23.41	23.17			
20	QPSK	50	26	24.92	23.24	23.10			
20	QPSK	50	50	23.90	23.37	23.05	20.0	0.0	
20	QPSK	100	9	24.08	23.48	23.23			
20	16QAM	1	1	24.09	23.38	23.15			
20	16QAM	1	1	23.38	23.22	22.87			
20	256QAM	1	1	21.45	20.97	20.74	21.0	4.5	
Channel				2170.0	2170.0	2170.0			
Frequency [MHz]				1085.0	1082.5	1087.5			
15	PI2 BPSK	1	1	23.88	23.39	23.34	20.0	0.0	
Channel									
Frequency [MHz]									
10	PI2 BPSK	1	1	24.05	23.33	23.40	20.0	0.0	
Channel									
Frequency [MHz]									
5	PI2 BPSK	1	1	24.03	23.40	23.20	20.0	0.0	



n26_Ant 0									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-on [mW]	MFR [dB]	
Channel									
Frequency [MHz]				824	831.5	838			
20	P1/2 BPSK	1	1	24.00	24.01	24.02			
20	P1/2 BPSK	1	53	24.52	24.53	24.54	20.0	0.0	
20	P1/2 BPSK	1	104	24.57	24.58	24.59			
20	P1/2 BPSK	50	5	24.53	24.51	24.46	20.0	0.0	
20	P1/2 BPSK	50	56	24.54	24.56	24.57	20.0	0.0	
20	P1/2 BPSK	50	56	24.52	24.55	24.50	20.0	0.0	
20	P1/2 BPSK	100	0	24.50	24.50	24.50			
20	QPSK	1	53	24.53	24.52	24.54	20.0	0.0	
20	QPSK	1	104	24.56	24.53	24.50			
20	QPSK	50	5	24.50	24.52	24.50	20.0	1.0	
20	QPSK	50	56	24.53	24.54	24.51	20.0	0.0	
20	QPSK	50	56	23.98	24.04	23.90	20.0	1.0	
20	QPSK	100	0	24.07	24.02	24.01	20.0	1.0	
20	16QAM	1	1	24.25	24.33	24.01	20.0	1.0	
20	16QAM	1	1	23.91	23.79	23.70	20.0	2.5	
20	256QAM	1	1	20.52	20.62	20.50	20.0	4.5	
Channel									
Frequency [MHz]				824.5	831.5	841.5			
10	P1/2 BPSK	1	1	24.33	24.34	24.37	20.0	0.0	
Channel									
Frequency [MHz]				819	831.5	844			
10	P1/2 BPSK	1	1	24.51	24.51	24.56	20.0	0.0	
Channel									
Frequency [MHz]				816.5	831.5	844.5			
5	P1/2 BPSK	1	1	24.46	24.51	24.55	20.0	0.0	

n26_Ant 2									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-on [mW]	MFR [dB]	
Channel									
Frequency [MHz]				824	831.5	838			
20	P1/2 BPSK	1	1	24.02	24.01	24.03			
20	P1/2 BPSK	1	53	24.52	24.53	24.51	20.0	0.0	
20	P1/2 BPSK	1	104	24.57	24.56	24.54			
20	P1/2 BPSK	50	5	24.53	24.51	24.46	20.0	0.0	
20	P1/2 BPSK	50	56	24.54	24.56	24.57	20.0	0.0	
20	P1/2 BPSK	50	56	24.52	24.55	24.50	20.0	0.0	
20	P1/2 BPSK	100	0	24.52	24.52	24.53			
20	QPSK	1	1	24.53	24.52	24.54			
20	QPSK	1	53	24.57	24.55	24.53	20.0	0.0	
20	QPSK	1	104	24.56	24.56	24.50			
20	QPSK	50	5	24.50	24.52	24.50	20.0	1.0	
20	QPSK	50	56	24.53	24.54	24.51	20.0	0.0	
20	QPSK	50	56	23.98	24.04	23.90	20.0	1.0	
20	QPSK	100	0	24.07	24.03	24.01	20.0	1.0	
20	16QAM	1	1	24.25	24.33	24.01	20.0	1.0	
20	16QAM	1	1	23.91	23.79	23.70	20.0	2.5	
20	256QAM	1	1	20.52	20.62	20.50	20.0	4.5	
Channel									
Frequency [MHz]				824.5	831.5	841.5			
15	P1/2 BPSK	1	1	24.53	24.54	24.57	20.0	0.0	
Channel									
Frequency [MHz]				819	831.5	844			
10	P1/2 BPSK	1	1	24.51	24.51	24.56	20.0	0.0	
Channel									
Frequency [MHz]				816.5	831.5	844.5			
5	P1/2 BPSK	1	1	24.46	24.51	24.55	20.0	0.0	

n66_Ant 1									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up [mW]	MFR [dB]	
Channel									
Frequency [MHz]				1730	1745	1760			
40	P1/2 BPSK	1	1	24.51	24.51	24.51			
40	P1/2 BPSK	1	108	24.51	24.54	24.56	20.0	0.0	
40	P1/2 BPSK	1	214	24.51	24.52	24.54			
40	P1/2 BPSK	100	0	24.51	24.51	24.53	20.0	0.0	
40	P1/2 BPSK	100	56	24.57	24.55	24.54	20.0	0.0	
40	P1/2 BPSK	100	108	24.56	24.57	24.59	20.0	0.0	
40	P1/2 BPSK	210	0	24.53	24.50	24.57			
40	QPSK	1	1	24.55	24.55	24.55			
40	QPSK	1	108	24.53	24.57	24.55	20.0	0.0	
40	QPSK	1	214	24.56	24.52	24.54			
40	QPSK	100	0	24.51	24.57	24.59	20.0	1.0	
40	QPSK	100	56	24.53	24.44	24.45	20.0	1.0	
40	QPSK	100	108	24.57	24.46	24.35	20.0	1.0	
40	16QAM	1	1	24.74	24.64	24.65	20.0	1.0	
40	16QAM	1	1	23.13	23.07	23.06	20.0	2.5	
40	256QAM	1	1	20.95	20.89	20.91	20.0	4.5	
Channel									
Frequency [MHz]				1730	1745	1760			
20	P1/2 BPSK	1	1	24.50	24.55	24.59	20.0	0.0	
Channel									
Frequency [MHz]				1717.5	1745	1772.5			
15	P1/2 BPSK	1	1	24.50	24.55	24.54	20.0	0.0	
Channel									
Frequency [MHz]				1715	1745	1775			
10	P1/2 BPSK	1	1	24.50	24.77	24.50	20.0	0.0	
Channel									
Frequency [MHz]				1712.5	1745	1777.5			
5	P1/2 BPSK	1	1	24.50	24.53	24.57	20.0	0.0	

n66_Ant 2									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up [mW]	MFR	
Channel									
Frequency [MHz]				1730	1745	1760			
40	P1/2 BPSK	1	1	20.51	20.51	20.49			
40	P1/2 BPSK	1	108	24.51	24.48	24.56	20.0	0.0	
40	P1/2 BPSK	1	214	24.56	24.52	24.56			
40	P1/2 BPSK	100	0	24.51	24.51	24.53	20.0	0.0	
40	P1/2 BPSK	100	56	24.57	24.55	24.54	20.0	0.0	
40	P1/2 BPSK	100	108	24.56	24.57	24.59	20.0	0.0	
40	P1/2 BPSK	210	0	24.50	24.50	24.57	20.0	0.5	
40	QPSK	1	1	24.55	24.55	24.55			
40	QPSK	1	108	24.53	24.57	24.55	20.0	0.0	
40	QPSK	1	214	24.56	24.52	24.54			
40	QPSK	100	0	24.41	24.37	24.39	20.0	1.0	
40	QPSK	100	56	24.53	24.55	24.55	20.0	0.0	
40	QPSK	100	108	24.47	24.44	24.45	20.0	1.0	
40	QPSK	210	0	24.41	24.46	24.35	20.0	1.0	
40	16QAM	1	1	24.74	24.64	24.65	20.0	1.0	
40	16QAM	1	1	23.13	23.07	23.06	20.0	2.5	
40	256QAM	1	1	20.95	20.89	20.91	20.0	4.5	
Channel									
Frequency [MHz]				1730	1745	1760			
20	P1/2 BPSK	1	1	24.50	24.50	24.50	20.0	0.0	
Channel									
Frequency [MHz]				1717.5	1745	1772.5			
15	P1/2 BPSK	1	1	24.50	24.50	24.54	20.0	0.0	
Channel									
Frequency [MHz]				1715	1745	1775			
10	P1/2 BPSK	1	1	24.50	24.77	24.42	20.0	0.0	
Channel									
Frequency [MHz]				1712.5	1745	1777.5			
5	P1/2 BPSK	1	1	24.50	24.53	24.57	20.0	0.0	

n71_Ant 0												
RF B/W	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-on (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
20	PI2 BPSK	1	1	24.55	24.57	24.53	20.0	0.0				
20	PI2 BPSK	1	53	24.55	24.58	24.52						
20	PI2 BPSK	1	104	24.54	24.55	24.55	20.0	0.0				
20	PI2 BPSK	50	0	24.52	24.54	24.51						
20	PI2 BPSK	50	28	24.52	24.55	24.51	20.0	0.0				
20	PI2 BPSK	50	56	24.52	24.54	24.56						
20	PI2 BPSK	100	0	24.51	24.56	24.56	20.0	0.0				
20	QPSK	1	1	24.55	24.53	24.55						
20	QPSK	1	53	24.52	24.55	24.52	20.0	0.0				
20	QPSK	1	104	24.55	24.53	24.52						
20	QPSK	50	0	24.53	24.55	24.58	20.0	1.0				
20	QPSK	50	28	24.55	24.54	24.58						
20	QPSK	50	56	24.53	24.58	24.57	20.0	1.0				
20	QPSK	100	0	24.53	24.57	24.58						
20	16QAM	1	1	24.55	24.58	24.44	20.0	1.0				
20	16QAM	1	1	22.71	22.85	22.85						
20	256QAM	1	1	20.49	20.59	20.65	21.5	4.5				
Channel												
Frequency (MHz)												
15	PI2 BPSK	1	1	24.52	24.56	24.47	20.0	0.0				
Channel												
Frequency (MHz)												
10	PI2 BPSK	1	1	24.47	24.59	24.44	20.0	0.0				
Channel												
Frequency (MHz)												
5	PI2 BPSK	1	1	24.49	24.57	24.42	20.0	0.0				

n71_Ant 2												
RF B/W	Modulation	RB Size	RB Offset	Power Channel Ch1/Freq	Power Channel Ch2/Freq	Power Channel Ch3/Freq	Turn-on Time (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
20	PI2 BPSK	1	1	24.55	24.57	24.53	20.0	0.0				
20	PI2 BPSK	1	53	24.55	24.58	24.52						
20	PI2 BPSK	1	104	24.54	24.55	24.55	20.0	0.0				
20	PI2 BPSK	50	0	24.52	24.54	24.51						
20	PI2 BPSK	50	28	24.52	24.55	24.51	20.0	0.0				
20	PI2 BPSK	50	56	24.52	24.54	24.56						
20	PI2 BPSK	100	0	24.51	24.56	24.56	20.0	0.0				
20	QPSK	1	1	24.55	24.53	24.55						
20	QPSK	1	53	24.52	24.55	24.52	20.0	0.0				
20	QPSK	1	104	24.55	24.53	24.52						
20	QPSK	50	0	24.53	24.55	24.58	20.0	1.0				
20	QPSK	50	28	24.55	24.54	24.58						
20	QPSK	50	56	24.53	24.58	24.57	20.0	1.0				
20	QPSK	100	0	24.53	24.57	24.58						
20	16QAM	1	1	24.55	24.58	24.44	20.0	1.0				
20	16QAM	1	1	22.71	22.85	22.85						
20	256QAM	1	1	20.49	20.59	20.65	21.5	4.5				
Channel												
Frequency (MHz)												
15	PI2 BPSK	1	1	24.52	24.56	24.47	20.0	0.0				
Channel												
Frequency (MHz)												
10	PI2 BPSK	1	1	24.47	24.59	24.44	20.0	0.0				
Channel												
Frequency (MHz)												
5	PI2 BPSK	1	1	24.49	24.57	24.42	20.0	0.0				



n38_Ant 1									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch. (F/MHz)	Power Mid Ch. (F/MHz)	Power High Ch. (F/MHz)	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)				2590.02	2590	2590.98			
40	PI2 BPSK	1	1	24.00	24.03	24.06			
40	PI2 BPSK	1	33	24.09	24.05	24.48	20.0	0.0	
40	PI2 BPSK	1	104	24.34	24.32	24.48			
40	PI2 BPSK	50	3	24.46	24.47	24.48	25.0	0.0	
40	PI2 BPSK	50	28	24.51	24.54	24.52	26.0	0.0	
40	PI2 BPSK	50	58	24.47	24.48	24.49	25.0	0.8	
40	PI2 BPSK	100	0	24.49	24.50	24.51			
40	QPSK	1	1	24.51	24.50	24.50			
40	QPSK	1	33	24.62	24.61	24.52	20.0	0.0	
40	QPSK	1	104	24.26	24.54	24.52			
40	QPSK	50	0	24.04	24.51	24.57			
40	QPSK	50	28	24.51	24.50	24.53	20.0	0.0	
40	QPSK	50	58	24.52	24.52	24.50			
40	QPSK	100	0	24.04	24.42	24.40	25.0	1.0	
40	SSB-GM	1	1	24.42	24.41	24.43	25.0	1.0	
40	SSB-GM	1	1	25.01	25.00	25.03	25.0	2.5	
40	SSB-GM	1	1	25.01	25.02	25.04	21.0	4.0	
Channel									
30	PI2 BPSK	1	1	24.58	24.60	24.61	20.0	0.0	
Channel									
Frequency (MHz)				2590	2590	2590.98			
20	PI2 BPSK	1	1	24.02	24.58	24.61	20.0	0.0	
Channel									
Frequency (MHz)				2577.51	2595	2612.48			
15	PI2 BPSK	1	1	24.48	24.58	24.55	20.0	0.0	
Channel									
Frequency (MHz)				2573.02	2595	2614.98			
10	PI2 BPSK	1	1	24.48	24.60	24.51	20.0	0.0	

n38_Ant 2									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch. (F/MHz)	Power Mid Ch. (F/MHz)	Power High Ch. (F/MHz)	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)				2590.02	2590	2590.98			
40	PI2 BPSK	1	1	18.02	18.22	18.12			
40	PI2 BPSK	1	53	18.04	18.21	18.12	19.5	0.0	
40	PI2 BPSK	1	104	18.00	18.07	18.11			
40	PI2 BPSK	50	1	18.00	18.16	18.11	19.5	0.0	
40	PI2 BPSK	50	26	18.11	18.20	18.15	19.5	0.0	
40	PI2 BPSK	50	56	18.10	18.07	18.07	19.5	0.0	
40	PI2 BPSK	100	0	18.10	18.20	18.13			
40	QPSK	1	1	17.90	18.20	18.06			
40	QPSK	1	53	18.08	18.21	18.19	19.5	0.0	
40	QPSK	1	104	17.80	18.11	17.80			
40	QPSK	50	0	18.10	18.21	17.84			
40	QPSK	50	26	18.03	18.16	18.07	19.5	0.0	
40	QPSK	50	56	18.00	18.15	18.11			
40	QPSK	100	0	17.81	18.12	18.10	19.5	0.0	
40	SSB-GM	1	1	17.98	18.04	17.78	19.5	0.0	
40	SSB-GM	1	1	17.95	18.00	17.86	19.5	0.0	
40	SSB-GM	1	1	17.94	18.00	18.13	19.5	0.0	
Channel									
Frequency (MHz)				2573.02	2595	2612.48			
30	PI2 BPSK	1	1	17.80	18.20	18.21	19.5	0.0	
Channel									
Frequency (MHz)				2590	2590	2610			
20	PI2 BPSK	1	1	18.00	18.16	18.00	19.5	0.0	
Channel									
Frequency (MHz)				2577.51	2595	2612.48			
15	PI2 BPSK	1	1	18.02	18.16	18.21	19.5	0.0	
Channel									
Frequency (MHz)				2573.02	2595	2614.98			
10	PI2 BPSK	1	1	18.10	18.18	17.84	19.5	0.0	

n41_Ant 7									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch. (F/MHz)	Power Mid Ch. (F/MHz)	Power High Ch. (F/MHz)	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)				505002	518000	524000			
100	PI2 BPSK	1	1	19.24	19.21	19.18			
100	PI2 BPSK	1	137	19.14	19.18	19.17	21.0	0.0	
100	PI2 BPSK	1	271	19.30	19.14	19.15			
100	PI2 BPSK	150	0	19.19	19.16	19.11	21.0	0.0	
100	PI2 BPSK	150	80	19.32	19.15	19.15	21.0	0.0	
100	PI2 BPSK	150	138	19.10	19.13	19.08	21.0	0.0	
100	QPSK	1	1	19.22	19.17	19.20			
100	QPSK	1	137	19.32	19.28	19.28	21.0	0.0	
100	QPSK	1	271	19.23	19.20	19.21			
100	QPSK	150	0	19.23	19.17	19.17			
100	QPSK	150	80	19.13	19.11	19.19	21.0	0.0	
100	QPSK	150	138	19.32	19.22	19.28	21.0	0.0	
100	QPSK	270	0	19.14	19.19	19.17	21.0	0.0	
100	SSB-GM	1	1	19.32	19.25	19.01	21.0	0.0	
100	SSB-GM	1	1	19.25	19.20	19.00	27.0	0.0	
Channel									
Frequency (MHz)				505000	518000	524000			
50	PI2 BPSK	1	1	19.24	19.20	19.24	19.0	0.0	
Channel									
Frequency (MHz)				505000	518000	524000			
80	PI2 BPSK	1	1	19.24	19.10	19.22	21.0	0.0	
Channel									
Frequency (MHz)				505100	518000	524000			
70	PI2 BPSK	1	1	19.30	19.27	19.08	21.0	0.0	
Channel									
Frequency (MHz)				505200	518000	524000			
60	PI2 BPSK	1	1	19.28	19.12	19.21	21.0	0.0	
Channel									
Frequency (MHz)				505300	518000	524000			
50	PI2 BPSK	1	1	19.33	19.19	19.11	21.0	0.0	
Channel									
Frequency (MHz)				505200	518000	524000			
40	PI2 BPSK	1	1	19.30	19.19	19.12	21.0	0.0	
Channel									
Frequency (MHz)				505200	518000	524000			
30	PI2 BPSK	1	1	19.22	19.11	19.21	21.0	0.0	
Channel									
Frequency (MHz)				501200	518000	530000			
20	PI2 BPSK	1	1	19.24	19.23	19.16	21.0	0.0	

n41(HPUe)_Ant 7									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch. (F/MHz)	Power Mid Ch. (F/MHz)	Power High Ch. (F/MHz)	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)				2640.01	2692.99	2644			
100	PI2 BPSK	1	1	19.24	19.21	19.10			
100	PI2 BPSK	1	137	19.14	19.18	19.17	21.0	0.0	0.0
100	PI2 BPSK	1	271	19.30	19.14	19.15			
100	PI2 BPSK	150	0	19.19	19.16	19.11	21.0	0.0	0.0
100	PI2 BPSK	150	80	19.32	19.15	19.15	21.0	0.0	0.0
100	PI2 BPSK	150	138	19.10	19.13	19.07	21.0	0.0	0.0
100	PI2 BPSK	270	0	19.30	19.19	19.08			
100	QPSK	1	1	19.22	19.17	19.20			
100	QPSK	1	137	19.32	19.28	19.28	21.0	0.0	0.0
100	QPSK	1	271	19.23	19.20	19.21			
100	QPSK	150	0	19.23	19.17	19.17			
100	QPSK	150	80	19.13	19.11	19.19	21.0	0.0	0.0
100	QPSK	150	138	19.32	19.22	19.28			
100		270	0	19.30	19.19	19.08			
100	NR4QAM	1	1	19.11	19.15	19.10	21.0	0.0	0.0
100	NR4QAM	1	137	19.32	19.23	19.01	21.0	0.0	0.0
100	NR4QAM	1	271	19.23	19.20	19.21			
Frequency (MHz)				2640.01	2692.99	2644			
50	PI2 BPSK	1	1	19.23	19.20	19.10			
50	PI2 BPSK	1	137	19.13	19.17	19.16	21.0	0.0	0.0
50	PI2 BPSK	1	271	19.29	19.13	19.14			
50	PI2 BPSK	150	0	19.18	19.15	19.10	21.0	0.0	0.0
50	PI2 BPSK	150	80	19.31	19.14	19.14	21.0	0.0	0.0
50	PI2 BPSK	150	138	19.11	19.14	19.08	21.0	0.0	0.0
50	PI2 BPSK	270	0	19.29	19.18	19.07			
50	QPSK	1	1	19.21	19.16	19.19			
50	QPSK	1	137	19.31	19.27	19.27	21.0	0.0	0.0
50	QPSK	1	271	19.22	19.19	19.21	21.0	0.0	0.0
50	QPSK	150	0	19.22	19.16	19.16			
50	QPSK	150	80	19.12	19.10	19.18	21.0	0.0	0.0
50	QPSK	150	138	19.31	19.21	19.27			
50		270	0	19.29	19.18	19.07			
20	PI2 BPSK	1	1	19.24	19.23	19.16	21.0	0.0	0.0

n41_Ant 8										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mid Ch. (Freq.)	Power High Ch. (Freq.)	Turnup time (sec)	MFR (dB)		
Channel										
				258922	258958	259000				
100	P12 BPSK	1	1	24.43	24.53	24.63				
100	P12 BPSK	1	137	24.38	24.63	24.63	26.0	0.0		
100	P12 BPSK	1	273	24.40	24.62	24.61				
100	P12 BPSK	135	0	24.66	24.65	24.59	26.0	0.0		
100	P12 BPSK	135	66	24.62	24.65	24.65	26.0	0.0		
100	P12 BPSK	135	134	24.75	24.66	24.62	26.0	0.0		
100	P12 BPSK	270	0	25.08	25.06	24.62	26.0	0.0		
100	QPSK	1	1	24.73	24.65	24.65				
100	QPSK	1	137	24.41	24.62	24.62	26.0	0.0		
100	QPSK	1	273	24.39	24.67	24.62				
100	QPSK	135	0	24.46	24.62	24.62				
100	QPSK	135	66	24.38	24.66	24.61	26.0	0.0		
100	QPSK	135	134	24.39	24.66	24.66				
100	QPSK	270	0	24.42	24.66	24.64	26.0	0.0		
100	16QAM	1	1	24.55	24.62	24.61	26.0	0.0		
100	64QAM	1	1	25.00	25.06	25.15	25.0	1.0		
100	256QAM	1	1	27.40	27.12	27.04	23.0	0.0		
Channel										
				2548.91	2582.93	2644.98				
50	P12 BPSK	1	1	24.76	24.66	24.75	26.0	0.0		
Channel										
				2579.92	2582.93	2640.99				
80	P12 BPSK	1	1	24.78	24.66	24.79	26.0	0.0		
Channel										
				2579.91	2582.93	2635				
70	P12 BPSK	1	1	24.79	24.70	24.79	26.0	0.0		
Channel										
				2579.92	2582.93	2639.98				
60	P12 BPSK	1	1	24.74	24.76	24.88	27.0	0.0		
Channel										
				534204	538996 <th>534998</th> <th></th> <th colspan="3"></th>	534998				
Frequency (MHz)				7122.92	7162.93	7164.93				
50	P12 BPSK	1	1	24.41	24.70	24.79	26.0	0.0		
Channel										
				533292	538996 <th>534998</th> <th></th> <th colspan="3"></th>	534998				
40	P12 BPSK	1	1	24.73	24.76	24.42	26.0	0.0		
Channel										
				532290	538996 <th>534998</th> <th></th> <th colspan="3"></th>	534998				
Frequency (MHz)				23.11	23.42	23.44				
30	P12 BPSK	1	1	24.35	24.24	24.32	26.0	0.0		
Channel										
				531294	538996 <th>533998</th> <th></th> <th colspan="3"></th>	533998				
20	P12 BPSK	1	1	24.38	24.37	24.26	26.0	0.0		

n41(HPUE)_Ant 8										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mid Ch. (Freq.)	Power High Ch. (Freq.)	Turn-up time (sec)	MFR (dB)		
Channel										
				536922	537898	538926				
100	P12 BPSK	1	1	25.65	25.67	25.65				
100	P12 BPSK	1	137	25.59	25.58	25.55	27.5	0.0		
100	P12 BPSK	1	273	25.70	25.69	25.63				
100	P12 BPSK	135	0	25.59	25.69	25.61	27.0	0.0		
100	P12 BPSK	135	66	25.65	25.65	25.61	27.5	0.0		
100	P12 BPSK	135	134	25.70	25.69	25.64	27.0	0.0		
100	P12 BPSK	270	0	25.69	25.69	25.61	27.5	0.0		
100	QPSK	1	1	25.67	25.67	25.58				
100	QPSK	1	137	25.69	25.66	25.62	27.5	0.0		
100	QPSK	1	273	25.71	25.67	25.60				
100	QPSK	135	0	24.86	24.63	24.62				
100	QPSK	135	66	25.65	25.63	25.61	27.5	0.0		
100	QPSK	135	134	24.67	24.62	24.61				
100	QPSK	270	0	24.70	24.62	24.64	26.5	1.0		
100	16QAM	1	1	25.71	24.69	24.65	26.0	1.0		
100	16QAM	1	1	25.65	25.65	25.77	26.5	2.5		
100	256QAM	1	1	27.40	27.17	27.02	23.0	4.5		
Channel										
				2548.91	2582.93	2644.98				
50	P12 BPSK	1	1	25.50	25.54	25.58	27.5	0.0		
Channel										
				2579.92	2582.93	2640.99				
80	P12 BPSK	1	1	25.75	25.67	25.65	27.5	0.0		
Channel										
				2579.91	2582.93	2635				
70	P12 BPSK	1	1	25.65	25.67	25.63	27.5	0.0		
Channel										
				2579.92	2582.93	2639.98				
60	P12 BPSK	1	1	24.67	24.63	24.68	27.5	0.0		
Channel										
				534294	538996	534998				
Frequency (MHz)				7121.92	7162.93	7164.93				
50	P12 BPSK	1	1	25.72	25.71	25.67	27.5	0.0		
Channel										
				533292	538996	534998				
40	P12 BPSK	1	1	25.72	25.76	25.64	27.5	0.0		
Channel										
				532290	538996	534998				
Frequency (MHz)				25.62	25.63	25.66				
30	P12 BPSK	1	1	25.62	25.63	25.66	27.5	0.0		
Channel										
				531294	538996	533998				
20	P12 BPSK	1	1	25.75	25.69	25.67	27.5	0.0		

n48_Ant 7										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mid Ch. (Freq.)	Power High Ch. (Freq.)	Turn-up time (sec)	MFR (dB)		
Channel										
				30700	301600	304320				
40	P12 BPSK	1	1	20.88	20.81	20.89				
40	P12 BPSK	1	83	20.84	20.74	20.68	22.5	0.0		
40	P12 BPSK	1	164	20.73	20.80	20.63				
40	P12 BPSK	50	0	20.71	20.70	20.66	22.5	0.0		
40	P12 BPSK	50	26	20.84	20.70	20.70	22.5	0.0		
40	P12 BPSK	50	56	20.76	20.72	20.68	22.5	0.0		
40	P12 BPSK	100	0	20.63	20.77	20.76				
40	QPSK	1	1	20.71	20.77	20.67				
40	QPSK	1	83	20.69	20.70	20.74	22.5	0.0		
40	QPSK	1	164	20.70	20.69	20.69				
40	QPSK	50	0	20.81	20.62	20.67				
40	QPSK	50	26	20.73	20.67	20.69	22.5	0.0		
40	QPSK	50	56	20.75	20.69	20.71				
40	QPSK	100	0	20.68	20.69	20.76	22.5	0.0		
40	16QAM	1	1	20.71	20.76	20.77	22.5	0.0		
40	16QAM	1	1	20.69	20.70	20.76	22.5	0.0		
40	256QAM	1	1	20.42	20.50	20.44	27.0	1.5		
Channel										
				307324	3016600	3046800				
20	P12 BPSK	1	1	20.81	20.74	20.77				
20	P12 BPSK	1	83	20.79	20.70	20.75	22.5	0.0		
Channel										
				3016000	3016600	3016800				
20	P12 BPSK	1	1	20.77	20.77	20.77				
10	P12 BPSK	1	1	20.77	20.77	20.77	22.5	0.0		



n48_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Main Ch. F.Freq.	Power High Ch. F.Freq.	Turn-on time (dB)	MFR	
Channel									
Frequency (MHz)				30.70	30.84.90	30.79.88			
40	P12 BPSK	1	1	24.45	24.45	24.45			
40	P12 BPSK	1	53	24.45	24.38	24.27	20.0	0.0	
40	P12 BPSK	1	104	24.35	24.43	24.32			
40	P12 BPSK	50	5	24.45	24.34	24.30	25.0	0.0	
40	P12 BPSK	50	26	24.45	24.35	24.31	25.0	0.0	
40	P12 BPSK	50	56	24.45	24.30	24.22	25.0	0.8	
40	P12 BPSK	100	0	24.45	24.30	24.29			
40	QPSK	1	1	24.54	24.38	24.41			
40	QPSK	1	53	24.53	24.31	24.34	20.0	0.0	
40	QPSK	1	104	24.54	24.52	24.50			
40	QPSK	50	0	23.84	23.78	23.80			
40	QPSK	50	26	24.45	24.25	24.27	20.0	0.0	
40	QPSK	50	56	23.92	23.75	23.81			
40	QPSK	100	0	23.59	23.78	23.75	25.0	1.0	
40	16QAM	1	1	24.60	24.61	24.60	25.0	1.0	
40	16QAM	1	1	22.52	22.46	22.50	25.0	2.5	
40	256QAM	1	1	20.47	20.33	20.35	21.0	4.0	
Channel									
Frequency (MHz)				43.72.4	43.86	43.68			
20	P12 BPSK	1	1	24.51	24.44	24.29	20.0	0.0	
Channel									
Frequency (MHz)				43.70	43.70	43.70			
10	P12 BPSK	1	1	24.45	24.34	24.25	20.0	0.0	

n48_Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Main Ch. F.Freq.	Power High Ch. F.Freq.	Turn-on [ms]	MFR	
Channel									
Frequency [MHz]				30.70	30.84.90	30.79.88			
40	P12 BPSK	1	1	24.45	24.45	24.45			
40	P12 BPSK	1	53	24.45	24.28	24.27	20.0	0.0	
40	P12 BPSK	1	104	24.45	24.43	24.32			
40	P12 BPSK	50	5	24.45	24.34	24.30	25.0	0.0	
40	P12 BPSK	50	26	24.45	24.35	24.31	25.0	0.0	
40	P12 BPSK	50	56	24.45	24.30	24.22	25.0	0.5	
40	P12 BPSK	100	0	24.45	24.30	24.29			
40	QPSK	1	1	24.54	24.38	24.41			
40	QPSK	1	53	24.53	24.31	24.34	20.0	0.0	
40	QPSK	1	104	24.54	24.52	24.50			
40	QPSK	50	0	23.84	23.78	23.80			
40	QPSK	50	26	24.45	24.25	24.27	20.0	0.0	
40	QPSK	50	56	23.92	23.75	23.81			
40	QPSK	100	0	23.59	23.78	23.75	25.0	1.0	
40	16QAM	1	1	24.60	24.61	24.60	25.0	1.0	
40	16QAM	1	1	22.52	22.46	22.50	25.0	2.5	
40	256QAM	1	1	20.47	20.33	20.35	21.0	4.0	
Channel									
Frequency [MHz]				43.72.4	43.86	43.68			
20	P12 BPSK	1	1	24.51	24.44	24.29	20.0	0.0	
Channel									
Frequency [MHz]				43.70	43.70	43.70			
10	P12 BPSK	1	1	24.45	24.34	24.25	20.0	0.0	

Part270_n77_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Main Ch. F.Freq.	Power High Ch. F.Freq.	Turn-on [ms]	MFR [dB]	
Channel									
Frequency [MHz]				37.90	38.40	38.50			
100	P12 BPSK	1	1	21.84	21.82	21.72			
100	P12 BPSK	1	137	21.81	21.77	21.65	23.0	0.0	
100	P12 BPSK	1	271	21.80	21.70	21.69			
100	P12 BPSK	135	0	21.73	21.73	21.65	23.0	0.0	
100	P12 BPSK	135	80	21.82	21.70	21.65	23.0	0.0	
100	P12 BPSK	135	136	21.79	21.69	21.69	23.0	0.0	
100	P12 BPSK	270	0	21.80	21.70	21.65			
100	QPSK	1	1	21.67	21.64	21.73			
100	QPSK	1	137	21.44	21.48	21.56	23.0	0.0	
100	QPSK	1	271	21.58	21.48	21.67			
100	QPSK	135	0	21.44	21.48	21.46	23.0	0.0	
100	QPSK	135	80	21.41	21.39	21.33	23.0	0.0	
100	QPSK	135	136	21.40	21.48	21.51			
100	QPSK	270	0	21.44	21.42	21.46	23.0	0.0	
100	16QAM	1	1	21.89	21.75	21.74	23.0	0.0	
100	16QAM	1	1	21.70	21.70	21.61	23.0	0.0	
100	256QAM	1	1	21.65	21.50	21.59	23.0	0.0	
Channel									
Frequency [MHz]				37.45.50	38.40	38.54.50			
50	P12 BPSK	1	1	21.80	21.73	21.70	23.0	0.0	
Channel									
Frequency [MHz]				37.45.50	38.40	38.54.50			
80	P12 BPSK	1	1	21.82	21.72	21.62	23.0	0.0	
Channel									
Frequency [MHz]				37.35	38.40	38.45			
70	P12 BPSK	1	1	21.83	21.81	21.72	23.0	0.0	
Channel									
Frequency [MHz]				37.50.50	38.40	38.45.50			
60	P12 BPSK	1	1	21.78	21.80	21.70	23.0	0.0	
Channel									
Frequency [MHz]				37.23.5	37.90	37.94.50			
50	P12 BPSK	1	1	21.83	21.78	21.70	23.0	0.0	
Channel									
Frequency [MHz]				37.20	38.40	38.40			
40	P12 BPSK	1	1	21.79	21.73	21.70	23.0	0.0	
Channel									
Frequency [MHz]				64.76.8	65.60.0	64.83.2			
30	P12 BPSK	1	1	21.74	21.74	21.56	23.0	0.0	
Channel									
Frequency [MHz]				64.73.4	65.60.0	64.69.6			
20	P12 BPSK	1	1	21.78	21.70	21.70	23.0	0.0	
Channel									
Frequency [MHz]				64.71.8	65.60.0	64.63.2			
15	P12 BPSK	1	1	21.83	21.70	21.67	23.0	0.0	
Channel									
Frequency [MHz]				64.70.0	65.60.0	65.60.0			
10	P12 BPSK	1	1	21.78	21.77	21.76	23.0	0.0	

Part270_n77(HPUe)_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Main Ch. F.Freq.	Power High Ch. F.Freq.	Turn-on [ms]	MFR [dB]	
Channel									
Frequency [MHz]				37.90	38.40	38.50			
100	P12 BPSK	1	1	21.84	21.82	21.72			
100	P12 BPSK	1	137	21.81	21.77	21.69	23.0	0.0	
100	P12 BPSK	1	271	21.80	21.70	21.69			
100	P12 BPSK	135	0	21.73	21.73	21.65	23.0	0.0	
100	P12 BPSK	135	80	21.82	21.70	21.65	23.0	0.0	
100	P12 BPSK	135	136	21.79	21.69	21.69	23.0	0.0	
100	P12 BPSK	270	0	21.80	21.70	21.69			
100	QPSK	1	1	21.67	21.64	21.73			
100	QPSK	1	137	21.44	21.48	21.56	23.0	0.0	
100	QPSK	1	271	21.58	21.48	21.67			
100	QPSK	135	0	21.44	21.48	21.46	23.0	0.0	
100	QPSK	135	80	21.41	21.39	21.33	23.0	0.0	
100	QPSK	135	136	21.40	21.48	21.51			
100	QPSK	270	0	21.44	21.42	21.46	23.0	0.0	
100	16QAM	1	1	21.89	21.77	21.74	23.0	0.0	
100	16QAM	1	1	21.70	21.70	21.61	23.0	0.0	
100	256QAM	1	1	21.65	21.56	21.59	23.0	0.0	
Channel									
Frequency [MHz]				37.45.50	38.40	38.54.50 <th></th> <th></th> <th></th>			
50	P12 BPSK	1	1	21.80	21.73	21.70	23.0	0.0	
Channel									
Frequency [MHz]				37.45.50	38.40	38.54.50 <th></th> <th></th> <th></th>			
80	P12 BPSK	1	1	21.82	21.72	21.62	23.0	0.0	
Channel									
Frequency [MHz]				37.35	38.40	38.45 <th></th> <th></th> <th></th>			
70	P12 BPSK	1	1	21.83	21.81	21.72	23.0	0.0	
Channel									
Frequency [MHz]				37.50.50	38.40	38.45.50 <th></th> <th></th> <th></th>			
60	P12 BPSK	1	1	21.78	21.80	21.70	23.0	0.0	
Channel									
Frequency [MHz]				37.23.5	37.90	37.94.50 <th></th> <th></th> <th></th>			
50	P12 BPSK	1	1				23.0	0.0	
Channel									
Frequency [MHz]				37.23.5	37.90	37.94.50 <th></th> <th></th> <th></th>			
40	P12 BPSK	1	1	21.72	21.72	21.70	23.0	0.0	
Channel									
Frequency [MHz]				37.65.50	38.40	38.43.50 <th></th> <th></th> <th></th>			
30	P12 BPSK	1	1	21.74	21.74	21.64	23.0	0.0	
Channel									
Frequency [MHz]				37.73.5	38.40	38.46.50 <th></th> <th></th> <th></th>			
20	P12 BPSK	1	1	21.76	21.76	21.70	23.0	0.0	
Channel									
Frequency [MHz]				37.76.50	38.40	38.47.50 <th></th> <th></th> <th></th>			
15	P12 BPSK	1	1	21.63	21.76	21.67	23.0	0.0	
Channel									
Frequency [MHz]				37.60.50	38.40	38.50.50 <th></th> <th></th> <th></th>			
10	P12 BPSK	1	1	21.79	21.77	21.70	23.0	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPH (dB)	MPH (dB)
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	24.91	24.91	24.91	26.0	0.0	
100	P1/2 BPSK	1	137	24.90	24.81	24.72	26.0	0.0	
100	P1/2 BPSK	1	271	24.78	24.83	24.73	26.0	0.0	
100	P1/2 BPSK	135	66	24.40	24.75	24.89	26.0	0.0	
100	P1/2 BPSK	135	138	24.78	24.78	24.74	26.0	0.0	
100	QPSK	1	1	24.89	24.81	24.80	26.0	0.0	
100	QPSK	1	137	24.90	24.79	24.72	26.0	0.0	
100	QPSK	1	271	24.77	24.83	24.76	26.0	0.0	
100	QPSK	135	6	24.86	24.75	24.77	26.0	0.0	
100	QPSK	135	138	24.74	24.72	24.70	26.0	0.0	
100	QPSK	270	0	24.81	24.74	24.71	26.0	0.0	
100	SSB-AM	1	1	24.76	24.87	24.72	26.0	0.0	
100	SSB-AM	1	1	24.96	24.80	24.81	26.0	0.0	
100	SSB-AM	1	1	21.99	21.87	21.76	23.0	0.0	
Channel									
Frequency (MHz)									
50	P1/2 BPSK	1	1	24.86	24.83	24.81	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.75	24.81	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
70	P1/2 BPSK	1	1	24.83	24.86	24.85	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.73	24.78	24.83	26.0	0.0	
Channel									

Part270_n77_Ant 10									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up [ms]	MFR [dB]	
Channel									
				3750	3840	3930			
100	P1/2 BPSK	1	1	24.01	24.01	24.72			
100	P1/2 BPSK	1	137	24.00	24.01	24.72	20.0	0.0	
100	P1/2 BPSK	1	271	24.70	24.83	24.72			
100	P1/2 BPSK	155	0	24.40	24.75	24.60			
100	P1/2 BPSK	155	60	24.00	24.01	24.72	20.0	0.0	
100	P1/2 BPSK	155	138	24.70	24.70	24.74			
100	P1/2 BPSK	270	0	24.00	24.00	24.72			
100	QPSK	1	1	24.00	24.01	24.60			
100	QPSK	1	137	24.00	24.70	24.72	20.0	0.0	
100	QPSK	1	271	24.71	24.83	24.70			
100	QPSK	155	0	24.00	24.75	24.83			
100	QPSK	155	60	24.00	24.75	24.71	20.0	0.0	
100	QPSK	155	138	24.74	25.72	24.70			
100	QPSK	270	0	24.01	24.74	24.71			
100	SSB-AM	1	1	24.70	24.07	24.72	20.0	0.0	
100	SSB-AM	1	1	24.00	24.00	24.01	20.0	1.0	
100	SSB-AM	1	1	21.00	21.07	21.70	20.0	0.0	
Channel									
				3745.00	3840.00	3930.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	24.00	24.03	24.61	20.0	0.0	
Channel									
				3745.11	3840.00	3930.00	1ms	MFR [dB]	
80	P1/2 BPSK	1	1	24.75	24.61	24.53	20.0	0.0	
Channel									
				3735	3840	3945			
70	P1/2 BPSK	1	1	24.03	24.50	24.50	20.0	0.0	
Channel									
				3750.00	3840	3940.00	1ms	MFR [dB]	
60	P1/2 BPSK	1	1	24.40	24.70	24.63	20.0	0.0	
Channel									
				6400.00	6500.00	6600.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	772.01	7640	7674.00	1ms	MFR [dB]	
Channel									
				6400.00	6500.00	6600.00	1ms	MFR [dB]	
40	P1/2 BPSK	1	1	24.75	24.60	24.54	20.0	0.0	
Channel									
				647600	650000	662332	1ms	MFR [dB]	
30	P1/2 BPSK	1	1	24.00	24.50	24.54	20.0	0.0	
Channel									
				647334	650000	660600	1ms	MFR [dB]	
20	P1/2 BPSK	1	1	24.70	24.60	24.53	20.0	0.0	
Channel									
				647166	650000	660400	1ms	MFR [dB]	
15	P1/2 BPSK	1	1	24.77	24.57	24.50	20.0	0.0	
Channel									
				647000	650000	660000	1ms	MFR [dB]	
10	P1/2 BPSK	1	1	24.00	24.03	24.52	20.0	0.0	

Part270_n77(HPUe)_Ant 10									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up [ms]	MFR [dB]	
Channel									
				3750	3840	3930			
100	P1/2 BPSK	1	1	24.01	24.34	24.72			
100	P1/2 BPSK	1	137	26.30	26.22	26.30	27.5	0.0	
100	P1/2 BPSK	1	271	26.20	26.02	26.20			
100	P1/2 BPSK	155	0	25.62	25.94	25.62	27.0	0.0	
100	P1/2 BPSK	155	60	26.30	26.01	26.30	27.5	0.0	
100	P1/2 BPSK	155	138	25.73	25.00	25.73	27.0	0.0	
100	P1/2 BPSK	270	0	25.02	25.77	25.76			
100	QPSK	1	1	26.42	26.30	26.32			
100	QPSK	1	137	26.30	26.24	26.30	27.5	0.0	
100	QPSK	1	271	26.30	26.20	26.30			
100	QPSK	155	0	25.30	25.41	25.32			
100	QPSK	155	60	26.30	26.01	26.30	27.5	0.0	
100	QPSK	155	138	25.27	25.24	25.24			
100	QPSK	270	0	25.27	25.20	25.31	26.5	1.0	
100	SSB-AM	1	1	25.31	25.03	25.20	26.0	1.0	
100	SSB-AM	1	1	24.00	24.00	24.04	25.0	2.5	
100	SSB-AM	1	1	21.00	21.00	21.00	23.0	4.0	
Channel									
				3745.00	3840.00	3930.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	26.44	26.24	26.32	27.5	0.0	
Channel									
				3745.11	3840.00	3930.00	1ms	MFR [dB]	
80	P1/2 BPSK	1	1	26.44	26.07	26.16	27.5	0.0	
Channel									
				3735	3840	3945			
70	P1/2 BPSK	1	1	26.42	26.02	26.22	27.5	0.0	
Channel									
				3730.00	3840	3940.00	1ms	MFR [dB]	
60	P1/2 BPSK	1	1	26.42	26.20	26.23	27.5	0.0	
Channel									
				6400.00	6500.00	6600.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	772.01	7640	7674.00	1ms	MFR [dB]	
Channel									
				6400.00	6500.00	6600.00	1ms	MFR [dB]	
40	P1/2 BPSK	1	1	26.43	26.10	26.21	27.5	0.0	
Channel									
				647600	650000	662332	1ms	MFR [dB]	
30	P1/2 BPSK	1	1	26.37	26.20	26.13	27.5	0.0	
Channel									
				647334	650000	660600	1ms	MFR [dB]	
20	P1/2 BPSK	1	1	26.34	26.10	26.20	27.5	0.0	
Channel									
				647166	650000	660400	1ms	MFR [dB]	
15	P1/2 BPSK	1	1	26.44	26.01	26.10	27.5	0.0	
Channel									
				647000	650000	660000	1ms	MFR [dB]	
10	P1/2 BPSK	1	1	26.40	26.02	26.14	27.5	0.0	

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SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up [ms]	MFR [dB]	
Channel									
				3750					
100	P1/2 BPSK	1	1	21.00					
100	P1/2 BPSK	1	137	21.71			20.0	0.0	
100	P1/2 BPSK	1	271	21.51					
100	P1/2 BPSK	155	0	21.70			20.0	0.0	
100	P1/2 BPSK	155	60	21.60			20.0	0.0	
100	P1/2 BPSK	155	138	21.51			20.0	0.0	
100	P1/2 BPSK	270	0	21.70					
100	QPSK	1	1	21.70					
100	QPSK	1	137	21.70			20.0	0.0	
100	QPSK	1	271	21.50					
100	QPSK	155	0	21.71			20.0	0.0	
100	QPSK	155	60	21.60			20.0	0.0	
100	QPSK	155	138	21.50			20.0	0.0	
100	QPSK	270	0	21.40			20.0	0.0	
100	SSB-AM	1	1	21.70			20.0	0.0	
100	SSB-AM	1	1	21.70			20.0	0.0	
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0	0.0	
Channel									
				3745.00	3750	3754.00	1ms	MFR [dB]	
50	P1/2 BPSK	1	1	21.70	21.77	21.60	20.0		

Part270_n78_Ant 8									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Max Ch. [Freq]	Power High Ch. [Freq]	Turn-up [ms]	MFR [dB]	
Channel									
Frequency [MHz]									
100	P12 BPSK	1	1	24.80					
100	P12 BPSK	1	137	24.79			20.0	0.0	
100	P12 BPSK	1	271	24.80					
100	P12 BPSK	135	0	24.80			20.0	0.0	
100	P12 BPSK	135	66	24.80			20.0	0.0	
100	P12 BPSK	135	138	24.47			20.0	0.0	
100	P12 BPSK	270	0	24.81					
100	QPSK	1	1	24.81					
100	QPSK	1	137	24.79			20.0	0.0	
100	QPSK	1	271	24.80					
100	QPSK	135	0	24.80					
100	QPSK	135	66	24.80			20.0	0.0	
100	QPSK	135	138	24.44					
100	QPSK	270	0	24.80			20.0	0.0	
100	16QAM	1	1	24.81			20.0	0.0	
100	16QAM	1	1	24.80			20.0	1.0	
100	256QAM	1	1	24.80			20.0	0.0	
Channel									
Frequency [MHz]									
50	P12 BPSK	1	1	24.77	24.76	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
50	P12 BPSK	1	1	24.74	24.73	24.81	20.0	0.0	
Channel									
Frequency [MHz]									
70	P12 BPSK	1	1	24.78	24.73	24.80	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1	24.42	24.79	24.78	20.0	0.0	
Channel									
Frequency [MHz]									
80	P12 BPSK	1	1						

Part27O_n78_Ant 10									
SN (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Time-up (ms)	dBm (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	24.80					
100	P1/2 BPSK	1	137	24.79			20.0	0.0	
100	P1/2 BPSK	1	271	24.80					
100	P1/2 BPSK	135	0	24.80			20.0	0.0	
100	P1/2 BPSK	135	85	24.81			20.0	0.0	
100	P1/2 BPSK	135	138	24.47			20.0	0.0	
100	P1/2 BPSK	210	0	24.81			20.0	0.0	
100	QPSK	1	1	24.81					
100	QPSK	1	137	24.79			20.0	0.0	
100	QPSK	1	271	24.80					
100	QPSK	135	0	24.87					
100	QPSK	135	85	24.87			20.0	0.0	
100	QPSK	135	138	24.44					
100	QPSK	210	0	24.96			20.0	0.0	
100	16QAM	1	1	24.81			20.0	0.0	
100	16QAM	1	1	24.87			20.0	1.0	
100	256QAM	1	1	27.89			22.0	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	24.73	24.76	24.78	20.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.24	24.73	24.81	20.0	0.0	
Channel									
Frequency (MHz)									
70	P1/2 BPSK	1	1	24.75	24.73	24.80	20.0	0.0	
Channel									
Frequency (MHz)									
60	P1/2 BPSK	1	1	24.82	24.73	24.78	20.0	0.0	
Channel									
Frequency (MHz)									
50	P1/2 BPSK	1	1	24.43	24.81	24.78	20.0	0.0	
Channel									
Frequency (MHz)									
40	P1/2 BPSK	1	1	24.49	24.78	24.82	20.0	0.0	
Channel									
Frequency (MHz)									
30	P1/2 BPSK	1	1	24.43	24.79	24.78	20.0	0.0	
Channel									
Frequency (MHz)									
20	P1/2 BPSK	1	1	24.54	24.80	24.72	20.0	0.0	
Channel									
Frequency (MHz)									
15	P1/2 BPSK	1	1	24.87	24.88	24.84	20.0	0.0	
Channel									
Frequency (MHz)									
10	P1/2 BPSK	1	1	24.80	24.81	24.78	20.0	0.0	

Part27O_n78(HPUE)_Ant 10									
SN (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Middle Ch. (Freq.)	Power High Ch. (Freq.)	Time-up (ms)	dBm (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	25.43					
100	P1/2 BPSK	1	137	25.38			27.5	0.0	
100	P1/2 BPSK	1	271	25.14					
100	P1/2 BPSK	135	0	25.42			27.0	0.0	
100	P1/2 BPSK	135	85	25.25			27.5	0.0	
100	P1/2 BPSK	135	138	25.58			27.0	0.0	
100	P1/2 BPSK	210	0	25.12			27.0	0.0	
100	QPSK	1	1	25.42					
100	QPSK	1	137	25.38			27.5	0.0	
100	QPSK	1	271	25.13					
100	QPSK	135	0	25.34					
100	QPSK	135	85	25.18			27.5	0.0	
100	QPSK	135	138	25.02					
100	QPSK	210	0	25.10			26.5	1.0	
100	16QAM	1	1	25.25			26.5	1.0	
100	16QAM	1	1	24.95			25.0	2.0	
100	256QAM	1	1	27.60			23.0	4.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	25.38	25.38	25.36	27.5	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	25.38	25.34	25.38	27.5	0.0	
Channel									
Frequency (MHz)									
70	P1/2 BPSK	1	1	25.34	25.35	25.35	27.5	0.0	
Channel									
Frequency (MHz)									
60	P1/2 BPSK	1	1	25.35	25.32	25.32	27.5	0.0	
Channel									
Frequency (MHz)									
50	P1/2 BPSK	1	1	25.33	25.34	25.34	27.5	0.0	
Channel									
Frequency (MHz)									
40	P1/2 BPSK	1	1	25.33	25.34	25.34	27.5	0.0	
Channel									
Frequency (MHz)									
30	P1/2 BPSK	1	1	25.25	25.37	25.42	27.5	0.0	
Channel									
Frequency (MHz)									
20	P1/2 BPSK	1	1	25.25	25.31	25.40	27.5	0.0	
Channel									
Frequency (MHz)									
15	P1/2 BPSK	1	1	25.33	25.37	25.42	27.5	0.0	
Channel									
Frequency (MHz)									
10	P1/2 BPSK	1	1	25.40	25.33	25.36	27.5	0.0	



5G NR Power for State 11

n2_Ant 1									
RF BNC	Modulation	RB Size	RB Offset	Power Line Ch./FREQ	Power Main Ch./FREQ	Power Tgt. Ch./FREQ	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PR12 BPSK	1	1	24.30	24.32	24.37			
20	PR12 BPSK	1	53	24.24	24.48	24.18	20.0	0.0	
20	PR12 BPSK	1	104	24.28	24.38	24.08			
20	PR12 BPSK	50	0	24.19	24.44	24.20	20.0	0.0	
20	PR12 BPSK	50	26	24.22	24.46	24.02			
20	PR12 BPSK	50	56	24.22	24.48	24.02	20.0	0.0	
20	PR12 BPSK	100	0	24.18	24.47	24.20	20.0	0.0	
20	QPSK	1	1	24.28	24.48	24.41			
20	QPSK	1	53	24.27	24.51	24.14	20.0	0.0	
20	QPSK	1	104	24.45	24.43	24.13			
20	QPSK	50	0	24.21	24.42	24.24	20.0	1.0	
20	QPSK	50	26	24.19	24.46	24.50	20.0	0.0	
20	QPSK	50	56	24.22	24.44	24.07	20.0	1.0	
20	QPSK	100	0	24.19	24.47	24.20	20.0	1.0	
20	16QAM	1	1	24.46	24.47	24.46	20.0		
20	16QAM	1	1	24.88	24.87	24.89	20.0	2.0	
20	16QAM	1	1	25.74	25.85	25.84	21.0	4.0	
Channel				371000	370000	369000	Turn-up time (min)	MFR (dB)	
Frequency (MHz)				1800.0	1800.0	1800.0			
15	PR12 BPSK	1	1	24.34	24.31	24.26	20.0	0.0	
Channel				371000	370000	361000	Turn-up time (min)	MFR (dB)	
Frequency (MHz)				1800.0	1800.0	1800.0			
10	PR12 BPSK	1	1	24.26	24.49	24.19	20.0	0.0	
Channel				370000	370000	361000	Turn-up time (min)	MFR (dB)	
Frequency (MHz)				1800.0	1800.0	1800.0			
5	PR12 BPSK	1	1	24.30	24.45	24.28	20.0	0.0	

n2_Ant 2									
RF BNC	Modulation	RB Size	RB Offset	Power Line Ch./FREQ	Power Main Ch./FREQ	Power Tgt. Ch./FREQ	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PR12 BPSK	1	1	22.51	22.58	22.51			
20	PR12 BPSK	1	53	22.50	22.56	22.52	24.0	0.0	
20	PR12 BPSK	1	104	22.47	22.54	22.48			
20	PR12 BPSK	50	0	22.47	22.54	22.47	24.0	0.0	
20	PR12 BPSK	50	26	22.45	22.57	22.48			
20	PR12 BPSK	50	56	22.45	22.51	22.48	24.0	0.0	
20	PR12 BPSK	100	0	22.25	22.55	22.33	24.0	0.0	
20	QPSK	1	1	22.49	22.49	22.48			
20	QPSK	1	53	22.58	22.46	22.44	24.0	0.0	
20	QPSK	1	104	22.52	22.46	22.42			
20	QPSK	50	0	22.52	22.42	22.43	24.0	0.0	
20	QPSK	50	26	22.44	22.46	22.35	24.0	0.0	
20	QPSK	50	56	22.31	22.39	22.43	24.0	0.0	
20	QPSK	100	0	22.47	22.46	22.44	24.0	0.0	
20	16QAM	1	1	22.50	22.43	22.36	24.0	0.0	
20	16QAM	1	1	22.47	22.46	22.36	20.0	0.0	
20	256QAM	1	1	20.54	20.47	20.43	21.0	2.0	
Channel				371500	370000	369000	Turn-up time (min)	MFR (dB)	
Frequency (MHz)				1800.0	1800.0	1800.0			
15	PR12 BPSK	1	1	22.51	22.43	22.38	24.0	0.0	
Channel				371000	370000	361000	Turn-up time (min)	MFR (dB)	
Frequency (MHz)				1800.0	1800.0	1800.0			
10	PR12 BPSK	1	1	22.18	22.46	22.41	24.0	0.0	
Channel				370000	370000	361000	Turn-up time (min)	MFR (dB)	
Frequency (MHz)				1800.0	1800.0	1800.0			
5	PR12 BPSK	1	1	22.33	22.42	22.37	24.0	0.0	

n5_Ant 0									
RF BNC	Modulation	RB Size	RB Offset	Power Line Ch./FREQ	Power Main Ch./FREQ	Power Tgt. Ch./FREQ	Turnup time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PR12 BPSK	1	1	24.32	24.41	24.26			
20	PR12 BPSK	1	53	24.15	24.12	24.09	20.0	0.0	
20	PR12 BPSK	1	104	24.03	24.10	24.01			
20	PR12 BPSK	50	0	24.23	24.18	24.16	20.0	0.0	
20	PR12 BPSK	50	26	24.20	24.20	24.16			
20	PR12 BPSK	50	56	24.15	24.20	24.05	20.0	0.0	
20	PR12 BPSK	100	0	24.28	24.28	24.16	20.0	0.0	
20	QPSK	1	1	24.30	24.28	24.30			
20	QPSK	1	53	24.24	24.17	24.17	20.0	0.0	
20	QPSK	1	104	24.11	24.13	24.10			
20	QPSK	50	0	24.31	24.26	24.24	20.0	1.0	
20	QPSK	50	26	24.22	24.18	24.16	20.0	0.0	
20	QPSK	50	56	24.16	24.15	24.08	20.0	1.0	
20	QPSK	100	0	24.28	24.19	24.16	20.0	1.0	
20	16QAM	1	1	24.46	24.37	24.35	20.0	1.0	
20	16QAM	1	1	20.99	20.96	20.92	20.0	2.0	
20	256QAM	1	1	20.90	20.84	20.79	21.0	4.0	
Channel				169300	167300	166000	Turnup time (min)	MFR (dB)	
Frequency (MHz)				800.0	800.0	800.0			
15	PR12 BPSK	1	1	24.30	24.28	24.27	20.0	0.0	
Channel				169000	167300	166000	Turnup time (min)	MFR (dB)	
Frequency (MHz)				800.0	800.0	800.0			
10	PR12 BPSK	1	1	24.33	24.19	24.24	20.0	0.0	
Channel				169000	167300	166000	Turnup time (min)	MFR (dB)	
Frequency (MHz)				800.0	800.0	800.0			
5	PR12 BPSK	1	1	24.34	24.25	24.19	20.0	0.0	

n5_Ant 2									
RF BNC	Modulation	RB Size	RB Offset	Power Line Ch./FREQ	Power Main Ch./FREQ	Power Tgt. Ch./FREQ	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PR12 BPSK	1	1	21.81	21.80	21.80			
20	PR12 BPSK	1	53	21.77	21.79	21.84	20.0	0.0	
20	PR12 BPSK	1	104	21.59	21.57	21.54			
20	PR12 BPSK	50	0	21.59	21.63	21.54	20.0	0.0	
20	PR12 BPSK	50	26	21.57	21.66	21.57	20.0	0.0	
20	PR12 BPSK	50	56	21.52	21.60	21.50	20.0	0.0	
20	PR12 BPSK	100	0	21.82	21.82	21.83	20.0	0.0	
20	QPSK	1	1	21.80	21.83	21.73			
20	QPSK	1	53	21.58	21.60	21.61	20.0	0.0	
20	QPSK	1	104	21.68	21.61	21.58			
20	QPSK	50	0	21.60	21.70	21.69	20.0	0.0	
20	QPSK	50	26	21.67	21.57	21.64	20.0	0.0	
20	QPSK	50	56	21.69	21.63	21.65	20.0	0.0	
20	QPSK	100	0	21.67	21.57	21.67	20.0	0.0	
20	16QAM	1	1	21.78	21.70	21.60	20.0	0.0	
20	16QAM	1	1	21.83	21.84	21.75	20.0	0.0	
20	256QAM	1	1	20.96	20.90	20.81	21.0	2.0	
Channel				169000	167300	166000	Turn-up time (min)	MFR (dB)	
Frequency (MHz)				800.0	800.0	800.0			
15	PR12 BPSK	1	1	21.83	21.84	21.87	20.0	0.0	
Channel				169000	167300	166000	Turn-up time (min)	MFR (dB)	
Frequency (MHz)				800.0	800.0	800.0			
10	PR12 BPSK	1	1	21.86	21.85	21.82	20.0	0.0	
Channel				169000	167300	166000	Turn-up time (min)	MFR (dB)	
Frequency (MHz)				800.0	800.0	800.0			
5	PR12 BPSK	1	1	21.88	21.89	21.74	20.0	0.0	



n7_Ant 1										
RF BNC	Modulation	RF Size	RF Offset	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power Tgt. Ch./F.Freq.	Turn-up level (dBm)	MFR (dB)		
Channel				50400	50700	51000	20.0	20.0		
Frequency (MHz)				24.50	24.50	24.50				
40	PI2 BPSK	1	1	24.50	24.54	24.52	20.0	0.0		
40	PI2 BPSK	1	100	24.50	24.51	24.50				
40	PI2 BPSK	1	214	24.50	24.50	24.50	20.0	0.0		
40	PI2 BPSK	100	0	24.50	24.51	24.50				
40	PI2 BPSK	100	54	24.50	24.50	24.52	20.0	0.0		
40	PI2 BPSK	210	0	24.46	24.54	24.50	20.0	0.0		
40	QPSK	1	1	24.53	24.51	24.51	20.0	0.0		
40	QPSK	1	100	24.47	24.51	24.50	20.0	0.0		
40	QPSK	1	214	24.44	24.55	24.53				
40	QPSK	100	0	24.47	24.48	24.48	20.0	1.0		
40	QPSK	100	54	24.57	24.50	24.52	20.0	0.0		
40	QPSK	100	100	24.40	24.47	24.50	20.0	1.0		
40	QPSK	210	0	24.57	24.51	24.50				
40	16QAM	1	1	24.49	24.49	24.52	20.0	0.0		
40	16QAM	1	1	24.49	24.49	24.49	20.0	2.0		
40	16QAM	1	1	20.50	20.50	20.50	21.5	4.5		
Channel				50300	50700	51100	Turn-up level (dBm)	MFR (dB)		
Frequency (MHz)				24.50	24.50	24.50				
30	PI2 BPSK	1	1	24.53	24.50	24.50	20.0	0.0		
Channel				50200	50700	51100	Turn-up level (dBm)	MFR (dB)		
Frequency (MHz)				20.15	20.10	20.07				
20	PI2 BPSK	1	1	24.47	24.50	24.50	20.0	0.0		
Channel				50200	50700	51000	Turn-up level (dBm)	MFR (dB)		
Frequency (MHz)				20.10	20.10	20.00				
10	PI2 BPSK	1	1	24.50	24.50	24.57	20.0	0.0		
Channel				50700	50700	51000	Turn-up level (dBm)	MFR (dB)		
Frequency (MHz)				20.07	20.00	20.00				
5	PI2 BPSK	1	1	24.43	24.50	24.52	20.0	0.0		

n7_Ant 2										
RF BNC	Modulation	RF Size	RF Offset	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power Tgt. Ch./F.Freq.	Turn-up level (dBm)	MFR (dB)		
Channel				50400	50700	51000	20.0	20.0		
Frequency (MHz)				18.57	18.50	18.52				
40	PI2 BPSK	1	1	18.54	18.50	18.52	18.5	0.0		
40	PI2 BPSK	1	100	18.50	18.54	18.50				
40	PI2 BPSK	1	214	18.50	18.54	18.50	18.5	0.0		
40	PI2 BPSK	100	0	18.77	18.67	18.85	18.5	0.0		
40	PI2 BPSK	100	54	18.50	18.50	18.51	18.5	0.0		
40	PI2 BPSK	100	100	18.50	18.50	18.50	18.5	0.0		
40	QPSK	1	1	18.53	18.51	18.52	18.5	0.0		
40	QPSK	1	100	18.54	18.51	18.50	18.5	0.0		
40	QPSK	1	214	18.53	18.54	18.57				
40	QPSK	100	0	18.50	18.53	18.54	18.5	0.0		
40	QPSK	100	54	18.50	18.50	18.51	18.5	0.0		
40	QPSK	100	100	18.50	18.54	18.50	18.5	0.0		
40	QPSK	210	0	18.50	18.50	18.50	18.5	0.0		
40	16QAM	1	1	18.50	18.50	18.54	18.5	0.0		
40	16QAM	1	1	18.50	18.50	18.50	18.5	0.0		
40	16QAM	1	1	18.50	18.50	18.50	18.5	0.0		
Channel				50300	50700	51100	Turn-up level (dBm)	MFR (dB)		
Frequency (MHz)				18.52	18.50	18.50 <td></td> <td colspan="3"></td>				
30	PI2 BPSK	1	1	18.52	18.51	18.50	18.5	0.0		
Channel				50200	50700	51100	Turn-up level (dBm)	MFR (dB)		
Frequency (MHz)				18.12	18.10	18.07 <td></td> <td colspan="3"></td>				
20	PI2 BPSK	1	1	18.51	18.51	18.53	18.5	0.0		
Channel				50200	50700	51000	Turn-up level (dBm)	MFR (dB)		
Frequency (MHz)				18.10	18.10	18.00 <td></td> <td colspan="3"></td>				
10	PI2 BPSK	1	1	18.50	18.50	18.50	18.5	0.0		
Channel				50700	50700	51000	Turn-up level (dBm)	MFR (dB)		
Frequency (MHz)				18.07	18.00	18.00 <td></td> <td colspan="3"></td>				
5	PI2 BPSK	1	1	18.50	18.50	18.51	18.5	0.0		

n12_Ant 0										
RF BNC	Modulation	RF Size	RF Offset	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power Tgt. Ch./F.Freq.	Turnup level (dBm)	MFR		
Channel				14100	14100	14100	20.0	20.0		
Frequency (MHz)				70.5	70.5					
10	PI2 BPSK	1	1	24.65	24.67	24.72	20.0	0.0		
10	PI2 BPSK	1	40	24.61	24.63	24.65				
10	PI2 BPSK	1	87	24.67	24.65	24.65	20.0	0.0		
10	PI2 BPSK	30	0	23.77	23.67	24.67	20.0	0.0		
10	PI2 BPSK	30	42	24.66	24.65	24.65	20.0	0.0		
10	PI2 BPSK	30	45	24.62	24.65	24.65	20.0	0.0		
10	PI2 BPSK	70	0	24.17	24.57	24.55	20.0	0.0		
10	QPSK	1	1	24.68	24.68	24.70	20.0	0.0		
10	QPSK	1	40	23.62	23.70	23.60	20.0	0.0		
10	QPSK	1	77	24.68	25.00	24.64				
10	QPSK	30	0	23.02	23.02	23.02	20.0	1.0		
10	QPSK	30	22	24.67	24.67	25.00	20.0	0.0		
10	QPSK	30	40	24.68	24.11	24.10	20.0	1.0		
10	16QAM	1	1	23.84	23.80	23.82	20.0	1.0		
10	16QAM	1	1	20.29	20.29	20.29	21.5	4.5		
10	16QAM	1	1	20.20	20.24	20.24	21.5	4.5		
Channel				14000	14100	14200	Turn-up level (dBm)	MFR		
Frequency (MHz)				70.0	70.0	70.0				
10	PI2 BPSK	1	1	24.40	24.50	24.51	20.0	0.0		
Channel				14000	14100	14200	Turn-up level (dBm)	MFR		
Frequency (MHz)				69.5	69.5	69.5				
5	PI2 BPSK	1	1	24.61	24.70	24.63	20.0	0.0		

n12_Ant 2										
RF BNC	Modulation	RF Size	RF Offset	Power Line Ch./F.Freq.	Power Main Ch./F.Freq.	Power Tgt. Ch./F.Freq.	Turn-up level (dBm)	MFR		
Channel				14000	14100	14200	20.0	20.0		
Frequency (MHz)				70.5	70.5	70.5				
10	PI2 BPSK	1	1	23.98	23.97	23.91	20.0	0.0		
10	PI2 BPSK	1	40	24.11	24.10	24.10				
10	PI2 BPSK	1	77	24.00	24.04	24.04	20.0	0.0		
10	PI2 BPSK	30	0	24.00	24.00	24.00	20.0	0.0		
10	PI2 BPSK	30	40	24.04	24.11	24.05	20.0	0.0		
10	PI2 BPSK	30	45	24.00	24.12	24.00	20.0	0.0		
10	QPSK	1	1	23.97	23.96	23.93	20.0	0.0		
10	QPSK	1	40	24.14	24.10	24.10	20.0	0.0		
10	QPSK	1	77	24.05	24.10	24.07	20.0	0.0		
10	QPSK	30	0	23.00	24.07	24.10	20.0	0.0		
10	QPSK	30	22	24.11	24.05	24.09	20.0	0.0		
10	QPSK	30	40	24.08	24.08	24.03	20.0	0.0		
10	QPSK	70	0	24.00	24.00	23.97	20.0	0.0		
10	16QAM	1	1	24.02	24.00	23.90	20.0	0.0		
10	16QAM	1	1	20.16	20.27	20.26	21.5	4.5		
10	16QAM	1	1	20.43	20.20	20.20	21.5	3.5		
Channel				14000	14100	14200	Turn-up level (dBm)	MFR		
10	PI2 BPSK	1	1	23.99	23.99	23.95	20.0	0.0		
Channel				14000	14100	14200	Turn-up level (dBm)	MFR		
10	Frequency Mod.	1	1	23.99	23.99	23.95	20.0	0.0		
0	PI2 BPSK	1	1	23.99	23.99	23.94	20.0	0.0		



n13_Ant 0											
RF B/W	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Min./Ch./F.Freq.	Power Max./Ch./F.Freq.	Tune-up band (dBm)	MPH (dB)			
Channel											
Frequency (MHz)											
10	PI2 BPSK	1	1		24.85						
10	PI2 BPSK	1	26		24.48		26.0	0.0			
10	PI2 BPSK	1	50		24.53		25.0	0.0			
10	PI2 BPSK	25	0		24.42		25.0	0.0			
10	PI2 BPSK	25	14		24.45		26.0	0.0			
10	PI2 BPSK	25	27		24.43		26.0	0.0			
10	PI2 BPSK	50	0		24.42		26.0	0.0			
10	QPSK	1	1		24.58						
10	QPSK	1	26		24.50		26.0	0.0			
10	QPSK	1	50		24.47						
10	QPSK	25	0		23.81		25.0	1.0			
10	QPSK	25	14		24.41		26.0	0.0			
10	QPSK	25	27		23.88		25.0	1.0			
10	QPSK	50	0		23.79		25.0	1.0			
10	16QAM	1	1		23.88		25.0	1.0			
10	16QAM	1	1		21.76		23.0	4.0			
10	16QAM	1	1		19.85		21.0	4.5			
Channel											
Frequency (MHz)				155980	156030	156050	Tune-up band (dBm)	MPH (dB)			
5	PI2 BPSK	1	1	24.52	24.48	24.55	26.0	0.0			

n13_Ant 2											
RF B/W	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Min./Ch./F.Freq.	Power Max./Ch./F.Freq.	Tuneup band (dBm)	MPH (dB)			
Channel											
Frequency (MHz)											
10	PI2 BPSK	1	1		24.88						
10	PI2 BPSK	1	26		24.48		26.0	0.0			
10	PI2 BPSK	1	50		24.53		25.0	0.0			
10	PI2 BPSK	25	0		24.42		25.0	0.0			
10	PI2 BPSK	25	14		24.45		26.0	0.0			
10	PI2 BPSK	25	27		24.43		26.0	0.0			
10	PI2 BPSK	50	0		24.42		26.0	0.0			
10	QPSK	1	1		24.58						
10	QPSK	1	26		24.50		26.0	0.0			
10	QPSK	1	50		24.47						
10	QPSK	25	0		23.81		25.0	1.0			
10	QPSK	25	14		24.41		26.0	0.0			
10	QPSK	25	27		23.88		25.0	1.0			
10	QPSK	50	0		23.79		25.0	1.0			
10	16QAM	1	1		23.88		25.0	1.0			
10	16QAM	1	1		21.76		23.0	4.0			
10	16QAM	1	1		19.85		21.0	4.5			
Channel											
				155980	156030	156050	Tuneup band (dBm)	MPH (dB)			
5	PI2 BPSK	1	1	24.52	24.48	24.55	26.0	0.0			

n25_Ant 1									
RF B/W	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Min./Ch./F.Freq.	Power Max./Ch./F.Freq.	Tune-up band (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	25.12	24.95	24.95			
20	PI2 BPSK	1	50	24.83	24.55	24.10	26.0	0.0	
20	PI2 BPSK	1	104	24.80	24.50	24.09			
20	PI2 BPSK	50	0	24.78	24.50	24.07	20.0	0.0	
20	PI2 BPSK	50	26	24.86	24.57		20.0	0.0	
20	PI2 BPSK	50	50	24.87	24.57	24.11	20.0	0.0	
20	PI2 BPSK	100	0	24.82	24.51	24.15	20.0	0.0	
20	QPSK	1	1	24.83	24.53	24.09			
20	QPSK	1	50	24.80	24.57	24.17	20.0	0.0	
20	QPSK	1	104	24.48	24.29	24.08			
20	QPSK	50	0	24.82	24.42	24.22	20.0	1.0	
20	QPSK	50	26	24.85	24.51	24.13	20.0	0.0	
20	QPSK	50	50	24.79	24.25	24.12	20.0	1.0	
20	QPSK	100	0	24.82	24.53	24.14	20.0	1.0	
20	16QAM	1	1	25.00	24.58	24.51	20.0	1.0	
20	16QAM	1	1	23.47	23.29	23.05	20.0	4.0	
20	16QAM	1	1	21.45	21.02	20.75	21.0	4.5	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	25.05	24.50	24.39	20.0	0.0	
Channel									
Frequency (MHz)									
10	PI2 BPSK	1	1	25.00	24.49	24.19	20.0	0.0	
Channel									
Frequency (MHz)									
5	PI2 BPSK	1	1	24.98	24.41	24.21	20.0	0.0	

n25_Ant 2									
RF B/W	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Min./Ch./F.Freq.	Power Max./Ch./F.Freq.	Tune-up band (dBm)	MPH (dB)	
Channel									
Frequency (MHz)									
20	PI2 BPSK	1	1	25.01	24.80	24.47			
20	PI2 BPSK	1	50	22.83	22.45	22.45	24.0	0.0	
20	PI2 BPSK	1	104	22.85	22.58	22.42			
20	PI2 BPSK	50	0	22.82	22.49	22.41	24.0	0.0	
20	PI2 BPSK	50	26	22.86	22.47		24.0	0.0	
20	PI2 BPSK	50	50	22.87	22.45	22.41	24.0	0.0	
20	PI2 BPSK	100	0	22.88	22.48	22.42		0.0	
20	QPSK	1	1	22.86	22.46	22.37			
20	QPSK	1	50	22.81	22.57	22.42	24.0	0.0	
20	QPSK	1	104	22.88	22.59	22.42			
20	QPSK	50	0	22.82	22.47	22.37	24.0	0.0	
20	QPSK	50	26	22.86	22.57	22.37	24.0	0.0	
20	QPSK	50	50	22.83	22.53	22.39	24.0	0.0	
20	QPSK	100	0	22.86	22.53	22.39			
20	16QAM	1	1	22.80	22.50	22.30	24.0	0.0	
20	16QAM	1	1	20.84	20.49	20.11	24.0	0.0	
20	16QAM	1	1	18.45	18.02	17.75	21.0	4.5	
Channel									
Frequency (MHz)				371500	371600	381500	Tune-up band (dBm)	MPH (dB)	
15	PI2 BPSK	1	1	22.86	22.38	22.51	24.0	0.0	
Channel									
Frequency (MHz)				371000	371500	382000	Tune-up band (dBm)	MPH (dB)	
10	PI2 BPSK	1	1	22.78	22.63	22.28	24.0	0.0	
Channel									
Frequency (MHz)				371500	371600	382000	Tune-up band (dBm)	MPH (dB)	
5	PI2 BPSK	1	1	22.80	22.41	22.55	24.0	0.0	



n26_Ant 0									
DW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 164000	Power Main Ch./Freq. 165000	Power High Ch./Freq. 167000	Tune-up freq. (dB)	MPR (dB)	
Channel									
Frequency [MHz]									
26	P1/2 BPSK	1	0	24.85	24.81	24.83			
20	P1/2 BPSK	1	53	24.52	24.50	24.51	26.0	0.0	
20	P1/2 BPSK	1	104	24.57	24.56	24.54			
20	P1/2 BPSK	50	0	24.53	24.51	24.48	25.5	0.5	
20	P1/2 BPSK	50	26	24.52	24.50	24.50	26.0	0.0	
20	P1/2 BPSK	100	0	24.52	24.50	24.50	26.0	0.0	
20	QPSK	1	1	24.76	24.62	24.74			
20	QPSK	1	53	24.57	24.53	24.55	26.0	0.0	
20	QPSK	1	104	24.60	24.59	24.58			
20	QPSK	50	0	23.09	24.02	24.00	25.0	1.0	
20	QPSK	50	26	24.53	24.54	24.51	26.0	0.0	
20	QPSK	50	50	23.06	24.04	23.99	25.0	1.0	
20	QPSK	100	0	24.07	24.03	24.01			
20	16QAM	1	1	24.25	24.33	23.91	25.0	1.0	
20	16QAM	1	1	24.81	24.74	24.79	25.0	2.5	
20	256QAM	1	1	20.55	20.60	20.58	21.5	4.5	
Channel									
Frequency [MHz]									
15	P1/2 BPSK	1	1	24.53	24.54	24.57	26.0	0.0	
Channel									
Frequency [MHz]									
10	P1/2 BPSK	1	1	24.51	24.51	24.48	26.0	0.0	
Channel									
Frequency [MHz]									
5	P1/2 BPSK	1	1	24.46	24.51	24.50	26.0	0.0	

n26_Ant 2									
DW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 164000	Power Main Ch./Freq. 165000	Power High Ch./Freq. 167000	Tune-up freq. (dB)	MPR (dB)	
Channel									
Frequency [MHz]									
26	P1/2 BPSK	1	1	22.12	22.16	22.14			
20	P1/2 BPSK	1	53	22.04	22.09	22.13	23.5	0.0	
20	P1/2 BPSK	1	104	21.98	22.02	22.03			
20	P1/2 BPSK	50	0	22.00	22.11	21.97	23.5	0.0	
20	P1/2 BPSK	50	26	22.05	22.04	21.96	23.5	0.0	
20	P1/2 BPSK	100	0	22.04	22.11	22.07	23.5	0.0	
20	QPSK	1	1	22.14	22.16	22.14			
20	QPSK	1	53	22.05	22.09	22.12	23.5	0.0	
20	QPSK	1	104	22.06	22.05	22.09			
20	QPSK	50	0	21.09	22.02	22.02	23.5	0.0	
20	QPSK	50	26	22.01	22.04	22.06	23.5	0.0	
20	QPSK	50	50	22.02	21.91	21.91	23.5	0.0	
20	QPSK	100	0	22.04	22.05	22.02			
20	16QAM	1	1	21.99	22.03	21.96	23.5	0.0	
20	16QAM	1	1	24.01	24.00	24.00	23.5	0.0	
20	256QAM	1	1	20.72	20.68	20.67	22.0	1.0	
Channel									
Frequency [MHz]									
15	P1/2 BPSK	1	1	22.09	22.02	22.08	23.5	0.0	
Channel									
Frequency [MHz]									
10	P1/2 BPSK	1	1	22.18	22.16	22.12	23.5	0.0	
Channel									
Frequency [MHz]									
5	P1/2 BPSK	1	1	22.15	22.03	22.10	23.5	0.0	

n66_Ant 1									
DW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 344000	Power Main Ch./Freq. 345000	Power High Ch./Freq. 352000	Tune-up freq. (dB)	MPR (dB)	
Channel									
Frequency [MHz]									
40	P1/2 BPSK	1	1	25.01	24.95	24.90			
40	P1/2 BPSK	1	106	24.91	24.86	24.89	26.0	0.0	
40	P1/2 BPSK	1	214	24.86	24.82	24.86			
40	P1/2 BPSK	100	0	24.91	24.91	24.93	25.5	0.5	
40	P1/2 BPSK	100	54	24.97	24.97	24.98	26.0	0.0	
40	P1/2 BPSK	100	106	24.95	24.97	24.98	26.0	0.0	
40	P1/2 BPSK	210	0	24.93	24.90	24.97	26.0	0.0	
40	QPSK	1	1	24.96	24.99	24.95			
40	QPSK	1	106	24.93	24.97	24.93	26.0	0.0	
40	QPSK	1	214	24.94	24.89	24.94			
40	QPSK	100	0	24.91	24.97	24.98	25.0	1.0	
40	QPSK	100	54	24.93	24.98	24.95	26.0	0.0	
40	QPSK	100	106	24.97	24.94	24.95	25.0	1.0	
40	QPSK	210	0	24.97	24.96	24.95			
40	16QAM	1	1	24.74	24.69	24.69	25.0	1.0	
40	16QAM	1	1	24.74	24.69	24.69	25.0	1.0	
40	16QAM	1	1	25.14	25.07	25.06	25.5	2.5	
40	256QAM	1	1	20.95	20.95	20.95	21.5	4.5	
Channel									
Frequency [MHz]									
30	P1/2 BPSK	0	1	24.89	24.89	24.89	26.0	0.0	
Channel									
Frequency [MHz]									
15	P1/2 BPSK	1	1	24.92	24.89	24.84	26.0	0.0	
Channel									
Frequency [MHz]									
10	P1/2 BPSK	1	1	24.89	24.77	24.82	26.0	0.0	
Channel									
Frequency [MHz]									
5	P1/2 BPSK	1	1	24.90	24.83	24.87	26.0	0.0	

n66_Ant 2									
DW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 344000	Power Main Ch./Freq. 345000	Power High Ch./Freq. 352000	Tune-up freq. (dB)	MPR (dB)	
Channel									
Frequency [MHz]									
40	P1/2 BPSK	1	1	25.01	24.95	24.90			
40	P1/2 BPSK	1	106	24.91	24.86	24.86	26.0	0.0	
40	P1/2 BPSK	1	214	24.86	24.82	24.86			
40	P1/2 BPSK	100	0	24.91	24.91	24.93	25.5	0.5	
40	P1/2 BPSK	100	54	24.97	24.97	24.98	26.0	0.0	
40	P1/2 BPSK	100	106	24.95	24.97	24.97	26.0	0.0	
40	P1/2 BPSK	210	0	24.93	24.90	24.97	26.0	0.0	
40	QPSK	1	1	24.96	24.99	24.95			
40	QPSK	1	106	24.93	24.97	24.93	26.0	0.0	
40	QPSK	1	214	24.94	24.89	24.94			
40	QPSK	100	0	24.91	24.97	24.98	25.0	1.0	
40	QPSK	100	54	24.93	24.98	24.95	26.0	0.0	
40	QPSK	100	106	24.97	24.94	24.95	25.0	1.0	
40	QPSK	210	0	24.97	24.96	24.95			
40	16QAM	1	1	24.74	24.64	24.69	25.0	1.0	
40	16QAM	1	1	25.12	25.07	25.06	25.5	2.5	
40	256QAM	1	1	20.95	20.95	20.95	21.5	4.5	
Channel									
Frequency [MHz]									
30	P1/2 BPSK	1	1	24.98	24.85	24.89	26.0	0.0	
Channel									
Frequency [MHz]									
15	P1/2 BPSK	1	1	24.92	24.85	24.84	26.0	0.0	
Channel									
Frequency [MHz]									
10	P1/2 BPSK	1	1	24.89	24.77	24.82	26.0	0.0	
Channel									
Frequency [MHz]									
5	P1/2 BPSK	1	1	24.92	24.85	24.87	26.0	0.0	

n71_Ant 0							
RF [MHz]	Modulation	RF Size	RF Offset	Power Line Ch. F/Freq.	Power Main Ch. F/Freq.	Power Tgt. Ch. F/Freq.	Turn-up time (min)
Channel				87.5	866.5	866	
Frequency [MHz]				24.52	24.57	24.54	
20	P112 BPSK	1	1	24.52	24.56	24.52	20.0
20	P112 BPSK	1	63	24.52	24.56	24.52	20.0
20	P112 BPSK	1	104	24.52	24.55	24.55	20.0
20	P112 BPSK	50	0	24.52	24.64	24.21	20.0
20	P112 BPSK	50	56	24.52	24.56	24.56	20.0
20	P112 BPSK	50	96	24.52	24.54	23.98	20.0
20	P112 BPSK	100	0	24.61	24.65	24.10	20.0
20	QPSK	1	1	24.52	24.63	24.63	20.0
20	QPSK	1	63	24.52	24.63	24.63	20.0
20	QPSK	1	104	24.52	24.13	24.07	20.0
20	QPSK	50	0	24.00	24.15	24.00	20.0
20	QPSK	50	28	24.50	24.64	24.08	20.0
20	QPSK	50	56	24.10	23.70	23.07	20.0
20	QPSK	100	0	24.10	24.07	23.10	20.0
20	16QAM	1	1	24.20	24.30	24.44	20.0
20	16QAM	1	1	24.71	24.66	24.66	20.0
20	256QAM	1	1	20.45	20.50	20.55	20.0
Channel				134100	138100	138100	Turn-up time (min)
Frequency [MHz]				13410	13810	13810	
15	P112 BPSK	1	1	24.52	24.56	24.47	20.0
Channel				133000	138100	138000	Turn-up time (min)
Frequency [MHz]				13300	13810	13810	
10	P112 BPSK	1	1	24.47	24.09	24.44	20.0
Channel				133100	138100	138100	Turn-up time (min)
Frequency [MHz]				13310	13810	13810	
5	P112 BPSK	1	1	24.49	24.57	24.42	20.0

n71_Ant 2							
RF [MHz]	Modulation	RF Size	RF Offset	Power Line Ch. F/Freq.	Power Main Ch. F/Freq.	Power Tgt. Ch. F/Freq.	Turn-up time (min)
Channel				87.5	866.5	866	
Frequency [MHz]				24.52	24.57	24.54	
20	P112 BPSK	1	1	24.52	24.56	24.52	20.0
20	P112 BPSK	1	63	24.52	24.65	24.52	20.0
20	P112 BPSK	1	104	24.52	24.13	24.05	20.0
20	P112 BPSK	50	0	24.52	24.64	24.21	20.0
20	P112 BPSK	50	56	24.52	24.56	24.56	20.0
20	P112 BPSK	50	96	24.52	24.54	23.98	20.0
20	P112 BPSK	100	0	24.61	24.65	24.10	20.0
20	QPSK	1	1	24.52	24.63	24.63	20.0
20	QPSK	1	63	24.52	24.63	24.63	20.0
20	QPSK	1	104	24.52	24.13	24.07	20.0
20	QPSK	50	0	24.00	24.15	24.00	20.0
20	QPSK	50	28	24.50	24.64	24.08	20.0
20	QPSK	50	56	24.10	23.70	23.07	20.0
20	QPSK	100	0	24.10	24.07	23.10	20.0
20	16QAM	1	1	24.20	24.30	24.44	20.0
20	16QAM	1	1	24.71	24.66	24.66	20.0
20	256QAM	1	1	20.45	20.50	20.55	20.0
Channel				134100	138100	138100	Turn-up time (min)
Frequency [MHz]				13410	13810	13810	
15	P112 BPSK	1	1	24.52	24.56	24.47	20.0
Channel				133000	138100	138000	Turn-up time (min)
Frequency [MHz]				13300	13810	13810	
10	P112 BPSK	1	1	24.47	24.09	24.44	20.0
Channel				133100	138100	138100	Turn-up time (min)
Frequency [MHz]				13310	13810	13810	
5	P112 BPSK	1	1	24.49	24.57	24.42	20.0



n38_Ant 1									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up time (min)	MPE (dB)	
Channel									
Frequency [MHz]				2590.02	2590	2590.98			
40	P12 BPSK	1	1	24.00	24.03	24.06			
40	P12 BPSK	1	53	24.09	24.05	24.48	20.0	0.0	
40	P12 BPSK	1	104	24.34	24.32	24.48			
40	P12 BPSK	50	3	24.46	24.47	24.48	25.0	0.0	
40	P12 BPSK	50	28	24.51	24.54	24.52	26.0	0.0	
40	P12 BPSK	50	58	24.47	24.48	24.49	25.0	0.8	
40	P12 BPSK	100	0	24.00	24.02	24.61			
40	QPSK	1	1	24.01	24.00	24.58			
40	QPSK	1	53	24.02	24.01	24.32	20.0	0.0	
40	QPSK	1	104	24.09	24.04	24.52			
40	QPSK	50	0	24.04	24.01	24.37			
40	QPSK	50	28	24.01	24.00	24.53	20.0	0.0	
40	QPSK	50	58	24.32	24.32	24.52			
40	QPSK	100	0	24.04	24.42	24.42	25.0	1.0	
40	SSB-GM	1	1	24.42	24.41	24.43	25.0	1.0	
40	SSB-GM	1	1	25.01	25.00	25.03	25.0	2.5	
40	SSB-GM	1	1	26.01	26.00	26.04	21.0	4.0	
Channel									
30	P12 BPSK	1	1	24.06	24.00	24.61	20.0	0.0	
Channel									
Frequency [MHz]				2590	2590	2590.98			
20	P12 BPSK	1	1	24.02	24.09	24.61	20.0	0.0	
Channel									
Frequency [MHz]				2577.51	2590	2612.49			
15	P12 BPSK	1	1	24.06	24.00	24.50	20.0	0.0	
Channel									
Frequency [MHz]				2570.02	2590	2614.98			
10	P12 BPSK	1	1	24.40	24.00	24.51	20.0	0.0	

n38_Ant 2									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up time (min)	MPE (dB)	
Channel									
Frequency [MHz]									
40	P12 BPSK	1	1	15.22	15.20	15.23			
40	P12 BPSK	1	53	15.22	15.24	15.19	16.5		0.0
40	P12 BPSK	1	104	14.48	15.08	14.86			
40	P12 BPSK	50	1	15.15	15.14	15.07	16.9		0.0
40	P12 BPSK	50	26	15.15	15.20	15.25	16.5		0.0
40	P12 BPSK	50	56	15.13	15.13	15.08	16.5		0.0
40	P12 BPSK	100	0	15.07	15.08	15.17			
40	QPSK	1	1	15.02	15.21	15.21	16.5		0.0
40	QPSK	1	53	15.08	15.20	15.27			
40	QPSK	1	104	15.10	15.21	15.32			
40	QPSK	50	0	15.20	15.16	15.18			0.0
40	QPSK	50	26	15.16	15.16	15.16	16.5		0.0
40	QPSK	50	56	15.15	15.15	15.15			
40	QPSK	100	0	15.17	15.17	15.17	16.5		0.0
40	SSB-GM	1	1	15.20	15.20	15.20	16.9		0.0
40	SSB-GM	1	1	15.22	15.22	15.22	16.5		0.0
40	SSB-GM	1	1	15.22	15.42	16.22	16.9		0.0
Channel									
Frequency [MHz]									
30	P12 BPSK	1	1	15.10	15.25	15.19	16.9		0.0
Channel									
Frequency [MHz]									
20	P12 BPSK	1	1	15.10	15.21	15.14	16.5		0.0
Channel									
Frequency [MHz]									
15	P12 BPSK	1	1	15.10	15.20	15.22	16.5		0.0
Channel									
Frequency [MHz]									
10	P12 BPSK	1	1	15.00	15.02	15.03	16.9		0.0

n41_Ant 7									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up time (min)	MPE (dB)	
Channel									
Frequency [MHz]				509002	518998	530002			
100	P12 BPSK	1	1	16.38	16.28	16.12			
100	P12 BPSK	1	137	16.17	16.11	16.03	18.0	0.0	
100	P12 BPSK	1	271	16.30	16.27	16.10			
100	P12 BPSK	150	0	16.22	16.16	16.08	18.0	0.0	
100	P12 BPSK	150	80	16.33	16.20	16.12	18.0	0.0	
100	P12 BPSK	150	136	16.15	16.20	16.13	18.0	0.0	
100	P12 BPSK	210	0	16.32	16.20	16.12			
100	QPSK	1	1	16.25	16.20	16.30			
100	QPSK	1	137	16.14	16.16	16.09	18.0	0.0	
100	QPSK	1	271	16.20	16.20	16.09			
100	QPSK	150	0	16.26	16.18	16.17			
100	QPSK	150	80	16.19	16.17	16.17	18.0	0.0	
100	QPSK	150	136	16.17	16.21	16.19			
100	QPSK	210	0	16.10	16.10	16.10	18.0	0.0	
100	SSB-GM	1	1	16.30	16.30	16.27	18.0	0.0	
100	SSB-GM	1	1	16.28	16.35	16.32	18.0	0.0	
Channel									
Frequency [MHz]				509000	518998	530000	16.0	0.0	
50	P12 BPSK	1	1	16.41	16.30	16.24	18.0	0.0	
50	P12 BPSK	1	1	16.34	16.23	16.13	19.0	0.0	
Channel									
Frequency [MHz]				517000	518998	519000	16.0	0.0	
40	P12 BPSK	1	1	16.26	16.20	16.19	18.0	0.0	
40	P12 BPSK	1	1	16.30	16.20	16.09	19.0	0.0	
Channel									
Frequency [MHz]				509002	518998	530000	16.0	0.0	
70	P12 BPSK	1	1	16.23	16.15	16.07	18.0	0.0	
Channel									
Frequency [MHz]				509000	518998	530000	16.0	0.0	
60	P12 BPSK	1	1	16.20	16.30	16.10	18.0	0.0	
Channel									
Frequency [MHz]				509000	518998	530000	16.0	0.0	
40	P12 BPSK	1	1	16.23	16.19	16.17	18.0	0.0	
Channel									
Frequency [MHz]				509000	518998	530000	16.0	0.0	
30	P12 BPSK	1	1	16.18	16.27	16.16	18.0	0.0	
Channel									
Frequency [MHz]				501200	518998	534996	16.0	0.0	
20	P12 BPSK	1	1	16.34	16.34	16.20	18.0	0.0	

n41(HPUe)_Ant 7									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Turn-on time (min)	MPE (dB)	
Channel									
Frequency [MHz]				2594.01	2592.99	2594			
100	P12 BPSK	1	1	16.30	16.25	16.37			
100	P12 BPSK	1	137	16.17	16.11	16.23	18.0	0.0	
100	P12 BPSK	1	271	16.30	16.27	16.10			
100	P12 BPSK	150	0	16.42	16.16	16.09	18.0	0.0	
100	P12 BPSK	150	80	16.35	16.15	16.15	18.0	0.0	
100	P12 BPSK	150	136	16.15	16.20	16.13	18.0	0.0	
100	P12 BPSK	210	0	16.33	16.20	16.14			
100	QPSK	1	1	16.25	16.20	16.30			
100	QPSK	1	137	16.14	16.16	16.09	18.0	0.0	
100	QPSK	1	271	16.20	16.20	16.09			
100	QPSK	150	0	16.26	16.18	16.17			
100	QPSK	150	80	16.17	16.14	16.19	18.0	0.0	
100	QPSK	150	136	16.17	16.21	16.19			
100	QPSK	210	0	16.36	16.25	16.24	18.0	0.0	
100	BQAM	1	1	16.30	16.38	16.27			
100	BQAM	1	137	16.15	16.15	16.15	18.0	0.0	
100	BQAM	1	271	16.30	16.30	16.30			
100	BQAM	150	0	16.42	16.30	16.29	18.0	0.0	
100	BQAM	150	80	16.32	16.16	16.15	18.0	0.0	
100	BQAM	150	136	16.15	16.20	16.13	18.0	0.0	
100	BQAM	210	0	16.33	16.20	16.14			
50	P12 BPSK	1	1	16.32	16.26	16.38			
50	P12 BPSK	1	137	16.19	16.13	16.25	18.0	0.0	
50	P12 BPSK	1	271	16.32	16.29	16.12			
50	P12 BPSK	150	0	16.44	16.18	16.11	18.0	0.0	
50	P12 BPSK	150	80	16.37	16.17	16.17	18.0	0.0	
50	P12 BPSK	150	136	16.17	16.22	16.15	18.0	0.0	
50	P12 BPSK	210	0	16.35	16.22	16.16			
50	QPSK	1	1	16.27	16.22	16.31			
50	QPSK	1	137	16.16	16.18	16.11	18.0	0.0	
50	QPSK	1	271	16.30	16.28	16.11			
50	QPSK	150	0	16.42	16.34	16.25	18.0	0.0	

n41_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mid Ch. (Freq.)	Power High Ch. (Freq.)	Turnup time (sec)	MFR (dB)	
Channel									
Frequency (MHz)				3580.00	3580.00	3580.00			
				3580.01	3580.00	3580.01			
100	P12 BPSK	1	1	24.43	24.50	24.53			
100	P12 BPSK	1	137	24.38	24.50	24.53	20.0	0.0	
100	P12 BPSK	1	273	24.40	24.52	24.51			
100	P12 BPSK	135	0	24.50	24.50	24.50	20.0	0.0	
100	P12 BPSK	135	66	24.42	24.50	24.50	20.0	0.0	
100	P12 BPSK	135	134	24.75	24.50	24.52	20.0	0.0	
100	P12 BPSK	270	0	24.50	24.50	24.50	20.0	0.0	
100	QPSK	1	1	24.73	24.50	24.50			
100	QPSK	1	137	24.41	24.52	24.52	20.0	0.0	
100	QPSK	1	273	24.39	24.52	24.52			
100	QPSK	135	0	24.40	24.52	24.52			
100	QPSK	135	66	24.38	24.50	24.51	20.0	0.0	
100	QPSK	135	134	24.70	24.50	24.50	20.0	0.0	
100	QPSK	270	0	24.42	24.50	24.54	20.0	0.0	
100	16QAM	1	1	24.50	24.52	24.51	20.0	0.0	
100	256QAM	1	1	23.60	23.50	23.10	2.0		
100	256QAM	1	1	27.40	27.12	27.04	23.0		
Channel									
Frequency (MHz)				3540.00	3540.00	3540.00			
				3540.01	3540.00	3540.01			
50	P12 BPSK	1	1	24.70	24.50	24.10	20.0	0.0	
Channel									
Frequency (MHz)				3570.00	3570.00	3570.00			
				3570.02	3570.00	3570.01			
80	P12 BPSK	1	1	24.10	24.00	24.10	20.0	0.0	
Channel									
Frequency (MHz)				3570.01	3570.00	3570.01			
				3570.01	3570.00	3570.01			
70	P12 BPSK	1	1	24.70	24.10	24.10	20.0	0.0	
Channel									
Frequency (MHz)				3570.00	3570.00	3570.00			
				3570.00	3570.00	3570.00			
80	P12 BPSK	1	1	24.42	24.10	24.10	27.0	0.0	
Channel									
Frequency (MHz)				5340.04	5380.00	5380.00			MFR
				5340.04	5380.00	5380.00			MFR
50	Frequency (MHz)			712.00	704.00	704.00			MFR
50	P12 BPSK	1	1	24.41	24.10	24.10	20.0	0.0	
Channel									
Frequency (MHz)				5330.00	5380.00	5340.00			MFR
				5330.01	5380.00	5340.00			MFR
40	P12 BPSK	1	1	24.73	24.10	24.42	20.0	0.0	
Channel									
Frequency (MHz)				5320.00	5380.00	5340.00			MFR
				5320.00	5380.00	5340.00			MFR
30	P12 BPSK	1	1	24.35	24.24	24.32	20.0	0.0	
Channel									
Frequency (MHz)				5310.04	5380.00	5380.00			MFR
				5310.04	5380.00	5380.00			MFR
20	P12 BPSK	1	1	24.30	24.37	24.20	20.0	0.0	

n41(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mid Ch. (Freq.)	Power High Ch. (Freq.)	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)				5360.02	5380.00	5380.00			
				5360.01	5380.00	5380.01			
100	P12 BPSK	1	1	25.00	25.00	25.00			
100	P12 BPSK	1	137	25.30	25.00	25.00	27.5	0.0	
100	P12 BPSK	1	273	25.70	25.00	25.00			
100	P12 BPSK	135	0	25.00	25.00	25.01	27.0	0.0	
100	P12 BPSK	135	66	25.00	25.01	25.01	27.5	0.0	
100	P12 BPSK	135	134	25.10	25.00	25.04	27.0	0.0	
100	P12 BPSK	270	0	25.00	25.00	25.01	27.5	0.0	
100	QPSK	1	1	25.02	25.02	25.00			
100	QPSK	1	137	25.00	25.00	25.02	27.5	0.0	
100	QPSK	1	273	25.70	25.02	25.00			
100	QPSK	135	0	24.90	24.90	24.90			
100	QPSK	135	66	25.00	25.00	25.02	27.5	0.0	
100	QPSK	135	134	24.97	24.92	24.97			
100	QPSK	270	0	24.70	24.92	24.94	26.0	1.0	
100	16QAM	1	1	25.11	24.90	24.90	20.0	1.0	
100	256QAM	1	1	27.40	27.17	27.02	23.0	4.0	
Channel									
Frequency (MHz)				5340.04	5380.00	5380.00			MFR
				5340.01	5380.00	5380.01			MFR
50	P12 BPSK	1	1	25.00	25.04	25.00	27.0	0.0	
Channel									
Frequency (MHz)				5370.00	5370.00	5370.00			MFR
				5370.02	5370.00	5370.00			MFR
80	P12 BPSK	1	1	25.70	25.67	25.65	27.5	0.0	
Channel									
Frequency (MHz)				5370.01	5370.00	5370.01			MFR
				5370.01	5370.00	5370.01			MFR
70	P12 BPSK	1	1	25.00	25.67	25.50	27.0	0.0	
Channel									
Frequency (MHz)				5340.04	5380.00	5380.00			MFR
				5340.04	5380.00	5380.00			MFR
80	P12 BPSK	1	1	24.97	24.93	24.90	27.0	0.0	
Channel									
Frequency (MHz)				5330.00	5380.00	5340.00			MFR
				5330.00	5380.00	5340.00			MFR
50	P12 BPSK	1	1	25.70	25.57	25.57	27.0	0.0	
Channel									
Frequency (MHz)				5320.00	5380.00	5340.00			MFR
				5320.00	5380.00	5340.00			MFR
40	P12 BPSK	1	1	25.70	25.50	25.54	27.0	0.0	
Channel									
Frequency (MHz)				5320.00	5380.00	5340.00			MFR
				5320.00	5380.00	5340.00			MFR
30	P12 BPSK	1	1	25.50	25.50	25.60	27.0	0.0	
Channel									
Frequency (MHz)				5310.04	5380.00	5380.00			MFR
				5310.04	5380.00	5380.00			MFR
20	P12 BPSK	1	1	25.70	25.60	25.57	27.0	0.0	

n48_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mid Ch. (Freq.)	Power High Ch. (Freq.)	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)				3070	3024.00	3070.00			
40	P12 BPSK	1	1	10.20	10.20	10.24			
40	P12 BPSK	1	83	10.13	10.10	10.10	20.0	0.0	
40	P12 BPSK	1	104	10.22	10.20	10.10			
40	P12 BPSK	50	0	10.42	10.14	10.17	20.0	0.0	
40	P12 BPSK	50	20	10.20	10.01	10.01	20.0	0.0	
40	P12 BPSK	50	50	10.10	10.10	10.11	20.0	0.0	
40	P12 BPSK	100	0	10.21	10.10	10.20	20.0	0.0	
40	QPSK	1	1	10.12	10.00	10.04			
40	QPSK	1	83	10.10	10.17	10.10	20.0	0.0	
40	QPSK	1	104	10.20	10.20	10.10			
40	QPSK	50	0	10.20	10.20	10.20	20.0	0.0	
40	QPSK	50	20	10.20	10.10	10.20	20.0	0.0	
40	QPSK	50	50	10.20	10.22	10.10			
40	QPSK	100	0	10.10	10.17	10.00	20.0	0.0	
40	16QAM	1	1	10.21	10.24	10.10	20.0	0.0	
40	16QAM	1	1	10.10	10.10	10.20	20.0	0.0	
40	256QAM	1	1	10.11	10.01	10.00	10.0	1.0	
Channel									
Frequency (MHz)				3070.04	3024.00	3070.00			MFR
				3070.04	3024.00	3070.00			MFR
20	P12 BPSK	1	1	10.20	10.10	10.20	20.0	0.0	
Channel									
Frequency (MHz)				3060.01	3024.00	3060.00			MFR
				3060.01	3024.00	3060.00			MFR
10	P12 BPSK	1	1	10.22	10.20	10.20	20.0	0.0	

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n48_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Main Ch. F/Freq.	Power High Ch. F/Freq.	Turn-up time (dB)	MFR	
Channel									
Frequency (MHz)				33.70	3624.90	3679.80			
40	P12 BPSK	1	1	24.45	24.45	24.45			
40	P12 BPSK	1	53	24.45	24.38	24.27	20.0	0.0	
40	P12 BPSK	1	104	24.33	24.43	24.32			
40	P12 BPSK	50	5	24.43	24.34	24.30	25.0	0.0	
40	P12 BPSK	50	26	24.43	24.35	24.31	25.0	0.0	
40	P12 BPSK	50	56	24.45	24.30	24.22	25.0	0.5	
40	P12 BPSK	100	0	24.45	24.30	24.20			
40	QPSK	1	1	24.54	24.38	24.41			
40	QPSK	1	53	24.53	24.31	24.34	20.0	0.0	
40	QPSK	1	104	24.54	24.52	24.50			
40	QPSK	50	0	23.94	23.78	23.80			
40	QPSK	50	26	24.43	24.25	24.27	20.0	0.0	
40	QPSK	50	56	23.92	23.75	23.81			
40	QPSK	100	0	23.93	23.76	23.72	25.0	1.0	
40	16QAM	1	1	24.60	24.61	24.60	25.0	1.0	
40	16QAM	1	1	22.52	22.46	22.50	25.0	2.5	
40	256QAM	1	1	20.47	20.33	20.35	21.0	4.0	
Channel									
Frequency (MHz)				43.724	45.990	46.990			
20	P12 BPSK	1	1	24.51	24.44	24.29	20.0	0.0	
Channel									
Frequency (MHz)				43.720	45.990	46.990			
10	P12 BPSK	1	1	24.45	24.34	24.25	20.0	0.0	

n48_Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Main Ch. F/Freq.	Power High Ch. F/Freq.	Turn-up [ms]	MFR	
Channel									
Frequency [MHz]				33.7000	3624.90	3679.80			
40	P12 BPSK	1	1	24.45	24.45	24.45			
40	P12 BPSK	1	53	24.45	24.28	24.27	20.0	0.0	
40	P12 BPSK	1	104	24.50	24.43	24.32			
40	P12 BPSK	50	5	24.43	24.34	24.30	25.0	0.5	
40	P12 BPSK	50	26	24.43	24.35	24.31	20.0	0.0	
40	P12 BPSK	50	56	24.45	24.30	24.22	25.0	0.5	
40	P12 BPSK	100	0	24.45	24.30	24.20			
40	QPSK	1	1	24.54	24.38	24.41			
40	QPSK	1	53	24.53	24.31	24.34	20.0	0.0	
40	QPSK	1	104	24.54	24.52	24.50			
40	QPSK	50	0	23.94	23.76	23.80			
40	QPSK	50	26	24.43	24.25	24.27	20.0	0.0	
40	QPSK	50	56	23.92	23.75	23.81			
40	QPSK	100	0	23.93	23.76	23.72	25.0	1.0	
40	16QAM	1	1	24.60	24.61	24.60	25.0	1.0	
40	16QAM	1	1	22.52	22.46	22.50	25.0	2.5	
40	256QAM	1	1	20.47	20.33	20.35	21.0	4.0	
Channel									
Frequency [MHz]				43.724	45.990	47.990			
20	P12 BPSK	1	1	24.51	24.44	24.29	20.0	0.0	
Channel									
Frequency [MHz]				43.720	45.990	47.990			
10	P12 BPSK	1	1	24.45	24.34	24.25	20.0	0.0	

Part270_n77_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Main Ch. F/Freq.	Power High Ch. F/Freq.	Turn-up [ms]	MFR [dB]	
Channel									
Frequency [MHz]				3790	3640	3630			
100	P12 BPSK	1	1	18.81	18.83	18.83			
100	P12 BPSK	1	137	18.48	18.48	18.50	20.0	0.0	
100	P12 BPSK	1	271	18.37	18.47	18.54			
100	P12 BPSK	135	0	18.83	18.48	18.45	20.0	0.0	
100	P12 BPSK	135	80	18.85	18.51	18.51	20.0	0.0	
100	P12 BPSK	135	136	18.37	18.39	18.47	20.0	0.0	
100	P12 BPSK	270	0	18.84	18.49	18.50			
100	QPSK	1	1	18.81	18.55	18.54			
100	QPSK	1	137	18.58	18.52	18.58	20.0	0.0	
100	QPSK	1	271	18.48	18.52	18.53			
100	QPSK	135	0	18.50	18.50	18.50			
100	QPSK	135	80	18.52	18.51	18.54	20.0	0.0	
100	QPSK	135	136	18.54	18.42	18.51			
100	QPSK	270	0	18.45	18.49	18.50	20.0	0.0	
100	16QAM	1	1	18.71	18.77	18.82	20.0	0.0	
100	16QAM	1	1	18.57	18.67	18.64	20.0	0.0	
100	256QAM	1	1	18.44	18.50	18.59	20.0	0.0	
Channel									
Frequency [MHz]				3745.00	3640	3634.98			
50	P12 BPSK	1	1	18.69	18.47	18.49	20.0	0.0	
Channel									
Frequency [MHz]				3740.01	3640	3634.98			
80	P12 BPSK	1	1	18.55	18.47	18.50	20.0	0.0	
Channel									
Frequency [MHz]				3735	3640	3641			
70	P12 BPSK	1	1	18.58	18.75	18.40	20.0	0.0	
Channel									
Frequency [MHz]				3730.02	3640	3640.98			
60	P12 BPSK	1	1	18.47	18.48	18.51	20.0	0.0	
Channel									
Frequency [MHz]				368334	366000	363866	1ms=0	0.0	
50	P12 BPSK	1	1	37.23	3640	3594.99	1ms=0	0.0	
Channel									
Frequency [MHz]				368000	366000	364000	1ms=0	0.0	
40	P12 BPSK	1	1	37.23	3640	3594	1ms=0	0.0	
Channel									
Frequency [MHz]				367700	366000	364700	20.0	0.0	
Channel									
Frequency [MHz]				367600	366000	364600	1ms=0	0.0	
30	P12 BPSK	1	1	18.57	18.49	18.40	20.0	0.0	
Channel									
Frequency [MHz]				367334	366000	364866	1ms=0	0.0	
Channel									
Frequency [MHz]				367100	366000	364800	1ms=0	0.0	
20	P12 BPSK	1	1	18.84	18.49	18.51	20.0	0.0	
Channel									
Frequency [MHz]				367168	366000	364832	1ms=0	0.0	
Channel									
Frequency [MHz]				367000	366000	364666	1ms=0	0.0	
15	P12 BPSK	1	1	18.55	18.72	18.59	20.0	0.0	
Channel									
Frequency [MHz]				367000	366000	364600	1ms=0	0.0	
10	P12 BPSK	1	1	18.78	18.75	18.46	20.0	0.0	

Part270_n77(HPUe)_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Main Ch. F/Freq.	Power High Ch. F/Freq.	Turn-up [ms]	MFR [dB]	
Channel									
Frequency [MHz]				3790	3640	3630			
100	P12 BPSK	1	1	18.81	18.83	18.83			
100	P12 BPSK	1	137	18.48	18.48	18.50	20.0	0.0	
100	P12 BPSK	1	271	18.37	18.47	18.54			
100	P12 BPSK	135	0	18.83	18.48	18.45	20.0	0.0	
100	P12 BPSK	135	80	18.85	18.51	18.51	20.0	0.0	
100	P12 BPSK	135	136	18.37	18.39	18.47	20.0	0.0	
100	P12 BPSK	270	0	18.84	18.49	18.50			
100	QPSK	1	1	18.81	18.55	18.54			
100	QPSK	1	137	18.58	18.52	18.58	20.0	0.0	
100	QPSK	1	271	18.48	18.52	18.53			
100	QPSK	135	0	18.50	18.50	18.50			
100	QPSK	135	80	18.52	18.51	18.54	20.0	0.0	
100	QPSK	135	136	18.54	18.42	18.51			
100	QPSK	270	0	18.45	18.49	18.50	20.0	0.0	
100	16QAM	1	1	18.71	18.77	18.82	20.0	0.0	
100	16QAM	1	1	18.57	18.67	18.64	20.0	0.0	
100	256QAM	1	1	18.44	18.50	18.59	20.0	0.0	
Channel									
Frequency [MHz]				3745.00	3640	3634.98			
50	P12 BPSK	1	1	18.69	18.47	18.49	20.0	0.0	
Channel									
Frequency [MHz]				3740.01	3640	3634.98			
80	P12 BPSK	1	1	18.55	18.47	18.50	20.0	0.0	
Channel									
Frequency [MHz]				3735	3640	3641			
70	P12 BPSK	1	1	18.73	18.47	18.49	20.0	0.0	
Channel									
Frequency [MHz]				3730	3640	3641			
80	P12 BPSK	1	1	18.68	18.47	18.49	20.0	0.0	
Channel									
Frequency [MHz]				3725	3640	3641			
50	P12 BPSK	1	1	18.74	18.47	18.49	20.0	0.0	
Channel									
Frequency [MHz]				3720	3640	3641			
40	P12 BPSK	1	1	18.80	18.47	18.49	20.0	0.0	
Channel									
Frequency [MHz]				3715	3640	3641			
30	P12 BPSK	1	1	18.87	18.48	18.49	20.0	0.0	
Channel									
Frequency [MHz]				3710	3640	3641			
20	P12 BPSK	1	1	18.93	18.48	18.49	20.0	0.0	
Channel									
Frequency [MHz]				3705	3640	3641			
15	P12 BPSK	1	1	19.02	18.48	18.49	20.0	0.0	
Channel									
Frequency [MHz]				3700	3640	3641			
10	P12 BPSK	1	1	19.08	18.47	18.49	20.0	0.0	

Part270_n77_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turnup time (dB)	MFR (dB)	
Channel									
Frequency [MHz]									
3750 3840 3930									
100	P1/2 BPSK	1	1	21.85	21.85	21.73			
100	P1/2 BPSK	1	137	21.88	21.71	21.69	23.0	0.0	
100	P1/2 BPSK	1	271	21.88	21.70	21.64			
100	P1/2 BPSK	135	6	21.88	21.64	21.61	23.0	0.0	
100	P1/2 BPSK	135	89	21.85	21.61	21.58	23.0	0.0	
100	P1/2 BPSK	135	138	21.71	21.65	21.68	23.0	0.0	
100	P1/2 BPSK	270	0	21.81	21.60	21.60			
100	QPSK	1	1	21.77	21.67	21.57			
100	QPSK	1	137	21.68	21.71	21.58	23.0	0.0	
100	QPSK	1	271	21.81	21.60	21.70			
100	QPSK	135	6	21.80	21.64	21.61			
100	QPSK	135	89	21.75	21.68	21.60	23.0	0.0	
100	QPSK	135	138	21.53	21.60	21.60			
100	QPSK	270	0	21.82	21.61	21.57	23.0	0.0	
100	16QAM	1	1	21.70	21.72	21.65	23.0	0.0	
100	16QAM	1	1	21.75	21.76	21.77	23.0	0.0	
100	256QAM	1	1	21.59	21.62	21.60	23.0	0.0	
Channel									
Frequency [MHz]									
3745.02 3840 3934.98									
50	P1/2 BPSK	1	1	21.88	21.75	21.59	23.0	0.0	
Channel									
Frequency [MHz]									
3743.11 3840 3938.89									
80	P1/2 BPSK	1	1	21.89	21.78	21.48	23.0	0.0	
Channel									
Frequency [MHz]									
3736 3840 3945									
70	P1/2 BPSK	1	1	21.79	21.71	21.52	23.0	0.0	
Channel									
Frequency [MHz]									
3730.02 3845 3945.98									
80	P1/2 BPSK	1	1	21.73	21.74	21.58	23.0	0.0	
Channel									
Frequency [MHz]									
3725.01 3845 3945.98									
80	P1/2 BPSK	1	1	21.76	21.77	21.67	23.0	0.0	
Channel									
Frequency [MHz]									
3720 3845 3945.98									
40	P1/2 BPSK	1	1	21.78	21.72	21.67	23.0	0.0	
Channel									
Frequency [MHz]									
3715.02 3845 3945.98									
30	P1/2 BPSK	1	1	21.75	21.72	21.64	23.0	0.0	
Channel									
Frequency [MHz]									
3710.04 3845 3945.98									
20	P1/2 BPSK	1	1	21.79	21.75	21.67	23.0	0.0	
Channel									
Frequency [MHz]									
3705.02 3845 3945.98									
15	P1/2 BPSK	1	1	21.79	21.71	21.50	23.0	0.0	
Channel									
Frequency [MHz]									
3700 3845 3945.98									
10	P1/2 BPSK	1	1	21.76	21.70	21.58	23.0	0.0	

Part270_n77(HPUe)_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-up [ms]	MFR [dB]	
Channel									
Frequency [MHz]									
3750 3840 3930									
100	P1/2 BPSK	1	1	21.85	21.85	21.73			
100	P1/2 BPSK	1	137	21.88	21.71	21.69	23.0	0.0	
100	P1/2 BPSK	1	271	21.88	21.70	21.64			
100	P1/2 BPSK	135	6	21.88	21.64	21.61	23.0	0.0	
100	P1/2 BPSK	135	89	21.72	21.67	21.60	23.0	0.0	
100	P1/2 BPSK	135	138	21.71	21.65	21.68	23.0	0.0	
100	P1/2 BPSK	270	0	21.80	21.60	21.60			
100	QPSK	1	1	21.77	21.67	21.57			
100	QPSK	1	137	21.68	21.71	21.58	23.0	0.0	
100	QPSK	1	271	21.81	21.60	21.70			
100	QPSK	135	6	21.80	21.64	21.61			
100	QPSK	135	89	21.75	21.68	21.60	23.0	0.0	
100	QPSK	135	138	21.53	21.60	21.60			
100	QPSK	270	0	21.82	21.61	21.57	23.0	0.0	
100	16QAM	1	1	21.70	21.72	21.65	23.0	0.0	
100	256QAM	1	1	21.75	21.76	21.77	23.0	0.0	
100	256QAM	1	1	21.59	21.62	21.60	23.0	0.0	
Channel									
Frequency [MHz]									
3745.02 3840 3934.98									
50	P1/2 BPSK	1	1	21.88	21.75	21.59	23.0	0.0	
Channel									
Frequency [MHz]									
3743.11 3840 3938.89									
80	P1/2 BPSK	1	1	21.89	21.78	21.48	23.0	0.0	
Channel									
Frequency [MHz]									
3736 3840 3945									
70	P1/2 BPSK	1	1	21.79	21.71	21.52	23.0	0.0	
Channel									
Frequency [MHz]									
3730.02 3845 3945.98									
80	P1/2 BPSK	1	1	21.73	21.74	21.58	23.0	0.0	
Channel									
Frequency [MHz]									
3725.01 3845 3945.98									
80	P1/2 BPSK	1	1	21.76	21.77	21.67	23.0	0.0	
Channel									
Frequency [MHz]									
3720 3845 3945.98									
40	P1/2 BPSK	1	1	21.80	21.72	21.67	23.0	0.0	
Channel									
Frequency [MHz]									
3715.02 3845 3945.98									
30	P1/2 BPSK	1	1	21.75	21.72	21.64	23.0	0.0	
Channel									
Frequency [MHz]									
3710.04 3845 3945.98									
20	P1/2 BPSK	1	1	21.79	21.75	21.67	23.0	0.0	
Channel									
Frequency [MHz]									
3705.02 3845 3945.98									
10	P1/2 BPSK	1	1	21.79	21.71	21.50	23.0	0.0	
Channel									
Frequency [MHz]									
3700 3845 3945.98									
10	P1/2 BPSK	1	1	21.76	21.70	21.58	23.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-up [ms]	MFR [dB]	
Channel									
Frequency [MHz]									
3750 3840 3930									
100	P1/2 BPSK	1	1	24.91	24.82	24.72			
100	P1/2 BPSK	1	137	24.90	24.81	24.72	26.0	0.0	
100	P1/2 BPSK	1	271	24.78	24.83	24.72			
100	P1/2 BPSK	135	0	24.48	24.75	24.66	26.0	0.0	
100	P1/2 BPSK	135	66	24.88	24.83	24.72	26.0	0.0	
100	P1/2 BPSK	270	0	24.67	24.82	24.72	26.0	0.0	
100	QPSK	1	1	24.89	24.81	24.69			
100	QPSK	1	137	24.75	24.83	24.78	26.0	0.0	
100	QPSK	1	271	24.77	24.83	24.78			
100	QPSK	135	0	24.66	24.75	24.62	26.0	0.0	
100	QPSK	135	66	24.74	24.72	24.60	26.0	0.0	
100	QPSK	270	0	24.81	24.74	24.71	26.0	0.0	
100	QPSK	270	66	24.67	24.72	24.62	26.0	0.0	
100	SSB4M	1	1	24.56	24.62	24.61	26.0	1.0	
100	SSB4M	1	1	21.96	21.87	21.79	23.0	2.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
20	P1/2 BPSK	1	1	24.68	24.63	24.61	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
40	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
80	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
160	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
320	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
640	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
1280	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
2560	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
5120	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
10240	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
20480	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
40960	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
81920	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
163840	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
327680	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
655360	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
1310720	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
2621440	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
5242880	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
10485760	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
20971520	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
41943040	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
83886080	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
167772160	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
335544320	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
671088640	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
1342177280	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
2684354560	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
5368709120	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
10737418240	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
21474836480	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
42949672960	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
85899347200	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
171798694400	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
343597388800	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
687194777600	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
1374389555200	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
2748779110400	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
5497558220800	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
10995116441600	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
21990232883200	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
43980465766400	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
87960931532800	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
175921863065600	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
351843726131200	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
703687452262400	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
1407374904524800	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
2814749809049600	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
5629499618099200	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
11258999236198400	P1/2 BPSK	1	1	24.68	24.61	24.60	26.0	0.0	
Channel				3750.00	3840.00	3930.00			
Frequency [MHz]				3750.00	3840.00	3930.00			
22517998472396800	P1/2								



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SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPH (dB)	MPH (dB)
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	24.31	24.43	24.73	26.0	0.0	
100	P1/2 BPSK	1	137	24.50	24.61	24.72	26.0	0.0	
100	P1/2 BPSK	1	271	24.76	24.83	24.79	26.0	0.0	
100	P1/2 BPSK	135	66	24.38	24.51	24.77	26.0	0.0	
100	P1/2 BPSK	135	138	24.76	24.78	24.74	26.0	0.0	
100	P1/2 BPSK	270	0	24.67	24.62	24.73	26.0	0.0	
100	QPSK	1	1	24.89	24.81	24.85	26.0	0.0	
100	QPSK	1	137	24.90	24.79	24.72	26.0	0.0	
100	QPSK	1	271	24.77	24.83	24.76	26.0	0.0	
100	QPSK	135	0	24.86	24.75	24.83	26.0	0.0	
100	QPSK	135	66	24.85	24.73	24.77	26.0	0.0	
100	QPSK	135	138	24.74	24.72	24.70	26.0	0.0	
100	QPSK	270	0	24.81	24.74	24.71	26.0	0.0	
100	SSB4M	1	1	24.76	24.67	24.72	26.0	0.0	
100	SSB4M	1	1	24.36	24.62	24.61	26.0	0.0	
100	SSB4M	1	1	21.99	21.87	21.76	26.0	0.0	
Channel									
Frequency (MHz)									
50	P1/2 BPSK	1	1	24.85	24.63	24.61	26.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	24.75	24.61	24.55	26.0	0.0	
Channel									
Frequency (MHz)									
70	P1/2 BPSK	1	1	24.83	24.58	24.55	26.0	0.0	
Channel									
Frequency (MHz)									
60	P1/2 BPSK	1	1	24.72	24.56	24.53	26.0	0.0	
Channel									
Frequency (MHz)									
50	P1/2 BPSK	1	1	24.77	24.55	24.54	26.0	0.0	
Channel									
Frequency (MHz)									
40	P1/2 BPSK	1	1	24.73	24.62	24.54	26.0	0.0	
Channel									
Frequency (MHz)									
30	P1/2 BPSK	1	1	24.70	24.68	24.54	26.0	0.0	
Channel									
Frequency (MHz)									
20	P1/2 BPSK	1	1	24.78	24.60	24.55	26.0	0.0	
Channel									
Frequency (MHz)									
10	P1/2 BPSK	1	1	24.77	24.57	24.58	26.0	0.0	
Channel									
Frequency (MHz)									
15	P1/2 BPSK	1	1	24.85	24.53	24.52	26.0	0.0	

Part270_n77(HPUe)_Ant 10									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MPH (dB)	MPH (dB)
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	26.45	26.34	26.34	27.5	0.0	
100	P1/2 BPSK	1	137	26.35	26.32	26.30	27.5	0.0	
100	P1/2 BPSK	1	271	26.29	26.32	26.29	27.5	0.0	
100	P1/2 BPSK	135	0	26.42	26.34	26.32	27.5	0.0	
100	P1/2 BPSK	135	66	26.38	26.31	26.31	27.5	0.0	
100	P1/2 BPSK	135	138	26.73	26.69	26.73	27.0	0.5	
100	QPSK	1	1	26.42	26.33	26.32	27.5	0.0	
100	QPSK	1	137	26.35	26.24	26.30	27.5	0.0	
100	QPSK	1	271	26.29	26.26	26.30	27.5	0.0	
100	QPSK	135	0	26.38	26.41	26.32	27.5	0.0	
100	QPSK	135	66	26.36	26.37	26.32	27.5	0.0	
100	QPSK	135	138	26.27	26.24	26.24	27.5	0.0	
100	QPSK	270	0	26.27	26.25	26.31	26.5	1.0	
100	SSB4M	1	1	26.31	26.33	26.29	26.5	1.0	
100	SSB4M	1	1	24.69	24.36	24.44	26.5	2.5	
100	SSB4M	1	1	21.99	21.89	21.86	23.0	4.5	
Channel									
Frequency (MHz)									
50	P1/2 BPSK	1	1	26.44	26.34	26.22	27.5	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	26.44	26.17	26.16	27.5	0.0	
Channel									
Frequency (MHz)									
70	P1/2 BPSK	1	1	26.42	26.22	26.22	27.5	0.0	
Channel									
Frequency (MHz)									
60	P1/2 BPSK	1	1	26.42	26.20	26.20	27.5	0.0	
Channel									
Frequency (MHz)									
50	P1/2 BPSK	1	1	26.44	26.34	26.44	27.5	0.0	
Channel									
Frequency (MHz)									
40	P1/2 BPSK	1	1	26.43	26.19	26.21	27.5	0.0	
Channel									
Frequency (MHz)									
30	P1/2 BPSK	1	1	26.52	26.23	26.13	27.5	0.0	
Channel									
Frequency (MHz)									
20	P1/2 BPSK	1	1	26.34	26.18	26.30	27.5	0.0	
Channel									
Frequency (MHz)									
15	P1/2 BPSK	1	1	26.44	26.21	26.18	27.5	0.0	
Channel									
Frequency (MHz)									
10	P1/2 BPSK	1	1	26.42	26.22	26.14	27.5	0.0	

Part270_n78_Ant 7									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Turnup time (min)	MPH (dB)	MPH (dB)
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	18.75	18.75	18.75	20.0	0.0	
100	P1/2 BPSK	1	137	18.75	18.75	18.75	20.0	0.0	
100	P1/2 BPSK	1	271	18.67	18.67	18.67	20.0	0.0	
100	P1/2 BPSK	135	0	18.71	18.71	18.71	20.0	0.0	
100	P1/2 BPSK	135	66	18.73	18.73	18.73	20.0	0.0	
100	P1/2 BPSK	135	138	18.58	18.58	18.58	20.0	0.0	
100	QPSK	1	1	18.72	18.72	18.72	20.0	0.0	
100	QPSK	1	137	18.67	18.67	18.67	20.0	0.0	
100	QPSK	1	271	18.67	18.67	18.67	20.0	0.0	
100	QPSK	135	0	18.74	18.74	18.74	20.0	0.0	
100	QPSK	135	66	18.69	18.69	18.69	20.0	0.0	
100	QPSK	135	138	18.63	18.63	18.63	20.0	0.0	
100	QPSK	270	0	18.65	18.65	18.65	20.0	0.0	
100	SSB4M	1	1	18.72	18.72	18.72	20.0	0.0	
100	SSB4M	1	1	18.72	18.72	18.72	20.0	0.0	
100	SSB4M	1	1	18.73	18.73	18.73	20.0	0.0	
Channel									
Frequency (MHz)									
50	P1/2 BPSK	1	1	18.73	18.65	18.72	20.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	18.64	18.35	18.73	20.0	0.0	
Channel									
Frequency (MHz)									
70	P1/2 BPSK	1	1	18.67	18.46	18.64	20.0	0.0	
Channel									
Frequency (MHz)									
60	P1/2 BPSK	1	1	18.64	18.47	18.73	20.0	0.0	
Channel									
Frequency (MHz)									
50	P1/2 BPSK	1	1	18.63	18.72	18.73	20.0	0.0	
Channel									
Frequency (MHz)									
40	P1/2 BPSK	1	1	18.73	18.73	18.73	20.0	0.0	
Channel									
Frequency (MHz)									
30	P1/2 BPSK	1	1	18.73	18.68	18.70	20.0	0.0	
Channel									
Frequency (MHz)									
20	P1/2 BPSK	1	1	18.72	18.61	18.68	20.0	0.0	
Channel									
Frequency (MHz)									
10	P1/2 BPSK	1	1	18.69	18.74	18.71	20.0	0.0	
Channel									
Frequency (MHz)									
10	P1/2 BPSK	1	1	18.68	18.62	18.77	20.0	0.0	

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SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Main Ch. F.Freq	Power High Ch. F.Freq	Turnup Time (ms)	MFR (dB)				
Channel												
Frequency (MHz)												
100	PIC2 BPSK	1	1		21.82		23.0	0.0				
100	PIC2 BPSK	1	137		21.78							
100	PIC2 BPSK	1	271		21.87							
100	PIC2 BPSK	135	0		21.76		23.0	0.0				
100	PIC2 BPSK	135	66		21.72							
100	PIC2 BPSK	135	138		21.88							
100	PIC2 BPSK	270	0		21.84		23.0	0.0				
100	QPSK	1	1		21.75							
100	QPSK	1	137		21.78							
100	QPSK	1	271		21.86		23.0	0.0				
100	QPSK	135	0		21.74							
100	QPSK	135	138		21.73							
100	QPSK	135	138		21.85		23.0	0.0				
100	QPSK	270	0		21.82							
100	16QAM	1	1		21.72							
100	256QAM	1	1		21.77		23.0	0.0				
Channel												
Frequency (MHz)												
145990 150030 150330 136155 136155 136155 136155 136155 136155												
50	PIC2 BPSK	1	1	21.68	21.80	21.81	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	21.65	21.86	21.88	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
70	PIC2 BPSK	1	1	21.73	21.88	21.81	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
60	PIC2 BPSK	1	1	21.70	21.90	21.89	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
50	PIC2 BPSK	1	1	21.67	21.92	21.84	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
40	PIC2 BPSK	1	1	21.64	21.94	21.78	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
30	PIC2 BPSK	1	1	21.75	21.74	21.71	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
20	PIC2 BPSK	1	1	21.73	21.71	21.75	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
15	PIC2 BPSK	1	1	21.68	21.71	21.75	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
10	PIC2 BPSK	1	1	21.75	21.74	21.72	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												

Part270_n78(HPUE)_Ant 8												
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Main Ch. F.Freq	Power High Ch. F.Freq	Turnup Time (ms)	MFR (dB)				
Channel												
Frequency (MHz)												
100	PIC2 BPSK	1	1		21.82		23.0	0.0	0.0			
100	PIC2 BPSK	1	137		21.78							
100	PIC2 BPSK	1	271		21.87							
100	PIC2 BPSK	135	0		21.76		23.0	0.0	0.0			
100	PIC2 BPSK	135	66		21.72							
100	PIC2 BPSK	135	138		21.88							
100	PIC2 BPSK	270	0		21.84		23.0	0.0	0.0			
100	QPSK	1	1		21.75							
100	QPSK	1	137		21.78							
100	QPSK	1	271		21.86		23.0	0.0	0.0			
100	QPSK	135	0		21.74							
100	QPSK	135	66		21.73							
100	QPSK	135	138		21.85		23.0	0.0	0.0			
100	QPSK	270	0		21.82							
100	16QAM	1	1		21.72							
100	256QAM	1	1		21.77		23.0	0.0	0.0			
Channel												
Frequency (MHz)												
50	PIC2 BPSK	1	1	21.68	21.85	21.81				23.0		
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	21.65	21.86	21.88	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
70	PIC2 BPSK	1	1	21.73	21.88	21.81	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
60	PIC2 BPSK	1	1	21.70	21.90	21.89	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
50	PIC2 BPSK	1	1	21.67	21.92	21.84	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
40	PIC2 BPSK	1	1	21.64	21.91	21.78	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
30	PIC2 BPSK	1	1	21.75	21.74	21.71	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
20	PIC2 BPSK	1	1	21.73	21.71	21.75	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
15	PIC2 BPSK	1	1	21.68	21.71	21.75	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												
10	PIC2 BPSK	1	1	21.75	21.74	21.72	23.0	MFR	(dB)			
Channel												
Frequency (MHz)												

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SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq	Power Main Ch. F.Freq	Power High Ch. F.Freq	Turnup Time (ms)	MFR (dB)				
Channel												
Frequency (MHz)												
100	PIC2 BPSK	1	1		24.85		26.0	0.0	0.0			
100	PIC2 BPSK	1	137		24.79							
100	PIC2 BPSK	1	271		24.80							
100	PIC2 BPSK	135	0		24.89		26.0	0.0	0.0			
100	PIC2 BPSK	135	66		24.83							
100	PIC2 BPSK	135	138		24.87							
100	PIC2 BPSK	270	0		24.81		26.0	0.0	0.0			
100	QPSK	1	1		24.81							
100	QPSK	1	137		24.78							
100	QPSK	1	271		24.83		26.0	0.0	0.0			
100	QPSK	135	0		24.87							
100	QPSK	135	66		24.87							
100	QPSK	135	138		24.84		26.0	0.0	0.0			
100	QPSK	270	0		24.80							
100	16QAM	1	1		24.75							
100	256QAM	1	1		24.87		26.0	1.0	0.0			
Channel												
Frequency (MHz)												
50	PIC2 BPSK	1	1	24.77	24.78	24.78				26.0	MFR	(dB)
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
70	PIC2 BPSK	1	1	24.71	24.72	24.72		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1	24.74	24.75	24.8		MFR	(dB)			
Channel												
Frequency (MHz)												
80	PIC2 BPSK	1	1									

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up (ms)	MPE (dB)	
Channel									
Frequency (MHz)				3750		3750			
100	P12-BPSK	1	1	24.05					
100	P12-BPSK	1	137	24.79			20.0	0.0	
100	P12-BPSK	1	271	24.00					
100	P12-BPSK	155	0	24.09			20.0	0.0	
100	P12-BPSK	155	89	24.00			20.0	0.0	
100	P12-BPSK	155	158	24.47			20.0	0.0	
100	P12-BPSK	200	0	24.00					
100	QPSK	1	1	24.01					
100	QPSK	1	137	24.75			20.0	0.0	
100	QPSK	1	271	24.00					
100	QPSK	155	0	24.07					
100	QPSK	155	89	24.07			20.0	0.0	
100	QPSK	155	158	24.44					
100	QPSK	270	0	24.09			20.0	0.0	
100	16QAM	1	1	24.71			20.0	0.0	
100	16QAM	1	1	24.07			20.0	1.0	
100	256QAM	1	1	27.00			23.0	3.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
50	P12-BPSK	1	1	24.77	24.76	24.76	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.74	24.73	24.81	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
70	P12-BPSK	1	1	24.79	24.73	24.80	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80	P12-BPSK	1	1	24.80	24.77	24.78	20.0	0.0	
Channel									
Frequency (MHz)				3765.00 - 3765.00		3765.00			
80									



5GNR Power for State 12

n2_Ant 1									
5W [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up [ms]	MPH [dB]	
Channel				1800	1800	1800			
20	PUSC BPSK	1	1	21.81	21.81	21.81	23.5	0.0	
20	PUSC BPSK	1	53	21.85	21.85	21.77	23.5	0.0	
20	PUSC BPSK	1	104	22.02	21.90	21.78	23.5	0.0	
20	PUSC BPSK	50	5	21.81	21.78	21.71	23.5	0.0	
20	PUSC BPSK	50	28	21.98	21.77	21.71	23.5	0.0	
20	PUSC BPSK	50	56	21.85	21.84	21.72	23.5	0.0	
20	PUSC BPSK	100	5	21.81	21.74	21.68	23.5	0.0	
20	QPSK	1	1	21.89	21.77	21.78	23.5	0.0	
20	QPSK	1	53	21.89	21.86	21.75	23.5	0.0	
20	QPSK	1	104	21.87	21.77	21.72	23.5	0.0	
20	QPSK	50	5	21.79	21.86	21.84	23.5	0.0	
20	QPSK	50	28	21.79	21.84	21.72	23.5	0.0	
20	QPSK	50	56	21.84	21.87	21.75	23.5	0.0	
20	QPSK	100	5	21.86	21.83	21.72	23.5	0.0	
20	8QAM	1	1	22.13	22.02	21.81	23.5	0.0	
20	8QAM	1	1	21.83	21.87	21.58	23.5	0.0	
20	25QAM	1	1	20.72	20.76	20.80	21.5	2.0	
Channel				1802.5	1800	1802.5			
15	PUSC BPSK	1	1	22.02	22.05	21.89	23.5	0.0	
Channel				1800	1800	1800			
10	PUSC BPSK	1	1	21.84	21.80	21.59	23.5	0.0	
Channel				1802.5	1800	1802.5			
5	PUSC BPSK	1	1	22.03	22.00	21.68	23.5	0.0	

n2_Ant 2									
5W [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up [ms]	MPH [dB]	
Channel				1800	1800	1800			
20	PUSC BPSK	1	1	24.53	24.52	24.57	26.0	0.0	
20	PUSC BPSK	1	53	24.24	24.46	24.18	26.0	0.0	
20	PUSC BPSK	1	104	24.55	24.38	24.08	26.0	0.5	
20	PUSC BPSK	50	5	24.19	24.44	24.20	26.0	0.5	
20	PUSC BPSK	50	28	24.51	24.49	24.21	26.0	0.5	
20	PUSC BPSK	50	56	24.23	24.45	24.03	26.0	0.5	
20	PUSC BPSK	100	5	24.15	24.37	24.20	26.0	0.5	
20	QPSK	1	1	24.28	24.49	24.41	26.0	0.0	
20	QPSK	1	53	24.27	24.31	24.14	26.0	0.0	
20	QPSK	1	104	24.45	24.43	24.13	26.0	0.0	
20	QPSK	50	5	24.21	24.42	24.24	26.0	1.0	
20	QPSK	50	28	24.13	24.40	24.00	26.0	0.5	
20	QPSK	50	56	24.27	24.44	24.07	26.0	1.0	
20	QPSK	100	5	24.19	24.47	24.20	26.0	1.0	
20	16QAM	1	1	24.45	24.47	24.48	23.5	2.5	
20	16QAM	1	1	22.92	22.97	22.99	23.5	2.5	
20	25QAM	1	1	20.74	20.80	20.84	21.5	4.5	
Channel				1802.5	1800	1802.5			
15	PUSC BPSK	1	1	24.54	24.51	24.29	26.0	0.0	
Channel				1800	1800	1800			
10	PUSC BPSK	1	1	24.29	24.49	24.19	26.0	0.0	
Channel				1802.5	1800	1802.5			
5	PUSC BPSK	1	1	24.53	24.45	24.25	26.0	0.0	

n5_Ant 0									
5W [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up [ms]	MPH [dB]	
Channel				834	838.5	838			
20	PUSC BPSK	1	1	23.11	23.28	23.11	25.0	0.0	
20	PUSC BPSK	1	53	23.22	23.38	23.28	25.0	0.0	
20	PUSC BPSK	1	104	23.28	23.42	23.08	25.0	0.0	
20	PUSC BPSK	50	5	23.35	23.32	23.22	25.0	0.0	
20	PUSC BPSK	50	28	23.42	23.48	23.34	25.0	0.0	
20	PUSC BPSK	50	56	23.38	23.28	23.25	25.0	0.0	
20	PUSC BPSK	100	5	23.33	23.41	23.22	25.0	0.0	
20	QPSK	1	1	23.45	23.48	23.42	25.0	0.0	
20	QPSK	1	53	23.38	23.29	23.18	25.0	0.0	
20	QPSK	1	104	23.27	23.29	23.27	25.0	0.0	
20	QPSK	50	5	23.28	23.45	23.38	25.0	0.0	
20	QPSK	50	28	23.43	23.13	23.18	25.0	0.0	
20	QPSK	50	56	23.13	23.29	23.06	25.0	0.0	
20	QPSK	100	5	23.28	23.25	23.16	25.0	0.0	
20	8QAM	1	1	23.45	23.44	23.45	23.0	0.0	
20	8QAM	1	1	22.95	23.03	22.98	23.0	1.5	
20	25QAM	1	1	20.82	20.82	20.72	21.0	3.5	
Channel				835.5	838.5	841.5			
15	PUSC BPSK	1	1	23.27	23.29	23.07	25.0	0.0	
Channel				834	838.5	844			
10	PUSC BPSK	1	1	23.15	23.28	23.13	25.0	0.0	
Channel				838.5	838.5	848.5			
5	PUSC BPSK	1	1	23.15	23.15	23.11	25.0	0.0	

n5_Ant 2									
5W [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up [ms]	MPH [dB]	
Channel				834	838.5	838			
20	PUSC BPSK	1	1	24.13	24.13	24.13	26.0	0.0	
20	PUSC BPSK	1	53	24.25	24.22	24.19	26.0	0.0	
20	PUSC BPSK	1	104	24.13	24.25	24.13	26.0	0.5	
20	PUSC BPSK	50	5	24.23	24.18	24.18	25.5	0.5	
20	PUSC BPSK	50	28	24.13	24.12	24.24	26.0	0.0	
20	PUSC BPSK	50	56	24.23	24.19	24.18	25.5	0.5	
20	PUSC BPSK	100	5	24.16	24.26	24.25	26.0	0.0	
20	QPSK	1	1	24.43	24.48	24.40	26.0	0.0	
20	QPSK	1	53	24.34	24.37	24.27	26.0	0.0	
20	QPSK	1	104	24.21	24.25	24.20	26.0	0.0	
20	QPSK	50	5	24.41	24.36	24.34	26.0	1.0	
20	QPSK	50	28	24.12	24.26	24.25	26.0	0.5	
20	QPSK	50	56	24.26	24.20	24.18	25.0	1.0	
20	QPSK	100	5	24.38	24.29	24.25	26.0	0.0	
20	8QAM	1	1	24.03	24.47	24.45	25.0	1.0	
20	8QAM	1	1	22.95	22.98	22.92	23.0	2.5	
20	25QAM	1	1	20.80	20.84	20.78	21.0	4.5	
Channel				835.5	838.5	841.5			
15	PUSC BPSK	1	1	24.19	24.26	24.22	25.0	0.0	
Channel				834	838.5	844			
10	PUSC BPSK	1	1	24.13	24.19	24.24	25.0	0.0	
Channel				838.5	838.5	848.5			
5	PUSC BPSK	1	1	24.14	24.25	24.13	25.0	0.0	



n7_Ant 1									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-on time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
40	PI2 BPSK	1	1	19.04	19.08	19.01	20.0	0.0	
40	PI2 BPSK	1	108	20.00	20.04	20.03	21.5	0.0	
40	PI2 BPSK	1	214	19.84	20.00	19.92	21.5	0.0	
40	PI2 BPSK	108	5	19.88	19.88	19.93	21.5	0.0	
40	PI2 BPSK	108	54	19.94	20.00	19.93	21.5	0.0	
40	PI2 BPSK	108	108	19.85	19.89	19.89	21.5	0.0	
40	PI2 BPSK	216	5	19.87	20.00	19.88	21.5	0.0	
40	QPSK	1	1	20.04	19.97	19.83			
40	QPSK	1	108	20.00	19.86	19.79			
40	QPSK	1	214	19.97	20.00	19.90	21.5	0.0	
40	QPSK	108	5	19.89	20.00	20.00	21.5	0.0	
40	QPSK	108	54	19.89	19.88	19.93	21.5	0.0	
40	QPSK	108	108	20.00	20.00	20.04	21.5	0.0	
40	QPSK	216	5	19.85	19.92	19.91			
40	8QAM	1	1	19.83	19.84	19.88	21.5	0.0	
40	8QAM	1	1	19.89	19.88	19.89	21.5	0.0	
40	25QAM	1	1	19.80	19.88	19.89	21.5	0.0	
Channel									
Frequency [MHz]									
50	PI2 BPSK	1	1	19.20	20.00	19.97	21.5	0.0	
Channel									
Frequency [MHz]									
20	PI2 BPSK	1	1	20.00	20.00	20.00	21.5	0.0	
Channel									
Frequency [MHz]									
20	PI2 BPSK	1	1	19.99	20.00	20.00	21.5	0.0	
Channel									
Frequency [MHz]									
15	PI2 BPSK	1	1	20.00	20.00	20.00	21.5	0.0	
Channel									
Frequency [MHz]									
15	PI2 BPSK	1	1	19.94	20.00	19.97	21.5	0.0	
Channel									
Frequency [MHz]									
5	PI2 BPSK	1	1	19.97	20.00	19.92	21.5	0.0	

n7_Ant 2									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [dBm]	Power Middle Ch. Freq. [dBm]	Power High Ch. Freq. [dBm]	Turn-on time (min)	MFR (dB)	
Channel									
Frequency [MHz]									
40	PI2 BPSK	1	1	21.42	21.40	21.40			
40	PI2 BPSK	1	108	21.47	21.54	21.45	23.0	0.0	
40	PI2 BPSK	1	214	21.27	21.54	21.27			
40	PI2 BPSK	108	5	21.43	21.40	21.32	23.0	0.0	
40	PI2 BPSK	108	54	21.45	21.58	21.41	23.0	0.0	
40	PI2 BPSK	108	108	21.40	21.44	21.37	23.0	0.0	
40	PI2 BPSK	216	5	21.44	21.57	21.48	23.0	0.0	
40	QPSK	1	1	21.40	21.47	21.48			
40	QPSK	1	108	21.48	21.54	21.53	23.0	0.0	
40	QPSK	1	214	21.35	21.50	21.49			
40	QPSK	108	5	21.58	21.54	21.47	23.0	0.0	
40	QPSK	108	54	21.36	21.43	21.36	23.0	0.0	
40	QPSK	108	108	21.38	21.55	21.58	23.0	0.0	
40	QPSK	216	5	21.27	21.49	21.50			
40	16QAM	1	1	21.38	21.38	21.51	23.0	0.0	
40	16QAM	1	1	21.30	21.58	21.55	23.0	0.0	
40	25QAM	1	1	20.87	20.87	20.88	21.5	1.5	
Channel									
Frequency [MHz]									
30	PI2 BPSK	1	1	21.40	21.40	21.37	23.0	0.0	
Channel									
Frequency [MHz]									
20	PI2 BPSK	1	1	21.40	21.40	21.41	23.0	0.0	
Channel									
Frequency [MHz]									
20	PI2 BPSK	1	1	21.43	21.51	21.56	23.0	0.0	
Channel									
Frequency [MHz]									
15	PI2 BPSK	1	1	21.40	21.54	21.47	23.0	0.0	
Channel									
Frequency [MHz]									
15	PI2 BPSK	1	1	21.51	21.58	21.49	23.0	0.0	
Channel									
Frequency [MHz]									
5	PI2 BPSK	1	1	21.40	21.50	21.44	23.0	0.0	

n12_Ant 0									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up time (min)	MFR	
Channel									
Frequency [MHz]									
15	PI2 BPSK	1	1	24.53	24.53	24.72	26.0	0.0	
15	PI2 BPSK	1	40	24.61	25.18	25.16			
15	PI2 BPSK	1	77	24.97	24.63	24.90			
15	PI2 BPSK	36	5	24.77	24.97	24.97	25.5	0.5	
15	PI2 BPSK	36	22	24.64	25.18	25.04	26.0	0.0	
15	PI2 BPSK	36	40	24.52	24.57	24.59			
15	PI2 BPSK	75	5	24.77	25.07	24.95	25.5	0.5	
15	QPSK	1	1	24.69	24.68	24.70			
15	QPSK	1	40	24.63	25.18	25.18	26.0	0.0	
15	QPSK	1	77	24.98	25.00	24.94			
15	QPSK	36	5	24.90	24.90	24.89	26.0	1.0	
15	QPSK	36	22	24.67	24.67	25.06	26.5	0.0	
15	QPSK	36	40	24.98	24.71	24.70	26.0	1.0	
15	QPSK	75	5	25.72	23.65	23.69			
15	8QAM	1	1	23.84	23.89	23.92	25.0	1.0	
15	8QAM	1	1	22.29	22.30	22.33	25.5	2.5	
15	25QAM	1	1	20.20	20.34	20.24	21.5	4.5	
Channel									
Frequency [MHz]									
10	PI2 BPSK	1	1	24.48	24.53	24.51	25.5	0.0	
Channel									
Frequency [MHz]									
5	PI2 BPSK	1	1	24.63	24.70	24.69	26.0	0.0	

n12_Ant 2									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up time (min)	MFR	
Channel									
Frequency [MHz]									
15	PI2 BPSK	1	1	24.53	24.57	24.72			
15	PI2 BPSK	1	40	24.61	25.18	25.16	26.0	0.0	
15	PI2 BPSK	1	77	24.97	24.63	24.90			
15	PI2 BPSK	36	5	24.77	24.97	24.97	25.5	0.5	
15	PI2 BPSK	36	22	24.64	25.18	25.04	26.0	0.0	
15	PI2 BPSK	36	40	24.52	24.57	24.59			
15	PI2 BPSK	75	5	24.77	25.07	24.95	25.5	0.5	
15	QPSK	1	1	24.69	24.68	24.70			
15	QPSK	1	40	24.63	25.18	25.18	26.0	0.0	
15	QPSK	1	77	24.98	25.00	24.94			
15	QPSK	36	5	24.90	24.90	24.89	26.0	1.0	
15	QPSK	36	22	24.67	24.67	25.06	26.5	0.0	
15	QPSK	36	40	24.98	24.71	24.70	26.0	1.0	
15	8QAM	1	1	23.84	23.89	23.92	25.0	1.0	
15	8QAM	1	1	22.29	22.30	22.33	25.5	2.5	
15	25QAM	1	1	20.20	20.34	20.24	21.5	4.5	
Channel									
Frequency [MHz]									
10	PI2 BPSK	1	1	24.48	24.53	24.51	25.5	0.0	
Channel									
Frequency [MHz]									
5	PI2 BPSK	1	1	24.63	24.70	24.69	26.0	0.0	

n13_Ant 0							
Seq. Name	Modulator	RF Sig.	RF Out	Power Level (Ch. Freq.)	Power Level (Ch. Freq.)	Power Level (Ch. Freq.)	Total Power (dBm)
Frequency (MHz)				MPE			
Channel							
10	P12-BPSP	1	1	25.21			0.0
10	P12-BPSP	1	26	25.13		25.5	0.0
10	P12-BPSP	25	1	25.13		25.5	0.0
10	P12-BPSP	25	0	25.13		25.5	0.0
10	P12-BPSP	25	27	25.12		25.5	0.0
10	P12-BPSP	50	0	25.16		25.5	0.0
10	CSig1	1	26	25.13		25.5	0.0
10	CSig1	1	50	25.16		25.5	0.5
10	CSig1	25	0	25.16		25.5	0.5
10	CSig1	25	14	25.20		25.5	0.8
10	CSig1	25	27	25.14		25.5	0.5
10	CSig1	50	0	25.16		25.5	0.5
10	REQM1	1	1	25.10		25.5	0.5
10	REQM1	1	26	25.10		25.5	2.0
10	REQM1	25	0	25.10		25.5	4.0
Channel				156560	156560	156560	MPE
5	P12-BPSP	1	1	25.15	25.17	25.5	0.0

n13_Ant 2							
Seq Band	Modulation	RF Sig.	RF Offset	Power (dBm)	Power Frac. (dB)	Power Frac. (dB)	Time Avg. (dB)
Channel							
Frequency (kHz)							
10	Frequency (kHz)	1	1	24.60			
10	P1a BPSK	1	1	24.48			25.0
10	P1a BPSK	1	26	24.48			25.0
10	P1a BPSK	25	1	24.42			25.0
10	P1a BPSK	25	0	24.42			25.0
10	P1a BPSK	25	14	24.42			25.0
10	P1a BPSK	25	27	24.42			25.0
10	P1a BPSK	25	44	24.42			25.0
10	P1a BPSK	25	50	24.42			25.0
10	QPSK	1	1	24.28			25.0
10	QPSK	1	26	24.28			25.0
10	QPSK	1	50	24.27			25.0
10	QPSK	25	1	24.27			25.0
10	QPSK	25	26	24.27			25.0
10	QPSK	25	14	24.21			25.0
10	QPSK	25	27	24.21			25.0
10	QPSK	25	44	23.98			25.0
10	QPSK	25	50	23.98			25.0
10	MSK4M	1	1	23.08			25.0
10	MSK4M	1	26	23.19			25.0
10	MSK4M	1	50	23.06			25.0
10	MSK4M	25	1	23.19			25.0
10	MSK4M	25	26	23.06			25.0
10	MSK4M	25	14	23.19			25.0
10	MSK4M	25	27	23.19			25.0
10	MSK4M	25	44	23.06			25.0
10	MSK4M	25	50	23.06			25.0
Channel							
				146660	146660	146660	146660
				24.28	24.28	24.28	24.28
5	P1a BPSK	1	1	24.29	24.45	24.50	25.0
MHz							

n25_Ant 1									
Site (MHz)	Modulation	RF Size	RF Offset	Power (dBm)	Power (dBm) Ch. 1/2	Power (dBm) Ch. 3/4	Power (dBm) Ch. 5/6	Temperature (°C)	RFI (dB)
20	PRF	100	0	22.68	22.68	22.68	22.68	23.1	0.0
	PRF	100	1	22.68	22.68	22.68	22.68	23.1	0.0
	PRF	100	2	22.68	22.68	22.68	22.68	23.1	0.0
	PRF	100	3	22.68	22.68	22.68	22.68	23.1	0.0
	PRF	100	4	22.68	22.68	22.68	22.68	23.1	0.0
	PRF	100	5	22.68	22.68	22.68	22.68	23.1	0.0
	PRF	100	6	22.68	22.68	22.68	22.68	23.1	0.0
	PRF	100	7	22.68	22.68	22.68	22.68	23.1	0.0
	PRF	100	8	22.68	22.68	22.68	22.68	23.1	0.0
	PRF	100	9	22.68	22.68	22.68	22.68	23.1	0.0
	PRF	100	10	22.68	22.68	22.68	22.68	23.1	0.0
	PRF	100	11	22.68	22.68	22.68	22.68	23.1	0.0
	PRF	100	12	22.68	22.68	22.68	22.68	23.1	0.0
	PRF	100	13	22.68	22.68	22.68	22.68	23.1	0.0
PRF	100	14	22.68	22.68	22.68	22.68	23.1	0.0	
15	PRF	100	0	22.61	22.61	22.61	22.61	23.0	0.0
	PRF	100	1	22.61	22.61	22.61	22.61	23.0	0.0
	PRF	100	2	22.61	22.61	22.61	22.61	23.0	0.0
	PRF	100	3	22.61	22.61	22.61	22.61	23.0	0.0
	PRF	100	4	22.61	22.61	22.61	22.61	23.0	0.0
	PRF	100	5	22.61	22.61	22.61	22.61	23.0	0.0
	PRF	100	6	22.61	22.61	22.61	22.61	23.0	0.0
	PRF	100	7	22.61	22.61	22.61	22.61	23.0	0.0
	PRF	100	8	22.61	22.61	22.61	22.61	23.0	0.0
	PRF	100	9	22.61	22.61	22.61	22.61	23.0	0.0
	PRF	100	10	22.61	22.61	22.61	22.61	23.0	0.0
	PRF	100	11	22.61	22.61	22.61	22.61	23.0	0.0
	PRF	100	12	22.61	22.61	22.61	22.61	23.0	0.0
	PRF	100	13	22.61	22.61	22.61	22.61	23.0	0.0
PRF	100	14	22.61	22.61	22.61	22.61	23.0	0.0	
5	PRF	100	0	22.61	22.61	22.61	22.61	23.0	0.0
	PRF	100	1	22.61	22.61	22.61	22.61	23.0	0.0

[illegible]



n26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	Turn-up time [dBm]	MFR [dB]	
Channel				164800	165000	167600			
Frequency [MHz]				824	831.5	839			
20	F3/2 BPSK	1	1	23.23	23.23	23.23			
30	F3/2 BPSK	1	53	23.27	23.48	23.28	25.0	0.0	
20	F3/2 BPSK	1	104	23.36	23.34	23.23			
30	F3/2 BPSK	50	5	23.20	23.45	23.34	25.0	0.0	
30	F3/2 BPSK	50	28	23.29	23.31	23.47	25.0	0.0	
20	F3/2 BPSK	100	0	23.14	23.37	23.22	25.0	0.0	
30	F3/2 BPSK	100	58	23.37	23.48	23.43			
20	QPSK	1	1	23.09	23.34	23.09			
30	QPSK	1	53	23.08	23.31	23.48	25.0	0.0	
20	QPSK	1	104	23.17	23.08	23.35			
30	QPSK	50	5	23.31	23.42	23.23	25.0	0.0	
30	QPSK	50	28	23.47	23.48	23.23	25.0	0.0	
30	QPSK	50	58	23.67	23.32	23.40	25.0	0.0	
20	QPSK	100	0	23.36	23.36	23.24			
20	WQAM	1	1	23.21	23.48	23.03	25.0	0.0	
20	WQAM	1	1	22.51	23.73	22.53	25.5	1.0	
20	25QAM	1	1	20.52	20.57	20.38	21.5	3.5	
Channel				161600	161800	161900			
Frequency [MHz]				811.5	811.5	811.5			
15	F3/2 BPSK	1	1	23.23	23.14	23.42	25.0	0.0	
Channel				163000	163000	163000			
Frequency [MHz]				819	811.5	804			
10	F3/2 BPSK	1	1	23.49	23.48	23.47	25.0	0.0	
Channel				163500	163500	163500			
Frequency [MHz]				811.5	811.5	811.5			
5	F3/2 BPSK	1	1	23.41	23.48	23.43	25.0	0.0	
				23.2	23.45	23.34			

n26_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	Turn-up time [dBm]	MFR [dB]	
Channel				164800	165000	167600			
Frequency [MHz]				824	831.5	839			
20	F3/2 BPSK	1	1	23.15	23.11	23.15			
30	F3/2 BPSK	1	53	24.52	24.50	24.51	26.0	0.0	
20	F3/2 BPSK	1	104	24.57	24.50	24.54			
20	F3/2 BPSK	50	5	24.51	24.51	24.48	25.5	0.5	
20	F3/2 BPSK	50	28	24.54	24.58	24.52	26.0	0.0	
20	F3/2 BPSK	50	58	24.52	24.55	24.50	25.5	0.5	
20	F3/2 BPSK	100	5	24.52	24.50	24.55			
20	QPSK	1	1	24.58	24.52	24.54			
20	QPSK	1	53	24.57	24.50	24.55	26.0	0.0	
20	QPSK	1	104	24.50	24.50	24.58			
20	QPSK	50	5	23.68	24.49	24.58	25.0	1.0	
20	QPSK	50	28	24.53	24.54	24.51	25.0	0.0	
20	QPSK	50	58	23.98	24.44	23.99	25.0	1.0	
20	QPSK	100	0	24.07	24.03	24.01			
20	WQAM	1	1	24.25	24.33	23.91	25.0	1.0	
20	WQAM	1	1	22.67	22.74	22.70	25.5	2.5	
20	25QAM	1	1	20.57	20.62	20.58	21.5	4.5	
Channel				161600	161800	161900			
Frequency [MHz]				811.5	811.5	811.5			
15	F3/2 BPSK	1	1	24.52	24.54	24.57	25.0	0.0	
Channel				163000	163000	163000			
Frequency [MHz]				819	831.5	804			
10	F3/2 BPSK	1	1	24.53	24.53	24.58	26.0	0.0	
Channel				163500	163500	163500			
Frequency [MHz]				819.5	831.5	811.5			
5	F3/2 BPSK	1	1	24.43	24.51	24.55	25.0	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	Turn-up time [dBm]	MFR [dB]	
Channel				1730	1745	1760			
Frequency [MHz]				1717.5	1717.5				
40	F3/2 BPSK	1	1	21.86	21.81	21.85	23.0	0.0	
40	F3/2 BPSK	1	108	21.79	21.85	21.82			
40	F3/2 BPSK	1	214	21.87	21.87	21.82	23.0	0.0	
40	F3/2 BPSK	108	54	21.74	21.77	21.87	23.0	0.0	
40	F3/2 BPSK	108	54	21.74	21.77	21.87	23.0	0.0	
40	F3/2 BPSK	108	108	21.71	21.84	21.84	23.0	0.0	
40	F3/2 BPSK	216	0	21.73	21.73	21.85	23.0	0.0	
40	QPSK	1	1	21.73	21.71	21.48			
40	QPSK	1	108	21.69	21.68	21.87	23.0	0.0	
40	QPSK	1	214	21.82	21.87	21.85			
40	QPSK	108	54	21.73	21.68	21.58	23.0	0.0	
40	QPSK	108	54	21.73	21.68	21.58	23.0	0.0	
40	QPSK	108	108	21.82	21.88	21.87	23.0	0.0	
40	QPSK	216	0	21.80	21.82	21.49			
40	WQAM	1	1	21.39	21.45	21.32	23.0	0.0	
40	WQAM	1	1	21.84	21.70	21.46	23.0	0.0	
40	25QAM	1	1	20.92	20.85	20.77	21.5	1.5	
Channel				164000	164000	164000			
Frequency [MHz]				1720	1745	1770			
20	F3/2 BPSK	1	1	21.68	21.65	21.68	23.0	0.0	
Channel				163500	163500	163500			
Frequency [MHz]				1717.5	1745	1772.5			
15	F3/2 BPSK	1	1	21.63	21.63	21.71	23.0	0.0	
Channel				163500	163500	163500			
Frequency [MHz]				1715	1745	1775			
10	F3/2 BPSK	1	1	21.63	21.63	21.55	23.0	0.0	
Channel				164500	164500	164500			
Frequency [MHz]				1712.5	1745	1777.5			
5	F3/2 BPSK	1	1	21.63	21.70	21.69	23.0	0.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	Turn-up time [dBm]	MFR [dB]	
Channel				164500	164500	165000			
Frequency [MHz]				1730	1745	1760			
40	F3/2 BPSK	1	1	21.71	21.70	21.70			
40	F3/2 BPSK	1	108	21.81	21.86	21.89	26.0	0.0	
40	F3/2 BPSK	1	214	21.88	21.82	21.85			
40	F3/2 BPSK	108	5	21.81	21.81	21.83	25.5	0.5	
40	F3/2 BPSK	108	54	21.87	21.88	21.87	26.0	0.0	
40	F3/2 BPSK	108	108	21.88	21.87	21.88	25.5	0.5	
40	F3/2 BPSK	216	0	21.85	21.85	21.87			
40	QPSK	1	1	21.88	21.88	21.85			
40	QPSK	1	108	21.83	21.83	21.83	26.0	0.0	
40	QPSK	1	214	21.94	21.88	21.84			
40	QPSK	108	54	21.41	21.47	21.39	25.0	1.0	
40	QPSK	108	108	21.47	21.44	21.45	25.0	1.0	
40	QPSK	216	0	21.43	21.46	21.35			
40	WQAM	1	1	21.74	21.65	21.65	25.0	1.0	
40	WQAM	1	1	23.13	23.07	23.08	23.5	2.5	
40	25QAM	1	1	20.95	20.85	20.87	21.5	4.5	
Channel				164500	164500	165000			
Frequency [MHz]				1720	1745	1770			
20	F3/2 BPSK	1	1	21.59	21.85	21.43	25.0	1.0	
Channel				163500	163500	163500			
Frequency [MHz]				1717.5	1745	1772.5			
10	F3/2 BPSK	1	1	21.63	21.65	21.67	25.0	0.0	
Channel				163500	163500	163500			
Frequency [MHz]				1715	1745	1775			
10	F3/2 BPSK	1	1	21.63	21.77	21.63	25.0	0.0	
Channel				164500	164500	165000			
Frequency [MHz]				1715	1745	1775			
5	F3/2 BPSK	1	1	21.63	21.63	21.63	26.0	0.0	

n71_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [dBm]	Power MaxCh. 1 [dBm]	Power High Ch. 1 [dBm]	Tune-up time [dBm]	SFR [dB]			
Channel											
Frequency [MHz]											
20	PI2-BPSK	1	1	24.52	24.52	24.52	20.0	0.0			
20	PI2-BPSK	1	53	24.52	24.52	24.52	20.0	0.0			
20	PI2-BPSK	1	104	24.54	24.55	24.55	20.5	0.5			
20	PI2-BPSK	50	5	24.52	24.54	24.57	20.5	0.5			
20	PI2-BPSK	50	26	24.57	24.55	24.55	20.0	0.0			
20	PI2-BPSK	50	56	24.55	24.54	23.55	20.5	0.5			
20	PI2-BPSK	100	5	24.51	24.52	24.52	20.5	0.5			
20	QPSK	1	1	24.55	24.55	24.55	20.0	0.0			
20	QPSK	1	53	24.55	24.55	24.55					
20	QPSK	1	104	24.55	24.55	24.57		0.0			
20	QPSK	50	5	24.55	24.55	24.55					
20	QPSK	50	26	24.55	24.55	24.55	20.5	0.5			
20	QPSK	50	56	24.55	23.78	23.57	20.0	0.0			
20	QPSK	100	5	24.55	24.57	23.55	20.0	0.0			
20	16QAM	1	1	22.25	22.25	22.44	20.0	0.0			
20	16QAM	1	1	22.71	22.59	22.86	20.5	0.5			
20	256QAM	1	1	20.45	20.59	20.59	21.5	4.5			
Channel											
Frequency [MHz]											
15	PI2-BPSK	1	1	24.52	24.52	24.57	20.0	0.0			
Channel											
Frequency [MHz]											
10	PI2-BPSK	1	1	24.47	24.52	24.44	20.0	0.0			
Channel											
Frequency [MHz]											
5	PI2-BPSK	1	1	24.45	24.52	24.42	20.0	0.0			

n71_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [dBm]	Power MaxCh. 1 [dBm]	Power High Ch. 1 [dBm]	Tune-up time [dBm]	SFR [dB]	
Channel									
Frequency [MHz]									
20	PI2-BPSK	1	1	24.52	24.52	24.52	20.0	0.0	
20	PI2-BPSK	1	53	24.52	24.55	24.55	20.0	0.0	
20	PI2-BPSK	1	104	24.54	24.55	24.55	20.5	0.5	
20	PI2-BPSK	50	5	24.52	24.54	24.57	20.5	0.5	
20	PI2-BPSK	50	26	24.57	24.55	24.55	20.0	0.0	
20	PI2-BPSK	50	56	24.55	24.54	23.55	20.5	0.5	
20	PI2-BPSK	100	5	24.51	24.52	24.52	20.5	0.5	
20	QPSK	1	1	24.55	24.55	24.55	20.0	0.0	
20	QPSK	1	53	24.55	24.55	24.55			
20	QPSK	1	104	24.55	24.55	24.57		0.0	
20	QPSK	50	5	24.55	24.55	24.55			
20	QPSK	50	26	24.55	24.54	24.55	20.5	0.5	
20	QPSK	50	56	24.55	23.78	23.57	20.0	0.0	
20	QPSK	100	5	24.55	24.57	23.55	20.0	0.0	
20	16QAM	1	1	22.25	22.25	22.44	20.0	0.0	
20	16QAM	1	1	22.71	22.59	22.86	20.5	0.5	
20	256QAM	1	1	20.45	20.59	20.59	21.5	4.5	
Channel									
Frequency [MHz]									
15	PI2-BPSK	1	1	24.52	24.52	24.57	20.0	0.0	
Channel									
Frequency [MHz]									
10	PI2-BPSK	1	1	24.47	24.52	24.44	20.0	0.0	
Channel									
Frequency [MHz]									
5	PI2-BPSK	1	1	24.45	24.52	24.42	20.0	0.0	



n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [F/MHz]	Power Mid Ch. [F/MHz]	Power High Ch. [F/MHz]	Turn-up [ms]	MPE [dB]	
Channel									
Frequency [MHz]				2590.02	2590	2590.98			
40	P12 BPSK	1	1	25.25	25.25	25.15	21.5	0.0	
40	P12 BPSK	1	53	25.18	25.23	25.13			
40	P12 BPSK	1	104	19.91	20.03	20.02			
40	P12 BPSK	50	5	25.14	25.16	25.09	21.5	0.0	
40	P12 BPSK	50	26	25.15	25.22	25.11	21.5	0.0	
40	P12 BPSK	50	56	19.89	20.14	20.06			
40	P12 BPSK	100	0	25.09	25.25	25.04			
40	QPSK	1	1	25.16	25.16	25.15			
40	QPSK	1	53	25.12	25.13	25.14	21.5	0.0	
40	QPSK	1	104	20.20	20.07	19.90			
40	QPSK	50	0	25.16	25.16	25.16			
40	QPSK	50	26	20.06	20.13	20.12	21.5	0.0	
40	QPSK	50	56	20.09	20.17	20.18			
40	QPSK	100	0	20.07	20.16	20.08	21.5	0.0	
40	16QAM	1	1	25.16	25.20	25.15			
40	16QAM	1	1	25.04	25.15	25.21	21.5	0.0	
40	256QAM	1	1	25.22	25.12	25.06	21.5	0.0	
Channel									
Frequency [MHz]				2591.02	2590	2590.98			
30	P12 BPSK	1	1	25.16	25.20	25.17	21.5	0.0	
Channel									
Frequency [MHz]				2591.02	2590	2590.98			
20	P12 BPSK	1	1	25.21	25.16	25.20	21.5	0.0	
Channel									
Frequency [MHz]				2577.51	2596	2572.49			
15	P12 BPSK	1	1	25.13	25.08	25.22	21.5	0.0	
Channel									
Frequency [MHz]				2575.02	2596	2574.98			
10	P12 BPSK	1	1	25.15	25.12	25.16	21.5	0.0	

n38_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [F/MHz]	Power Mid Ch. [F/MHz]	Power High Ch. [F/MHz]	Turn-up [ms]	MPE [dB]	
Channel									
Frequency [MHz]				2590.02	2590	2590.98			
40	P12 BPSK	1	1	25.22	25.20	25.15			
40	P12 BPSK	1	53	25.18	25.23	25.15	21.5	0.0	
40	P12 BPSK	1	104	19.91	20.03	20.02			
40	P12 BPSK	50	5	25.14	25.16	25.09	21.5	0.0	
40	P12 BPSK	50	26	25.15	25.22	25.11	21.5	0.0	
40	P12 BPSK	50	56	19.89	20.14	20.06			
40	P12 BPSK	100	0	25.09	25.25	25.04			
40	QPSK	1	1	25.16	25.16	25.15			
40	QPSK	1	53	25.12	25.13	25.14	21.5	0.0	
40	QPSK	1	104	20.20	20.07	19.90			
40	QPSK	50	0	25.16	25.16	25.16			
40	QPSK	50	26	20.06	20.13	20.12	21.5	0.0	
40	QPSK	50	56	20.09	20.17	20.18			
40	QPSK	100	0	20.07	20.16	20.08	21.5	0.0	
40	16QAM	1	1	25.16	25.20	25.15			
40	16QAM	1	1	25.04	25.15	25.21	21.5	0.0	
40	256QAM	1	1	25.22	25.12	25.06	21.5	0.0	
Channel									
Frequency [MHz]				2591.02	2590	2590.98			
30	P12 BPSK	1	1	25.16	25.20	25.17	21.5	0.0	
Channel									
Frequency [MHz]				2591.02	2590	2590.98			
20	P12 BPSK	1	1	25.21	25.16	25.20	21.5	0.0	
Channel									
Frequency [MHz]				2577.51	2596	2572.49			
15	P12 BPSK	1	1	25.13	25.08	25.22	21.5	0.0	
Channel									
Frequency [MHz]				2575.02	2596	2574.98			
10	P12 BPSK	1	1	25.15	25.12	25.16	21.5	0.0	

n41_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [F/MHz]	Power Mid Ch. [F/MHz]	Power High Ch. [F/MHz]	Turn-on [ms]	MPE [dB]	
Channel									
Frequency [MHz]				2590.02	2592.98	2595.98			
100	P12 BPSK	1	1	24.43	24.13	24.02			
100	P12 BPSK	1	137	24.38	24.03	24.03	26.0	0.0	
100	P12 BPSK	1	271	24.40	24.02	24.01			
100	P12 BPSK	135	0	24.09	24.05	24.00	26.0	0.0	
100	P12 BPSK	135	80	24.42	24.15	24.01	26.0	0.0	
100	P12 BPSK	135	136	24.15	24.00	24.02	26.0	0.0	
100	P12 BPSK	270	0	24.38	24.09	24.02			
100	QPSK	1	1	24.13	24.05	24.00			
100	QPSK	1	137	24.41	24.02	24.00	26.0	0.0	
100	QPSK	1	271	24.38	24.07	24.00			
100	QPSK	135	0	24.40	24.09	24.02			
100	QPSK	135	80	24.38	24.05	24.01	26.0	0.0	
100	QPSK	135	136	24.39	24.09	24.00			
100	QPSK	270	0	24.42	24.09	24.04	26.0	0.0	
100	16QAM	1	1	24.33	24.03	24.01	26.0	0.0	
100	64QAM	1	1	23.60	23.35	23.15	25.0	1.0	
100	256QAM	1	1	21.45	21.12	21.04	23.0	3.0	
Channel									
Frequency [MHz]				2590.00	2592.99	2595.98			
50	P12 BPSK	1	1	24.41	24.09	24.08	26.0	0.0	
Channel									
Frequency [MHz]				2591.00	2592.99	2595.98			
80	P12 BPSK	1	1	24.42	24.10	24.09	26.0	0.0	
Channel									
Frequency [MHz]				2592.00	2592.99	2595.98			
70	P12 BPSK	1	1	24.43	24.10	24.09	26.0	0.0	
Channel									
Frequency [MHz]				2593.00	2592.99	2595.98			
60	P12 BPSK	1	1	24.44	24.10	24.09	26.0	0.0	
Channel									
Frequency [MHz]				2594.00	2592.99	2595.98			
50	P12 BPSK	1	1	24.45	24.09	24.08	26.0	0.0	
Channel									
Frequency [MHz]				2595.00	2592.99	2595.98			
40	P12 BPSK	1	1	24.46	24.10	24.09	26.0	0.0	
Channel									
Frequency [MHz]				2596.00	2592.99	2595.98			
30	P12 BPSK	1	1	24.47	24.10	24.09	26.0	0.0	
Channel									
Frequency [MHz]				501204	518998	534996			
20	P12 BPSK	1	1	24.38	24.37	24.26	26.0	0.0	

n41(HPUe)_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [F/MHz]	Power Mid Ch. [F/MHz]	Power High Ch. [F/MHz]	Turn-up [ms]	MPE [dB]	
Channel									
Frequency [MHz]				2590.01	2592.99	2594			
100	P12 BPSK	1	1	25.05	25.03	25.05			
100	P12 BPSK	1	137	25.04	25.05	25.05	27.5	0.0	
100	P12 BPSK	1	271	25.15	25.00	25.03			
100	P12 BPSK	135	0	25.09	25.00	25.01	27.0	0.0	
100	P12 BPSK	135	80	25.09	25.05	25.01	27.5	0.0	
100	P12 BPSK	135	136	25.19	25.00	25.04	27.0	0.0	
100	P12 BPSK	270	0	25.10	25.00	25.01			
100	QPSK	1	1	25.02	25.02	25.00			
100	QPSK	1	137	25.00	25.06	25.02	27.5	0.0	
100	QPSK	1	271	25.12	25.07	25.03			
100	QPSK	135	0	24.88	24.93	24.90			
100	QPSK	135	80	24.85	25.03	25.02	27.5	0.0	
100	QPSK	135	136	24.87	24.92	24.91			
100	QPSK	270	0	24.78	24.92	24.94	26.5	1.0	
100	16QAM	1	1	25.11	24.99	24.95	26.5	1.0	
100	16QAM	1	1	23.60	23.50	23.17	25.0	2.5	
100	256QAM	1	1	21.43	21.17	21.00	25.0	4.0	
Channel									
Frequency [MHz]				2591	2592.99	2594.98			
50	P12 BPSK	1	1	25.00	25.04	25.00	27.5	0.0	
Channel									
Frequency [MHz]				2591.02	2592.99	2594.98			
80	P12 BPSK	1	1	25.15	25.07	25.05	27.5	0.0	
Channel									
Frequency [MHz]				2591.01	2592.99	2594.98			
10	P12 BPSK	1	1	25.00	25.04	25.00	27.5	0.0	
Channel									
Frequency [MHz]				2591.02	2592.99	2594.98			
10	P12 BPSK	1	1	25.15	25.07	25.05	27.5	0.0	
Channel									
Frequency [MHz]				2591.01	2592.99	2594.98			
50	P12 BPSK	1	1	25.00	25.04	25.00	27.5	0.0	
Channel									
Frequency [MHz]				2591.02	2592.99	2594.98			
50	P12 BPSK	1	1	25.15	25.07	25.05	27.5	0.0	
Channel									
Frequency [MHz]				2591.01	2592.99	2594.98			
30	P12 BPSK	1	1	25.00	25.04	25.00	27.5	0.0	
Channel									
Frequency [MHz]				2591.02	2592.99	2594.98			
30	P12 BPSK	1	1	25.15	25.07	25.05	27.5	0.0	
Channel									
Frequency [MHz]				2591.01	2592.99	2594.98			
20	P12 BPSK	1	1	25.03	25.00	25.07	27.5	0.0	

n41_Ant 8								
BB (MHz)	Modulation	PSB Size	PSB Offset	Power (dBm) C/F (Pilot)	Power (dBm) C/F (Data)	Power (dBm) C/F (Pilot)	Time-slot (ms)	MPR (dB)
Channel								
100	PSK-BPSK	1	0	-24.43	-24.35	-23.87		0.0
100	PSK-BPSK	1	147	-24.38	-24.33	-24.03	25.0	0.0
100	PSK-BPSK	1	293	-24.33	-24.28	-24.03	25.0	0.0
100	PSK-BPSK	135	0	-24.09	-24.09	-24.00		0.0
100	PSK-BPSK	135	69	-24.43	-24.35	-24.03	25.0	0.0
100	PSK-BPSK	135	138	-24.43	-24.35	-24.03	25.0	0.0
100	PSK-BPSK	270	0	-23.38	-23.38	-24.03	25.0	0.0
100	QPSK	1	0	-24.33	-24.30	-24.05		
100	QPSK	1	147	-24.33	-24.32	-24.05	25.0	0.0
100	QPSK	1	291	-24.38	-24.37	-24.05	25.0	0.0
100	QPSK	135	0	-24.40	-24.40	-24.02		
100	QPSK	135	69	-24.40	-24.38	-24.02	25.0	0.0
100	QPSK	135	138	-24.39	-24.38	-24.00		0.0
100	QPSK	270	0	-24.42	-24.40	-24.04	25.0	0.0
100	QPSK	270	138	-24.42	-24.40	-24.04	25.0	0.0
100	QPSK	540	0	-23.87	-23.87	-24.05	25.0	1.0
100	QPSK	540	138	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	270	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	405	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	540	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	675	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	810	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	945	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	1080	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	1215	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	1350	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	1485	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	1620	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	1755	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	1890	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	2025	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	2160	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	2295	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	2430	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	2565	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	2700	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	2835	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	2970	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	3105	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	3240	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	3375	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	3510	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	3645	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	3780	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	3915	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	4050	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	4185	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	4320	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	4455	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	4590	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	4725	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	4860	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	4995	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	5130	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	5265	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	5400	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	5535	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	5670	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	5805	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	5940	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	6075	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	6210	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	6345	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	6480	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	6615	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	6750	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	6885	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	7020	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	7155	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	7290	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	7425	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	7560	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	7695	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	7830	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	7965	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	8100	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	8235	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	8370	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	8505	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	8640	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	8775	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	8910	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	9045	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	9180	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	9315	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	9450	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	9585	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	9720	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	9855	-23.87	-23.88	-24.05	25.0	1.0
100	QPSK	540	9990	-23.87	-23.88	-24.05	25.0	1.0

n41(HPUe)_Ant 8								
BS (MHz)	Multicasts	HS SS	HS CQI	Power Pilot Ch. Freq.	Power Pilot Ch. Freq.	Power Pilot Ch. Freq.	Time-slot (ms)	MFR (%)
Channel								
500	PR4-BSM2	1	1	50.002	51.808	53.606		
500	PR4-BSM2	1	1	51.00	52.80	53.80		
500	PR4-BSM2	1	1	52.00	53.00	53.20	27.5	0
500	PR4-BSM2	135	0	25.39	26.00	26.61	27.5	0.5
500	PR4-BSM2	135	0	26.80	27.00	27.20	27.5	0
500	PR4-BSM2	135	0	27.20	27.40	27.60	27.5	0.5
500	GP1R	1	1	25.02	26.02	26.58		
500	GP1R	1	1	26.02	26.52	27.02	27.5	0
500	GP1R	1	271	25.72	26.37	26.97		
500	GP1R	135	0	24.80	25.33	25.80	27.5	0
500	GP1R	135	0	25.80	26.33	26.80	27.5	0
500	GP1R	135	108	24.87	25.52	26.17	27.5	1.0
500	GP1R	270	0	24.78	25.32	25.84	28.5	1.0
500	GP1R	270	1	25.78	26.32	26.84	28.5	1.0
500	BQ4M2	1	1	29.82	30.52	31.17	29.5	2.5
500	BSQ4M2			29.43	30.17	30.80	29.5	4.5
Frequency (MHz)								
500	PR4-BSM2			25.41	26.00	26.61	27.5	0.5
500	PR4-BSM2			26.41	26.94	27.48	27.5	0.5
500	PR4-BSM2			27.41	27.94	28.48	27.5	0.5
500	PR4-BSM2			28.41	28.94	29.48	27.5	0.5
500	Frequency (MHz)			26.62	27.00	27.38		
500	PR4-BSM2			27.62	28.00	28.38		
500	Frequency (MHz)			50.002	51.808	53.606		
500	Frequency (MHz)			51.00	52.80	53.80		
500	Frequency (MHz)			25.41	26.00	26.61		
500	PR4-BSM2			26.41	26.94	27.48	27.5	0.5
500	PR4-BSM2			27.41	27.94	28.48	27.5	0.5
500	PR4-BSM2			28.41	28.94	29.48	27.5	0.5
500	PR4-BSM2			29.41	29.94	30.48	27.5	0.5
500	PR4-BSM2			30.41	30.94	31.48	27.5	0.5
500	PR4-BSM2			31.41	31.94	32.48	27.5	0.5
500	PR4-BSM2			32.41	32.94	33.48	27.5	0.5
500	PR4-BSM2			33.41	33.94	34.48	27.5	0.5
500	PR4-BSM2			34.41	34.94	35.48	27.5	0.5
500	PR4-BSM2			35.41	35.94	36.48	27.5	0.5
500	PR4-BSM2			36.41	36.94	37.48	27.5	0.5
500	PR4-BSM2			37.41	37.94	38.48	27.5	0.5
500	PR4-BSM2			38.41	38.94	39.48	27.5	0.5
500	PR4-BSM2			39.41	39.94	40.48	27.5	0.5
500	PR4-BSM2			40.41	40.94	41.48	27.5	0.5
500	PR4-BSM2			41.41	41.94	42.48	27.5	0.5
500	PR4-BSM2			42.41	42.94	43.48	27.5	0.5
500	PR4-BSM2			43.41	43.94	44.48	27.5	0.5
500	PR4-BSM2			44.41	44.94	45.48	27.5	0.5
500	PR4-BSM2			45.41	45.94	46.48	27.5	0.5
500	PR4-BSM2			46.41	46.94	47.48	27.5	0.5
500	PR4-BSM2			47.41	47.94	48.48	27.5	0.5
500	PR4-BSM2			48.41	48.94	49.48	27.5	0.5
500	PR4-BSM2			49.41	49.94	50.48	27.5	0.5
500	PR4-BSM2			50.41	50.94	51.48	27.5	0.5
500	PR4-BSM2			51.41	51.94	52.48	27.5	0.5
500	PR4-BSM2			52.41	52.94	53.48	27.5	0.5
500	PR4-BSM2			53.41	53.94	54.48	27.5	0.5
500	PR4-BSM2			54.41	54.94	55.48	27.5	0.5
500	PR4-BSM2			55.41	55.94	56.48	27.5	0.5
500	PR4-BSM2			56.41	56.94	57.48	27.5	0.5
500	PR4-BSM2			57.41	57.94	58.48	27.5	0.5
500	PR4-BSM2			58.41	58.94	59.48	27.5	0.5
500	PR4-BSM2			59.41	59.94	60.48	27.5	0.5
500	PR4-BSM2			60.41	60.94	61.48	27.5	0.5
500	PR4-BSM2			61.41	61.94	62.48	27.5	0.5
500	PR4-BSM2			62.41	62.94	63.48	27.5	0.5
500	PR4-BSM2			63.41	63.94	64.48	27.5	0.5
500	PR4-BSM2			64.41	64.94	65.48	27.5	0.5
500	PR4-BSM2			65.41	65.94	66.48	27.5	0.5
500	PR4-BSM2			66.41	66.94	67.48	27.5	0.5
500	PR4-BSM2			67.41	67.94	68.48	27.5	0.5
500	PR4-BSM2			68.41	68.94	69.48	27.5	0.5
500	PR4-BSM2			69.41	69.94	70.48	27.5	0.5
500	PR4-BSM2			70.41	70.94	71.48	27.5	0.5
500	PR4-BSM2			71.41	71.94	72.48	27.5	0.5
500	PR4-BSM2			72.41	72.94	73.48	27.5	0.5
500	PR4-BSM2			73.41	73.94	74.48	27.5	0.5
500	PR4-BSM2			74.41	74.94	75.48	27.5	0.5
500	PR4-BSM2			75.41	75.94	76.48	27.5	0.5
500	PR4-BSM2			76.41	76.94	77.48	27.5	0.5
500	PR4-BSM2			77.41	77.94	78.48	27.5	0.5
500	PR4-BSM2			78.41	78.94	79.48	27.5	0.5
500	PR4-BSM2			79.41	79.94	80.48	27.5	0.5
500	PR4-BSM2			80.41	80.94	81.48	27.5	0.5
500	PR4-BSM2			81.41	81.94	82.48	27.5	0.5
500	PR4-BSM2			82.41	82.94	83.48	27.5	0.5
500	PR4-BSM2			83.41	83.94	84.48	27.5	0.5
500	PR4-BSM2			84.41	84.94	85.48	27.5	0.5
500	PR4-BSM2			85.41	85.94	86.48	27.5	0.5
500	PR4-BSM2			86.41	86.94	87.48	27.5	0.5
500	PR4-BSM2			87.41	87.94	88.48	27.5	0.5
500	PR4-BSM2			88.41	88.94	89.48	27.5	0.5
500	PR4-BSM2			89.41	89.94	90.48	27.5	0.5
500	PR4-BSM2			90.41	90.94	91.48	27.5	0.5
500	PR4-BSM2			91.41	91.94	92.48	27.5	0.5
500	PR4-BSM2			92.41	92.94	93.48	27.5	0.5
500	PR4-BSM2			93.41	93.94	94.48	27.5	0.5
500	PR4-BSM2			94.41	94.94	95.48	27.5	0.5
500	PR4-BSM2			95.41	95.94	96.48	27.5	0.5
500	PR4-BSM2			96.41	96.94	97.48	27.5	0.5
500	PR4-BSM2			97.41	97.94	98.48	27.5	0.5
500	PR4-BSM2			98.41	98.94	99.48	27.5	0.5
500	PR4-BSM2			99.41	99.94	100.48	27.5	0.5
500	PR4-BSM2			100.41	100.94	101.48	27.5	0.5
500	PR4-BSM2			101.41	101.94	102.48	27.5	0.5
500	PR4-BSM2			102.41	102.94	103.48	27.5	0.5
500	PR4-BSM2			103.41	103.94	104.48	27.5	0.5
500	PR4-BSM2			104.41	104.94	105.48	27.5	0.5
500	PR4-BSM2			105.41	105.94	106.48	27.5	0.5
500	PR4-BSM2			106.41	106.94	107.48	27.5	0.5
500	PR4-BSM2			107.41	107.94	108.48	27.5	0.5
500	PR4-BSM2			108.41	108.94	109.48	27.5	0.5
500	PR4-BSM2			109.41	109.94	110.48	27.5	0.5
500	PR4-BSM2			110.41	110.94	111.48	27.5	0.5
500	PR4-BSM2			111.41	111.94	112.48	27.5	0.5
500	PR4-BSM2			112.41	112.94	113.48	27.5	0.5
500	PR4-BSM2			113.41	113.94	114.48	27.5	0.5
500	PR4-BSM2			114.41	114.94	115.48	27.5	0.5
500	PR4-BSM2			115.41	115.94	116.48	27.5	0.5
500	PR4-BSM2			116.41	116.94	117.48	27.5	0.5
500	PR4-BSM2			117.41	117.94	118.48	27.5	0.5
500	PR4-BSM2			118.41	118.94	119.48	27.5	0.5
500	PR4-BSM2			119.41	119.94	120.48	27.5	0.5
500	PR4-BSM2			120.41	120.94	121.48	27.5	0.5
500	PR4-BSM2			121.41	121.94	122.48	27.5	0.5
500	PR4-BSM2			122.41	122.94	123.48	27.5	0.5
500	PR4-BSM2			123.41	123.94	124.48	27.5	0.5
500	PR4-BSM2			124.41	124.94	125.48	27.5	0.5
500	PR4-BSM2			125.41	125.94	126.48	27.5	0.5
500	PR4-BSM2			126.41	126.94	127.48	27.5	0.5
500	PR4-BSM2			127.41	127.94	128.48	27.5	0.5
500	PR4-BSM2			128.41	128.94	129.48	27.5	0.5
500	PR4-BSM2			129.41	129.94	130.48	27.5	0.5
500	PR4-BSM2			130.41	130.94	131.48	27.5	0.5
500	PR4-BSM2			131.41	131.94	132.48	27.5	0.5
500	PR4-BSM2			132.41	132.94	133.48	27.5	0.5
500	PR4-BSM2			133.41	133.94	134.48	27.5	0.5
500	PR4-BSM2			134.41	134.94	135.48	27.5	0.5
500	PR4-BSM2			135.41	135.94	136.48	27.5	0.5
500	PR4-BSM2			136.41	136.94	137.48	27.5	0.5
500	PR4-BSM2			137.41	137.94	138.48	27.5	0.5
500	PR4-BSM2			138.41	138.94	139.48	27.5	0.5
500	PR4-BSM2			139.41	139.94	140.48	27.5	0.5
500	PR4-BSM2			140.41	140.94	141.48	27.5	0.5
500	PR4-BSM2			141.41	141.94	142.48	27.5	0.5
500	PR4-BSM2			142.41	142.94	143.48	27.5	0.5
500	PR4-BSM2			143.41	143.94	144.48	27.5	0.5
500	PR4-BSM2			144.41	144.94	145.48	27.5	0.5
500	PR4-BSM2			145.41	145.94	146.48	27.5	0.5
500	PR4-BSM2			146.41	146.94	147.48	27.5	0.5
500	PR4-BSM2			147.41	147.94	148.48	27.5	0.5
500	PR4-BSM2			148.41	148.94	149.48	27.5	0.5
500	PR4-BSM2			149.41	149.94	150.48	27.5	0.5
500	PR4-BSM2			150.41	150.94	151.48	27.5	0.5
500	PR4-BSM2			151.41	151.94	152.48	27.5	0.5
500	PR4-BSM2			152.41	152.94	153.48	27.5	0.5
500	PR4-BSM2			153.41	153.94	154.48	27.5	0.5
500	PR4-BSM2			154.41	154.94	155.48	27.5	0.5
500	PR4-BSM2			155.41	155.94	156.48	27.5	0.5
500								

n48_Ant 7									
Bit Plane	Modulation	Ref Sig	Ref Offset	Power Cof, Ch, Freq	Power Cof, Ch, Freq	Power Cof, Ch, Freq	Timing Start, Stop	MSE	
Channel				836000	84 8660	843320			
-40	PID (Pilot)	0	1	24.58	24.45	24.45			
-40	PID (Pilot)	1	55	24.45	24.28	24.27	25.0	0	
-40	PID (Pilot)	50	54	24.45	24.43	24.43	25.0	0.0	
-40	PID (Pilot)	50	0	24.43	24.34	24.35	25.0	0.0	
-40	PID (Pilot)	50	26	24.48	24.20	24.20	25.0	0.0	
-40	PID (Pilot)	50	5	24.45	24.30	24.29	25.0	0.0	
-40	CPilot	1	1	24.54	24.56	24.54			
-40	CPilot	1	55	24.53	24.51	24.54			
-40	CPilot	1	104	24.54	24.52	24.52			
-40	CPilot	1	50	24.53	24.50	24.50			
-40	CPilot	50	26	24.43	24.25	24.27	25.0	0.0	
-40	CPilot	50	5	24.52	24.37	24.37	25.0	0.0	
-40	CPilot	50	0	24.53	24.38	24.38	25.0	0.0	
-40	CPilot	50	26	24.47	24.01	24.00	25.0	0.0	
-40	CPilot	50	5	24.52	24.48	24.50	25.0	2.5	
-40	CPilot	50	0	24.53	24.33	24.33	25.0	4.5	
Channel				837324	84 8666	844000			
-30	PID (Pilot)	0	1	24.51	24.44	24.44	25.0	0.0	
-30	PID (Pilot)	1	55	24.51	24.35	24.35	25.0	0.0	
-30	PID (Pilot)	50	54	24.45	24.43	24.43	25.0	0.0	
-30	PID (Pilot)	50	0	24.45	24.43	24.43	25.0	0.0	

n48_Ant 8									
Bit Plan	Modulation	RB Size	RB Config	Power (dBm)	Power (dBm) Ch. 1/Ch. 2	Power (dBm) Ch. 1/Ch. 2	Power (dBm) Ch. 1/Ch. 2	Turn-on delay (ms)	WPA Key
Channel									
Frequency									
40	16QAM	1	9A	21.47	21.47	21.47	21.52		WPA
40	16QAM	1	9B	21.26	21.52	21.52	21.5	23.0	0.0
40	16QAM	50	9A	21.37	21.37	21.37	21.37		WPA
40	16QAM	50	9B	21.34	21.34	21.34	21.33		WPA
40	16QAM	50	20A	21.43	21.43	21.50	21.50		WPA
40	16QAM	50	20B	21.34	21.34	21.34	21.34	23.0	0.0
40	16QAM	100	9A	21.35	21.32	21.40	21.40		WPA
40	QPSK	1	9A	21.50	21.49	21.50	21.50		WPA
40	QPSK	1	9B	21.49	21.50	21.50	21.50	23.0	0.0
40	QPSK	1	10A	21.19	21.34	21.34	21.34		WPA
40	QPSK	50	9A	21.35	21.35	21.35	21.35		WPA
40	QPSK	50	20A	21.42	21.43	21.47	21.47	23.0	0.0
40	QPSK	50	50A	21.32	21.43	21.44	21.44		WPA
40	QPSK	50	50B	21.46	21.46	21.47	21.47	23.0	0.0
40	16QAM	1	9A	21.44	21.38	21.21	21.21	23.0	0.0
40	16QAM	1	9B	21.37	21.34	21.29	21.29	23.0	0.0
40	16QAM	1	9C	21.50	21.51	21.51	21.51	23.0	0.0
Channel									
Frequency									
20	16QAM	1	9A	21.53	21.53	21.49	21.50		WPA
20	16QAM	1	9B	21.50	21.50	21.50	21.50		WPA
20	16QAM	1	9C	21.51	21.51	21.51	21.51		WPA
10	16QAM	1	9A	21.21	21.53	21.53	21.53	23.0	0.0



n48_Ant 9									
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch. [Freq.]	Power Main Ch. [Freq.]	Power High Ch. [Freq.]	Turn-on time (min)	MFR (dB)	
Channel									
Frequency (MHz)				16.70	16.84.99	16.79.98			
40	P12 BPSK	1	1	17.00	17.01	17.00			
40	P12 BPSK	1	53	16.76	16.80	17.00	18.0	0.0	
40	P12 BPSK	1	104	16.80	17.01	17.04			
40	P12 BPSK	50	0	16.90	16.90				
40	P12 BPSK	50	26	17.01	16.90	17.00	18.0	0.0	
40	P12 BPSK	50	56	16.79	16.88	16.92	18.0	0.0	
40	P12 BPSK	100	0	17.00	16.90	17.00			
40	QPSK	1	1	16.97	16.85	16.84			
40	QPSK	1	53	16.80	16.97	17.00	18.0	0.0	
40	QPSK	1	104	16.81	17.00	17.00			
40	QPSK	50	0	16.86	16.80	17.00			
40	QPSK	50	26	16.79	16.84	17.00	18.0	0.0	
40	QPSK	50	56	16.80	16.92	16.90			
40	QPSK	100	0	16.71	16.91	17.01	18.0	0.0	
40	16QAM	1	1	16.86	17.00	17.04	18.0	0.0	
40	16QAM	1	1	16.81	17.00	17.07	18.0	0.0	
40	256QAM	1	1	16.90	16.92	16.97	18.0	0.0	
Channel									
Frequency (MHz)				16.70	16.84.99	16.84.98			
20	P12 BPSK	1	1	16.89	16.76	17.00	18.0	0.0	
Channel									
Frequency (MHz)				16.70	16.84.99	16.84.98			
10	P12 BPSK	1	1	16.83	16.81	17.00	18.0	0.0	

n48_Ant 10									
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch. [Freq.]	Power Main Ch. [Freq.]	Power High Ch. [Freq.]	Turn-on time (min)	MFR (dB)	
Channel									
Frequency (MHz)				16.70	16.84.99	16.79.98			
40	P12 BPSK	1	1	22.64	22.64	22.64			
40	P12 BPSK	1	53	22.40	22.62	22.48	24.0	0.0	
40	P12 BPSK	1	104	22.40	22.61	22.67			
40	P12 BPSK	50	0	22.40	22.61	22.49	24.0	0.0	
40	P12 BPSK	50	26	22.61	22.61	22.61	24.0	0.0	
40	P12 BPSK	100	0	22.60	22.47	22.40			
40	QPSK	1	1	22.50	22.50	22.41	24.0	0.0	
40	QPSK	1	53	22.61	22.56	22.51	24.0	0.0	
40	QPSK	1	104	22.51	22.46	22.50			
40	QPSK	50	0	22.40	22.56	22.47			
40	QPSK	50	26	22.61	22.49	22.48	24.0	0.0	
40	QPSK	50	56	22.50	22.46	22.34			
40	QPSK	100	0	22.40	22.44	22.38	24.0	0.0	
40	16QAM	1	1	22.54	22.60	22.46	24.0	0.0	
40	16QAM	1	1	22.60	22.60	22.26	23.0	0.0	
40	256QAM	1	1	16.90	16.80	16.70	21.0	2.0	
Channel									
Frequency (MHz)				16.70	16.80	16.90	18.0	MFR (dB)	
20	P12 BPSK	1	1	22.50	22.54	22.55	24.0	0.0	
Channel									
Frequency (MHz)				16.70	16.84.99	16.84.98			
10	P12 BPSK	1	1	22.34	22.62	22.59	24.0	0.0	

Part270_n77_Ant 7									
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch. [Freq.]	Power Main Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)				24.9000	24.8000	24.9000			
100	P12 BPSK	1	1	24.81	24.80	24.79			
100	P12 BPSK	1	137	24.90	24.81	24.79	26.0	0.0	
100	P12 BPSK	1	271	24.76	24.83	24.73			
100	P12 BPSK	135	0	24.80	24.75	24.60	26.0	0.0	
100	P12 BPSK	135	80	24.80	24.70	24.71	26.0	0.0	
100	P12 BPSK	135	136	24.76	24.78	24.74	26.0	0.0	
100	P12 BPSK	270	0	24.83	24.82	24.79	26.0	0.0	
100	QPSK	1	1	24.80	24.81	24.80			
100	QPSK	1	137	24.90	24.78	24.72	26.0	0.0	
100	QPSK	1	271	24.77	24.83	24.78			
100	QPSK	135	0	24.80	24.78	24.63	26.0	0.0	
100	QPSK	135	80	24.80	24.70	24.77	26.0	0.0	
100	QPSK	135	136	24.74	24.72	24.70			
100	QPSK	270	0	24.81	24.79	24.71	26.0	0.0	
100	16QAM	1	1	24.78	24.80	24.72	26.0	0.0	
100	16QAM	1	1	24.80	24.80	24.81	25.0	1.0	
100	256QAM	1	1	21.96	21.87	21.79	23.0	3.0	
Channel									
Frequency (MHz)				24.8000	24.8000	24.8000	18.0	MFR (dB)	
50	P12 BPSK	1	1	24.80	24.83	24.81	26.0	0.0	
Channel									
Frequency (MHz)				24.8000	24.8000	24.8000	18.0	MFR (dB)	
80	P12 BPSK	1	1	24.79	24.81	24.83	20.0	0.0	
Channel									
Frequency (MHz)				24.7000	24.8000	24.8000	18.0	MFR (dB)	
70	P12 BPSK	1	1	24.83	24.80	24.80	20.0	0.0	
Channel									
Frequency (MHz)				24.8000	24.8000	24.8000	18.0	MFR (dB)	
60	P12 BPSK	1	1	24.83	24.80	24.80	18.0	0.0	
Channel									
Frequency (MHz)				24.7000	24.8000	24.8000	18.0	MFR (dB)	
50	P12 BPSK	1	1	24.77	24.80	24.79	20.0	0.0	
Channel									
Frequency (MHz)				24.8000	24.8000	24.8000	18.0	MFR (dB)	
40	P12 BPSK	1	1	24.79	24.80	24.84	20.0	0.0	
Channel									
Frequency (MHz)				24.7680	24.8000	24.8332	18.0	MFR (dB)	
30	P12 BPSK	1	1	24.80	24.58	24.54	20.0	0.0	
Channel									
Frequency (MHz)				24.7324	24.8000	24.8086	18.0	MFR (dB)	
20	P12 BPSK	1	1	24.78	24.80	24.80	20.0	0.0	
Channel									
Frequency (MHz)				24.7168	24.8000	24.8332	18.0	MFR (dB)	
15	P12 BPSK	1	1	24.77	24.57	24.59	20.0	0.0	
Channel									
Frequency (MHz)				24.7000	24.8000	24.8000	18.0	MFR (dB)	
10	P12 BPSK	1	1	24.83	24.50	24.52	20.0	0.0	

Part270_n77(HPUe)_Ant 7									
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch. [Freq.]	Power Main Ch. [Freq.]	Power High Ch. [Freq.]	Turn-on time (min)	MFR (dB)	
Channel									
Frequency (MHz)				24.90	24.80	24.90			
100	P12 BPSK	1	1	25.00	25.00	25.00			
100	P12 BPSK	1	137	25.07	25.00	25.00	27.0	0.0	
100	P12 BPSK	1	271	25.76	25.80	25.79			
100	P12 BPSK	135	0	25.78	25.84	25.75	27.0	0.0	
100	P12 BPSK	135	80	25.80	25.80	25.71	27.0	0.0	
100	P12 BPSK	135	136	25.72	25.78	25.69	27.0	0.0	
100	P12 BPSK	270	0	25.81	25.80	25.79	27.0	0.0	
100	QPSK	1	1	25.80	25.80	25.81			
100	QPSK	1	137	25.83	25.80	25.84	27.0	0.0	
100	QPSK	1	271	25.70	25.81	25.83			
100	QPSK	135	0	25.83	25.82	25.47	27.0	0.0	
100	QPSK	135	80	25.73	25.77	25.70			
100	QPSK	135	136	25.42	25.83	25.41			
100	QPSK	270	0	25.80	25.80	25.79	26.0	0.0	
100	16QAM	1	1	25.73	25.80	25.80	26.0	0.0	
100	16QAM	1	1	24.14	24.05	24.06	25.0	2.0	
100	256QAM	1	1	21.96	21.86	21.79	23.0	4.0	
Channel									
Frequency (MHz)				24.80	24.80	24.80	18.0	MFR	
50	P12 BPSK	1	1	25.83	25.83	25.80	27.0	0.0	
Channel									
Frequency (MHz)				24.80	24.80	24.80	18.0	MFR	
80	P12 BPSK	1	1	25.82	25.81	25.80	27.0	0.0	
Channel									
Frequency (MHz)				24.70	24.80	24.80	18.0	MFR	
70	P12 BPSK	1	1	25.68	25.80	25.77	27.0	0.0	
Channel									
Frequency (MHz)				24.80	24.80	24.80	18.0	MFR	
60	P12 BPSK	1	1	25.78	25.80	25.79	27.0	0.0	
Channel									
Frequency (MHz)				24.70	24.8				
50	P12 BPSK	1	1	25.79	25.79	25.79	27.0	0.0	
Channel									
Frequency (MHz)				24.70	24.8	24.79	27.0	0.0	
40	P12 BPSK	1	1	25.78	25.78	25.78	27.0	0.0	
Channel									
Frequency (MHz)				24.70	24.8	24.79	27.0	0.0	
30	P12 BPSK	1	1	25.79	25.80	25.80	27.0	0.0	
Channel									
Frequency (MHz)				24.734	24.80	24.80	27.0	0.0	
20	P12 BPSK	1	1	25.77	25.81	25.77	27.0	0.0	
Channel									
Frequency (MHz)				24.736	24.80	24.734	27.0	0.0	
15	P12 BPSK	1	1	25.78	25.80	25.80	27.0	0.0	
Channel									
Frequency (MHz)				24.700	25.80	25.80	27.0	0.0	
10	P12 BPSK	1	1	25.65	25.78	25.83	27.0	0.0	



Part270_n77_Ant 8										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mid Ch. (Freq.)	Power High Ch. (Freq.)	Turnup (ms)	MFR (dB)		
Channel										
Frequency (MHz)				3750000	3840000	3930000				
100	P102 BPSK	1	1	20.48	20.41	20.43				
100	P102 BPSK	1	137	20.39	20.41	20.39	21.5	0.0		
100	P102 BPSK	1	271	20.42	20.32	20.35				
100	P102 BPSK	155	0	20.31	20.36	20.33	21.5	0.0		
100	P102 BPSK	155	86	20.35	20.41	20.43	21.5	0.0		
100	P102 BPSK	155	138	20.37	20.28	20.27				
100	P102 BPSK	210	0	20.29	20.41	20.33	21.5	0.0		
100	QPSK	1	1	20.38	20.34	20.22				
100	QPSK	1	137	20.38	20.38	20.42	21.5	0.0		
100	QPSK	1	271	20.40	20.30	20.40				
100	QPSK	155	0	20.18	20.33	20.18				
100	QPSK	155	86	20.42	20.43	20.39	21.5	0.0		
100	QPSK	155	138	20.29	20.32	20.23				
100	QPSK	210	0	20.27	20.34	20.27	21.5	0.0		
100	16QAM	1	1	20.40	20.40	20.38	21.5	0.0		
100	256QAM	1	1	20.38	20.38	20.43	21.5	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3934.98	limit	MFR (dB)		
50	P102 BPSK	1	1	20.18	20.21	20.28	21.5	0.0		
Channel				3743.13	3840	3936.87	limit	MFR (dB)		
Frequency (MHz)				3743.01	3840	3936.99	limit	MFR (dB)		
80	P102 BPSK	1	1	20.38	20.38	20.38	21.5	0.0		
Channel				3735	3840	3945	limit	MFR (dB)		
70	P102 BPSK	1	1	20.32	20.28	20.34	21.5	0.0		
Channel				3730.02	3840	3949.98	limit	MFR (dB)		
60	P102 BPSK	1	1	20.28	20.28	20.31	21.5	0.0		
Channel				646334	656000	665666	limit	MFR (dB)		
Frequency (MHz)				646334	656000	665666	limit	MFR (dB)		
50	P102 BPSK	1	1	20.21	20.34	20.34	21.5	0.0		
Channel				646000	656000	665666	limit	MFR (dB)		
40	P102 BPSK	1	1	20.18	20.29	20.37	21.5	0.0		
Channel				647688	656000	664832	limit	MFR (dB)		
Frequency (MHz)				647688	656000	664832	limit	MFR (dB)		
30	P102 BPSK	1	1	20.25	20.24	20.35	21.5	0.0		
Channel				647334	656000	664866	limit	MFR (dB)		
20	P102 BPSK	1	1	20.29	20.25	20.35	21.5	0.0		
Channel				647168	656000	664832	limit	MFR (dB)		
Frequency (MHz)				647168	656000	664832	limit	MFR (dB)		
15	P102 BPSK	1	1	20.39	20.25	20.38	21.5	0.0		
Channel				647000	656000	665000	limit	MFR (dB)		
Frequency (MHz)				647000	656000	665000	limit	MFR (dB)		
10	P102 BPSK	1	1	20.29	20.17	20.38	21.5	0.0		

Part270_n77(HPUE)_Ant 8										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mid Ch. (Freq.)	Power High Ch. (Freq.)	Turn-up (ms)	MFR (dB)		
Channel										
Frequency (MHz)										
100	P102 BPSK	1	1	20.48	20.41	20.43				
100	P102 BPSK	1	137	20.39	20.41	20.39	21.5	0.0		
100	P102 BPSK	1	271	20.42	20.32	20.35				
100	P102 BPSK	155	0	20.31	20.36	20.33	21.5	0.0		
100	P102 BPSK	155	86	20.43	20.41	20.41	21.5	0.0		
100	P102 BPSK	155	138	20.37	20.28	20.27	21.5	0.0		
100	P102 BPSK	210	0	20.29	20.41	20.33	21.5	0.0		
100	QPSK	1	1	20.39	20.34	20.22				
100	QPSK	1	137	20.38	20.38	20.42	21.5	0.0		
100	QPSK	1	271	20.40	20.30	20.40				
100	QPSK	155	0	20.18	20.33	20.18				
100	QPSK	155	86	20.42	20.43	20.39	21.5	0.0		
100	QPSK	155	138	20.29	20.32	20.23				
100	QPSK	210	0	20.27	20.34	20.27	21.5	0.0		
100	16QAM	1	1	20.40	20.40	20.38	21.5	0.0		
100	16QAM	1	1	20.38	20.38	20.43	21.5	0.0		
100	256QAM	1	1	20.29	20.38	20.38	21.5	0.0		
Channel										
Frequency (MHz)				3745.02	3840	3934.98	limit	MFR (dB)		
50	P102 BPSK	1	1	20.18	20.21	20.28	21.5	0.0		
Channel				3743.13	3840	3936.87	limit	MFR (dB)		
Frequency (MHz)				3743.01	3840	3936.99	limit	MFR (dB)		
80	P102 BPSK	1	1	20.38	20.38	20.38	21.5	0.0		
Channel				3735	3840	3945	limit	MFR (dB)		
70	P102 BPSK	1	1	20.32	20.28	20.34	21.5	0.0		
Channel				3730.02	3840	3949.98	limit	MFR (dB)		
60	P102 BPSK	1	1	20.28	20.28	20.31	21.5	0.0		
Channel				646334	656000	665666	limit	MFR (dB)		
Frequency (MHz)				646334	656000	665666	limit	MFR (dB)		
50	P102 BPSK	1	1	20.21	20.34	20.34	21.5	0.0		
Channel				646000	656000	665666	limit	MFR (dB)		
40	P102 BPSK	1	1	20.18	20.29	20.37	21.5	0.0		
Channel				647688	656000	664832	limit	MFR (dB)		
Frequency (MHz)				647688	656000	664832	limit	MFR (dB)		
30	P102 BPSK	1	1	20.25	20.24	20.35	21.5	0.0		
Channel				647334	656000	664866	limit	MFR (dB)		
20	P102 BPSK	1	1	20.29	20.25	20.35	21.5	0.0		
Channel				647168	656000	664832	limit	MFR (dB)		
Frequency (MHz)				647168	656000	664832	limit	MFR (dB)		
15	P102 BPSK	1	1	20.39	20.25	20.38	21.5	0.0		
Channel				647000	656000	665000	limit	MFR (dB)		
Frequency (MHz)				647000	656000	665000	limit	MFR (dB)		
10	P102 BPSK	1	1	20.29	20.17	20.38	21.5	0.0		

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Mid Ch. (Freq.)	Power High Ch. (Freq.)	Turn-up (ms)	MFR (dB)		
Channel										
Frequency (MHz)										
100	P102 BPSK	1	1	13.48	13.51	13.50				
100	P102 BPSK	1	137	13.34	13.29	13.29	14.5			0.0
100	P102 BPSK	1	271	13.38	13.29	13.23				
100	P102 BPSK	155	0	13.42	13.31	13.29	14.5			0.0
100	P102 BPSK	155	86	13.35	13.32	13.30	14.5			0.0
100	P102 BPSK	155	138	13.19	13.29	13.29	14.5			0.0
100	P102 BPSK	210	0	13.33	13.27	13.24	14.5			0.0
100	QPSK	1	1	13.32	13.29	13.30				
100	QPSK	1	137	13.44	13.34	13.28	14.5			0.0
100	QPSK	1	271	13.38	13.33	13.34				
100	QPSK	155	0	13.29	13.34	13.28				
100	QPSK	155	86	13.41	13.36	13.28	14.5			0.0
100	QPSK	155	138	13.27	13.29	13.13				
100	QPSK	210	0	13.27	13.31	13.45	14.5			0.0
100	16QAM	1	1	13.36	13.30	13.30				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				
100	16QAM	1	137	13.46	13.35	13.30	14.5			0.0
100	16QAM	1	271	13.40	13.30	13.24				



Part270_n77_Ant 10										
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up time (ms)	MFR (dB)		
Channel										
				3750	3840	3930				
100	P12 BPSK	1	1	22.03	22.02	22.02				
100	P12 BPSK	1	137	22.78	22.79	22.79	24.0	0.0		
100	P12 BPSK	1	271	22.08	22.07	22.73				
100	P12 BPSK	155	0	22.82	22.71	22.79	24.0	0.0		
100	P12 BPSK	155	66	22.01	22.01	22.04	24.0	0.0		
100	P12 BPSK	155	138	22.77	22.78	22.81	24.0	0.0		
100	P12 BPSK	210	0	22.08	22.08	22.08				
100	QPSK	1	1	22.04	22.06	22.08				
100	QPSK	1	137	22.86	22.87	22.73	24.0	0.0		
100	QPSK	1	271	22.05	22.04	22.81				
100	QPSK	155	0	22.86	22.80	22.77				
100	QPSK	155	66	22.76	22.83	22.88	24.0	0.0		
100	QPSK	155	138	22.05	22.81	22.82				
100	QPSK	210	0	22.09	22.86	22.53	24.0	0.0		
100	16QAM	1	1	22.06	22.06	22.02	24.0	0.0		
100	16QAM	1	1	22.06	22.04	22.78	24.0	0.0		
100	256QAM	1	1	21.82	21.88	21.87	23.0	1.0		
Channel										
				3745.02	3840	3934.98				
50	P12 BPSK	1	1	22.01	22.04	22.88	24.0	0.0		
				3743.11	3840	3935.89				
				3743.01	3840	3935.99				
80	P12 BPSK	1	1	22.87	22.78	22.96	24.0	0.0		
				3735	3840	3945				
70	P12 BPSK	1	1	22.86	22.81	22.88	24.0	0.0		
				3730.02	3840	3940.98				
60	P12 BPSK	1	1	22.84	22.78	22.88	24.0	0.0		
				648334	650000	651666				
				648334	650000	651666				
50	P12 BPSK	1	1	22.78	22.78	22.78	24.0	0.0		
				648000	650000	652000				
				648000	650000	652000				
40	P12 BPSK	1	1	22.82	22.86	22.83	24.0	0.0		
				647688	650000	652332				
				647688	650000	652332				
30	P12 BPSK	1	1	22.89	22.82	22.92	24.0	0.0		
				647334	650000	652666				
				647334	650000	652666				
20	P12 BPSK	1	1	22.77	22.95	22.89	24.0	0.0		
				647166	650000	652832				
				647166	650000	652832				
15	P12 BPSK	1	1	22.83	22.86	22.79	24.0	0.0		
				647000	650000	653000				
				647000	650000	653000				
10	P12 BPSK	1	1	22.84	22.75	22.90	24.0	0.0		

Part270_n77(HPUe)_Ant 10										
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-on time (ms)	MFR (dB)		
Channel										
				37500	38400	39300				
100	P12 BPSK	1	1	22.03	22.02	22.02				
100	P12 BPSK	1	137	22.78	22.79	22.79	24.0	0.0		
100	P12 BPSK	1	271	22.08	22.07	22.73				
100	P12 BPSK	155	0	22.82	22.71	22.79	24.0	0.0		
100	P12 BPSK	155	66	22.01	22.01	22.04	24.0	0.0		
100	P12 BPSK	155	138	22.77	22.78	22.81	24.0	0.0		
100	P12 BPSK	210	0	22.08	22.08	22.08				
100	QPSK	1	1	22.04	22.06	22.08				
100	QPSK	1	137	22.88	22.87	22.73	24.0	0.0		
100	QPSK	1	271	22.05	22.04	22.81				
100	QPSK	155	0	22.86	22.80	22.77				
100	QPSK	155	66	22.76	22.83	22.88	24.0	0.0		
100	QPSK	155	138	22.05	22.81	22.82				
100	QPSK	210	0	22.09	22.86	22.53	24.0	0.0		
100	16QAM	1	1	22.06	22.06	22.02	24.0	0.0		
100	16QAM	1	1	22.06	22.04	22.78	24.0	0.0		
100	256QAM	1	1	21.82	21.88	21.87	23.0	1.0		
Channel										
				3745.02	3840	3934.98				
50	P12 BPSK	1	1	22.01	22.04	22.88	24.0	0.0		
				3743.11	3840	3935.89				
				3743.01	3840	3935.99				
80	P12 BPSK	1	1	22.87	22.78	22.96	24.0	0.0		
				3735	3840	3945				
70	P12 BPSK	1	1	22.86	22.81	22.88	24.0	0.0		
				3730.02	3840	3940.98				
60	P12 BPSK	1	1	22.84	22.78	22.88	24.0	0.0		
				648334	650000	651666				
				648334	650000	651666				
50	P12 BPSK	1	1	22.78	22.78	22.78	24.0	0.0		
				648000	650000	652000				
				648000	650000	652000				
40	P12 BPSK	1	1	22.82	22.86	22.83	24.0	0.0		
				647688	650000	652332				
				647688	650000	652332				
30	P12 BPSK	1	1	22.89	22.82	22.92	24.0	0.0		
				647334	650000	652666				
				647334	650000	652666				
20	P12 BPSK	1	1	22.77	22.95	22.89	24.0	0.0		
				647166	650000	652832				
				647166	650000	652832				
15	P12 BPSK	1	1	22.83	22.86	22.79	24.0	0.0		
				647000	650000	653000				
				647000	650000	653000				
10	P12 BPSK	1	1	22.84	22.75	22.90	24.0	0.0		

Part270_n78_Ant 7										
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [F.Freq.]	Power Mid Ch. [F.Freq.]	Power High Ch. [F.Freq.]	Turn-up time (ms)	MFR (dB)		
Channel										
Frequency [Hz]										
100	P12 BPSK	1	1	24.85						
100	P12 BPSK	1	137	24.75			24.0	0.0		
100	P12 BPSK	1	271	24.60						
100	P12 BPSK	155	0	24.69			24.0	0.0		
100	P12 BPSK	155	66	24.63			24.0	0.0		
100	P12 BPSK	155	138	24.47			24.0	0.0		
100	QPSK	1	1	24.81						
100	QPSK	1	137	24.73			24.0	0.0		
100	QPSK	1	271	24.60						
100	QPSK	155	0	24.67						
100	QPSK	155	66	24.44			24.0	0.0		
100	QPSK	155	138	24.44						
100	QPSK	210	0	24.69			24.0	0.0		
100	16QAM	1	1	24.71			24.0	0.0		
100	16QAM	1	1	24.67			24.0	1.0		
100	256QAM	1	1	21.86			23.0	3.0		
Channel										
				34.9955	350000	350045			MFR	
	Frequency [Hz]			34.970	35000	35040			MFR	
50	P12 BPSK	1	1	24.81	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
	Frequency [Hz]			34.970	35000	35040			MFR	
50	P12 BPSK	1	1	24.81	24.76	24.76	24.0	0.0		
	Channel			34.9955	350000	350045			MFR	
	Frequency [Hz]			34.970	35000	35040			MFR	
10	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73	24.76	24.76	24.0	0.0		
	Channel			34.9954	350000	350046			MFR	
50	P12 BPSK	1	1	24.73						

Part270_n78_Ant 8								
Bit (MHz)	Modulation	HS Size	HS Offset	Power (dBm) Tx (Ch)	Power (dBm) Rx (Ch)	Power (dBm) Rx (Ref)	Turn-on latency (dBm)	MFR (dB)
Channel								
100	Frequency (MHz)	1	1	25.00				
100	P102-MFR	1	1	25.30			21.5	0.0
100	P102-MFR	1	1	25.30			21.5	0.0
100	P102-MFR	135	0	25.30			21.5	0.0
100	P102-MFR	135	66	25.30			21.5	0.0
100	P102-MFR	135	108	25.30			21.5	0.0
100	P102-MFR	270	0	25.30			21.5	0.0
100	QPSK	1	1	25.35				
100	QPSK	1	1	25.35			21.5	0.0
100	MFR	1	211	25.13				
100	MFR	135	6	25.22			21.5	0.0
100	MFR	135	108	25.22			21.5	0.0
100	QPSK	135	108	25.15				
100	QPSK	270	0	25.18			21.5	0.0
100	QPSK	270	0	25.20			21.5	0.0
100	8QAM	1	2	25.21			21.5	0.0
100	8QAM	1	2	25.26			21.5	0.0
Channel				54.695	54.695	50.023		
	Frequency (MHz)			37.50	37.50	37.54	21.5	0.0
50	P102-MFR	1	1	25.30	25.30	25.30	21.5	0.0
50	P102-MFR	1	1	25.30	25.30	25.30	21.5	0.0
50	Frequency (MHz)			37.50	37.50	37.50	21.5	0.0
50	P102-MFR	1	1	25.30	25.30	25.30	21.5	0.0
50	P102-MFR	1	1	25.30	25.30	25.30	21.5	0.0
50	Frequency (MHz)			37.50	37.50	37.50	21.5	0.0
70	P102-MFR	1	1	25.30	25.30	25.30	21.5	0.0
70	P102-MFR	1	1	25.30	25.30	25.30	21.5	0.0
70	Frequency (MHz)			37.50	37.50	37.54	21.5	0.0
80	P102-MFR	1	1	25.30	25.30	25.30	21.5	0.0
80	Frequency (MHz)			37.50	37.50	37.54	21.5	0.0
80	Frequency (MHz)			37.50	37.50	37.54	21.5	0.0
80	Channel			54.634	54.634	50.066		
80	Frequency (MHz)			37.50	37.50	37.54	21.5	0.0
80	Frequency (MHz)			37.50	37.50	37.54	21.5	0.0
80	Channel			54.695	54.695	50.020		
80	Frequency (MHz)			37.50	37.50	37.54	21.5	0.0
80	Frequency (MHz)			37.50	37.50	37.54	21.5	0.0
40	P102-MFR	1	1	25.30	25.30	25.30	21.5	0.0
40	Channel			54.668	54.668	50.032		
40	Frequency (MHz)			37.50	37.50	37.54	21.5	0.0
30	P102-MFR	1	1	25.15	25.15	25.15	21.5	0.0
30	Channel			54.734	54.734	50.066		
30	Frequency (MHz)			37.50	37.50	37.54	21.5	0.0
20	P102-MFR	1	1	25.15	25.15	25.15	21.5	0.0
20	Channel			54.768	54.768	50.032		
20	Frequency (MHz)			37.50	37.50	37.54	21.5	0.0
15	P102-MFR	1	1	25.15	25.15	25.15	21.5	0.0
15	Channel			54.760	54.760	50.030		
15	Frequency (MHz)			37.50	37.50	37.54	21.5	0.0
10	P102-MFR	1	1	25.26	25.26	25.26	21.5	0.0

Part270_n78(HPUPE)_Ant 8								
Bit (MHz)	Modulation	RB Size	RB Offset	Power Flux (dBm) Ch. Power	Power Flux (dBm) Ch. Power	Power Flux (dBm) Ch. Power	Turnup time (sec)	MFR (dB)
Channel								
100	Freq (MHz)	1	1	20.20	20.20			
100	Freq (MHz)	1	1.67	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	1	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	1.67	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	3.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	5.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	6.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	8.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	10.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	11.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	13.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	15.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	16.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	18.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	20.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	21.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	23.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	25.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	26.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	28.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	30.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	31.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	33.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	35.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	36.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	38.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	40.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	41.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	43.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	45.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	46.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	48.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	50.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	51.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	53.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	55.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	56.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	58.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	60.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	61.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	63.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	65.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	66.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	68.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	70.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	71.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	73.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	75.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	76.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	78.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	80.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	81.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	83.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	85.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	86.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	88.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	90.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	91.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	93.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	95.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	96.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	98.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	100.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	101.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	103.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	105.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	106.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	108.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	110.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	111.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	113.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	115.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	116.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	118.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	120.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	121.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	123.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	125.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	126.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	128.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	130.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	131.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	133.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	135.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	136.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	138.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	140.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	141.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	143.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	145.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	146.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	148.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	150.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	151.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	153.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	155.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	156.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	158.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	160.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	161.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	163.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	165.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	166.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	168.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	170.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	171.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	173.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	175.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	176.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	178.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	180.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	181.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	183.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	185.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	186.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	188.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	190.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	191.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	193.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	195.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	196.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	198.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	200.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	201.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	203.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	205.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	206.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	208.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	210.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	211.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	213.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	215.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	216.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	218.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	220.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	221.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	223.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	225.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	226.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	228.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	230.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	231.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	233.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	235.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	236.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	238.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	240.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	241.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	243.33	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	245.00	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	246.66	20.20	20.20	21.5	0.0	
100	Freq (MHz)	1.67	248.33	20.20	20.20	21.5	0.0	
100								

[illegible]

Part270_n78(HPUe)_Ant 9									
SRF [MHz]	Modulation	RF Sigs	RF Out	Power Ch. Power	Power Ch. Power	Power Ch. Power	Turnup Time [s]	AFR [dB]	
Channel									
100	RF Frequency	1	1						
100	RF BPSK	1	1/37	13.30	13.30	13.30	14.5	0.0	
100	RF BPSK	135	1/37	13.30	13.30	13.30	14.5	0.0	
100	RF BPSK	135	0	13.30	13.30	13.30	14.5	0.0	
100	RF BPSK	135	0	13.30	13.30	13.30	14.5	0.0	
100	RF BPSK	270	0	13.31	13.31	13.31	14.5	0.0	
100	QPSK	1	1	13.35	13.35	13.35	14.5	0.0	
100	QPSK	135	1/37	13.35	13.35	13.35	14.5	0.0	
100	QPSK	135	0	13.43	13.43	13.43	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	135	0	13.42	13.42	13.42	14.5	0.0	
100	QPSK	270	0	13.38	13.38	13.38	14.5	0.0	
100	QPSK	1	1	13.42	13.42	13.42	14.5	0.0	
100	QPSK	135	0</						

Part27O_n78_Ant 10									
SN [MHz]	Modulation	RB Size	RB Offset	Power Ch. 1 [dBm]	Power Ch. 2 [dBm]	Power Ch. 3 [dBm]	Turnup Time [ms]	MFR (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	22.85					
100	P12 BPSK	1	137	22.87			24.0	0.0	
100	P12 BPSK	1	271	22.83					
100	P12 BPSK	135	8	22.86			24.0	0.0	
100	P12 BPSK	135	85	22.85			24.0	0.0	
100	P12 BPSK	135	138	22.81			24.0	0.0	
100	P12 BPSK	270	0	22.88					
100	QPSK	1	1	22.75					
100	QPSK	1	137	22.94			24.0	0.0	
100	QPSK	1	271	22.78					
100	QPSK	135	8	22.82					
100	QPSK	135	85	22.84			24.0	0.0	
100	QPSK	135	138	22.87					
100	QPSK	270	0	22.82			24.0	0.0	
100	16QAM	1	1	22.84			24.0	0.0	
100	256QAM	1	1	22.87			24.0	0.0	
100	256QAM	1	1	21.89			23.0	1.0	
Channel									
Frequency (MHz)									
90	P12 BPSK	1	1	22.83	22.91	22.78	24.0	0.0	
Channel									
Frequency (MHz)									
80	P12 BPSK	1	1	22.75	22.86	22.78	24.0	0.0	
Channel									
Frequency (MHz)									
70	P12 BPSK	1	1	22.77	22.84	22.78	24.0	0.0	
Channel									
Frequency (MHz)									
60	P12 BPSK	1	1	22.67	22.78	22.78	24.0	0.0	
Channel									
Frequency (MHz)									
50	P12 BPSK	1	1	22.73	22.81	22.74	24.0	0.0	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	22.78	22.82	22.78	24.0	0.0	
Channel									
Frequency (MHz)									
30	P12 BPSK	1	1	22.80	22.82	22.78	24.0	0.0	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	22.84	22.85	22.78	24.0	0.0	
Channel									
Frequency (MHz)									
15	P12 BPSK	1	1	22.82	22.88	22.78	24.0	0.0	
Channel									
Frequency (MHz)									
10	P12 BPSK	1	1	22.74	22.84	22.78	24.0	0.0	

Part27O_n78(HPUE)_Ant 10									
SN [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Modem Ch. [Freq.]	Power High Ch. [Freq.]	Time-up (ms)	MFR (dB)	
Channel									
Frequency (MHz)				855000					
100	P12 BPSK	1	1	22.85					
100	P12 BPSK	1	137	22.87			24.0	0.0	
100	P12 BPSK	1	271	22.83					
100	P12 BPSK	135	8	22.86			24.0	0.0	
100	P12 BPSK	135	85	22.85			24.0	0.0	
100	P12 BPSK	135	138	22.81			24.0	0.0	
100	P12 BPSK	270	0	22.88					
100	QPSK	1	1	22.75					
100	QPSK	1	137	22.94			24.0	0.0	
100	QPSK	1	271	22.78					
100	QPSK	135	8	22.82					
100	QPSK	135	85	22.84			24.0	0.0	
100	QPSK	135	138	22.87					
100	QPSK	270	0	22.82			24.0	0.0	
100	16QAM	1	1	22.84			24.0	0.0	
100	256QAM	1	1	22.87			24.0	0.0	
100	256QAM	1	1	21.89			23.0	1.0	
Channel									
Frequency (MHz)				3745.00	3750	3754.98	(ms)	MFR	(dB)
90	P12 BPSK	1	1	22.83	22.91	22.78	24.0	0.0	
Channel									
Frequency (MHz)				3740.01	3750	3749.99	(ms)	MFR	(dB)
80	P12 BPSK	1	1	22.75	22.86	22.78	24.0	0.0	
Channel									
Frequency (MHz)				3735	3750	3765	(ms)	MFR	(dB)
70	P12 BPSK	1	1	22.77	22.84	22.78	24.0	0.0	
Channel									
Frequency (MHz)				3730.02	3750	3750.98	(ms)	MFR	(dB)
60	P12 BPSK	1	1	22.67	22.78	22.78	24.0	0.0	
Channel									
Frequency (MHz)				655334	655996	655996	(ms)	MFR	(dB)
50	P12 BPSK	1	1	22.73	22.81	22.74	24.0	0.0	
Channel									
Frequency (MHz)				648000	650000	650000	(ms)	MFR	(dB)
40	P12 BPSK	1	1	22.78	22.82	22.78	24.0	0.0	
Channel									
Frequency (MHz)				647688	650000	650000	(ms)	MFR	(dB)
30	P12 BPSK	1	1	22.80	22.82	22.78	24.0	0.0	
Channel									
Frequency (MHz)				647334	650000	650000	(ms)	MFR	(dB)
20	P12 BPSK	1	1	22.84	22.85	22.78	24.0	0.0	
Channel									
Frequency (MHz)				647166	650000	650000	(ms)	MFR	(dB)
15	P12 BPSK	1	1	22.82	22.88	22.78	24.0	0.0	
Channel									
Frequency (MHz)				647000	650000	650000	(ms)	MFR	(dB)
10	P12 BPSK	1	1	22.74	22.84	22.78	24.0	0.0	



5G NR Power for State 13

n2_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mute Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
36	PB2 BPSK	1	1	21.43	21.63	21.52			
20	PB2 BPSK	1	53	21.39	21.62	21.52	23.0	0.0	
20	PB2 BPSK	1	104	21.31	21.61	21.53			
20	PB2 BPSK	50	0	21.40	21.57	21.54	23.0	0.0	
20	PB2 BPSK	50	28	21.40	21.60	21.50	23.0	0.0	
20	PB2 BPSK	50	56	21.40	21.60	21.50	23.0	0.0	
20	PB2 BPSK	100	0	21.34	21.63	21.56			
20	QPSK	1	1	21.45	21.55	21.61			
20	QPSK	1	53	21.64	21.38	21.62	23.0	0.0	
20	QPSK	1	104	21.54	21.56	21.49			
20	QPSK	50	0	21.40	21.60	21.50	23.0	0.0	
20	QPSK	50	28	21.41	21.52	21.61	23.0	0.0	
20	QPSK	50	56	21.40	21.60	21.42	23.0	0.0	
20	QPSK	100	0	21.37	21.62	21.52	23.0	0.0	
20	SSB-M	1	1	21.69	21.65	21.52	23.0	0.0	
20	SSB-M	1	1	21.64	21.64	21.65	23.0	0.0	
20	SSB-M	1	1	20.08	20.03	20.54	21.0	1.5	
Channel									
Frequency (MHz)									
15	PB2 BPSK	1	1	21.50	21.62	21.58	23.0	0.0	
Channel									
Frequency (MHz)									
10	PB2 BPSK	1	1	21.43	21.63	21.63	23.0	0.0	
Channel									
Frequency (MHz)									
5	PB2 BPSK	1	1	21.58	21.38	21.60	23.0	0.0	

n2_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mute Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
36	PB2 BPSK	1	1	24.30	24.30	24.37			
20	PB2 BPSK	1	53	24.24	24.48	24.18	26.0	0.0	
20	PB2 BPSK	1	104	24.30	24.30	24.30			
20	PB2 BPSK	50	0	24.18	24.44	24.20	25.5	0.5	
20	PB2 BPSK	50	28	24.20	24.40	24.27	26.0	0.0	
20	PB2 BPSK	50	56	24.20	24.40	24.20	25.5	0.5	
20	PB2 BPSK	100	0	24.18	24.47	24.20	25.5	0.5	
20	QPSK	1	1	24.26	24.40	24.41			
20	QPSK	1	53	24.57	24.51	24.14	26.0	0.0	
20	QPSK	1	104	24.40	24.40	24.13			
20	QPSK	50	0	24.21	24.40	24.34	26.0	1.0	
20	QPSK	50	28	24.21	24.30	24.09	26.0	0.0	
20	QPSK	50	56	24.27	24.44	24.07	25.0	1.0	
20	QPSK	100	0	24.10	24.47	24.30	25.0	1.0	
20	HQPSK	1	1	24.48	24.47	24.48	25.0	1.0	
20	HQPSK	1	1	22.62	22.67	22.69	23.5	2.5	
20	HQPSK	1	1	20.74	20.05	20.84	21.5	4.5	
Channel									
Frequency (MHz)									
15	PB2 BPSK	1	1	24.34	24.51	24.29	26.0	0.0	
Channel									
Frequency (MHz)									
10	PB2 BPSK	1	1	24.30	24.49	24.19	26.0	0.0	
Channel									
Frequency (MHz)									
5	PB2 BPSK	1	1	24.30	24.40	24.28	26.0	0.0	

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mute Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PB2 BPSK	1	1	24.33	24.47	24.50			
20	PB2 BPSK	1	53	24.15	24.12	24.09	26.0	0.0	
20	PB2 BPSK	1	104	24.53	24.11	24.53			
20	PB2 BPSK	50	0	24.23	24.18	24.16	25.5	0.5	
20	PB2 BPSK	50	28	24.10	24.50	24.24	26.0	0.0	
20	PB2 BPSK	50	56	24.10	24.09	24.08	25.5	0.5	
20	PB2 BPSK	100	0	24.28	24.28	24.18			
20	QPSK	1	1	24.34	24.26	24.50			
20	QPSK	1	53	24.24	24.17	24.17	26.0	0.0	
20	QPSK	1	104	24.11	24.10	24.10			
20	QPSK	50	0	24.33	24.26	24.24	26.0	1.0	
20	QPSK	50	28	24.22	24.10	24.10	26.0	0.0	
20	QPSK	50	56	24.16	24.10	24.08	25.0	1.0	
20	QPSK	100	0	24.28	24.10	24.16	26.0	1.0	
20	SSB-M	1	1	24.40	24.37	24.35	26.0	1.0	
20	SSB-M	1	1	22.95	22.69	22.92	23.5	2.5	
20	SSB-M	1	1	20.90	20.84	20.78	21.5	4.5	
Channel									
Frequency (MHz)									
15	PB2 BPSK	1	1	24.30	24.26	24.27	26.0	0.0	
Channel									
Frequency (MHz)									
10	PB2 BPSK	1	1	24.33	24.19	24.24	26.0	0.0	
Channel									
Frequency (MHz)									
5	PB2 BPSK	1	1	24.34	24.20	24.19	26.0	0.0	

n5_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mute Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PB2 BPSK	1	1	24.32	24.41	24.30			
20	PB2 BPSK	1	53	24.15	24.12	24.09	26.0	0.0	
20	PB2 BPSK	1	104	24.53	24.10	24.53			
20	PB2 BPSK	50	0	24.23	24.18	24.16	25.5	0.5	
20	PB2 BPSK	50	28	24.10	24.50	24.24	26.0	0.0	
20	PB2 BPSK	50	56	24.10	24.09	24.08	25.5	0.5	
20	PB2 BPSK	100	0	24.28	24.28	24.18			
20	QPSK	1	1	24.33	24.26	24.50			
20	QPSK	1	53	24.24	24.17	24.17	26.0	0.0	
20	QPSK	1	104	24.11	24.10	24.10			
20	QPSK	50	0	24.33	24.26	24.24	26.0	1.0	
20	QPSK	50	28	24.22	24.10	24.10	26.0	0.0	
20	QPSK	50	56	24.16	24.10	24.08	25.0	1.0	
20	QPSK	100	0	24.28	24.10	24.16	26.0	1.0	
20	SSB-M	1	1	24.40	24.37	24.35	26.0	1.0	
20	SSB-M	1	1	22.95	22.69	22.92	23.5	2.5	
20	SSB-M	1	1	20.90	20.84	20.78	21.5	4.5	
Channel									
Frequency (MHz)									
15	PB2 BPSK	1	1	24.30	24.26	24.27	26.0	0.0	
Channel									
Frequency (MHz)									
10	PB2 BPSK	1	1	24.33	24.19	24.24	26.0	0.0	
Channel									
Frequency (MHz)									
5	PB2 BPSK	1	1	24.34	24.20	24.19	26.0	0.0	



n7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch. Freq.	Power Mkdg Ch. Freq.	Power Hgt Ch. Freq.	Time-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PIQ2 BPSK	1	1	22.15	22.15	22.15			
40	PIQ2 BPSK	1	108	22.03	22.09	21.94	23.5	0.0	
40	PIQ2 BPSK	1	214	22.04	22.08	21.93			
40	PIQ2 BPSK	108	0	21.98	22.04	21.95	23.5	0.0	
40	PIQ2 BPSK	108	54	22.05	22.10	21.98			
40	PIQ2 BPSK	108	108	22.06	22.09	21.99	23.5	0.0	
40	PIQ2 BPSK	216	0	22.04	22.08	22.07			
40	QPSK	1	1	21.95	22.02	22.11			
40	QPSK	1	108	22.05	22.12	22.03	23.5	0.0	
40	QPSK	1	214	22.03	22.05	22.03			
40	QPSK	108	0	21.98	22.10	21.98	23.5	0.0	
40	QPSK	108	54	22.07	21.99	21.95	23.5	0.0	
40	QPSK	108	108	21.96	22.08	21.97	23.5	0.0	
40	QPSK	216	0	21.99	22.05	21.95			
40	SSB4M	1	1	21.94	22.12	22.10	23.5	0.0	
40	SSB4M	1	1	22.12	22.07	22.08	23.5	0.0	
40	SSB4M	1	1	22.08	22.14	22.05	21.5	2.0	
Channel									
30	PIQ2 BPSK	1	1	22.10	22.05	22.08	23.5	0.0	
Channel									
25	PIQ2 BPSK	1	1	22.12	22.10	22.07	23.5	0.0	
Channel									
30	PIQ2 BPSK	1	1	22.08	22.08	22.05	23.5	0.0	
Channel									
15	PIQ2 BPSK	1	1	22.04	21.98	21.92	23.5	0.0	
Channel									
10	PIQ2 BPSK	1	1	22.03	21.97	22.11	23.5	0.0	
Channel									
5	PIQ2 BPSK	1	1	22.09	21.99	22.09	23.5	0.0	

n7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch. Freq.	Power Mkdg Ch. Freq.	Power Hgt Ch. Freq.	Time-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PIQ2 BPSK	1	1	24.50	24.54	24.52			
40	PIQ2 BPSK	1	108	24.50	24.61	24.58	26.0	0.0	
40	PIQ2 BPSK	1	214	24.53	24.50	24.53			
40	PIQ2 BPSK	108	0	24.50	24.61	24.58	25.5	0.5	
40	PIQ2 BPSK	108	54	24.55	24.52	24.51	26.0	0.0	
40	PIQ2 BPSK	108	108	24.58	24.50	24.52	25.5	0.5	
40	PIQ2 BPSK	216	0	24.48	24.59	24.58			
40	QPSK	1	1	24.10	24.61	24.61			
40	QPSK	1	108	24.47	24.61	24.58	26.0	0.0	
40	QPSK	1	214	24.44	24.63	24.53			
40	QPSK	108	0	24.47	24.58	24.46	26.0	1.0	
40	QPSK	108	54	24.57	24.50	24.52	26.0	0.0	
40	QPSK	108	108	24.45	24.47	24.38	25.0	1.0	
40	QPSK	216	0	24.47	24.11	24.38			
40	SSB4M	1	1	24.48	24.46	24.57	25.0	1.0	
40	SSB4M	1	1	22.67	22.68	22.69	23.5	2.5	
40	SSB4M	1	1	23.98	23.97	23.75	21.5	4.5	
Channel									
30	PIQ2 BPSK	1	1	24.53	24.59	24.58	26.0	0.0	
Channel									
25	PIQ2 BPSK	1	1	24.47	24.59	24.59	26.0	0.0	
Channel									
30	PIQ2 BPSK	1	1	24.50	24.58	24.53	26.0	0.0	
Channel									
15	PIQ2 BPSK	1	1	24.50	24.64	24.57	26.0	0.0	
Channel									
10	PIQ2 BPSK	1	1	24.48	24.61	24.53	26.0	0.0	
Channel									
5	PIQ2 BPSK	1	1	24.43	24.58	24.52	26.0	0.0	

n12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch. Freq.	Power Mkdg Ch. Freq.	Power Hgt Ch. Freq.	Time-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	PIQ2 BPSK	1	1	24.65	24.67	24.72			
15	PIQ2 BPSK	1	40	25.01	25.10	25.16	26.0	0.0	
15	PIQ2 BPSK	1	77	24.97	24.93	24.95			
15	PIQ2 BPSK	36	0	23.77	23.97	24.07	26.5	0.5	
15	PIQ2 BPSK	36	22	24.84	25.14	25.02	26.0	0.0	
15	PIQ2 BPSK	36	43	24.92	24.97	24.99	25.5	0.5	
15	PIQ2 BPSK	75	0	24.17	24.37	24.38			
15	QPSK	1	1	24.89	24.86	24.70			
15	QPSK	1	40	25.02	25.10	25.16	26.0	0.0	
15	QPSK	1	77	24.98	25.00	24.94			
15	QPSK	36	0	23.30	23.60	23.68	26.0	1.0	
15	QPSK	36	22	24.87	24.97	25.00	26.0	0.0	
15	QPSK	36	43	24.86	24.11	24.19	26.0	1.0	
15	QPSK	75	0	23.72	23.81	23.89			
15	SSB4M	1	1	23.84	23.99	23.92	26.0	1.0	
15	SSB4M	1	1	22.29	22.30	22.33	23.5	2.5	
15	SSB4M	1	1	23.20	23.24	23.24	21.5	4.5	
Channel									
10	PIQ2 BPSK	1	1	24.48	24.53	24.51	26.0	0.0	
Channel									
5	PIQ2 BPSK	1	1	24.61	24.70	24.63	26.0	0.0	

n12_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Lvl Ch. Freq.	Power Mkdg Ch. Freq.	Power Hgt Ch. Freq.	Time-up Int. (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
15	PIQ2 BPSK	1	1	24.65	24.67	24.72					
15	PIQ2 BPSK	1	40	25.01	25.10	25.16	26.0	0.0			
15	PIQ2 BPSK	1	77	24.97	24.93	24.95					
15	PIQ2 BPSK	36	0	23.77	23.97	24.07	26.5	0.5			
15	PIQ2 BPSK	36	22	24.84	25.14	25.02	26.0	0.0			
15	PIQ2 BPSK	36	43	24.92	24.97	24.99	25.5	0.5			
15	PIQ2 BPSK	75	0	24.17	24.37	24.38					
15	QPSK	1	1	24.89	24.86	24.70					
15	QPSK	1	40	25.02	25.10	25.16	26.0	0.0			
15	QPSK	1	77	24.98	25.00	24.94					
15	QPSK	36	0	23.30	23.60	23.68	26.0	1.0			
15	QPSK	36	22	24.87	24.97	25.00	26.0	0.0			
15	QPSK	36	43	24.86	24.11	24.19	26.0	1.0			
15	QPSK	75	0	23.72	23.81	23.89					
15	SSB4M	1	1	23.84	23.99	23.92	26.0	1.0			
15	SSB4M	1	1	22.29	22.30	22.33	23.5	2.5			
15	SSB4M	1	1	23.20	23.24	23.24	21.5	4.5			
Channel											
10	PIQ2 BPSK	1	1	24.48	24.53	24.51	26.0	0.0			
Channel											
5	PIQ2 BPSK	1	1	24.61	24.70	24.63	26.0	0.0			



n13_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Max Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up time [dBm]	MPR [dB]			
Channel											
Frequency [MHz]											
10	P12-BPSK	1	1		24.50			20.0	0.0		
10	P12-BPSK	1	26		24.48						
10	P12-BPSK	1	36		24.53			25.0	0.5		
10	P12-BPSK	25	0		24.42						
10	P12-BPSK	25	14		24.45			25.0	0.0		
10	P12-BPSK	25	27		24.43						
10	P12-BPSK	50	0		24.42			25.5	0.5		
10	QPSK	1	1		24.28						
10	QPSK	1	26		24.30			26.0	0.0		
10	QPSK	1	50		24.47						
10	QPSK	1	26		24.30			26.0	0.0		
10	QPSK	25	0		24.81						
10	QPSK	25	14		24.47			26.0	0.0		
10	QPSK	25	27		23.88						
10	QPSK	50	0		23.76			25.0	1.0		
10	MSKAM	1	1		23.08						
10	MSKAM	1	1		21.78			25.0	2.5		
10	MSKAM	1	1		19.05						
Channel											
Frequency [MHz]											
5	P12-BPSK	1	1		24.52	24.48	24.50	26.0	0.0		

n13_Ant 2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turnup time [dBm]	MPR [dB]			
Channel											
Frequency [MHz]											
10	P12-BPSK	1	1		24.50			26.0	0.0		
10	P12-BPSK	1	26		24.48						
10	P12-BPSK	1	36		24.53			25.0	0.5		
10	P12-BPSK	25	0		24.42						
10	P12-BPSK	25	14		24.45			25.0	0.0		
10	P12-BPSK	25	27		24.43						
10	P12-BPSK	50	0		24.42			25.5	0.5		
10	QPSK	1	1		24.28						
10	QPSK	1	26		24.30			26.0	0.0		
10	QPSK	1	50		24.47						
10	QPSK	1	26		24.30			26.0	0.0		
10	QPSK	25	0		23.81						
10	QPSK	25	14		24.47			26.0	0.0		
10	QPSK	25	27		23.88						
10	QPSK	50	0		23.76			25.0	1.0		
10	MSKAM	1	1		23.08						
10	MSKAM	1	1		21.78			25.0	2.5		
10	MSKAM	1	1		19.05						
Channel											
Frequency [MHz]											
5	P12-BPSK	1	1		24.52	24.48	24.50	26.0	0.0		

n25_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Max Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up time [dBm]	MPR [dB]				
Channel												
Frequency [MHz]												
20	P12-BPSK	1	1	21.93	21.95	21.93	23.0	0.0				
20	P12-BPSK	1	53	21.78	21.62	21.40						
20	P12-BPSK	1	104	21.83	21.64	21.38	23.0	0.0				
20	P12-BPSK	50	0	21.90	21.58	21.40						
20	P12-BPSK	50	26	21.92	21.62	21.41	23.0	0.0				
20	P12-BPSK	50	86	21.85	21.57	21.35						
20	P12-BPSK	100	0	21.87	21.60	21.35	23.0	0.0				
20	QPSK	1	1	21.88	21.55	21.43						
20	QPSK	1	53	21.74	21.68	21.78	23.0	0.0				
20	QPSK	1	104	21.74	21.64	21.72						
20	QPSK	50	0	21.68	21.67	21.64	23.0	0.0				
20	QPSK	50	26	21.71	21.59	21.57						
20	QPSK	50	56	21.52	21.61	21.53	23.0	0.0				
20	QPSK	100	0	21.68	21.40	21.71						
20	MSKAM	1	1	21.62	21.60	21.69	23.0	0.0				
20	MSKAM	1	1	21.64	21.62	21.52						
20	MSKAM	1	1	20.25	20.20	20.08	21.5	1.5				
Channel												
Frequency [MHz]												
15	P12-BPSK	1	1	21.90	21.75	21.52	23.0	0.0				
Channel												
Frequency [MHz]												
10	P12-BPSK	1	1	21.90	21.77	21.49	23.0	0.0				
Channel												
Frequency [MHz]												
5	P12-BPSK	1	1	21.79	21.55	21.39	23.0	0.0				

n25_Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Max Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up time [dBm]	MPR [dB]				
Channel												
Frequency [MHz]												
20	P12-BPSK	1	1	22.10	22.08	22.05	26.0	0.0				
20	P12-BPSK	1	53	24.83	24.55	24.10						
20	P12-BPSK	1	104	24.82	24.52	24.20	26.0	0.0				
20	P12-BPSK	50	0	24.78	24.50	24.07						
20	P12-BPSK	50	26	24.90	24.43	24.21	26.0	0.0				
20	P12-BPSK	50	86	24.47	24.27	24.11						
20	P12-BPSK	100	0	24.82	24.31	24.13	25.5	0.5				
20	QPSK	1	1	24.47	24.28	24.26						
20	QPSK	1	53	24.85	24.57	24.17	26.0	0.0				
20	QPSK	1	104	24.40	24.29	24.08						
20	QPSK	50	0	24.84	24.40	24.23	26.0	1.0				
20	QPSK	50	26	24.85	24.37	24.15						
20	QPSK	50	56	24.70	24.25	24.12	25.0	1.0				
20	QPSK	100	0	24.82	24.33	24.14						
20	MSKAM	1	1	25.00	24.98	24.91	25.0	1.0				
20	MSKAM	1	1	23.47	23.25	23.05						
20	MSKAM	1	1	21.48	21.02	20.71	21.5	4.5				
Channel												
Frequency [MHz]												
15	P12-BPSK	1	1	25.05	24.50	24.28	26.0	0.0				
Channel												
Frequency [MHz]												
10	P12-BPSK	1	1	25.00	24.43	24.19	26.0	0.0				
Channel												
Frequency [MHz]												
5	P12-BPSK	1	1	24.98	24.41	24.21	26.0	0.0				



n26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up time [min]	MFR [dB]	
Channel									
Frequency [MHz]									
20	PI/2 BPSK	1	1	24.50	24.51	24.52			
20	PI/2 BPSK	1	53	24.52	24.53	24.51	25.0	0.0	
20	PI/2 BPSK	1	164	24.57	24.52	24.54			
20	PI/2 BPSK	50	0	24.53	24.51	24.48	25.0	0.5	
20	PI/2 BPSK	50	28	24.54	24.58	24.52	25.0	0.0	
20	PI/2 BPSK	50	56	24.52	24.52	24.52	25.5	0.5	
20	PI/2 BPSK	100	0	24.52	24.52	24.52			
20	QPSK	1	1	24.52	24.52	24.54			
20	QPSK	1	53	24.57	24.53	24.52	25.0	0.0	
20	QPSK	1	164	24.55	24.52	24.52			
20	QPSK	50	0	24.56	24.52	24.56	25.0	1.0	
20	QPSK	50	28	24.53	24.54	24.51	25.0	0.0	
20	QPSK	50	56	24.53	24.54	24.53	25.0	1.0	
20	QPSK	100	0	24.57	24.52	24.57			
20	16QAM	1	1	24.25	24.32	23.91	25.0	1.0	
20	16QAM	1	1	22.81	22.74	22.75	23.5	2.5	
20	16QAM	1	1	23.52	23.62	23.58	23.5	4.5	
Channel									
Frequency [MHz]									
15	PI/2 BPSK	1	1	24.53	24.54	24.57	25.0	0.0	
Channel									
Frequency [MHz]									
10	PI/2 BPSK	1	1	24.51	24.51	24.58	25.0	0.0	
Channel									
Frequency [MHz]									
5	PI/2 BPSK	1	1	24.48	24.51	24.55	25.0	0.0	

n26_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up time [min]	MFR [dB]	
Channel									
Frequency [MHz]									
20	PI/2 BPSK	1	1	24.51	24.51	24.52			
20	PI/2 BPSK	1	53	24.52	24.53	24.51	25.0	0.0	
20	PI/2 BPSK	1	164	24.57	24.52	24.54			
20	PI/2 BPSK	50	0	24.53	24.51	24.48	25.0	0.5	
20	PI/2 BPSK	50	28	24.54	24.58	24.52	25.0	0.0	
20	PI/2 BPSK	50	56	24.52	24.52	24.52	25.5	0.5	
20	PI/2 BPSK	100	0	24.52	24.52	24.52			
20	QPSK	1	1	24.52	24.52	24.54			
20	QPSK	1	53	24.57	24.53	24.52	25.0	0.0	
20	QPSK	1	164	24.55	24.52	24.52			
20	QPSK	50	0	24.56	24.52	24.56	25.0	1.0	
20	QPSK	50	28	24.53	24.54	24.51	25.0	0.0	
20	QPSK	50	56	24.53	24.54	24.53	25.0	1.0	
20	QPSK	100	0	24.57	24.52	24.57			
20	16QAM	1	1	24.25	24.32	23.91	25.0	1.0	
20	16QAM	1	1	22.81	22.74	22.75	23.5	2.5	
20	16QAM	1	1	23.52	23.62	23.58	23.5	4.5	
Channel									
Frequency [MHz]									
15	PI/2 BPSK	1	1	24.53	24.54	24.57	25.0	0.0	
Channel									
Frequency [MHz]									
10	PI/2 BPSK	1	1	24.51	24.51	24.58	25.0	0.0	
Channel									
Frequency [MHz]									
5	PI/2 BPSK	1	1	24.48	24.51	24.55	25.0	0.0	

n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up time [min]	MFR [dB]	
Channel									
Frequency [MHz]									
40	PI/2 BPSK	1	1	24.51	24.51	24.52			
40	PI/2 BPSK	1	108	24.51	24.48	24.49	25.0	0.0	
40	PI/2 BPSK	1	214	24.52	24.52	24.52			
40	PI/2 BPSK	108	0	24.51	24.51	24.53	25.5	0.5	
40	PI/2 BPSK	108	54	24.57	24.52	24.54	25.0	0.0	
40	PI/2 BPSK	108	108	24.48	24.47	24.48	25.5	0.5	
40	PI/2 BPSK	216	0	24.53	24.52	24.57			
40	QPSK	1	1	24.52	24.49	24.52			
40	QPSK	1	108	24.53	24.57	24.51	25.0	0.0	
40	QPSK	1	214	24.54	24.52	24.54			
40	QPSK	108	0	24.49	24.57	24.48	25.0	1.0	
40	QPSK	108	54	24.53	24.52	24.55	25.0	0.0	
40	QPSK	108	108	24.47	24.44	24.45	25.0	1.0	
40	QPSK	216	0	24.47	24.46	24.45			
40	16QAM	1	1	24.74	24.64	24.65	25.0	1.0	
40	16QAM	1	1	23.13	23.07	23.08	23.5	2.5	
40	16QAM	1	1	23.95	23.85	23.85	23.5	4.5	
Channel									
Frequency [MHz]									
20	PI/2 BPSK	1	1	24.50	24.50	24.50	25.0	0.0	
Channel									
Frequency [MHz]									
15	PI/2 BPSK	1	1	24.50	24.50	24.54	25.0	0.0	
Channel									
Frequency [MHz]									
10	PI/2 BPSK	1	1	24.49	24.77	24.82	25.0	0.0	
Channel									
Frequency [MHz]									
5	PI/2 BPSK	1	1	24.52	24.53	24.57	25.0	0.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up time [min]	MFR [dB]	
Channel									
Frequency [MHz]									
40	PI/2 BPSK	1	1	23.91	24.55	24.45			
40	PI/2 BPSK	1	108	24.51	24.86	24.49	25.0	0.0	
40	PI/2 BPSK	1	214	24.52	24.52	24.52			
40	PI/2 BPSK	108	0	24.51	24.81	24.53	25.5	0.5	
40	PI/2 BPSK	108	54	24.57	24.52	24.54	25.0	0.0	
40	PI/2 BPSK	108	108	24.48	24.47	24.48	25.5	0.5	
40	PI/2 BPSK	216	0	23.92	24.50	24.57			
40	QPSK	1	1	24.52	24.49	24.52			
40	QPSK	1	108	24.53	24.87	24.51	25.0	0.0	
40	QPSK	1	214	24.54	24.86	24.54			
40	QPSK	108	0	24.47	24.57	24.52	25.0	1.0	
40	QPSK	108	54	24.53	24.48	24.45	25.0	0.0	
40	QPSK	108	108	24.47	24.44	24.45	25.0	1.0	
40	QPSK	216	0	24.47	24.46	24.45			
40	16QAM	1	1	23.13	23.07	23.08	23.5	2.5	
40	16QAM	1	1	23.95	23.85	23.85	23.5	4.5	
Channel									
Frequency [MHz]									
20	PI/2 BPSK	1	1	24.50	24.50	24.50	25.0	0.0	
Channel									
Frequency [MHz]									
15	PI/2 BPSK	1	1	24.50	24.50	24.54	25.0	0.0	
Channel									
Frequency [MHz]									
10	PI/2 BPSK	1	1	24.49	24.77	24.82	25.0	0.0	
Channel									
Frequency [MHz]									
5	PI/2 BPSK	1	1	24.52	24.53	24.57	25.0	0.0	

n71_Ant 0									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch. F (MHz)	Power Main Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
30	P102 BPSK	1	1	24.50	24.87	24.50			
20	P102 BPSK	1	53	24.55	24.86	24.52	20.0		0.0
20	P102 BPSK	1	104	24.50	24.75	24.52			
20	P102 BPSK	50	0	24.52	24.84	24.21	20.5		0.5
20	P102 BPSK	50	26	24.52	24.85	24.52	20.0		0.0
20	P102 BPSK	50	56	24.50	24.24	23.86	20.5		0.5
20	P102 BPSK	100	0	24.67	24.82	24.70			
20	QPSK	1	1	24.55	24.85	24.85			
20	QPSK	1	53	24.52	24.85	24.85	20.0		0.0
20	QPSK	1	104	24.58	24.73	24.27			
20	QPSK	50	0	24.50	24.78	24.86	20.0		1.0
20	QPSK	50	26	24.52	24.84	24.08	20.0		0.0
20	QPSK	50	56	24.58	23.78	23.67	20.0		1.0
20	QPSK	100	0	24.75	24.87	23.50			
20	16QAM	1	1	24.20	24.86	24.44	20.0		1.0
20	16QAM	1	1	22.71	22.80	22.86	23.5		2.5
20	16QAM	1	1	21.45	21.26	20.85	21.5		4.5
Channel									
Frequency (MHz)									
15	P102 BPSK	1	1	24.50	24.86	24.47	20.0		0.0
Channel									
Frequency (MHz)									
10	P102 BPSK	1	1	24.47	24.59	24.44	20.0		0.0
Channel									
Frequency (MHz)									
5	P102 BPSK	1	1	24.49	24.87	24.42	20.0		0.0

n71_Ant 2									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch. F (MHz)	Power Main Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (min)	MPE (dB)	
Channel									
Frequency (MHz)									
20	P102 BPSK	1	1	24.50	24.87	24.50			
20	P102 BPSK	1	53	24.55	24.86	24.52	20.0		0.0
20	P102 BPSK	1	104	24.50	24.75	24.52			
20	P102 BPSK	50	0	24.52	24.84	24.21	20.5		0.5
20	P102 BPSK	50	26	24.52	24.85	24.52	20.0		0.0
20	P102 BPSK	50	56	24.50	24.24	23.86	20.5		0.5
20	P102 BPSK	100	0	24.61	24.82	24.70			
20	QPSK	1	1	24.55	24.85	24.85			
20	QPSK	1	53	24.52	24.85	24.85	20.0		0.0
20	QPSK	1	104	24.58	24.73	24.27			
20	QPSK	50	0	24.50	24.78	24.86	20.0		1.0
20	QPSK	50	26	24.52	24.84	24.08	20.0		0.0
20	QPSK	50	56	24.58	23.78	23.67	20.0		1.0
20	QPSK	100	0	24.75	24.87	23.50			
20	16QAM	1	1	24.20	24.86	24.44	20.0		1.0
20	16QAM	1	1	22.71	22.80	22.86	23.5		2.5
20	16QAM	1	1	21.45	21.26	20.85	21.5		4.5
Channel									
Frequency (MHz)									
15	P102 BPSK	1	1	24.50	24.86	24.47	20.0		0.0
Channel									
Frequency (MHz)									
10	P102 BPSK	1	1	24.47	24.59	24.44	20.0		0.0
Channel									
Frequency (MHz)									
5	P102 BPSK	1	1	24.49	24.87	24.42	20.0		0.0



n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up [ms]	MPE [dB]	
Channel									
Frequency [MHz]				21600.02	21600	21600.98			
40	P102 BPSK	1	1	22.24	22.26	22.28			
40	P102 BPSK	1	53	22.13	22.26	22.38	23.5	0.0	
40	P102 BPSK	1	104	22.22	22.27	22.18			
40	P102 BPSK	50	5	22.08	22.25	22.23	23.5	0.0	
40	P102 BPSK	50	26	22.21	22.28	22.09	23.5	0.0	
40	P102 BPSK	50	58	22.20	22.18	22.18	23.5	0.0	
40	P102 BPSK	100	0	22.19	22.26	22.19			
40	QPSK	1	1	22.17	22.21	22.12			
40	QPSK	1	53	22.09	22.25	22.07	23.5	0.0	
40	QPSK	1	104	22.13	22.23	22.20			
40	QPSK	50	5	22.09	22.24	22.19			
40	QPSK	50	26	22.08	22.20	22.19	23.5	0.0	
40	QPSK	50	58	22.15	22.28	22.08	23.5	0.0	
40	QPSK	100	0	22.13	22.21	22.21	23.5	0.0	
40	16QAM	1	1	22.16	22.23	22.16	23.5	0.0	
40	16QAM	1	1	22.19	22.26	22.21	23.5	0.0	
40	256QAM	1	1	20.69	20.83	20.66	21.0	2.0	
Channel									
Frequency [MHz]				21702.02	21700	21699.98			
30	P102 BPSK	1	1	22.19	22.25	22.21	23.5	0.0	
Channel									
Frequency [MHz]				21703.02	21700	21699.98			
20	P102 BPSK	1	1	22.12	22.26	22.11	23.5	0.0	
Channel									
Frequency [MHz]				21715.01	21695	21714.98			
15	P102 BPSK	1	1	22.13	22.20	22.13	23.5	0.0	
Channel									
Frequency [MHz]				21727.02	21695	21726.98			
10	P102 BPSK	1	1	22.17	22.26	22.18	23.5	0.0	

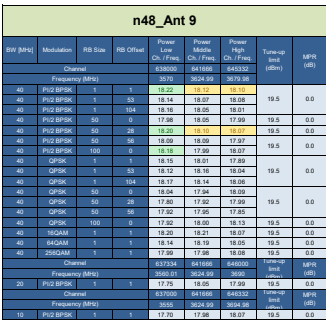
n38_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up [ms]	MPE [dB]	
Channel									
Frequency [MHz]				21600.02	21600	21600.98			
40	P102 BPSK	1	1	23.12	23.02	23.12			
40	P102 BPSK	1	53	23.19	23.08	23.02	25.0	0.0	
40	P102 BPSK	1	104	23.09	23.19	23.03			
40	P102 BPSK	50	5	23.02	23.04	23.00	25.0	0.0	
40	P102 BPSK	50	26	23.11	23.00	23.10	25.0	0.0	
40	P102 BPSK	50	56	23.00	23.01	23.47	25.0	0.0	
40	P102 BPSK	100	0	23.09	23.07	23.02			
40	QPSK	1	1	23.02	23.13	23.07			
40	QPSK	1	53	23.00	23.13	23.07	25.0	0.0	
40	QPSK	1	104	23.10	23.02	23.01			
40	QPSK	50	5	23.09	23.06	23.48			
40	QPSK	50	26	23.00	23.17	23.17	25.0	0.0	
40	QPSK	50	56	23.40	23.00	23.00			
40	QPSK	100	0	23.10	23.19	23.07	25.0	0.0	
40	16QAM	1	1	23.07	23.10	23.08	25.0	0.0	
40	16QAM	1	1	23.02	23.14	23.01	23.5	1.5	
40	256QAM	1	1	20.69	20.82	20.76	21.0	2.0	
Channel									
Frequency [MHz]				21710.02	21695	21699.98			
30	P102 BPSK	1	1	23.00	23.09	23.11	25.0	0.0	
Channel									
Frequency [MHz]				21690.02	21695	21690			
20	P102 BPSK	1	1	23.00	23.10	23.08	25.0	0.0	
Channel									
Frequency [MHz]				21671.01	21695	21672.49			
15	P102 BPSK	1	1	23.00	23.07	23.00	25.0	0.0	
Channel									
Frequency [MHz]				21653.02	21695	21654.98			
10	P102 BPSK	1	1	23.08	23.00	23.04	25.0	0.0	

n41_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-on [ms]	MPE [dB]	
Channel									
Frequency [MHz]				25040.01	25020	25020.99			
100	P102 BPSK	1	1	24.43	24.10	24.07			
100	P102 BPSK	1	137	24.38	24.03	24.03	26.0	0.0	
100	P102 BPSK	1	271	24.40	24.02	24.01			
100	P102 BPSK	100	0	24.09	24.00	24.00	26.0	0.0	
100	P102 BPSK	100	80	24.42	24.10	24.01	26.0	0.0	
100	P102 BPSK	100	136	24.15	24.00	24.02	26.0	0.0	
100	P102 BPSK	200	0	24.09	24.00	24.00			
100	QPSK	1	1	24.13	24.00	24.00			
100	QPSK	1	137	24.41	24.02	24.00	26.0	0.0	
100	QPSK	1	271	24.38	24.07	24.00			
100	QPSK	100	0	24.40	24.00	24.02			
100	QPSK	100	80	24.38	24.00	24.01	26.0	0.0	
100	QPSK	100	136	24.10	24.00	24.00			
100	QPSK	200	0	24.42	24.00	24.04	26.0	0.0	
100	16QAM	1	1	24.33	24.00	24.01	26.0	0.0	
100	64QAM	1	1	23.60	23.10	23.10	25.0	1.0	
100	256QAM	1	1	21.45	21.10	21.04	23.0	3.0	
Channel									
Frequency [MHz]				25040.01	25020	25020.99			
50	P102 BPSK	1	1	24.18	24.00	24.15	26.0	0.0	
Channel									
Frequency [MHz]				25030.02	25020	25030.99			
80	P102 BPSK	1	1	24.18	24.00	24.19	26.0	0.0	
Channel									
Frequency [MHz]				25031.01	25020	25030.99			
70	P102 BPSK	1	1	24.19	24.10	24.19	26.0	0.0	
Channel									
Frequency [MHz]				25029	25020	25029.99			
60	P102 BPSK	1	1	24.24	24.10	24.20	26.0	0.0	
Channel									
Frequency [MHz]				510200	510000	510000.99			
50	P102 BPSK	1	1	24.12	24.00	24.04	26.0	0.0	
40	P102 BPSK	1	1	24.43	24.20	24.19	26.0	0.0	
Channel									
Frequency [MHz]				510202	510000	510000.99			
40	P102 BPSK	1	1	24.13	24.20	24.12	26.0	0.0	
Channel									
Frequency [MHz]				510200	510000	510000.99			
30	P102 BPSK	1	1	24.10	24.24	24.10	26.0	0.0	
Channel									
Frequency [MHz]				510204	510000	510000.99			
20	P102 BPSK	1	1	24.38	24.37	24.26	26.0	0.0	

n41(HPUe)_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up [ms]	MPE [dB]	
Channel									
Frequency [MHz]				25040.01	25020	25040.99			
100	P102 BPSK	1	1	25.05	25.03	25.05			
100	P102 BPSK	1	137	25.04	25.00	25.00	27.5	0.0	
100	P102 BPSK	1	271	25.10	25.00	25.03			
100	P102 BPSK	100	0	25.09	25.00	25.01	27.0	0.0	
100	P102 BPSK	100	80	25.09	25.00	25.01	27.5	0.0	
100	P102 BPSK	100	136	25.19	25.00	25.04	27.0	0.0	
100	P102 BPSK	200	0	25.10	25.00	25.00			
100	QPSK	1	1	25.02	25.00	25.00			
100	QPSK	1	137	25.00	25.06	25.02	27.5	0.0	
100	QPSK	1	271	25.10	25.07	25.00			
100	QPSK	100	0	24.88	24.93	24.90			
100	QPSK	100	80	25.00	25.03	25.02	27.5	0.0	
100	QPSK	100	136	24.87	24.92	24.91			
100	QPSK	200	0	24.78	24.92	24.94	26.0	1.0	
100	16QAM	1	1	25.11	24.99	24.90	26.0	1.0	
100	16QAM	1	1	23.60	23.10	23.10	25.0	2.0	
100	256QAM	1	1	21.43	21.10	21.00	25.0	4.0	
Channel									
Frequency [MHz]				25041	25020	25040.99			
50	P102 BPSK	1	1	25.00	25.04	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25030.02	25020	25030.99			
80	P102 BPSK	1	1	25.10	25.07	25.05	27.5	0.0	
Channel									
Frequency [MHz]				25020.01	25000	25020.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25010.01	25000	25010.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1	1	25.00	25.00	25.00	27.5	0.0	
Channel									
Frequency [MHz]				25000.01	25000	25000.99			
10	P102 BPSK	1							



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up [ms]	MFR [dB]		
Channel										
Frequency [MHz]				350000	338000	349000				
				3540.01	3502.99	3540				
100	P12 BPSK	1	1	24.43	24.51	24.63				
100	P12 BPSK	1	137	24.39	24.63	24.63	20.0	0.0		
100	P12 BPSK	1	273	24.40	24.62	24.61				
100	P12 BPSK	155	0	24.66	24.65	24.66	20.0	0.0		
100	P12 BPSK	155	66	24.62	24.65	24.65	20.0	0.0		
100	P12 BPSK	155	134	24.75	24.66	24.62	20.0	0.0		
100	P12 BPSK	220	0	25.08	24.96	24.82				
100	QPSK	1	1	24.73	24.65	24.65				
100	QPSK	1	137	24.41	24.62	24.62	20.0	0.0		
100	QPSK	1	273	24.39	24.67	24.62				
100	QPSK	155	0	24.46	24.62	24.62				
100	QPSK	155	66	24.38	24.66	24.61	20.0	0.0		
100	QPSK	155	134	24.39	24.66	24.66				
100	QPSK	220	0	24.42	24.66	24.64	20.0	0.0		
100	16QAM	1	1	24.55	24.62	24.61	20.0	0.0		
100	16QAM	1	1	25.00	25.06	25.15	20.0	1.0		
100	256QAM	1	1	27.40	27.12	27.04	20.0	0.0		
Channel										
Frequency [MHz]				350000	338000	349000				
				3540.01	3502.99	3540				
50	P12 BPSK	1	1	24.76	24.66	24.75	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570.00				
80	P12 BPSK	1	1	24.76	24.66	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
70	P12 BPSK	1	1	24.76	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.01	3532.99	3570				
80	P12 BPSK	1	1	24.77	24.70	24.76	20.0	0.0		
Channel										
Frequency [MHz]				3570.02	3532.99	3570				
80	P12 BPSK	1								

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Part270_n77_Ant 8										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turn-up (ms)	MFR (dB)		
Channel										
Frequency (MHz)				3750	3840	3930				
100	P102 BPSK	1	1	22.85	22.92	22.93	24.0	0.0		
150	P102 BPSK	1	271	22.89	22.90	22.88				
100	P102 BPSK	1	271	22.89	22.88	22.89				
100	P102 BPSK	135	0	22.74	22.85	22.89	24.0	0.0		
100	P102 BPSK	135	86	22.82	22.91	22.93	24.0	0.0		
100	P102 BPSK	135	138	22.84	22.82	22.88	24.0	0.0		
100	P102 BPSK	270	0	22.86	22.86	22.86	24.0	0.0		
100	QPSK	1	1	22.83	22.86	22.91	24.0	0.0		
100	QPSK	1	137	22.79	22.82	22.83				
100	QPSK	1	271	22.92	22.86	22.83				
100	QPSK	135	0	22.89	22.76	22.85	24.0	0.0		
100	QPSK	135	86	22.72	22.77	22.82				
100	QPSK	135	138	22.89	22.82	22.90				
100	QPSK	270	0	22.84	22.72	22.85	24.0	0.0		
100	16QAM	1	1	22.86	22.86	22.86	24.0	0.0		
100	16QAM	1	1	22.90	22.91	22.87	24.0	0.0		
100	256QAM	1	1	21.83	21.94	21.81	23.0	1.0		
Channel										
Frequency (MHz)				3745.02	3840	3934.98	limit	MFR (dB)		
50	P102 BPSK	1	1	22.85	22.86	22.82	24.0	0.0		
Channel										
Frequency (MHz)				3742.13	3840	3934.98	limit	MFR (dB)		
Frequency (MHz)				3742.01	3840	3934.98	limit	MFR (dB)		
80	P102 BPSK	1	1	22.82	22.91	22.87	24.0	0.0		
Channel										
Frequency (MHz)				3735	3840	3945	limit	MFR (dB)		
70	P102 BPSK	1	1	22.87	22.92	22.85	24.0	0.0		
Channel										
Frequency (MHz)				3730.02	3840	3949.98	limit	MFR (dB)		
60	P102 BPSK	1	1	22.87	22.89	22.83	24.0	0.0		
Channel										
Frequency (MHz)				6463.04	65600	66560	limit	MFR (dB)		
Frequency (MHz)				6463.01	6460	6474.98	limit	MFR (dB)		
50	P102 BPSK	1	1	64.63	64.60	64.60	limit	MFR (dB)		
Channel										
Frequency (MHz)				64600	65600	66560	limit	MFR (dB)		
40	P102 BPSK	1	1	22.82	22.91	22.89	24.0	0.0		
Channel										
Frequency (MHz)				64768	65600	66432	limit	MFR (dB)		
Frequency (MHz)				64763.2	6460	6468.98	limit	MFR (dB)		
30	P102 BPSK	1	1	22.81	22.89	22.85	24.0	0.0		
Channel										
Frequency (MHz)				64734	65600	66466	limit	MFR (dB)		
20	P102 BPSK	1	1	22.82	22.91	22.82	24.0	0.0		
Channel										
Frequency (MHz)				64718	65600	66432	limit	MFR (dB)		
Frequency (MHz)				64713	6460	6474.98	limit	MFR (dB)		
15	P102 BPSK	1	1	22.80	22.84	22.91	24.0	0.0		
Channel										
Frequency (MHz)				64700	65600	66500	limit	MFR (dB)		
Frequency (MHz)				64695	6460	6470.98	limit	MFR (dB)		
10	P102 BPSK	1	1	22.81	22.83	22.88	24.0	0.0		

Part270_n77(HPUE)_Ant 8										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turn-up (ms)	MFR (dB)		
Channel										
Frequency (MHz)				3750	3840	3930				
100	P102 BPSK	1	1	22.85	22.92	22.93	24.0	0.0		
100	P102 BPSK	1	137	22.85	22.80	22.88				
100	P102 BPSK	1	271	22.89	22.88	22.89				
100	P102 BPSK	135	0	22.74	22.85	22.89	24.0	0.0		
100	P102 BPSK	135	86	22.82	22.91	22.93	24.0	0.0		
100	P102 BPSK	135	138	22.84	22.82	22.88	24.0	0.0		
100	P102 BPSK	270	0	22.86	22.86	22.86	24.0	0.0		
100	QPSK	1	1	22.83	22.86	22.91	24.0	0.0		
100	QPSK	1	137	22.79	22.82	22.83				
100	QPSK	1	271	22.92	22.86	22.83				
100	QPSK	135	0	22.89	22.76	22.85	24.0	0.0		
100	QPSK	135	86	22.72	22.77	22.82				
100	QPSK	135	138	22.89	22.82	22.90				
100	QPSK	270	0	22.84	22.72	22.85	24.0	0.0		
100	16QAM	1	1	22.86	22.86	22.86	24.0	0.0		
100	16QAM	1	1	22.90	22.91	22.87	24.0	0.0		
100	256QAM	1	1	21.80	21.94	21.81	23.0	1.0		
Channel										
Frequency (MHz)				3745.02	3840	3934.98	limit	MFR		
50	P102 BPSK	1	1	22.85	22.86	22.82	24.0	0.0		
Channel										
Frequency (MHz)				3742.13	3840	3934.98	limit	MFR		
Frequency (MHz)				3742.01	3840	3934.98	limit	MFR		
80	P102 BPSK	1	1	22.82	22.91	22.87	24.0	0.0		
Channel										
Frequency (MHz)				3735	3840	3945	limit	MFR		
70	P102 BPSK	1	1	22.87	22.92	22.85	24.0	0.0		
Channel										
Frequency (MHz)				3730.02	3840	3949.98	limit	MFR		
60	P102 BPSK	1	1	22.87	22.89	22.83	24.0	0.0		
Channel										
Frequency (MHz)				6463.04	65600	66560	limit	MFR		
Frequency (MHz)				6463.01	6460	6474.98	limit	MFR		
50	P102 BPSK	1	1	64.63	64.60	64.60	limit	MFR		
Channel										
Frequency (MHz)				64600	65600	66560	limit	MFR		
40	P102 BPSK	1	1	22.82	22.91	22.89	24.0	0.0		
Channel										
Frequency (MHz)				64768	65600	66432	limit	MFR		
Frequency (MHz)				64763.2	6460	6468.98	limit	MFR		
30	P102 BPSK	1	1	22.81	22.89	22.85	24.0	0.0		
Channel										
Frequency (MHz)				64734	65600	66466	limit	MFR		
20	P102 BPSK	1	1	22.82	22.91	22.82	24.0	0.0		
Channel										
Frequency (MHz)				64718	65600	66432	limit	MFR		
Frequency (MHz)				64713	6460	6474.98	limit	MFR		
15	P102 BPSK	1	1	22.80	22.84	22.91	24.0	0.0		
Channel										
Frequency (MHz)				64700	65600	66500	limit	MFR		
Frequency (MHz)				64695	6460	6470.98	limit	MFR		
10	P102 BPSK	1	1	22.81	22.83	22.88	24.0	0.0		

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turn-up (ms)	MFR (dB)		
Channel										
Frequency (MHz)				3750	3840					
100	PSS BPSK	1	0	13.04	14.05	14.11				
100	PSS BPSK	1	131	14.06	14.05	14.03			16.0	0.0
100	PSS BPSK	1	261	14.06	14.05	14.03			16.0	0.0
100	PSS BPSK	195	0	14.88	14.85	14.86			16.0	0.0
100	PSS BPSK	195	96	15.01	14.92	14.93			16.0	0.0
100	PSS BPSK	195	192	15.01	14.92	14.93			16.0	0.0
100	PSS BPSK	210	0	15.00	14.93	14.93			16.0	0.0
100	QPSK	137	0	14.96	14.77	14.83			16.0	0.0
100	QPSK	137	137	14.94	14.83	14.83			16.0	0.0
100	QPSK	1	271	14.84	14.82	14.87				
100	QPSK	137	271	14.84	14.82	14.87				
100	QPSK	135	65	14.80	14.76	14.77			16.0	0.0
100	QPSK	135	136	14.82	14.85	14.73				
100	QPSK	210	0	14.84	14.79	14.79			16.0	0.0
100	QPSK	210	96	14.86	14.97	15.02			16.0	0.0
100	QPSK	210	192	14.85	14.84	14.81			16.0	0.0
100	QPSK	210	288	14.85	14.85	14.85			16.0	0.0
Channel				38400	38500	38520				
80	PSS BPSK	1	0	14.87	14.82	14.82			16.0	0.0
Channel				38535	38550	38555				
80	PSS BPSK	1	0	14.87	14.82	14.82			16.0	0.0
Channel				38570	38585	38590				
70	PSS BPSK	1	0	14.88	14.84	14.84			16.0	0.0
Channel				38600	38605	38605				
60	PSS BPSK	1	0	14.86	14.80	14.80			16.0	0.0
Channel				38635	38650	38658				
50	PSS BPSK	1	0	14.86	14.80	14.79			16.0	0.0
Channel				38680	38685	38690				
40	PSS BPSK	1	0	14.78	14.77	14.74			16.0	0.0
Channel				38768	38800	38832				
30	PSS BPSK	1	0	14.72	14.71	14.63			16.0	0.0
Channel				38734	38800	38848				
20	PSS BPSK	1	0	14.76	14.82	14.79			16.0	0.0
Channel				38768	38800	38832				
15	PSS BPSK	1	0	14.70	14.88	14.90			16.0	0.0
Channel				38700	38800	38900				
10	PSS BPSK	1	0	14.78	14.80	14.81			16.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-on (ms)	MPE (dB)	
Channel									
Frequency (MHz)				3750	3640	3650			
100	PI2 BPSK	1	1	22.02	21.90	21.98	23.0	0.0	
100	PI2 BPSK	1	137	22.01	21.90	21.88	23.0	0.0	
100	PI2 BPSK	1	271	22.00	21.88	21.95	23.0	0.0	
100	PI2 BPSK	135	0	21.86	21.85	21.94	23.0	0.0	
100	PI2 BPSK	135	66	22.00	21.94	21.95	23.0	0.0	
100	PI2 BPSK	135	138	21.79	21.82	21.82	23.0	0.0	
100	PI2 BPSK	270	0	21.97	21.94	21.95	23.0	0.0	
100	QPSK	1	1	21.87	21.89	21.79	23.0	0.0	
100	QPSK	1	137	21.85	21.88	21.90	23.0	0.0	
100	QPSK	1	271	22.01	21.90	21.95	23.0	0.0	
100	QPSK	135	0	21.77	21.79	21.82	23.0	0.0	
100	QPSK	135	66	21.86	21.84	21.93	23.0	0.0	
100	QPSK	135	138	21.79	21.73	21.83	23.0	0.0	
100	QPSK	270	0	21.77	21.83	21.87	23.0	0.0	
100	16QAM	1	1	21.94	21.98	21.91	23.0	0.0	
100	256QAM	1	1	21.80	21.72	21.74	23.0	0.0	
Channel									
Frequency (MHz)				3645.00	3640.00	3645.00			
50	PI2 BPSK	1	1	21.94	21.76	21.98	23.0	0.0	
Channel									
Frequency (MHz)				3635.51	3640	3640.50			
80	PI2 BPSK	1	1	21.85	21.81	21.87	23.0	0.0	
Channel									
Frequency (MHz)				3630	3640	3641			
70	PI2 BPSK	1	1	21.85	21.89	21.88	23.0	0.0	
Channel									
Frequency (MHz)				3625.02	3640	3640.58			
60	PI2 BPSK	1	1	21.84	21.79	21.84	23.0	0.0	
Channel									
Frequency (MHz)				6653.04	6650.00	6650.00	int	int	int
80	PI2 BPSK	1	1	6653.04	6650.00	6650.00	int	int	int
Channel									
Frequency (MHz)				6652.51	6649.50	6649.50	int	int	int
60	PI2 BPSK	1	1	6652.51	6649.50	6649.50	int	int	int
Channel									
Frequency (MHz)				6650.00	6650.00	6650.00	int	int	int
40	PI2 BPSK	1	1	6650.00	6650.00	6650.00	int	int	int
Channel									
Frequency (MHz)				3725	3640	3640			
40	PI2 BPSK	1	1	21.89	21.87	21.89	23.0	0.0	
Channel									
Frequency (MHz)				6676.08	6660.00	6663.02	int	int	int
30	PI2 BPSK	1	1	6676.08	6660.00	6663.02	int	int	int
Channel									
Frequency (MHz)				6673.04	6660.00	6666.06	int	int	int
20	PI2 BPSK	1	1	6673.04	6660.00	6666.06	int	int	int
Channel									
Frequency (MHz)				6671.68	6660.00	6663.32	int	int	int
15	PI2 BPSK	1	1	6671.68	6660.00	6663.32	int	int	int
Channel									
Frequency (MHz)				6670.00	6660.00	6660.00	int	int	int
10	PI2 BPSK	1	1	6670.00	6660.00	6660.00	int	int	int

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-on (ms)	MPE (dB)	
Channel									
Frequency (MHz)				3750	3640	3650			
100	PI2 BPSK	1	1	22.02	21.90	21.98	23.0	0.0	
100	PI2 BPSK	1	137	22.01	21.90	21.88	23.0	0.0	
100	PI2 BPSK	1	271	22.00	21.88	21.95	23.0	0.0	
100	PI2 BPSK	135	0	21.86	21.85	21.94	23.0	0.0	
100	PI2 BPSK	135	66	22.00	21.94	21.95	23.0	0.0	
100	PI2 BPSK	135	138	21.79	21.82	21.82	23.0	0.0	
100	QPSK	1	1	21.87	21.89	21.79	23.0	0.0	
100	QPSK	1	137	21.85	21.88	21.90	23.0	0.0	
100	QPSK	1	271	22.01	21.90	21.95	23.0	0.0	
100	QPSK	135	0	21.77	21.79	21.82	23.0	0.0	
100	QPSK	135	66	21.86	21.84	21.93	23.0	0.0	
100	QPSK	135	138	21.79	21.73	21.83	23.0	0.0	
100	QPSK	270	0	21.77	21.83	21.87	23.0	0.0	
100	16QAM	1	1	21.96	22.00	21.92	23.0	0.0	
100	16QAM	1	1	21.84	21.98	21.91	23.0	0.0	
100	256QAM	1	1	21.80	21.72	21.74	23.0	0.0	
Channel									
3745.00	3640.00	3650.00		int	int	int			
50	PI2 BPSK	1	1	21.84	21.76	21.98	23.0	0.0	
Channel									
Frequency (MHz)				6673.04	6660.00	6663.02	int	int	int
80	PI2 BPSK	1	1	6673.04	6660.00	6663.02	int	int	int
Channel									
Frequency (MHz)				6670.00	6660.00	6660.00	int	int	int
70	PI2 BPSK	1	1	6670.00	6660.00	6660.00	int	int	int
Channel									
Frequency (MHz)				6665.00	6660.00	6660.00	int	int	int
60	PI2 BPSK	1	1	6665.00	6660.00	6660.00	int	int	int
Channel									
Frequency (MHz)				6660.00	6660.00	6660.00	int	int	int
50	PI2 BPSK	1	1	6660.00	6660.00	6660.00	int	int	int
Channel									
Frequency (MHz)				6655.00	6660.00	6660.00	int	int	int
40	PI2 BPSK	1	1	6655.00	6660.00	6660.00	int	int	int
Channel									
Frequency (MHz)				6650.00	6660.00	6660.00	int	int	int
30	PI2 BPSK	1	1	6650.00	6660.00	6660.00	int	int	int
Channel									
Frequency (MHz)				6645.00	6660.00	6660.00	int	int	int
20	PI2 BPSK	1	1	6645.00	6660.00	6660.00	int	int	int
Channel									
Frequency (MHz)				6640.00	6660.00	6660.00	int	int	int
15	PI2 BPSK	1	1	6640.00	6660.00	6660.00	int	int	int
Channel									
Frequency (MHz)				6635.00	6660.00	6660.00	int	int	int
10	PI2 BPSK	1	1	6635.00	6660.00	6660.00	int	int	int

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-on (ms)	MPE (dB)	
Channel									
Frequency (MHz)				3750					
100	PI2 BPSK	1	1	22.02	21.90	21.98	23.0	0.0	
100	PI2 BPSK	1	137	22.01	21.90	21.88	23.0	0.0	
100	PI2 BPSK	1	271	22.00	21.88	21.95	23.0	0.0	
100	PI2 BPSK	135	0	21.86	21.85	21.94	23.0	0.0	
100	PI2 BPSK	135	66	22.00	21.94	21.95	23.0	0.0	
100	PI2 BPSK	135	138	21.79	21.82	21.82	23.0	0.0	
100	PI2 BPSK	270	0	21.97	21.94	21.95	23.0	0.0	
100	QPSK	1	1	21.87	21.89	21.79	23.0	0.0	
100	QPSK	1	137	21.85	21.88	21.90	23.0	0.0	
100	QPSK	1	271	22.01	21.90	21.95	23.0	0.0	
100	QPSK	135	0	21.77	21.79	21.82	23.0	0.0	
100	QPSK	135	66	21.86	21.84	21.93	23.0	0.0	
100	QPSK	135	138	21.79	21.73	21.83	23.0	0.0	
100	QPSK	270	0	21.77	21.83	21.87	23.0	0.0	
100	16QAM	1	1	21.96	22.00	21.92	23.0	0.0	
100	16QAM	1	1	21.84	21.98	21.91	23.0	0.0	
100	256QAM	1	1	21.80	21.72	21.74	23.0	0.0	
Channel									
3745.00	3650.00	3750.00		int	int	int			
50	PI2 BPSK	1	1	24.77	24.76	24.78	23.0	0.0	
Channel									
Frequency (MHz)				6673.04	6660.00	6663.02	int	int	int
80	PI2 BPSK	1	1	24.74	24.73	24.81	23.0	0.0	
Channel									
Frequency (MHz)				6670.00	6660.00	6660.00	int	int	int
100	PI2 BPSK	1	1	24.79	24.78	24.79	23.0	0.0	
100	PI2 BPSK	1	137	24.78	24.77	24.79	23.0	0.0	
100	PI2 BPSK	1	271	24.77	24.76	24.78	23.0	0.0	
100	PI2 BPSK	135	0	24.72	24.71	24.73	23.0	0.0	
100	PI2 BPSK	135	66	24.77	24.76	24.77	23.0	0.0	
100	PI2 BPSK	135	138	24.72	24.71	24.72	23.0	0.0	
100	PI2 BPSK	270	0	24.77	24.76	24.77	23.0	0.0	
100	QPSK	1	1	24.72	24.71	24.73	23.0	0.0	
100	QPSK	1	137	24.71	24.70	24.72	23.0	0.0	
100	QPSK	1	271	24.76	24.75	24.76	23.0	0.0	
100	QPSK	135	0	24.67	24.66	24.68	23.0	0.0	
100	QPSK	135	66	24.76	24.75	24.76	23.0	0.0	
100	QPSK	135	138	24.67	24.66	24.67	23.0	0.0	
100	QPSK	270	0	24.76	24.75	24.76	23.0	0.0	
100	16QAM	1	1	24.71	24.70	24.72	23.0	0.0	
100	16QAM	1	1	24.59	24.58	24.60	23.0	0.0	
100	256QAM	1	1	24.54	24.51	24.56	23.0	0.0	
Channel									
6665.00	6560.00	6670.00		int	int	int			
50	PI2 BPSK	1	1	24.72	24.70	24.73	23.0	0.0	
Channel									
Frequency (MHz)				6673.04	6660.00	6663.02	int	int	int
80	PI2 BPSK	1	1	24.74	24.73	24.81	23.0	0.0	
Channel									
Frequency (MHz)				6670.00	6660.00	6660.00	int	int	int
100	PI2 BPSK	1	1	24.79	24.78	24.79	23.0	0.0	
100	PI2 BPSK	1	137	24.78	24.77	24.79	23.0	0.0	
100	PI2 BPSK	1	271	24.77	24.76	24.78	23.0	0.0	
100	PI2 BPSK	135	0	24.72	24.71	24.73	23.0	0.0	
100	PI2 BPSK	135	66	24.77	24.76	24.77	23.0	0.0	
100	PI2 BPSK	135	138	24.72	24.71	24.72	23.0	0.0	
100	PI2 BPSK	270	0	24.77	24.76	24.77	23.0	0.0	
100	QPSK	1	1	24.72	24.71	24.73	23.0	0.0	
100	QPSK	1	137	24.71	24.70	24.72	23.0	0.0	
100	QPSK	1	271	24.76	24.75	24.76	23.0	0.0	
100	QPSK	135	0	24.67	24.66	24.68	23.0	0.0	
100	QPSK	135	66	24.76	24.75	24.76	23.0	0.0	
100	QPSK	135	138	24.67	24.66	24.67	23.0	0.0	
100	QPSK	270	0	24.76	24.75	24.76	23.0	0.0	
100	16QAM	1	1	24.71	24.70	24.72	23.0	0.0	
100	16QAM	1	1	24.59	24.58	24.60	23.0	0.0	
100	256QAM	1	1	24.54	24.51	24.56	23.0	0.0	
Channel									
6665.00	6560.00	6670.00		int	int	int			

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Bit (MHz)	Modulation	RS Size	RS Offset	Power (dBm) 1/2 TBS	Power (dBm) 1/4 TBS	Power (dBm) 1/8 TBS	Turnup time (s)	MPR (dB)
Channel								
100	PB-FBMC	1	1	22.51				
100	PB-FBMC	1	1/2	22.50			24.0	0.0
100	PB-FBMC	1	3/4	22.51				
100	PB-FBMC	1/5	0	22.88				
100	PB-FBMC	1/5	1/5	22.88			24.0	0.0
100	PB-FBMC	1/5	2/5	22.88				
100	PB-FBMC	1/5	3/5	22.88			24.0	0.0
100	QPSK	1	1	22.90				
100	QPSK	1	1/2	22.82			24.0	0.0
100	QPSK	1	3/4	22.85				
100	QPSK	1/5	0	22.84			24.0	0.0
100	QPSK	1/5	1/5	22.87				
100	QPSK	1/5	2/5	22.71			24.0	0.0
100	QPSK	1/5	3/5	22.88				
100	BQPSK	1	1	22.77			24.0	0.0
100	BQPSK	1	1/2	21.96			23.0	1.0
Channel								
50	PB-FBMC	1	1	22.50	22.94	22.64	24.0	0.0
50	PB-FBMC	1	1/2	22.50	22.94	22.64	24.0	0.0
50	PB-FBMC	1	3/4	22.50	22.94	22.64	24.0	0.0
50	PB-FBMC	1/5	0	22.88	22.94	22.64	24.0	0.0
50	PB-FBMC	1/5	1/5	22.88	22.94	22.64	24.0	0.0
50	PB-FBMC	1/5	2/5	22.88	22.94	22.64	24.0	0.0
50	PB-FBMC	1/5	3/5	22.88	22.94	22.64	24.0	0.0
50	QPSK	1	1	22.90	22.94	22.64	24.0	0.0
50	QPSK	1	1/2	22.82	22.94	22.64	24.0	0.0
50	QPSK	1	3/4	22.85	22.94	22.64	24.0	0.0
50	QPSK	1/5	0	22.84	22.94	22.64	24.0	0.0
50	QPSK	1/5	1/5	22.87	22.94	22.64	24.0	0.0
50	QPSK	1/5	2/5	22.71	22.94	22.64	24.0	0.0
50	QPSK	1/5	3/5	22.88	22.94	22.64	24.0	0.0
50	BQPSK	1	1	22.77	22.94	22.64	24.0	0.0
50	BQPSK	1	1/2	21.96	22.94	22.64	23.0	1.0
Channel								
10	PB-FBMC	1	1	22.72	22.78	22.78	24.0	0.0
10	PB-FBMC	1	1/2	22.72	22.78	22.78	24.0	0.0
10	PB-FBMC	1	3/4	22.72	22.78	22.78	24.0	0.0
10	PB-FBMC	1/5	0	22.88	22.83	22.83	24.0	0.0
10	PB-FBMC	1/5	1/5	22.88	22.83	22.83	24.0	0.0
10	PB-FBMC	1/5	2/5	22.88	22.83	22.83	24.0	0.0
10	PB-FBMC	1/5	3/5	22.88	22.83	22.83	24.0	0.0
10	QPSK	1	1	22.90	22.90	22.90	24.0	0.0
10	QPSK	1	1/2	22.82	22.90	22.90	24.0	0.0
10	QPSK	1	3/4	22.85	22.90	22.90	24.0	0.0
10	QPSK	1/5	0	22.84	22.90	22.90	24.0	0.0
10	QPSK	1/5	1/5	22.87	22.90	22.90	24.0	0.0
10	QPSK	1/5	2/5	22.71	22.90	22.90	24.0	0.0
10	QPSK	1/5	3/5	22.88	22.90	22.90	24.0	0.0
10	BQPSK	1	1	22.77	22.90	22.90	24.0	0.0
10	BQPSK	1	1/2	21.96	22.90	22.90	23.0	1.0
Channel								
15	PB-FBMC	1	1	22.62	22.75	22.65	24.0	0.0
15	PB-FBMC	1	1/2	22.62	22.75	22.65	24.0	0.0
15	PB-FBMC	1	3/4	22.62	22.75	22.65	24.0	0.0
15	PB-FBMC	1/5	0	22.88	22.75	22.65	24.0	0.0
15	PB-FBMC	1/5	1/5	22.88	22.75	22.65	24.0	0.0
15	PB-FBMC	1/5	2/5	22.88	22.75	22.65	24.0	0.0
15	PB-FBMC	1/5	3/5	22.88	22.75	22.65	24.0	0.0
15	QPSK	1	1	22.90	22.75	22.65	24.0	0.0
15	QPSK	1	1/2	22.82	22.75	22.65	24.0	0.0
15	QPSK	1	3/4	22.85	22.75	22.65	24.0	0.0
15	QPSK	1/5	0	22.84	22.75	22.65	24.0	0.0
15	QPSK	1/5	1/5	22.87	22.75	22.65	24.0	0.0
15	QPSK	1/5	2/5	22.71	22.75	22.65	24.0	0.0
15	QPSK	1/5	3/5	22.88	22.75	22.65	24.0	0.0
15	BQPSK	1	1	22.77	22.75	22.65	24.0	0.0
15	BQPSK	1	1/2	21.96	22.75	22.65	23.0	1.0
Channel								
10	PB-FBMC	1	1	22.94	22.81	22.71	24.0	0.0

Part270_n781(HPUe)_Ant 8									
SR	SRP	Medium	RB Size	IB Offset	Power Class C/Freq	Power Class C/Freq	Power Class C/Freq	Turnup Time	MPR (dB)
Channel									
100	Pro	Frequency (MHz)	1			22.21			
100	Pro	HPA1	1	197	22.20			24.0	0.0
100	Pro	HPA2	1	197	22.20				
100	Pro	HPA3	135	0	22.20				
100	Pro	HPA4	135	0	22.20				
100	Pro	HPA5	135	0	22.20				
100	Pro	HPA6	210	0	22.20			24.0	0.0
100	QPSK	1	1	1	22.22				
100	QPSK	1	217	0	22.22			24.0	0.0
100	QPSK	1	211	0	22.21				
100	QPSK	135	0	0	22.21				
100	QPSK	135	138	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100	QPSK	210	0	0	22.21			24.0	0.0
100	QPSK	210	0	0	22.21				
100									

[illegible]

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SW (MHz)	Modulation	RIS Size	RIS Offset	Power Class (dBm)	Power Class (dBm)	Power Class (dBm)	Turnup Time (s)	UPLB (dB)	
Channel									
100	Free (MHz)			1	14.08				
100	PLP BPRC	1	137	14.07	14.08	14.08	16.0	0.0	
100	PLP BPRC	1	137	14.07	14.08	14.08	16.0	0.0	
100	PLP BPRC	135	0	14.08	14.08	14.08	15.5	0.0	
100	PLP BPRC	135	0	14.08	14.08	14.08	15.0	0.0	
100	PLP BPRC	210	0	14.08	14.08	14.08	15.5	0.0	
100	QPSK	1	137	14.07	14.08	14.08	16.0	0.0	
100	QPSK	1	211	14.02	14.02	14.02	16.0	0.0	
100	QPSK	135	0	14.02	14.02	14.02	16.0	0.0	
100	QPSK	135	0	14.02	14.02	14.02	16.0	0.0	
100	QPSK	135	0	14.02	14.02	14.02	16.0	0.0	
100	QPSK	210	0	14.02	14.02	14.02	16.0	0.0	
100	SAGAM	1	1	14.05	14.05	14.05	16.0	0.0	
100	SAGAM	1	1	14.05	14.05	14.05	16.0	0.0	
50	Free (MHz)			94.995	95.000	95.003			
50	PLP BPRC	1	1474	14.79	14.80	14.80	16.0	0.0	
50	PLP BPRC	1	1474	14.79	14.80	14.80	16.0	0.0	
50	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
50	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
50	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			97.98	98.00	98.02			
70	PLP BPRC	1	1472	14.78	14.79	14.79	16.0	0.0	
70	PLP BPRC	1	1472	14.78	14.79	14.79	16.0	0.0	
70	PLP BPRC	136	0	14.79	14.79	14.79	15.5	0.0	
70	PLP BPRC	136	0	14.79	14.79	14.79	15.0	0.0	
70	PLP BPRC	210	0	14.79	14.79	14.79	15.5	0.0	
70	Free (MHz)			97.99	98.00	98.01			
70	PLP BPRC	1	1473	14.79	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1473	14.79	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.00	98.00	98.00			
70	PLP BPRC	1	1473	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1473	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.01	98.00	98.00			
70	PLP BPRC	1	1474	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1474	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.02	98.01	98.01			
70	PLP BPRC	1	1475	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1475	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.03	98.02	98.02			
70	PLP BPRC	1	1476	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1476	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.04	98.03	98.03			
70	PLP BPRC	1	1477	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1477	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.05	98.04	98.04			
70	PLP BPRC	1	1478	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1478	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.06	98.05	98.05			
70	PLP BPRC	1	1479	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1479	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.07	98.06	98.06			
70	PLP BPRC	1	1480	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1480	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.08	98.07	98.07			
70	PLP BPRC	1	1481	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1481	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.09	98.08	98.08			
70	PLP BPRC	1	1482	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1482	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.10	98.09	98.09			
70	PLP BPRC	1	1483	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1483	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.11	98.10	98.10			
70	PLP BPRC	1	1484	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1484	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.12	98.11	98.11			
70	PLP BPRC	1	1485	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1485	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.13	98.12	98.12			
70	PLP BPRC	1	1486	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1486	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.14	98.13	98.13			
70	PLP BPRC	1	1487	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1487	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.15	98.14	98.14			
70	PLP BPRC	1	1488	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1488	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.16	98.15	98.15			
70	PLP BPRC	1	1489	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1489	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.17	98.16	98.16			
70	PLP BPRC	1	1490	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1490	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.18	98.17	98.17			
70	PLP BPRC	1	1491	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	1	1491	14.80	14.80	14.80	16.0	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.5	0.0	
70	PLP BPRC	136	0	14.80	14.80	14.80	15.0	0.0	
70	PLP BPRC	210	0	14.80	14.80	14.80	15.5	0.0	
70	Free (MHz)			98.19	98.18	9			

Part27O_n78_Ant 10									
SN (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. F/Freq.	Power Mode Ch. F/Freq.	Power High Ch. F/Freq.	Time-up Time (sec)	MSD (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	22.00					
100	P1/2 BPSK	1	137	21.98			23.0	0.0	
100	P1/2 BPSK	1	271	21.83					
100	P1/2 BPSK	135	0	21.82			23.0	0.0	
100	P1/2 BPSK	135	85	21.80			23.0	0.0	
100	P1/2 BPSK	135	138	21.81			23.0	0.0	
100	P1/2 BPSK	210	0	21.79					
100	QPSK	1	1	21.98					
100	QPSK	1	137	21.80			23.0	0.0	
100	QPSK	1	271	21.84					
100	QPSK	135	0	21.86					
100	QPSK	135	85	21.87			23.0	0.0	
100	QPSK	135	138	21.85					
100	QPSK	210	0	21.79			23.0	0.0	
100	16QAM	1	1	21.82			23.0	0.0	
100	16QAM	1	1	21.81			23.0	0.0	
100	256QAM	1	1	21.80			23.0	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	21.75	21.90	21.98	23.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	21.74	21.84	21.87	23.0	0.0	
Channel									
Frequency (MHz)									
70	P1/2 BPSK	1	1	21.87	21.82	21.84	23.0	0.0	
Channel									
Frequency (MHz)									
60	P1/2 BPSK	1	1	21.87	21.82	21.84	23.0	0.0	
Channel									
Frequency (MHz)									
50	P1/2 BPSK	1	1	21.74	21.80	21.83	23.0	0.0	
Channel									
Frequency (MHz)									
40	P1/2 BPSK	1	1	21.75	21.80	21.83	23.0	0.0	
Channel									
Frequency (MHz)									
30	P1/2 BPSK	1	1	21.73	21.85	21.82	23.0	0.0	
Channel									
Frequency (MHz)									
20	P1/2 BPSK	1	1	21.69	21.79	21.89	23.0	0.0	
Channel									
Frequency (MHz)									
15	P1/2 BPSK	1	1	21.55	21.58	21.59	23.0	0.0	
Channel									
Frequency (MHz)									
10	P1/2 BPSK	1	1	21.54	21.79	21.82	23.0	0.0	

Part27O_n78(HPUE)_Ant 10									
SN (MHz)	Modulation	RB Size	RB Offset	Power Level Ch. F/Freq.	Power Mode Ch. F/Freq.	Power High Ch. F/Freq.	Time-up Time (sec)	MSD (dB)	
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	22.00					
100	P1/2 BPSK	1	137	21.98			23.0	0.0	
100	P1/2 BPSK	1	271	21.83					
100	P1/2 BPSK	135	0	21.82			23.0	0.0	
100	P1/2 BPSK	135	85	21.80			23.0	0.0	
100	P1/2 BPSK	135	138	21.81			23.0	0.0	
100	P1/2 BPSK	210	0	21.79					
100	QPSK	1	1	21.98					
100	QPSK	1	137	21.82			23.0	0.0	
100	QPSK	1	271	21.84					
100	QPSK	135	0	21.86					
100	QPSK	135	85	21.87			23.0	0.0	
100	QPSK	135	138	21.85					
100	QPSK	210	0	21.79			23.0	0.0	
100	16QAM	1	1	21.82			23.0	0.0	
100	16QAM	1	1	21.81			23.0	0.0	
100	256QAM	1	1	21.80			23.0	0.0	
Channel									
Frequency (MHz)									
90	P1/2 BPSK	1	1	21.75	21.90	21.98	23.0	0.0	
Channel									
Frequency (MHz)									
80	P1/2 BPSK	1	1	21.74	21.84	21.87	23.0	0.0	
Channel									
Frequency (MHz)									
70	P1/2 BPSK	1	1	21.87	21.82	21.84	23.0	0.0	
Channel									
Frequency (MHz)									
60	P1/2 BPSK	1	1	21.87	21.82	21.84	23.0	0.0	
Channel									
Frequency (MHz)									
50	P1/2 BPSK	1	1	21.74	21.80	21.83	23.0	0.0	
Channel									
Frequency (MHz)									
40	P1/2 BPSK	1	1	21.75	21.80	21.83	23.0	0.0	
Channel									
Frequency (MHz)									
30	P1/2 BPSK	1	1	21.73	21.85	21.82	23.0	0.0	
Channel									
Frequency (MHz)									
20	P1/2 BPSK	1	1	21.69	21.79	21.89	23.0	0.0	
Channel									
Frequency (MHz)									
15	P1/2 BPSK	1	1	21.55	21.58	21.59	23.0	0.0	
Channel									
Frequency (MHz)									
10	P1/2 BPSK	1	1	21.54	21.79	21.82	23.0	0.0	



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n2_Ant 1									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 1800]	Power Mid Ch. [Freq. 1800]	Power High Ch. [Freq. 1800]	Turnup (mW)	MFR (dB)	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	21.44	21.55	21.62			
20	P12 BPSK	1	53	21.39	21.62	21.52	23.0	0.0	
20	P12 BPSK	1	104	21.41	21.61	21.58			
20	P12 BPSK	50	0	21.40	21.57	21.54	23.0	0.0	
20	P12 BPSK	50	28	21.02	21.68	21.53	23.0	0.0	
20	P12 BPSK	50	56	21.40	21.62	21.55	23.0	0.0	
20	P12 BPSK	100	0	21.34	21.63	21.58			
20	QPSK	1	1	21.45	21.55	21.61			
20	QPSK	1	53	21.44	21.59	21.62	23.0	0.0	
20	QPSK	1	104	21.34	21.53	21.48			
20	QPSK	50	0	21.42	21.58	21.57	23.0	0.0	
20	QPSK	50	28	21.41	21.62	21.61	23.0	0.0	
20	QPSK	50	56	21.46	21.55	21.62	23.0	0.0	
20	QPSK	100	0	21.37	21.62	21.55	23.0	0.0	
20	16QAM	1	1	21.59	21.65	21.62	23.0	0.0	
20	16QAM	1	1	21.04	21.64	21.63	23.0	0.0	
20	256QAM	1	1	20.59	20.63	20.54	21.5	1.9	
Channel									
Frequency (MHz)									
15	P12 BPSK	1	1	21.50	21.62	21.56	23.0	0.0	
Channel									
Frequency (MHz)									
10	P12 BPSK	1	1	21.43	21.63	21.63	23.0	0.0	
Channel									
Frequency (MHz)									
5	P12 BPSK	1	1	21.58	21.59	21.60	23.0	0.0	

n2_Ant 2									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 1800]	Power Mid Ch. [Freq. 1800]	Power High Ch. [Freq. 1800]	Turnup (mW)	MFR (dB)	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	24.52	24.55	24.51			
20	P12 BPSK	1	53	24.24	24.48	24.18	26.0	0.0	
20	P12 BPSK	1	104	24.38	24.38	24.08			
20	P12 BPSK	50	0	24.16	24.44	24.20	25.5	0.5	
20	P12 BPSK	50	28	24.35	24.49	24.27	26.0	0.0	
20	P12 BPSK	50	56	24.23	24.43	24.02	25.5	0.5	
20	P12 BPSK	100	0	24.18	24.45	24.20			
20	QPSK	1	1	24.53	24.49	24.41	26.0	0.0	
20	QPSK	1	53	24.23	24.51	24.14	26.0	0.0	
20	QPSK	1	104	24.40	24.49	24.13			
20	QPSK	50	0	24.57	24.42	24.24	25.0	1.0	
20	QPSK	50	28	24.19	24.49	24.09	26.0	0.0	
20	QPSK	50	56	24.27	24.44	24.07	25.0	1.0	
20	QPSK	100	0	24.19	24.47	24.20	25.0	1.0	
20	16QAM	1	1	24.40	24.47	24.49	25.0	1.0	
20	16QAM	1	1	23.92	22.97	22.99	23.5	2.5	
20	256QAM	1	1	20.74	20.85	20.84	21.5	4.5	
Channel									
Frequency (MHz)									
15	P12 BPSK	1	1	24.54	24.51	24.29	26.0	0.0	
Channel									
Frequency (MHz)									
10	P12 BPSK	1	1	24.28	24.49	24.19	26.0	0.0	
Channel									
Frequency (MHz)									
5	P12 BPSK	1	1	24.26	24.45	24.26	26.0	0.0	

n5_Ant 0									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 1800]	Power Mid Ch. [Freq. 1800]	Power High Ch. [Freq. 1800]	Turn-on (mW)	MFR (dB)	
Channel									
Frequency (MHz)				Min	Max	Min			
20	P12 BPSK	1	1	24.32	24.47	24.25			
20	P12 BPSK	1	53	24.13	24.12	24.09	26.0	0.0	
20	P12 BPSK	1	104	24.03	24.10	24.03			
20	P12 BPSK	50	0	24.23	24.15	24.10	25.5	0.5	
20	P12 BPSK	50	28	24.32	24.32	24.24	26.0	0.0	
20	P12 BPSK	50	56	24.15	24.09	24.03	25.5	0.5	
20	P12 BPSK	100	0	24.28	24.08	24.16			9.5
20	QPSK	1	1	24.53	24.38	24.30			
20	QPSK	1	53	24.24	24.17	24.17	26.0	0.0	
20	QPSK	1	104	24.13	24.12	24.10			
20	QPSK	50	0	24.31	24.20	24.24	25.0	1.0	
20	QPSK	50	28	24.22	24.18	24.16	26.0	0.0	
20	QPSK	50	56	24.16	24.13	24.08	25.0	1.0	
20	QPSK	100	0	24.28	24.19	24.16	25.0	1.0	
20	16QAM	1	1	24.40	24.37	24.35	25.0	1.0	
20	16QAM	1	1	23.92	22.99	22.99	23.5	2.5	
20	256QAM	1	1	20.90	20.84	20.79	21.5	4.5	
Channel									
Frequency (MHz)				Min	Max	Min			
15	P12 BPSK	1	1	24.39	24.28	24.27	26.0	0.0	
Channel									
Frequency (MHz)				Min	Max	Min			
10	P12 BPSK	1	1	24.33	24.19	24.24	26.0	0.0	
Channel									
Frequency (MHz)				Min	Max	Min			
5	P12 BPSK	1	1	24.34	24.25	24.19	26.0	0.0	

n5_Ant 2									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq. 1800]	Power Mid Ch. [Freq. 1800]	Power High Ch. [Freq. 1800]	Turn-on (mW)	MFR (dB)	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	24.32	24.41	24.25			
20	P12 BPSK	1	53	24.13	24.12	24.09	26.0	0.0	
20	P12 BPSK	1	104	24.03	24.10	24.03			
20	P12 BPSK	50	0	24.23	24.15	24.10	25.5	0.5	
20	P12 BPSK	50	28	24.32	24.32	24.24	26.0	0.0	
20	P12 BPSK	50	56	24.15	24.09	24.03	25.5	0.5	
20	P12 BPSK	100	0	24.28	24.08	24.16			
20	QPSK	1	1	24.38	24.38	24.30			
20	QPSK	1	53	24.24	24.17	24.17	26.0	0.0	
20	QPSK	1	104	24.13	24.12	24.10			
20	QPSK	50	0	24.31	24.26	24.24	25.0	1.0	
20	QPSK	50	28	24.22	24.18	24.16	26.0	0.0	
20	QPSK	50	56	24.16	24.13	24.08	25.0	1.0	
20	QPSK	100	0	24.28	24.19	24.16	25.0	1.0	
20	16QAM	1	1	24.40	24.37	24.35	25.0	1.0	
20	16QAM	1	1	23.92	22.99	22.99	23.5	2.5	
20	256QAM	1	1	20.90	20.84	20.79	21.5	4.5	
Channel									
Frequency (MHz)									
15	P12 BPSK	1	1	24.39	24.28	24.27	26.0	0.0	
Channel									
Frequency (MHz)									
10	P12 BPSK	1	1	24.33	24.19	24.24	26.0	0.0	
Channel									
Frequency (MHz)									
5	P12 BPSK	1	1	24.34	24.25	24.19	26.0	0.0	



n7_Ant 1									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turnup (ms) (dB)	MPH (dB)	
Channel									
Frequency (MHz)				24.00	24.00	24.00			
40	P12 BPSK	1	1	22.05	22.05	22.05	23.5	0.0	
40	P12 BPSK	1	108	22.05	22.08	21.98			
40	P12 BPSK	1	214	22.04	22.06	21.99			
40	P12 BPSK	108	0	21.98	22.04	21.95	23.5	0.0	
40	P12 BPSK	108	54	22.00	22.00	22.00	23.5	0.0	
40	P12 BPSK	108	108	22.05	22.08	21.98	23.5	0.0	
40	P12 BPSK	216	0	21.98	22.00	21.97			
40	QPSK	1	1	21.05	22.02	22.11			
40	QPSK	1	108	22.05	22.12	22.03	23.5	0.0	
40	QPSK	1	214	22.00	22.06	22.03			
40	QPSK	108	0	21.09	22.10	21.95	23.5	0.0	
40	QPSK	108	54	22.01	21.99	21.98	23.5	0.0	
40	QPSK	108	108	21.95	22.08	21.97	23.5	0.0	
40	QPSK	216	0	21.06	22.05	21.95	23.5	0.0	
40	16QAM	1	1	21.84	22.12	22.10	23.5	0.0	
40	16QAM	1	1	22.11	22.07	22.08	23.5	0.0	
40	256QAM	1	1	20.08	20.74	20.80	21.5	2.0	
Channel									
Frequency (MHz)				24.50	24.50	24.50			
30	P12 BPSK	1	1	22.10	22.10	22.08	23.5	0.0	
Channel									
Frequency (MHz)				24.50	24.50	24.50			
20	P12 BPSK	1	1	22.08	22.08	22.05	23.5	0.0	
Channel									
Frequency (MHz)				24.50	24.50	24.50			
15	P12 BPSK	1	1	22.04	22.08	21.92	23.5	0.0	
Channel									
Frequency (MHz)				24.50	24.50	24.50			
10	P12 BPSK	1	1	22.02	22.07	22.01	23.5	0.0	
Channel									
Frequency (MHz)				24.50	24.50	24.50			
5	P12 BPSK	1	1	22.00	22.06	22.04	23.5	0.0	

n7_Ant 2									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turnup (ms)	MPH (dB)	
Channel									
Frequency (MHz)				24.50	24.50	24.50			
40	P12 BPSK	1	1	22.05	22.05	22.04	24.0	0.0	
40	P12 BPSK	1	108	22.04	22.08	22.00			
40	P12 BPSK	1	214	22.00	22.08	22.00			
40	P12 BPSK	108	0	22.05	22.08	22.00	24.0	0.0	
40	P12 BPSK	108	54	22.05	22.08	22.02	24.0	0.0	
40	P12 BPSK	108	108	22.08	22.07	22.01	24.0	0.0	
40	P12 BPSK	216	0	22.00	22.08	22.04			
40	QPSK	1	1	22.01	22.01	22.04			
40	QPSK	1	108	22.04	22.07	22.00	24.0	0.0	
40	QPSK	1	214	22.00	22.04	22.00			
40	QPSK	108	0	22.00	22.02	22.04	24.0	0.0	
40	QPSK	108	54	22.01	22.01	22.00	24.0	0.0	
40	QPSK	108	108	22.04	22.06	22.00	24.0	0.0	
40	QPSK	216	0	22.04	22.03	22.00	24.0	0.0	
40	TCMAM	1	1	22.00	22.00	22.07	24.0	0.0	
40	TCMAM	1	1	22.01	22.00	22.00	23.5	0.5	
40	256QAM	1	1	20.09	20.71	20.54	21.5	2.5	
Channel									
Frequency (MHz)				24.50	24.50	24.50			
30	P12 BPSK	1	1	22.08	22.08	22.00	24.0	0.0	
Channel									
Frequency (MHz)				24.50	24.50	24.50			
25	P12 BPSK	1	1	22.04	22.00	22.07	24.0	0.0	
Channel									
Frequency (MHz)				24.50	24.50	24.50			
20	P12 BPSK	1	1	22.00	22.06	22.07	24.0	0.0	
Channel									
Frequency (MHz)				24.50	24.50	24.50			
15	P12 BPSK	1	1	22.00	22.08	22.04	24.0	0.0	
Channel									
Frequency (MHz)				24.50	24.50	24.50			
10	P12 BPSK	1	1	22.00	22.01	22.00	24.0	0.0	
Channel									
Frequency (MHz)				24.50	24.50	24.50			
5	P12 BPSK	1	1	22.00	22.06	22.00	24.0	0.0	

n12_Ant 0									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turnup (ms)	MPH (dB)	
Channel									
Frequency (MHz)				704.5	707.5	704.5			
15	P12 BPSK	1	1	24.85	24.87	24.72			
15	P12 BPSK	1	40	23.71	25.10	23.71	26.0	0.0	
15	P12 BPSK	1	77	24.97	24.93	24.95			
15	P12 BPSK	36	0	23.77	23.87	24.07	22.5	0.5	
15	P12 BPSK	36	20	24.94	25.14	23.02	26.0	0.0	
15	P12 BPSK	36	40	24.52	24.57	24.59	26.5	0.5	
15	P12 BPSK	72	0	24.17	24.87	24.50			
15	QPSK	1	1	24.80	24.88	24.70			
15	QPSK	1	40	25.02	25.18	25.16	26.0	0.0	
15	QPSK	1	77	24.98	25.00	24.94			
15	QPSK	36	0	23.20	23.50	23.85	23.0	1.0	
15	QPSK	36	20	24.87	24.97	25.06	26.0	0.0	
15	QPSK	36	40	24.08	24.11	24.10			
15	QPSK	72	0	23.72	23.81	23.89	23.0	1.0	
15	TCMAM	1	1	23.84	23.60	23.90	23.0	1.0	
15	256QAM	1	1	22.20	22.20	22.20	23.5	2.5	
15	256QAM	1	1	20.20	20.24	20.24	23.5	4.5	
Channel									
Frequency (MHz)				704.000	704.500	704.000			
10	P12 BPSK	1	1	24.46	24.50	24.51	26.0	0.0	
Channel									
Frequency (MHz)				704.500	704.500	704.000			
5	P12 BPSK	1	1	24.81	24.75	24.90	26.0	0.0	

n12_Ant 2									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turnup (ms) (dB)	MPH (dB)	
Channel									
Frequency (MHz)				704.5	707.5	704.5			
15	P12 BPSK	1	1	24.85	24.87	24.72			
15	P12 BPSK	1	40	23.71	25.10	23.71	26.0	0.0	
15	P12 BPSK	1	77	24.97	24.93	24.95			
15	P12 BPSK	36	0	23.77	23.87	24.07	22.5	0.5	
15	P12 BPSK	36	20	24.94	25.14	23.02	26.0	0.0	
15	P12 BPSK	36	40	24.52	24.57	24.59	26.5	0.5	
15	P12 BPSK	72	0	24.17	24.87	24.50			
15	QPSK	1	1	24.80	24.88	24.70			
15	QPSK	1	40	25.02	25.18	25.16	26.0	0.0	
15	QPSK	1	77	24.98	25.00	24.94			
15	QPSK	36	0	23.20	23.50	23.85	23.0	1.0	
15	QPSK	36	20	24.87	24.97	25.06	26.0	0.0	
15	QPSK	36	40	24.08	24.11	24.10			
15	QPSK	72	0	23.72	23.81	23.89	23.0	1.0	
15	TCMAM	1	1	23.84	23.60	23.90	23.0	1.0	
15	256QAM	1	1	22.20	22.20	22.20	23.5	2.5	
15	256QAM	1	1	20.20	20.24	20.24	23.5	4.5	
Channel									
Frequency (MHz)				704.000	704.500	704.000	none	none	none
10	P12 BPSK	1	1	24.46	24.50	24.51	26.0	0.0	
Channel									
Frequency (MHz)				704.500	704.500	704.500	none	none	none
5	P12 BPSK	1	1	24.81	24.75	24.90	26.0	0.0	



n13_Ant 0									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [F/MHz]	Power Mid Ch. [F/MHz]	Power High Ch. [F/MHz]	Turn-up time (dB)	MFR	
Channel Frequency [MHz]									
10	P12 BPSK	1	1	24.00			20.0	0.0	
10	P12 BPSK	1	26	24.40					
10	P12 BPSK	1	50	24.80					
10	P12 BPSK	25	0	24.42			25.0	0.5	
10	P12 BPSK	25	14	24.45			26.0	0.0	
10	P12 BPSK	25	27	24.43			25.0	0.5	
10	P12 BPSK	50	0	24.42			26.0	0.0	
10	QPSK	1	1	24.26					
10	QPSK	1	26	24.30					
10	QPSK	1	50	24.47			25.0	1.0	
10	QPSK	25	0	23.91					
10	QPSK	25	14	24.41					
10	QPSK	25	27	23.86			25.0	1.0	
10	QPSK	50	0	23.79			25.0	1.0	
10	16QAM	1	1	23.98			25.0	1.0	
10	16QAM	1	1	21.78			23.0	2.0	
10	256QAM	1	1	19.95			21.0	4.0	
Channel									
Frequency [MHz]									
5	P12 BPSK	1	1	24.02	24.40	24.80	20.0	0.0	

n13_Ant 2									
SV [Band]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-on [dB]	MFR [dB]	
Channel									
Frequency [MHz]									
10	P12 BPSK	1	1	24.00			20.0	0.0	
10	P12 BPSK	1	26	24.40					
10	P12 BPSK	1	50	24.80					
10	P12 BPSK	25	0	24.42			25.0	0.5	
10	P12 BPSK	25	14	24.45			26.0	0.0	
10	P12 BPSK	25	27	24.43			25.0	0.5	
10	P12 BPSK	50	0	24.42			26.0	0.0	
10	QPSK	1	1	24.26					
10	QPSK	1	26	24.30					
10	QPSK	1	50	24.47			25.0	1.0	
10	QPSK	25	0	23.91					
10	QPSK	25	14	24.41					
10	QPSK	25	27	23.86			25.0	1.0	
10	QPSK	50	0	23.79			25.0	1.0	
10	16QAM	1	1	23.98			25.0	1.0	
10	16QAM	1	1	21.78			23.0	2.0	
10	256QAM	1	1	19.95			21.0	4.0	
Channel									
Frequency [MHz]									
5	P12 BPSK	1	1	24.02	24.40	24.80	20.0	0.0	

n25_Ant 1									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up [ms]	MFR [dB]	
Channel									
Frequency [MHz]									
20	P12 BPSK	1	1	21.92	21.62	21.45	23.0	0.0	
20	P12 BPSK	1	50	21.78	21.62	21.49			
20	P12 BPSK	1	104	21.66	21.66	21.38			
20	P12 BPSK	50	0	21.90	21.55	21.40	23.0	0.0	
20	P12 BPSK	50	26	21.92	21.55	21.41	23.0	0.0	
20	P12 BPSK	50	50	21.85	21.57	21.35	23.0	0.0	
20	P12 BPSK	100	0	21.87	21.49	21.39	23.0	0.0	
20	QPSK	1	1	21.65	21.53	21.43			
20	QPSK	1	50	21.74	21.68	21.78			
20	QPSK	1	104	21.74	21.69	21.71	23.0	0.0	
20	QPSK	50	0	21.63	21.57	21.55			
20	QPSK	50	26	21.71	21.66	21.57			
20	QPSK	50	50	21.62	21.62	21.53	23.0	0.0	
20	QPSK	100	0	21.58	21.60	21.71	23.0	0.0	
20	16QAM	1	1	21.62	21.62	21.69	23.0	0.0	
20	16QAM	1	1	21.64	21.62	21.52	23.0	0.0	
20	256QAM	1	1	20.25	20.20	20.09	21.0	1.0	
Channel									
Frequency [MHz]									
15	P12 BPSK	1	1	21.90	21.73	21.52	23.0	0.0	
Channel									
Frequency [MHz]									
10	P12 BPSK	1	1	21.60	21.77	21.46	23.0	0.0	
Channel									
Frequency [MHz]									
5	P12 BPSK	1	1	21.79	21.55	21.39	23.0	0.0	

n25_Ant 2									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up [ms]	MFR [dB]	
Channel									
Frequency [MHz]									
20	P12 BPSK	1	1	22.35	24.30	24.20	26.0	0.0	
20	P12 BPSK	1	50	24.63	24.50	24.10			
20	P12 BPSK	1	104	24.60	24.50	24.09			
20	P12 BPSK	50	0	24.78	24.30	24.07	25.0	0.0	
20	P12 BPSK	50	26	24.85	24.33	24.11	25.0	0.0	
20	P12 BPSK	50	50	24.87	24.27	24.11	25.0	0.0	
20	P12 BPSK	100	0	24.82	24.31	24.10	26.0	0.0	
20	QPSK	1	1	24.47	24.50	24.20			
20	QPSK	1	50	24.80	24.37	24.17			
20	QPSK	1	104	24.66	24.29	24.20	25.0	1.0	
20	QPSK	50	0	24.94	24.42	24.22			
20	QPSK	50	26	24.85	24.31	24.10			
20	QPSK	50	50	24.70	24.26	24.13	25.0	1.0	
20	QPSK	100	0	24.82	24.30	24.14	25.0	1.0	
20	16QAM	1	1	25.00	24.56	24.51	25.0	1.0	
20	16QAM	1	1	23.47	23.25	23.20	23.0	2.0	
20	256QAM	1	1	21.48	21.02	20.79	21.0	4.0	
Channel									
Frequency [MHz]									
15	P12 BPSK	1	1	22.05	24.50	24.20	26.0	0.0	
Channel									
Frequency [MHz]									
10	P12 BPSK	1	1	22.00	24.43	24.10	26.0	0.0	
Channel									
Frequency [MHz]									
5	P12 BPSK	1	1	24.09	24.41	24.21	26.0	0.0	



n26_Ant 0									
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (MHz)	Power Mid Ch./Freq. (MHz)	Power High Ch./Freq. (MHz)	Turnup (ms)	MFR (dB)	
Channel									
Frequency (MHz)									
20	P1/2 BPSK	1	1	24.00	24.01	24.02			
20	P1/2 BPSK	1	53	24.02	24.03	24.01	20.0	0.0	
20	P1/2 BPSK	1	104	24.07	24.06	24.04			
20	P1/2 BPSK	50	0	24.03	24.01	24.05	25.0	0.0	
20	P1/2 BPSK	50	38	24.04	24.00	24.02	20.0	0.0	
20	P1/2 BPSK	50	56	24.02	24.02	24.00	25.0	0.0	
20	P1/2 BPSK	100	0	24.04	24.00	24.00			
20	QPSK	1	1	24.00	24.02	24.04			
20	QPSK	1	53	24.07	24.03	24.05	20.0	0.0	
20	QPSK	1	104	24.06	24.00	24.00			
20	QPSK	50	0	23.99	24.02	24.00	25.0	1.0	
20	QPSK	50	38	24.03	24.04	24.01	20.0	0.0	
20	QPSK	50	56	23.98	24.04	23.90	25.0	1.0	
20	QPSK	100	0	24.07	24.02	24.01	25.0	1.0	
20	16QAM	1	1	24.25	24.30	23.91	20.0	1.0	
20	16QAM	1	1	22.01	22.74	22.70	23.0	2.0	
20	256QAM	1	1	20.02	20.02	20.00	21.0	4.0	
Channel									
Frequency (MHz)									
15	P1/2 BPSK	1	1	24.03	24.04	24.07	20.0	0.0	
Channel									
Frequency (MHz)									
10	P1/2 BPSK	1	1	24.01	24.01	24.00	20.0	0.0	
Channel									
Frequency (MHz)									
0	P1/2 BPSK	1	1	24.40	24.01	24.00	20.0	0.0	

n26_Ant 2									
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (MHz)	Power Mid Ch. / Freq. (MHz)	Power High Ch. / Freq. (MHz)	Turnup (ms)	MFR (dB)	
Channel									
Frequency (MHz)									
20	P1/2 BPSK	1	1	24.00	24.01	24.02			
20	P1/2 BPSK	1	53	24.02	24.00	24.01	20.0	0.0	
20	P1/2 BPSK	1	104	24.07	24.06	24.04			
20	P1/2 BPSK	50	0	24.03	24.01	24.05	25.0	0.0	
20	P1/2 BPSK	50	38	24.04	24.00	24.02	20.0	0.0	
20	P1/2 BPSK	50	56	24.02	24.02	24.00	25.0	0.0	
20	P1/2 BPSK	100	0	24.04	24.00	24.00			
20	QPSK	1	1	24.00	24.02	24.04			
20	QPSK	1	53	24.07	24.03	24.05	20.0	0.0	
20	QPSK	1	104	24.06	24.00	24.00			
20	QPSK	50	0	23.99	24.02	24.00	25.0	1.0	
20	QPSK	50	38	24.03	24.04	24.01	20.0	0.0	
20	QPSK	50	56	23.98	24.04	23.90	25.0	1.0	
20	QPSK	100	0	24.07	24.02	24.01	25.0	1.0	
20	16QAM	1	1	24.25	24.30	23.91	20.0	1.0	
20	16QAM	1	1	22.01	22.74	22.70	23.0	2.0	
20	256QAM	1	1	20.02	20.02	20.00	21.0	4.0	
Channel									
Frequency (MHz)									
15	P1/2 BPSK	1	1	24.03	24.04	24.07	20.0	0.0	
Channel									
Frequency (MHz)									
10	P1/2 BPSK	1	1	24.01	24.01	24.00	20.0	0.0	
Channel									
Frequency (MHz)									
0	P1/2 BPSK	1	1	24.40	24.01	24.00	20.0	0.0	

n66_Ant 1									
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (MHz)	Power Mid Ch. / Freq. (MHz)	Power High Ch. / Freq. (MHz)	Turnup (ms)	MFR (dB)	
Channel									
Frequency (MHz)									
40	P1/2 BPSK	1	1	1731	1731	1731			
40	P1/2 BPSK	1	108	1741	1740	1740	20.0	0.0	
40	P1/2 BPSK	1	214	1746	1742	1746			
40	P1/2 BPSK	100	0	1740	1740	1740	20.0	0.0	
40	P1/2 BPSK	100	56	1737	1730	1730	20.0	0.0	
40	P1/2 BPSK	100	108	1740	1737	1730	20.0	0.0	
40	P1/2 BPSK	210	0	1740	1740	1740			
40	QPSK	1	1	1740	1740	1740			
40	QPSK	1	108	1743	1740	1740	20.0	0.0	
40	QPSK	1	214	1746	1742	1746			
40	QPSK	100	0	1741	1740	1740	20.0	1.0	
40	QPSK	100	56	1740	1740	1740	20.0	0.0	
40	QPSK	100	108	1740	1740	1740	20.0	1.0	
40	QPSK	210	0	1741	1740	1740	20.0	1.0	
40	16QAM	1	1	1740	1740	1740	20.0	1.0	
40	256QAM	1	1	1713	1710	1710	23.0	2.0	
40	256QAM	1	1	1710	1710	1710	23.0	2.0	
Channel									
Frequency (MHz)									
20	P1/2 BPSK	1	1	1740	1740	1740	20.0	0.0	
Channel									
Frequency (MHz)									
15	P1/2 BPSK	1	1	1740	1740	1740	20.0	0.0	
Channel									
Frequency (MHz)									
10	P1/2 BPSK	1	1	1740	1740	1740	20.0	0.0	
Channel									
Frequency (MHz)									
0	P1/2 BPSK	1	1	1740	1740	1740	20.0	0.0	

n66_Ant 2									
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (MHz)	Power Mid Ch. / Freq. (MHz)	Power High Ch. / Freq. (MHz)	Turnup (ms)	MFR (dB)	
Channel									
Frequency (MHz)									
40	P1/2 BPSK	1	1	1730	1730	1730			
40	P1/2 BPSK	1	108	1743	1740	1740	20.0	0.0	
40	P1/2 BPSK	1	214	1746	1742	1746			
40	P1/2 BPSK	100	0	1740	1740	1740	20.0	0.0	
40	P1/2 BPSK	100	56	1737	1730	1730	20.0	0.0	
40	P1/2 BPSK	100	108	1740	1737	1730	20.0	0.0	
40	P1/2 BPSK	210	0	1740	1740	1740			
40	QPSK	1	1	1740	1740	1740			
40	QPSK	1	108	1743	1740	1740	20.0	0.0	
40	QPSK	1	214	1746	1742	1746			
40	QPSK	100	0	1741	1740	1740	20.0	1.0	
40	QPSK	100	56	1740	1740	1740	20.0	0.0	
40	QPSK	100	108	1740	1740	1740	20.0	1.0	
40	QPSK	210	0	1741	1740	1740	20.0	1.0	
40	16QAM	1	1	1740	1740	1740	20.0	1.0	
40	16QAM	1	1	1713	1710	1710	23.0	2.0	
40	256QAM	1	1	1710	1710	1710	23.0	2.0	
Channel									
Frequency (MHz)									
20	P1/2 BPSK	1	1	1740	1740	1740	20.0	0.0	
Channel									
Frequency (MHz)									
15	P1/2 BPSK	1	1	1740	1740	1740	20.0	0.0	
Channel									
Frequency (MHz)									
10	P1/2 BPSK	1	1	1740	1740	1740	20.0	0.0	
Channel									
Frequency (MHz)									
0	P1/2 BPSK	1	1	1740	1740	1740	20.0	0.0	

n71_Ant 0									
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up (ms)	MPE (dB)	
Channel									
Frequency (MHz)									
				873	880.5	888			
20	P12 BPSK	1	1	24.52	24.67	24.84			
20	P12 BPSK	1	53	24.52	24.66	24.82	20.0		0.0
20	P12 BPSK	1	104	24.54	24.75	24.95			
20	P12 BPSK	50	0	24.52	24.64	24.21	20.5		0.5
20	P12 BPSK	50	28	24.57	24.85	24.75	20.0		0.0
20	P12 BPSK	50	56	24.50	24.34	23.88	20.5		0.5
20	P12 BPSK	100	0	24.61	24.62	24.70			
20	QPSK	1	1	24.52	24.62	24.65			
20	QPSK	1	53	24.52	24.65	24.85	20.0		0.0
20	QPSK	1	104	24.54	24.75	24.97			
20	QPSK	50	0	24.50	24.75	24.99	20.0		1.0
20	QPSK	50	28	24.58	24.64	24.88	20.0		0.0
20	QPSK	50	56	24.75	23.75	23.87	20.0		0.0
20	QPSK	100	0	24.70	24.67	23.58	20.0		1.0
20	16QAM	1	1	24.25	24.38	24.44	20.0		1.0
20	16QAM	1	1	22.71	22.80	22.88	20.5		2.5
20	256QAM	1	1	20.40	20.59	20.65	21.5		4.5
Channel									
Frequency (MHz)									
				870.5	880.5	888			
15	P12 BPSK	1	1	24.52	24.60	24.47	20.0		0.0
Channel									
Frequency (MHz)									
				888	880.5	880			
10	P12 BPSK	1	1	24.47	24.59	24.44	20.0		0.0
Channel									
Frequency (MHz)									
				880.5	880.5	880.5			
5	P12 BPSK	1	1	24.48	24.57	24.42	20.0		0.0

n71_Ant 2									
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up (ms)	MPE (dB)	
Channel									
Frequency (MHz)									
				873	880.5	888			
20	P12 BPSK	1	1	24.52	24.67	24.84			
20	P12 BPSK	1	53	24.52	24.66	24.82	20.0		0.0
20	P12 BPSK	1	104	24.54	24.75	24.95			
20	P12 BPSK	50	0	24.52	24.64	24.21	20.5		0.5
20	P12 BPSK	50	28	24.57	24.85	24.75	20.0		0.0
20	P12 BPSK	50	56	24.50	24.34	23.88	20.5		0.5
20	P12 BPSK	100	0	24.61	24.62	24.70	20.5		0.5
20	QPSK	1	1	24.52	24.62	24.65			
20	QPSK	1	53	24.52	24.65	24.85	20.0		0.0
20	QPSK	1	104	24.54	24.75	24.97			
20	QPSK	50	0	24.50	24.75	24.99	20.0		1.0
20	QPSK	50	28	24.58	24.64	24.88	20.0		0.0
20	QPSK	50	56	24.75	23.75	23.87	20.0		0.0
20	QPSK	100	0	24.70	24.67	23.58	20.0		1.0
20	16QAM	1	1	24.25	24.38	24.44	20.0		1.0
20	16QAM	1	1	22.71	22.80	22.88	20.5		2.5
20	256QAM	1	1	20.40	20.59	20.65	21.5		4.5
Channel									
Frequency (MHz)									
				873.5	880.5	886.5			
15	P12 BPSK	1	1	24.52	24.66	24.47	20.0		0.0
Channel									
Frequency (MHz)									
				888	880.5	880			
10	P12 BPSK	1	1	24.47	24.59	24.44	20.0		0.0
Channel									
Frequency (MHz)									
				880.5	880.5	880.5			
5	P12 BPSK	1	1	24.49	24.57	24.42	20.0		0.0



n38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [F/MHz]	Power Middle Ch. [F/MHz]	Power High Ch. [F/MHz]	Turn-on (ms)	dBm	dBd
Channel									
Frequency (MHz)									
40	P1/2 BPSK	1	1	22.15	22.20	22.25			
40	P1/2 BPSK	1	53	22.15	22.20	22.25	23.5	0.0	
40	P1/2 BPSK	1	104	22.22	22.27	22.32			
40	P1/2 BPSK	50	5	22.08	22.25	22.23	23.5	0.0	
40	P1/2 BPSK	50	26	22.11	22.28	22.25	23.5	0.0	
40	P1/2 BPSK	50	56	22.20	22.18	22.16			
40	P1/2 BPSK	100	0	22.18	22.20	22.15	23.5	0.0	
40	QPSK	1	1	22.17	22.21	22.12			
40	QPSK	1	53	22.09	22.26	22.07	23.5	0.0	
40	QPSK	1	104	22.13	22.23	22.20			
40	QPSK	50	5	22.09	22.24	22.18			
40	QPSK	50	26	22.06	22.22	22.19	23.5	0.0	
40	QPSK	50	56	22.15	22.28	22.08			
40	QPSK	100	0	22.13	22.21	22.21	23.5	0.0	
40	16QAM	1	1	22.16	22.22	22.16	23.5	0.0	
40	16QAM	1	1	22.16	22.26	22.21	23.5	0.0	
40	256QAM	1	1	22.00	22.03	22.00	21.5	2.0	
Channel									
30	P1/2 BPSK	1	1	22.13	22.26	22.21	23.5	0.0	
Channel									
20	P1/2 BPSK	1	1	22.12	22.20	22.11	23.5	0.0	
Channel									
15	P1/2 BPSK	1	1	22.13	22.20	22.13	23.5	0.0	
Channel									
10	P1/2 BPSK	1	1	22.12	22.20	22.18	23.5	0.0	

n38_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [F/MHz]	Power Middle Ch. [F/MHz]	Power High Ch. [F/MHz]	Turn-on (ms)	dBm	dBd
Channel									
Frequency (MHz)									
40	P1/2 BPSK	1	1	21.22	21.60	21.25			
40	P1/2 BPSK	1	53	21.60	21.70	21.60	23.0	0.0	
40	P1/2 BPSK	1	104	21.70	21.73	21.63			
40	P1/2 BPSK	50	0	21.60	21.75	21.63	23.0	0.0	
40	P1/2 BPSK	50	26	21.70	21.70	21.70	23.0	0.0	
40	P1/2 BPSK	50	56	21.62	21.68	21.60			
40	P1/2 BPSK	100	0	21.60	21.70	21.60	23.0	0.0	
40	QPSK	1	1	21.60	21.63	21.77			
40	QPSK	1	53	21.64	21.62	21.60	23.0	0.0	
40	QPSK	1	104	21.60	21.74	21.60			
40	QPSK	50	5	21.64	21.61	21.62			
40	QPSK	50	26	21.75	21.75	21.74	23.0	0.0	
40	QPSK	50	56	21.57	21.72	21.72			
40	QPSK	100	0	21.63	21.73	21.59	22.0	1.0	
40	16QAM	1	1	21.58	21.72	21.64	23.0	0.0	
40	16QAM	1	1	21.67	21.70	21.65	23.0	0.0	
40	256QAM	1	1	20.90	20.90	20.90	21.5	1.5	
Channel									
30	P1/2 BPSK	1	1	21.60	21.75	21.58	23.0	0.0	
Channel									
20	P1/2 BPSK	1	1	21.61	21.63	21.55	23.0	0.0	
Channel									
15	P1/2 BPSK	1	1	21.62	21.64	21.63	23.0	0.0	
Channel									
10	P1/2 BPSK	1	1	21.72	21.73	21.60	23.0	0.0	

n41_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [F/MHz]	Power Middle Ch. [F/MHz]	Power High Ch. [F/MHz]	Turn-on (ms)	dBm	dBd
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	24.43	24.70	24.67			
100	P1/2 BPSK	1	137	24.38	24.63	24.63	26.0	0.0	
100	P1/2 BPSK	1	271	24.40	24.60	24.61			
100	P1/2 BPSK	150	0	24.50	24.60	24.60	26.0	0.0	
100	P1/2 BPSK	150	60	24.42	24.50	24.61	26.0	0.0	
100	P1/2 BPSK	150	138	24.15	24.48	24.62	26.0	0.0	
100	P1/2 BPSK	200	0	24.50	24.60	24.60			
100	QPSK	1	1	24.13	24.60	24.60			
100	QPSK	1	137	24.41	24.62	24.60	26.0	0.0	
100	QPSK	1	271	24.30	24.67	24.63			
100	QPSK	150	0	24.40	24.60	24.62	26.0	0.0	
100	QPSK	150	60	24.38	24.66	24.61	26.0	0.0	
100	QPSK	150	138	24.30	24.60	24.60			
100	QPSK	200	0	24.42	24.60	24.64	26.0	0.0	
100	16QAM	1	1	24.33	24.60	24.61	26.0	0.0	
100	16QAM	1	1	23.80	23.50	23.75	25.0	1.0	
100	256QAM	1	1	21.45	21.10	21.04	23.0	3.0	
Channel									
60	P1/2 BPSK	1	1	24.18	24.60	24.75	26.0	0.0	
Channel									
80	P1/2 BPSK	1	1	24.18	24.60	24.75	26.0	0.0	
Channel									
70	P1/2 BPSK	1	1	24.18	24.40	24.70	26.0	0.0	
Channel									
60	P1/2 BPSK	1	1	24.34	24.70	24.70	26.0	0.0	
Channel									
50	P1/2 BPSK	1	1	24.43	24.72	24.70	26.0	0.0	
Channel									
40	P1/2 BPSK	1	1	24.53	24.70	24.63	26.0	0.0	
Channel									
30	P1/2 BPSK	1	1	24.38	24.57	24.50	26.0	0.0	
Channel									
20	P1/2 BPSK	1	1	24.38	24.57	24.50	26.0	0.0	

n41(HPUE)_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [F/MHz]	Power Middle Ch. [F/MHz]	Power High Ch. [F/MHz]	Turn-on (ms)	dBm	dBd
Channel									
Frequency (MHz)									
100	P1/2 BPSK	1	1	25.30	25.63	25.60			
100	P1/2 BPSK	1	137	25.34	25.60	25.60	27.5	0.0	
100	P1/2 BPSK	1	271	25.75	25.60	25.50			
100	P1/2 BPSK	150	0	25.38	25.60	25.61	27.0	0.0	
100	P1/2 BPSK	150	60	25.30	25.50	25.70	27.5	0.0	
100	P1/2 BPSK	150	138	25.15	25.60	25.64	27.0	0.0	
100	P1/2 BPSK	200	0	25.38	25.60	25.60			
100	QPSK	1	1	25.32	25.62	25.50			
100	QPSK	1	137	25.30	25.58	25.52	27.5	0.0	
100	QPSK	1	271	25.70	25.52	25.50			
100	QPSK	150	0	24.86	24.53	24.50			
100	QPSK	150	60	25.30	25.53	25.52	27.5	0.0	
100	QPSK	150	138	24.87	24.52	24.51			
100	QPSK	200	0	24.78	24.52	24.54	26.0	1.0	
100	16QAM	1	1	25.11	24.50	24.49	26.0	1.0	
100	16QAM	1	1	25.62	25.50	25.71	26.0	0.0	
100	256QAM	1	1	21.43	21.17	21.00	23.0	0.0	
Channel									
50	P1/2 BPSK	1	1	25.30	25.54	25.58	27.5	0.0	
Channel									
80	P1/2 BPSK	1	1	25.75	25.67	25.60	27.5	0.0	
Channel									
70	P1/2 BPSK	1	1	25.30	25.67	25.53	27.5	0.0	
Channel									
60	P1/2 BPSK	1	1	25.77	25.50	25.49	27.5	0.0	
Channel									
50	P1/2 BPSK	1	1	25.12	25.52	25.48	26.0	0.0	
Channel									
40	P1/2 BPSK	1	1	25.72	25.50	25.44	27.5	0.0	
Channel									
30	P1/2 BPSK	1	1	25.10	25.43	25.40	27.5	0.0	
Channel									
20	P1/2 BPSK	1	1	25.73	25.48	25.57	27.5	0.0	



n41_Ant 8										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Main Ch. F.Freq.	Power High Ch. F.Freq.	Turn-on time (sec)	MFR (dB)		
Channel										
Frequency [MHz]				350000	338000	349000		3540.01	3502.93	3540
100	P12 BPSK	1	1	24.43	24.51	24.63				
100	P12 BPSK	1	137	24.39	24.63	24.63	20.0	0.0		
100	P12 BPSK	1	273	24.40	24.62	24.61				
100	P12 BPSK	155	0	24.66	24.65	24.60	20.0	0.0		
100	P12 BPSK	155	66	24.62	24.65	24.60	20.0	0.0		
100	P12 BPSK	155	134	24.75	24.66	24.62	20.0	0.0		
100	P12 BPSK	220	0	25.08	24.96	24.62				
100	QPSK	1	1	24.73	24.65	24.65				
100	QPSK	1	137	24.41	24.62	24.62	20.0	0.0		
100	QPSK	1	273	24.39	24.67	24.62				
100	QPSK	155	0	24.46	24.62	24.62				
100	QPSK	155	66	24.38	24.66	24.61	20.0	0.0		
100	QPSK	155	134	24.39	24.66	24.60				
100	QPSK	220	0	24.42	24.66	24.64	20.0	0.0		
100	16QAM	1	1	24.50	24.62	24.61	20.0	0.0		
100	16QAM	1	1	25.00	25.06	25.15	20.0	1.0		
100	256QAM	1	1	27.40	27.12	27.04	20.0	0.0		
Channel										
Frequency [MHz]				350000	338000	349000		3540.01	3502.93	3540
50	P12 BPSK	1	1	24.41	24.52	24.64	20.0	0.0		
Channel										
Frequency [MHz]				350000	338000	349000		3540.01	3502.93	3540
50	P12 BPSK	1	1	24.41	24.52	24.64	20.0	0.0		
Channel										
Frequency [MHz]				357000	338000	349000		3570.02	3502.93	3570
80	P12 BPSK	1	1	24.16	24.06	24.19	20.0	0.0		
Channel										
Frequency [MHz]				357001	338000	349000		3570.01	3502.93	3570
70	P12 BPSK	1	1	24.76	24.10	24.19	20.0	0.0		
Channel										
Frequency [MHz]				357002	338000	349000		3570.02	3502.93	3570
80	P12 BPSK	1	1	24.42	24.16	24.16	20.0	0.0		
Channel										
Frequency [MHz]				534004	518006	534006		5340.04	5180.06	5340
50	Frequency [MHz]			732.00	704.00	704.00		732.00	704.00	732.00
50	P12 BPSK	1	1	24.41	24.20	24.19	20.0	0.0		
Channel										
Frequency [MHz]				533002	518006	534002		5330.02	5180.06	5330
40	P12 BPSK	1	1	24.73	24.26	24.42	20.0	0.0		
Channel										
Frequency [MHz]				532000	518006	534000		5320.00	5180.06	5320
30	P12 BPSK	1	1	24.35	24.24	24.32	20.0	0.0		
Channel										
Frequency [MHz]				531004	518006	533000		5310.04	5180.06	5310
20	P12 BPSK	1	1	24.38	24.37	24.26	20.0	0.0		

n41(HPUE)_Ant 8										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Main Ch. F.Freq.	Power High Ch. F.Freq.	Turn-up time (sec)	MFR (dB)		
Channel										
Frequency [MHz]				350000	338000	349000		3540.01	3502.93	3540
100	P12 BPSK	1	1	25.05	25.07	25.05				
100	P12 BPSK	1	137	25.04	25.05	25.05	27.5	0.0		
100	P12 BPSK	1	273	25.70	25.60	25.53				
100	P12 BPSK	155	0	25.30	25.00	25.01	27.0	0.0		
100	P12 BPSK	155	66	25.60	25.05	25.01	27.5	0.0		
100	P12 BPSK	155	134	25.10	25.00	25.04	27.0	0.0		
100	P12 BPSK	220	0	25.00	25.00	25.01				
100	QPSK	1	1	25.02	25.02	25.06				
100	QPSK	1	137	25.00	25.06	25.02	27.5	0.0		
100	QPSK	1	273	25.72	25.07	25.00				
100	QPSK	155	0	24.86	24.63	24.52				
100	QPSK	155	66	25.65	25.03	25.01	27.5	0.0		
100	QPSK	155	134	24.67	24.52	24.51				
100	QPSK	220	0	24.70	24.52	24.54	26.5	1.0		
100	16QAM	1	1	25.11	24.50	24.65	26.0	1.0		
100	16QAM	1	1	25.62	25.02	25.17	26.5	2.5		
100	256QAM	1	1	27.40	27.17	27.02	23.0	4.5		
Channel										
Frequency [MHz]				350000	338000	349000		3540.01	3502.93	3540
50	P12 BPSK	1	1	25.50	25.54	25.58	27.5	0.0		
Channel										
Frequency [MHz]				357000	338000	349000		3570.02	3502.93	3570
80	P12 BPSK	1	1	25.75	25.67	25.65	27.5	0.0		
Channel										
Frequency [MHz]				3570.01	338000	349000		3570.01	3502.93	3570
70	P12 BPSK	1	1	25.65	25.67	25.53	27.5	0.0		
Channel										
Frequency [MHz]				3570.02	338000	349000		3570.02	3502.93	3570
80	P12 BPSK	1	1	24.97	24.63	24.66	27.5	0.0		
Channel										
Frequency [MHz]				534004	518006	534006		5340.04	5180.06	5340
50	Frequency [MHz]			732.00	704.00	704.00		732.00	704.00	732.00
50	P12 BPSK	1	1	25.72	25.51	25.57	27.5	0.0		
Channel										
Frequency [MHz]				533002	518006	534002		5330.02	5180.06	5330
40	P12 BPSK	1	1	25.70	25.56	25.54	27.5	0.0		
Channel										
Frequency [MHz]				532000	518006	534000		5320.00	5180.06	5320
30	P12 BPSK	1	1	25.50	25.53	25.66	27.5	0.0		
Channel										
Frequency [MHz]				531004	518006	533000		5310.04	5180.06	5310
20	P12 BPSK	1	1	25.75	25.69	25.57	27.5	0.0		

n48_Ant 7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq.	Power Main Ch. F.Freq.	Power High Ch. F.Freq.	Turnup time (sec)	MFR (dB)		
Channel										
Frequency [MHz]				3070	3024.98	3070.98				
40	P12 BPSK	1	1	24.55	24.45	24.50				
40	P12 BPSK	1	83	24.45	24.29	24.27	20.0	0.0		
40	P12 BPSK	1	164	24.55	24.43	24.32				
40	P12 BPSK	50	0	24.43	24.34	24.35	20.0	0.0		
40	P12 BPSK	50	26	24.45	24.31	24.31	20.0	0.0		
40	P12 BPSK	50	56	24.45	24.30	24.22	20.0	0.0		
40	P12 BPSK	100	0	24.45	24.29	24.29				
40	QPSK	1	1	24.54	24.59	24.47				
40	QPSK	1	83	24.53	24.51	24.54	20.0	0.0		
40	QPSK	1	164	24.54	24.43	24.38				
40	QPSK	50	0	23.94	23.78	23.85				
40	QPSK	50	26	24.43	24.25	24.27	20.0	0.0		
40	QPSK	50	86	23.92	23.71	23.81				
40	QPSK	100	0	23.93	23.70	23.75	20.0	1.0		
40	16QAM	1	1	24.07	24.01	24.05	20.0	1.0		
40	16QAM	1	1	25.52	25.46	25.50	20.0	2.5		
40	256QAM	1	1	27.47	27.30	27.33	27.5	4.5		
Channel										
Frequency [MHz]				3072.94	3056.98	3072.98		3072.94	3056.98	3072.98
20	P12 BPSK	1	1	24.51	24.44	24.29	20.0	0.0		
Channel										
Frequency [MHz]				3070	3056.98	3072.98		3070	3056.98	3072.98
10	P12 BPSK	1	1	24.45	24.34	24.25	20.0	0.0		

n48_Ant 8										
BW [MHz]	Modulation	RB Size	RB Offset	Power Main Ch. F.Freq.	Power Main Ch. F.Freq.	Power Main Ch. F.Freq.	Turn-on time (sec)	MFR (dB)		
Channel										
Frequency [MHz]				3060.01	3016.66	3060.01				
40	P12 BPSK	1	1	25.05	25.03	25.03				
40	P12 BPSK	1	83	25.03	25.01	25.00	22.5	0.0		
40	P12 BPSK	1	164	25.02	25.00	25.01				
40	P12 BPSK	50	0	25.78	25.67	25.71	20.0	0.0		
40	P12 BPSK	50	26	25.78	25.67	25.71	20.0	0.0		
40	P12 BPSK	100	0	25.95	25.86	25.97	22.5	0.0		
40	QPSK	1	83	25.03	25.01	25.01				
40	QPSK	1	164	25.02	25.00	25.01				
40	QPSK	1	246	25.01	25.00	25.01				
40	QPSK	50	0	25.77	25.74	25.72	20.0	0.0		
40	QPSK	50	26	25.78	25.67	25.64	20.0	0.0		
40	QPSK	50	50	25.89	25.68	25.65				
40	QPSK	50	74	25.92	25.67	25.67	22.5	0.0		
40	QPSK	100	0	25.95	25.86	25.97	22.5	0.0		
40	QPSK	1	0	25.02	25.00	25.01	20.0	0.0		
40	QPSK	1	2	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	3	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	4	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	5	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	6	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	7	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	8	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	9	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	10	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	11	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	12	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	13	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	14	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	15	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	16	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	17	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	18	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	19	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	20	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	21	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	22	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	23	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	24	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	25	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	26	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	27	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	28	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	29	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	30	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	31	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	32	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	33	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	34	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	35	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	36	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	37	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	38	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	39	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	40	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	41	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	42	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	43	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	44	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	45	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	46	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	47	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	48	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	49	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	50	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	51	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	52	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	53	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	54	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	55	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	56	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	57	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	58	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	59	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	60	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	61	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	62	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	63	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	64	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	65	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	66	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	67	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	68	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	69	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	70	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	71	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	72	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	73	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	74	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	75	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	76	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	77	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	78	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	79	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	80	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	81	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	82	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	83	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	84	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	85	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	86	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	87	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	88	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	89	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	90	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	91	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	92	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	93	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	94	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	95	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	96	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	97	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	98	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	99	25.06	25.04	25.05	22.5	0.0		
40	QPSK	1	100	25.06	25.04	25.05	22.5	0.0		



n48_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Main Ch. F/Freq.	Power High Ch. F/Freq.	Turn-on Time (sec)	MFR (dB)	
Channel									
Frequency (MHz)				3370	3624.90	3679.90			
40	P12 BPSK	1	1	18.22	18.12	18.12			
40	P12 BPSK	1	53	18.14	18.07	18.08	19.5	0.0	
40	P12 BPSK	1	104	18.18	18.05	18.01			
40	P12 BPSK	50	1	17.86	18.05	17.99	19.5	0.0	
40	P12 BPSK	50	26	18.20	18.10	18.07	19.5	0.0	
40	P12 BPSK	50	56	18.09	18.09	17.87			
40	P12 BPSK	100	0	18.08	17.86	18.07	19.5	0.0	
40	QPSK	1	1	18.15	18.01	17.89			
40	QPSK	1	53	18.12	18.18	18.24	19.5	0.0	
40	QPSK	1	104	18.17	18.14	18.08			
40	QPSK	50	0	18.04	17.84	18.06			
40	QPSK	50	26	17.85	17.82	17.99	19.5	0.0	
40	QPSK	50	56	17.82	17.82	17.82			
40	QPSK	100	0	17.82	18.00	18.13	19.5	0.0	
40	16QAM	1	1	18.20	18.21	18.07	19.5	0.0	
40	16QAM	1	1	18.14	18.18	18.05	19.5	0.0	
40	256QAM	1	1	17.89	17.98	18.08	19.5	0.0	
Channel									
Frequency (MHz)				3682.00	3686.00	3690.00			
20	P12 BPSK	1	1	17.76	18.05	17.89	19.5	0.0	
Channel									
Frequency (MHz)				3690.00	3690.00	3690.00			
10	P12 BPSK	1	1	17.70	17.98	18.07	19.5	0.0	

n48_Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Main Ch. F/Freq.	Power High Ch. F/Freq.	Turn-on Time (sec)	MFR	
Channel									
Frequency (MHz)				36700	36249.0	36799.0			
40	P12 BPSK	1	1	24.55	24.50	24.50			
40	P12 BPSK	1	53	24.45	24.28	24.27	20.0	0.0	
40	P12 BPSK	1	104	24.50	24.43	24.32			
40	P12 BPSK	50	1	24.43	24.34	24.33	25.0	0.0	
40	P12 BPSK	50	26	24.45	24.35	24.31	20.0	0.0	
40	P12 BPSK	50	56	24.40	24.30	24.22	25.0	0.0	
40	P12 BPSK	100	0	24.40	24.30	24.30			
40	QPSK	1	1	24.54	24.38	24.41			
40	QPSK	1	53	24.53	24.51	24.34	20.0	0.0	
40	QPSK	1	104	24.54	24.50	24.38			
40	QPSK	50	0	23.94	23.78	23.80			
40	QPSK	50	26	24.43	24.25	24.27	20.0	0.0	
40	QPSK	50	56	23.92	23.71	23.81			
40	QPSK	100	0	23.92	23.78	23.75	25.0	1.0	
40	16QAM	1	1	24.07	24.01	24.05	25.0	1.0	
40	16QAM	1	1	22.55	22.46	22.56	23.0	2.5	
40	256QAM	1	1	20.47	20.33	20.35	21.0	4.0	
Channel									
Frequency (MHz)				36800	36800.0	36800.0			
20	P12 BPSK	1	1	24.51	24.44	24.39	20.0	0.0	
Channel									
Frequency (MHz)				36900	36900.0	36900.0			
10	P12 BPSK	1	1	24.45	24.34	24.25	20.0	0.0	

Part270_n77_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Main Ch. F/Freq.	Power High Ch. F/Freq.	Turn-on Time (sec)	MFR (dB)	
Channel									
Frequency (MHz)				3700	3640	3630			
100	P12 BPSK	1	1	24.51	24.45	24.39			
100	P12 BPSK	1	137	24.50	24.41	24.32	20.0	0.0	
100	P12 BPSK	1	271	24.78	24.63	24.73			
100	P12 BPSK	150	0	24.48	24.75	24.60	20.0	0.0	
100	P12 BPSK	150	80	24.60	24.71	24.71	20.0	0.0	
100	P12 BPSK	150	136	24.78	24.78	24.74	20.0	0.0	
100	P12 BPSK	270	0	24.63	24.62	24.79	20.0	0.0	
100	QPSK	1	1	24.89	24.67	24.69			
100	QPSK	1	137	24.90	24.78	24.72	20.0	0.0	
100	QPSK	1	271	24.77	24.63	24.78			
100	QPSK	150	0	24.86	24.78	24.63	20.0	0.0	
100	QPSK	150	80	24.80	24.73	24.77	20.0	0.0	
100	QPSK	150	136	24.74	24.72	24.79			
100	QPSK	270	0	24.61	24.74	24.71	20.0	0.0	
100	16QAM	1	1	24.78	24.60	24.72	20.0	0.0	
100	16QAM	1	1	24.08	24.05	24.01	20.0	1.0	
100	256QAM	1	1	21.96	21.87	21.79	20.0	3.0	
Channel									
Frequency (MHz)				3740.00	3690.00	3630.00			
50	P12 BPSK	1	1	24.85	24.63	24.61	20.0	0.0	
Channel									
Frequency (MHz)				3740.01	3690.00	3630.00			
80	P12 BPSK	1	1	24.79	24.65	24.63	20.0	0.0	
Channel									
Frequency (MHz)				3730	3640	3640			
70	P12 BPSK	1	1	24.83	24.65	24.65	20.0	0.0	
Channel									
Frequency (MHz)				3730.02	3640	3640.00			
60	P12 BPSK	1	1	24.83	24.68	24.63	19.0	0.0	
Channel									
Frequency (MHz)				64534	64500	64500	19.0	0.0	
50	P12 BPSK	1	1	24.77	24.59	24.59	20.0	0.0	
Channel									
Frequency (MHz)				64500	64500	64500	19.0	0.0	
Channel									
Frequency (MHz)				64512	64512	64512	19.0	0.0	
40	P12 BPSK	1	1	24.73	24.63	24.54	20.0	0.0	
Channel									
Frequency (MHz)				64768	64600	64632	19.0	0.0	
30	P12 BPSK	1	1	24.63	24.58	24.54	20.0	0.0	
Channel									
Frequency (MHz)				64734	64600	64600	19.0	0.0	
20	P12 BPSK	1	1	24.78	24.80	24.65	20.0	0.0	
Channel									
Frequency (MHz)				64718	64600	64632	19.0	0.0	
15	P12 BPSK	1	1	24.77	24.57	24.59	20.0	0.0	
Channel									
Frequency (MHz)				64700	64600	64600	19.0	0.0	
10	P12 BPSK	1	1	24.83	24.55	24.62	20.0	0.0	

Part270_n77(HPUe)_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F/Freq.	Power Main Ch. F/Freq.	Power High Ch. F/Freq.	Turn-on Time (sec)	MFR (dB)	
Channel									
Frequency (MHz)				3700	3640	3630			
100	P12 BPSK	1	1	24.45	24.36	24.33			
100	P12 BPSK	1	137	24.35	24.22	24.30	27.5	0.0	
100	P12 BPSK	1	271	24.38	24.32	24.29			
100	P12 BPSK	150	0	24.62	24.94	24.62	27.0	0.0	
100	P12 BPSK	150	80	24.35	24.35	24.71	27.5	0.0	
100	P12 BPSK	150	136	25.73	25.69	25.73	27.0	0.0	
100	P12 BPSK	270	0	24.63	24.77	24.78			
100	QPSK	1	1	24.42	24.35	24.32			
100	QPSK	1	137	24.35	24.24	24.30	27.5	0.0	
100	QPSK	1	271	24.35	24.26	24.23			
100	QPSK	150	0	24.38	25.41	25.39			
100	QPSK	150	80	24.36	24.17	24.32	27.5	0.0	
100	QPSK	150	136	25.27	25.24	25.24			
100	QPSK	270	0	25.27	25.25	25.31	26.0	1.0	
100	16QAM	1	1	24.31	24.29	24.29	26.0	1.0	
100	16QAM	1	1	24.08	24.08	24.05	25.0	2.5	
100	256QAM	1	1	21.98	21.88	21.80	25.0	4.0	
Channel									
Frequency (MHz)				3740.01	3690.00	3630.00			
50	P12 BPSK	1	1	24.44	24.34	24.22	27.0	0.0	
Channel									
Frequency (MHz)				3740.01	3690.00	3630.00			
80	P12 BPSK	1	1	24.44	24.17	24.15	27.0	0.0	
Channel									
Frequency (MHz)				3730	3640	3640			
70	P12 BPSK	1	1	24.42	24.22	24.22	27.0	0.0	
Channel									
Frequency (MHz)				3730.02	3640	3640.00			
60	P12 BPSK	1	1	24.42	24.20	24.21	27.0	0.0	
Channel									
Frequency (MHz)				3642.54	3660.00	3630.00			
50	P12 BPSK	1	1	24.31	24.16	24.16	27.0	0.0	
Channel									
Frequency (MHz)				3642.54	3660.00	3630.00			
40	P12 BPSK	1	1	24.31	24.14	24.14	27.0	0.0	
Channel									
Frequency (MHz)				3642.54	3660.00	3630.00			
30	P12 BPSK	1	1	24.37	24.23	24.23	27.0	0.0	
Channel									
Frequency (MHz)				3642.54	3660.00	3630.00			
20	P12 BPSK	1	1	24.35	24.18	24.18	27.0	0.0	
Channel									
Frequency (MHz)				3642.54	3660.00	3630.00			
15	P12 BPSK	1	1	24.32	24.21	24.21	27.0	0.0	
Channel									
Frequency (MHz)				3642.54	3660.00	3630.00			
10	P12 BPSK	1	1	24.42	24.22	24.24	27.0	0.0	

Part270_n77_Ant 8									
Site (MHz)	Modulation	RF Size	RF Offset	Power (dBm)	Power (dBm) Ch. Offset	Power (dBm) Ch. Offset	Power (dBm) Ch. Offset	Transmit Time (s)	MFR (s)
Frequency (MHz)				90.0000	90.0000	90.0000	90.0000		
100	Pro (SRSS)	1	1	22.95	-20.30	22.95	22.95		0.0
100	Pro (SRSS)	1	137	22.93	-20.30	22.98	22.98	24.0	0.0
100	Pro (SRSS)	136	241	22.93	-20.30	22.98	22.98	24.0	0.0
100	Pro (SRSS)	136	0	22.74	-20.85	22.65	22.65	24.0	0.0
100	Pro (SRSS)	136	96	22.92	-20.30	22.98	22.98	24.0	0.0
100	Pro (SRSS)	210	0	22.95	-20.30	22.95	22.95	24.0	0.0
100	GRSS	1	137	22.83	-20.88	22.91	22.91	24.0	0.0
100	GRSS	136	136	22.83	-20.88	22.91	22.91	24.0	0.0
100	GRSS	1	211	22.92	-20.30	22.98	22.98	24.0	0.0
100	GRSS	136	136	22.86	-20.76	22.95	22.95	24.0	0.0
100	GRSS	136	166	22.89	-20.82	22.92	22.92	24.0	0.0
100	GRSS	210	0	22.86	-20.76	22.95	22.95	24.0	0.0
100	GRSS	210	0	22.86	-20.76	22.95	22.95	24.0	0.0
100	IS414H	1	1	24.90	-22.31	22.87	22.87	24.0	0.0
100	IS414H	1	1	24.90	-22.31	22.87	22.87	24.0	0.0
Frequency (MHz)				94.0000	94.0000	94.0000	94.0000		MFR
100	Pro (SRSS)	1	1	24.92	-22.38	22.87	22.87	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134	94.0134		MFR
100	Pro (SRSS)	1	1	24.91	-22.40	22.88	22.88	24.0	0.0
Frequency (MHz)				94.0134	94.0134	94.0134			

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Ref (MHz)	Modulation	RB (Hz)	RF Offset	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Carrier Offset (Hz)	MPE (dB)
				Frequency (MHz)	Ch Power	Ch Power	Ch Power		
100	PSK-BPSK	1	1	22.95	22.95	22.95			
100	PSK-BPSK	1	137	22.93	22.93	22.98		24.3	0.0
100	PSK-BPSK	1	241	22.93	22.93	22.98		24.3	0.0
100	PSK-BPSK	126	0	22.74	22.85	22.85	24.3	24.3	0.0
100	PSK-BPSK	126	96	22.62	22.62	22.68		24.3	0.0
100	PSK-BPSK	126	186	22.62	22.62	22.68		24.3	0.0
100	QPSK	1	1	22.83	22.88	22.91			
100	QPSK	1	137	22.83	22.88	22.91		24.3	0.0
100	QPSK	1	241	22.83	22.88	22.91		24.3	0.0
100	QPSK	126	0	22.86	22.76	22.85	24.3	24.3	0.0
100	QPSK	126	96	22.89	22.82	22.90		24.3	0.0
100	QPSK	126	186	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	276	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	366	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	456	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	546	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	636	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	726	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	816	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	906	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	996	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	1086	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	1176	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	1266	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	1356	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	1446	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	1536	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	1626	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	1716	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	1806	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	1896	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	1986	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	2076	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	2166	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	2256	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	2346	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	2436	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	2526	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	2616	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	2706	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	2796	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	2886	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	2976	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	3066	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	3156	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	3246	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	3336	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	3426	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	3516	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	3606	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	3696	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	3786	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	3876	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	3966	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	4056	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	4146	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	4236	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	4326	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	4416	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	4506	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	4596	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	4686	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	4776	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	4866	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	4956	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	5046	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	5136	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	5226	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	5316	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	5406	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	5496	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	5586	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	5676	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	5766	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	5856	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	5946	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	6036	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	6126	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	6216	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	6306	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	6396	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	6486	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	6576	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	6666	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	6756	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	6846	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	6936	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	7026	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	7116	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	7206	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	7296	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	7386	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	7476	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	7566	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	7656	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	7746	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	7836	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	7926	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	8016	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	8106	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	8196	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	8286	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	8376	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	8466	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	8556	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	8646	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	8736	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	8826	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	8916	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	9006	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	9096	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	9186	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	9276	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	9366	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	9456	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	9546	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	9636	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	9726	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	9816	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	9906	22.86	22.72	22.85		24.3	0.0
100	QPSK	126	10000	22.86	22.72	22.85		24.3	0.0

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RF [MHz]	Modulation	RB [Hz]	SSB Offset	Power [dBm] Ch [Frac]	Power [dBm] Ch [Frac]	Power [dBm] Ch [Frac]	Power [dBm] Ch [Frac]	Carrier [dBm]	SNR [dB]
100	PSK-MQPSK	1	0	18.04	14.00	14.00	14.00		
100	PSK-PSK	1	137	14.00	14.00	14.00	14.00		0.0
100	PSK-PSK	1	211	14.00	14.00	14.00	14.00		0.0
100	PSK-PSK	150	0	14.88	14.85	14.86	15.0		0.0
100	PSK-PSK	150	88	15.01	15.01	15.01	15.0		0.0
100	PSK-PSK	150	158	15.00	15.00	15.00	15.0		0.0
100	PSK-PSK	210	0	15.00	15.00	15.00	15.0		0.0
100	QPSK	1	0	14.80	14.77	14.83			
100	QPSK	1	137	14.79	14.84	14.82			
100	QPSK	1	211	14.84	14.82	14.87			
100	QPSK	150	88	14.79	14.78	14.84			
100	QPSK	150	158	14.80	14.80	14.79	15.0		0.0
100	QPSK	210	0	14.80	14.81	14.84			
100	QPSK	210	88	14.80	14.80	14.80			
100	8QAM	1	0	14.85	14.84	14.87	15.0		0.0
100	25QAM	1	0	14.85	14.85	14.88			
100	Channel			16.9966	16.9966	16.9933			0.0
80	Frequency [MHz]			17.612	17.60	17.60			0.0
80	PSK-PSK	1	0	16.9434	16.9400	16.9400			
80	Channel			16.9434	16.9434	16.9466			0.0
80	Frequency [MHz]			17.611	17.60	17.60			0.0
80	PSK-PSK	1	0	16.9434	16.9400	16.9400			
80	Channel			16.9434	16.9434	16.9466			0.0
70	Frequency [MHz]			17.710	17.69	17.69			0.0
70	Channel			14.88	14.84	14.84			0.0
60	Frequency [MHz]			17.712	17.69	17.69			0.0
60	Channel			16.9434	16.9434	16.9466			0.0
50	Frequency [MHz]			17.711	17.69	17.69			0.0
50	Channel			14.79	14.79	14.79	15.0		0.0
40	Frequency [MHz]			14.79	14.79	14.79			0.0
40	Channel			16.9434	16.9434	16.9466			0.0
30	Frequency [MHz]			14.79	14.77	14.74	15.0		0.0
30	Channel			16.9434	16.9434	16.9466			0.0
20	Frequency [MHz]			14.79	14.77	14.74	15.0		0.0
20	Channel			16.9434	16.9434	16.9466			0.0
15	PSK-PSK	1	0	14.79	14.78	14.79	15.0		0.0
15	PSK-PSK	1	137	14.79	14.86	14.90	15.0		0.0
15	PSK-PSK	1	211	14.79	14.86	14.90	15.0		0.0
15	PSK-PSK	150	0	14.79	14.86	14.90	15.0		0.0
15	PSK-PSK	150	88	14.79	14.86	14.90	15.0		0.0
15	PSK-PSK	150	158	14.79	14.86	14.90	15.0		0.0
15	PSK-PSK	210	0	14.79	14.86	14.90	15.0		0.0
10	PSK-PSK	1	0	14.78	14.90	14.83	15.0		0.0

[illegible]



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-on (ms)	dBm (dB)	
Channel									
Frequency (MHz)				3750	3850	3950			
100	P12 BPSK	1	1	22.02	22.02	22.02			
100	P12 BPSK	1	137	22.01	21.99	21.98	23.0	0.0	
100	P12 BPSK	1	271	22.00	21.98	21.95			
100	P12 BPSK	135	0	21.98	21.95	21.94	23.0	0.0	
100	P12 BPSK	135	69	22.00	21.94	21.95	23.0	0.0	
100	P12 BPSK	135	135	21.79	21.82	21.82	23.0	0.0	
100	P12 BPSK	270	0	21.82	21.84	21.82			
100	QPSK	1	1	21.87	21.89	21.79			
100	QPSK	1	137	21.85	21.88	21.90	23.0	0.0	
100	QPSK	1	271	22.01	21.99	21.95			
100	QPSK	135	0	21.77	21.79	21.82			
100	QPSK	135	69	21.85	21.84	21.87	23.0	0.0	
100	QPSK	135	135	21.79	21.73	21.83			
100	QPSK	270	0	21.77	21.83	21.87	23.0	0.0	
100	16QAM	1	1	21.96	22.00	21.82	23.0	0.0	
100	16QAM	1	1	21.84	21.98	21.91	23.0	0.0	
100	256QAM	1	1	21.80	21.72	21.74	23.0	0.0	
Channel									
Frequency (MHz)				3745.02	3850	3954.98	Int.	dBm (dB)	
50	P12 BPSK	1	1	21.94	21.76	21.98	23.0	0.0	
Channel									
Frequency (MHz)				3742.11	3850	3959.89	Int.	dBm (dB)	
80	P12 BPSK	1	1	21.85	21.81	21.87	23.0	0.0	
Channel									
Frequency (MHz)				3735	3840	3945	Int.	dBm (dB)	
70	P12 BPSK	1	1	21.85	21.89	21.88	23.0	0.0	
Channel									
Frequency (MHz)				3730.02	3840	3945.98	Int.	dBm (dB)	
80	P12 BPSK	1	1	21.82	21.79	21.84	23.0	0.0	
Channel									
Frequency (MHz)				6659.04	66600	66600	Int.	dBm (dB)	
80	P12 BPSK	1	1	21.82	21.84	21.84	23.0	0.0	
Channel									
Frequency (MHz)				6659.04	66600	66600	Int.	dBm (dB)	
80	P12 BPSK	1	1	21.84	21.85	21.85	23.0	0.0	
Channel									
Frequency (MHz)				6659.04	66600	66600	Int.	dBm (dB)	
40	P12 BPSK	1	1	21.82	21.87	21.89	23.0	0.0	
Channel									
Frequency (MHz)				667698	66600	666332	Int.	dBm (dB)	
30	P12 BPSK	1	1	21.84	21.79	21.98	23.0	0.0	
Channel									
Frequency (MHz)				667334	66600	666666	Int.	dBm (dB)	
20	P12 BPSK	1	1	21.82	21.82	21.85	23.0	0.0	
Channel									
Frequency (MHz)				667168	66600	666532	Int.	dBm (dB)	
15	P12 BPSK	1	1	21.83	21.99	21.98	23.0	0.0	
Channel									
Frequency (MHz)				667000	66600	666300	Int.	dBm (dB)	
10	P12 BPSK	1	1	21.84	21.86	21.94	23.0	0.0	

Part270_n77(HPUE)_Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-on (ms)	dBm (dB)	
Channel									
Frequency (MHz)				3750	3840	3950			
100	P12 BPSK	1	1	22.02	21.99	21.98			
100	P12 BPSK	1	137	22.01	21.99	21.98	23.0	0.0	
100	P12 BPSK	1	271	22.00	21.98	21.95			
100	P12 BPSK	135	0	21.98	21.95	21.94	23.0	0.0	
100	P12 BPSK	135	69	22.00	21.94	21.95	23.0	0.0	
100	P12 BPSK	135	135	21.79	21.82	21.82	23.0	0.0	
100	P12 BPSK	270	0	21.82	21.82	21.86			
100	QPSK	1	1	21.87	21.89	21.79			
100	QPSK	1	137	21.85	21.88	21.90	23.0	0.0	
100	QPSK	1	271	22.01	21.99	21.95			
100	QPSK	135	0	21.77	21.79	21.82			
100	QPSK	135	69	21.85	21.84	21.87	23.0	0.0	
100	QPSK	135	135	21.79	21.73	21.83			
100	QPSK	270	0	21.77	21.83	21.87	23.0	0.0	
100	16QAM	1	1	21.95	22.00	21.82	23.0	0.0	
100	16QAM	1	1	21.84	21.98	21.91	23.0	0.0	
100	256QAM	1	1	21.80	21.72	21.74	23.0	0.0	
Channel									
Frequency (MHz)				3745.02	3840	3954.98	Int.	dBm (dB)	
50	P12 BPSK	1	1	21.84	21.76	21.98	23.0	0.0	
Channel									
Frequency (MHz)				3742.11	3840	3959.89	Int.	dBm (dB)	
80	P12 BPSK	1	1	21.85	21.81	21.87	23.0	0.0	
Channel									
Frequency (MHz)				3735	3840	3945	Int.	dBm (dB)	
70	P12 BPSK	1	1	21.85	21.89	21.88	23.0	0.0	
Channel									
Frequency (MHz)				3730.02	3840	3945.98	Int.	dBm (dB)	
80	P12 BPSK	1	1	21.82	21.82	21.84	23.0	0.0	
Channel									
Frequency (MHz)				6659.04	66600	66600	Int.	dBm (dB)	
80	P12 BPSK	1	1	21.82	21.84	21.84	23.0	0.0	
Channel									
Frequency (MHz)				6659.04	66600	66600	Int.	dBm (dB)	
80	P12 BPSK	1	1	21.84	21.85	21.85	23.0	0.0	
Channel									
Frequency (MHz)				6659.04	66600	66600	Int.	dBm (dB)	
40	P12 BPSK	1	1	21.82	21.87	21.89	23.0	0.0	
Channel									
Frequency (MHz)				667698	66600	666332	Int.	dBm (dB)	
30	P12 BPSK	1	1	21.84	21.79	21.98	23.0	0.0	
Channel									
Frequency (MHz)				667334	66600	666666	Int.	dBm (dB)	
20	P12 BPSK	1	1	21.82	21.82	21.85	23.0	0.0	
Channel									
Frequency (MHz)				667168	66600	666532	Int.	dBm (dB)	
15	P12 BPSK	1	1	21.83	21.99	21.98	23.0	0.0	
Channel									
Frequency (MHz)				667000	66600	666300	Int.	dBm (dB)	
10	P12 BPSK	1	1	21.84	21.86	21.94	23.0	0.0	

Part270_n78_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-on (ms)	dBm (dB)	
Channel									
Frequency (MHz)				3750					
100	P12 BPSK	1	1	22.02	21.99	21.98			
100	P12 BPSK	1	137	22.01	21.99	21.98	26.0	0.0	
100	P12 BPSK	1	271	22.00	21.98	21.95			
100	P12 BPSK	135	0	21.98	21.95	21.94	26.0	0.0	
100	P12 BPSK	135	69	22.00	21.94	21.95	26.0	0.0	
100	P12 BPSK	135	135	21.47	21.82	21.82	26.0	0.0	
100	P12 BPSK	270	0	21.82	21.82	21.86			
100	QPSK	1	1	21.87	21.89	21.79			
100	QPSK	1	137	21.85	21.88	21.90	26.0	0.0	
100	QPSK	1	271	22.01	21.99	21.95			
100	QPSK	135	0	21.87	21.89	21.82			
100	QPSK	135	69	21.85	21.84	21.87	26.0	0.0	
100	QPSK	135	135	21.47	21.82	21.82	26.0	0.0	
100	QPSK	270	0	21.87	21.89	21.82	26.0	0.0	
100	16QAM	1	1	21.91	22.00	21.82	26.0	0.0	
100	16QAM	1	1	21.87	21.99	21.91	26.0	0.0	
100	256QAM	1	1	21.86	21.78	21.80	26.0	0.0	
Channel									
Frequency (MHz)				3745.02	3750	3754.98	Int.	dBm (dB)	
50	P12 BPSK	1	1	21.77	21.76	21.78	26.0	0.0	
Channel									
Frequency (MHz)				3742.11	3750	3759.89	Int.	dBm (dB)	
80	P12 BPSK	1	1	21.74	21.73	21.81	26.0	0.0	
Channel									
Frequency (MHz)				3735	3750	3765	Int.	dBm (dB)	
70	P12 BPSK	1	1	21.76	21.73	21.80	26.0	0.0	
Channel									
Frequency (MHz)				3728	3750	3772	Int.	dBm (dB)	
60	P12 BPSK	1	1	21.72	21.70	21.78	26.0	0.0	
Channel									
Frequency (MHz)				3721.11	3750	3778.89	Int.	dBm (dB)	
50	P12 BPSK	1	1	21.69	21.68	21.76	26.0	0.0	
Channel									
Frequency (MHz)				3714.22	3750	3785.78	Int.	dBm (dB)	
40	P12 BPSK	1	1	21.64	21.63	21.70	26.0	0.0	
Channel									
Frequency (MHz)				3707.33	3750	3792.67	Int.	dBm (dB)	
30	P12 BPSK	1	1	21.60	21.59	21.66	26.0	0.0	
Channel									
Frequency (MHz)				3700.44	3750	3799.56	Int.	dBm (dB)	
20	P12 BPSK	1	1	21.55	21.54	21.61	26.0	0.0	
Channel									
Frequency (MHz)				3693.55	3750	3806.45	Int.	dBm (dB)	
15	P12 BPSK	1	1	21.51	21.49	21.56	26.0	0.0	
Channel									
Frequency (MHz)				3686.66	3750	3813.34	Int.	dBm (dB)	
10	P12 BPSK	1	1	21.46	21.45	21.52	26.0	0.0	



Part270_n78_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup time (ms)	MPE (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	22.81	22.84	22.86	24.0	0.0	
100	P12 BPSK	1	137	22.80	22.83	22.85	24.0	0.0	
100	P12 BPSK	1	271	22.85	22.88	22.90	24.0	0.0	
100	P12 BPSK	135	0	22.86	22.89	22.91	24.0	0.0	
100	P12 BPSK	135	66	22.85	22.88	22.90	24.0	0.0	
100	P12 BPSK	135	138	22.82	22.85	22.87	24.0	0.0	
100	P12 BPSK	202	0	22.86	22.89	22.91	24.0	0.0	
100	QPSK	1	1	22.80	22.83	22.85	24.0	0.0	
100	QPSK	1	137	22.82	22.85	22.87	24.0	0.0	
100	QPSK	1	271	22.85	22.88	22.90	24.0	0.0	
100	QPSK	135	0	22.84	22.87	22.89	24.0	0.0	
100	QPSK	135	66	22.79	22.82	22.84	24.0	0.0	
100	QPSK	135	138	22.81	22.84	22.86	24.0	0.0	
100	QPSK	202	0	22.71	22.74	22.76	24.0	0.0	
100	16QAM	1	1	22.80	22.83	22.85	24.0	0.0	
100	16QAM	1	1	22.77	22.80	22.82	24.0	0.0	
100	256QAM	1	1	21.89	21.92	21.94	23.0	1.0	
Channel									
Frequency (MHz)									
50	P12 BPSK	1	1	22.83	22.84	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
80	P12 BPSK	1	1	22.81	22.80	22.87	24.0	0.0	
Channel									
Frequency (MHz)									
70	P12 BPSK	1	1	22.83	22.84	22.88	24.0	0.0	
Channel									
Frequency (MHz)									
60	P12 BPSK	1	1	22.82	22.83	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
50	P12 BPSK	1	1	22.83	22.84	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	22.83	22.83	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
30	P12 BPSK	1	1	22.86	22.87	22.76	24.0	0.0	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	22.89	22.78	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
15	P12 BPSK	1	1	22.85	22.79	22.88	24.0	0.0	
Channel									
Frequency (MHz)									
10	P12 BPSK	1	1	22.84	22.81	22.71	24.0	0.0	

Part270_n78(HPUe)_Ant 8									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-on (ms)	MPE (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	22.81	22.81	22.81	24.0	0.0	
100	P12 BPSK	1	137	22.80	22.80	22.80	24.0	0.0	
100	P12 BPSK	1	271	22.85	22.85	22.85	24.0	0.0	
100	P12 BPSK	135	0	22.86	22.86	22.86	24.0	0.0	
100	P12 BPSK	135	66	22.85	22.85	22.85	24.0	0.0	
100	P12 BPSK	135	138	22.82	22.82	22.82	24.0	0.0	
100	P12 BPSK	202	0	22.86	22.86	22.86	24.0	0.0	
100	QPSK	1	1	22.80	22.80	22.80	24.0	0.0	
100	QPSK	1	137	22.82	22.82	22.82	24.0	0.0	
100	QPSK	1	271	22.85	22.85	22.85	24.0	0.0	
100	QPSK	135	0	22.84	22.84	22.84	24.0	0.0	
100	QPSK	135	66	22.79	22.79	22.79	24.0	0.0	
100	QPSK	135	138	22.81	22.81	22.81	24.0	0.0	
100	QPSK	202	0	22.71	22.71	22.71	24.0	0.0	
100	16QAM	1	1	22.80	22.80	22.80	24.0	0.0	
100	16QAM	1	1	22.77	22.77	22.77	24.0	0.0	
100	256QAM	1	1	21.89	21.89	21.89	23.0	1.0	
Channel									
Frequency (MHz)									
50	P12 BPSK	1	1	22.83	22.84	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
80	P12 BPSK	1	1	22.81	22.80	22.87	24.0	0.0	
Channel									
Frequency (MHz)									
70	P12 BPSK	1	1	22.83	22.84	22.88	24.0	0.0	
Channel									
Frequency (MHz)									
60	P12 BPSK	1	1	22.82	22.83	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
50	P12 BPSK	1	1	22.83	22.84	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	22.83	22.83	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
30	P12 BPSK	1	1	22.86	22.87	22.76	24.0	0.0	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	22.89	22.78	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
15	P12 BPSK	1	1	22.85	22.79	22.88	24.0	0.0	
Channel									
Frequency (MHz)									
10	P12 BPSK	1	1	22.84	22.81	22.71	24.0	0.0	

Part270_n78_Ant 9									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up (ms)	MPE (dB)	
Channel									
Frequency (MHz)									
100	P12 BPSK	1	1	14.80	14.80	14.80	16.0	0.0	
100	P12 BPSK	1	137	14.87	14.87	14.87	16.0	0.0	
100	P12 BPSK	1	271	14.95	14.95	14.95	16.0	0.0	
100	P12 BPSK	135	0	14.96	14.96	14.96	16.0	0.0	
100	P12 BPSK	135	66	14.95	14.95	14.95	16.0	0.0	
100	P12 BPSK	135	138	14.88	14.88	14.88	16.0	0.0	
100	QPSK	1	1	14.85	14.85	14.85	16.0	0.0	
100	QPSK	1	137	14.91	14.91	14.91	16.0	0.0	
100	QPSK	1	271	14.92	14.92	14.92	16.0	0.0	
100	QPSK	135	0	14.90	14.90	14.90	16.0	0.0	
100	QPSK	135	66	14.87	14.87	14.87	16.0	0.0	
100	QPSK	135	138	14.85	14.85	14.85	16.0	0.0	
100	QPSK	202	0	14.90	14.90	14.90	16.0	0.0	
100	16QAM	1	1	14.85	14.85	14.85	16.0	0.0	
100	256QAM	1	1	14.85	14.85	14.85	16.0	0.0	
Channel									
Frequency (MHz)									
50	P12 BPSK	1	1	14.74	14.73	14.96	16.0	0.0	
Channel									
Frequency (MHz)									
80	P12 BPSK	1	1	14.75	14.73	14.87	16.0	0.0	
Channel									
Frequency (MHz)									
70	P12 BPSK	1	1	14.82	14.75	14.85	16.0	0.0	
Channel									
Frequency (MHz)									
60	P12 BPSK	1	1	14.80	14.80	14.82	16.0	0.0	
Channel									
Frequency (MHz)									
50	P12 BPSK	1	1	14.80	14.80	14.80	16.0	0.0	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	14.78	14.74	14.83	16.0	0.0	
Channel									
Frequency (MHz)									
30	P12 BPSK	1	1	14.87	14.84	14.91	16.0	0.0	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	14.91	14.85	14.93	16.0	0.0	
Channel									
Frequency (MHz)									
15	P12 BPSK	1	1	14.92	14.85	14.90	16.0	0.0	
Channel									
Frequency (MHz)									
10	P12 BPSK	1	1	14.90	14.86	14.88	16.0	0.0	
Channel									
Frequency (MHz)									

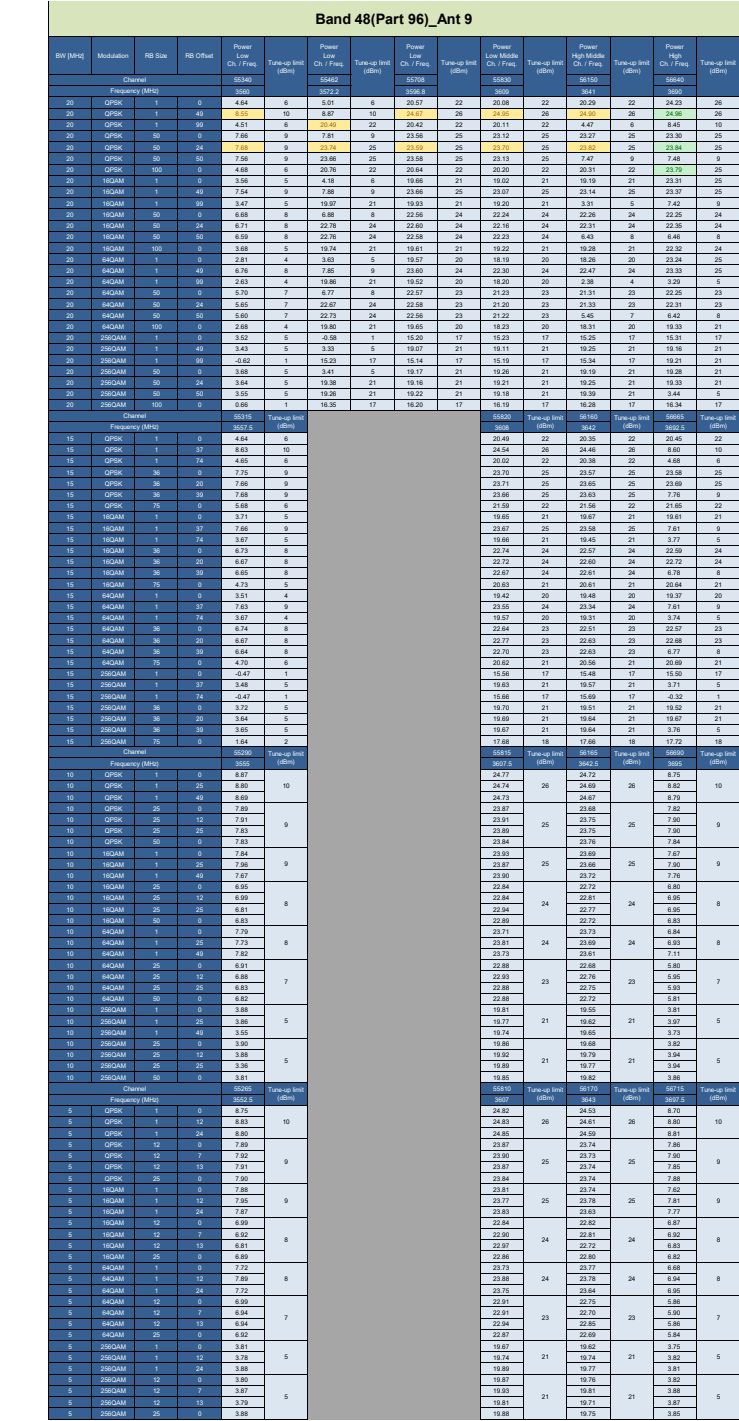
Part270_n78_Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up (ms)	MPE (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	22.00					
100	P12-BPSK	1	137	21.98			23.0	0.0	
100	P12-BPSK	1	271	21.83					
100	P12-BPSK	155	0	21.82			23.0	0.0	
100	P12-BPSK	155	89	21.80			23.0	0.0	
100	P12-BPSK	155	158	21.81			23.0	0.0	
100	P12-BPSK	200	0	21.84					
100	QPSK	1	1	21.58					
100	QPSK	1	137	21.62			23.0	0.0	
100	QPSK	1	271	21.58					
100	QPSK	155	0	21.58					
100	QPSK	155	89	21.67			23.0	0.0	
100	QPSK	155	158	21.55					
100	QPSK	270	0	21.79			23.0	0.0	
100	16QAM	1	1	21.85			23.0	0.0	
100	256QAM	1	1	21.90			23.0	0.0	
Channel									
Frequency (MHz)									
50	P12-BPSK	1	1	3745.00	3750	3754.98	(ms)	(dB)	
Channel									
Frequency (MHz)									
80	P12-BPSK	1	1	21.74	21.84	21.97	23.0	0.0	
Channel									
Frequency (MHz)									
70	P12-BPSK	1	1	21.87	21.82	21.94	23.0	0.0	
Channel									
Frequency (MHz)									
60	P12-BPSK	1	1	21.87	21.82	21.98	23.0	0.0	
Channel									
Frequency (MHz)									
50	P12-BPSK	1	1	21.74	21.84	21.97	23.0	0.0	
Channel									
Frequency (MHz)									
40	P12-BPSK	1	1	21.76	21.89	21.98	23.0	0.0	
Channel									
Frequency (MHz)									
30	P12-BPSK	1	1	21.73	21.95	21.90	23.0	0.0	
Channel									
Frequency (MHz)									
20	P12-BPSK	1	1	21.65	21.76	21.89	23.0	0.0	
Channel									
Frequency (MHz)									
10	P12-BPSK	1	1	21.83	21.58	21.90	23.0	0.0	
Channel									
Frequency (MHz)									
10	P12-BPSK	1	1	21.94	21.79	21.90	23.0	0.0	

Part270_n78(HPUE)_Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-on (ms)	MPE (dB)	
Channel									
Frequency (MHz)									
100	P12-BPSK	1	1	22.00					
100	P12-BPSK	1	137	21.98			23.0	0.0	
100	P12-BPSK	1	271	21.83					
100	P12-BPSK	155	0	21.82			23.0	0.0	
100	P12-BPSK	155	89	21.80			23.0	0.0	
100	P12-BPSK	155	158	21.81			23.0	0.0	
100	P12-BPSK	200	0	21.84					
100	QPSK	1	1	21.58					
100	QPSK	1	137	21.62			23.0	0.0	
100	QPSK	1	271	21.58					
100	QPSK	155	0	21.58					
100	QPSK	155	89	21.67			23.0	0.0	
100	QPSK	155	158	21.55					
100	QPSK	200	0	21.79			23.0	0.0	
100	16QAM	1	1	21.85			23.0	0.0	
100	16QAM	1	1	21.55			23.0	0.0	
100	256QAM	1	1	21.90			23.0	0.0	
Channel									
Frequency (MHz)									
50	P12-BPSK	1	1	3745.00	3750	3754.98	(ms)	(dB)	
Channel									
Frequency (MHz)									
80	P12-BPSK	1	1	21.74	21.84	21.97	23.0	0.0	
Channel									
Frequency (MHz)									
70	P12-BPSK	1	1	21.87	21.82	21.94	23.0	0.0	
Channel									
Frequency (MHz)									
60	P12-BPSK	1	1	21.87	21.82	21.98	23.0	0.0	
Channel									
Frequency (MHz)									
50	P12-BPSK	1	1	21.74	21.84	21.97	23.0	0.0	
Channel									
Frequency (MHz)									
40	P12-BPSK	1	1	21.76	21.89	21.98	23.0	0.0	
Channel									
Frequency (MHz)									
30	P12-BPSK	1	1	21.73	21.95	21.90	23.0	0.0	
Channel									
Frequency (MHz)									
20	P12-BPSK	1	1	21.65	21.76	21.89	23.0	0.0	
Channel									
Frequency (MHz)									
15	P12-BPSK	1	1	21.83	21.58	21.90	23.0	0.0	
Channel									
Frequency (MHz)									
10	P12-BPSK	1	1	21.94	21.79	21.90	23.0	0.0	



Full Power/Default Power

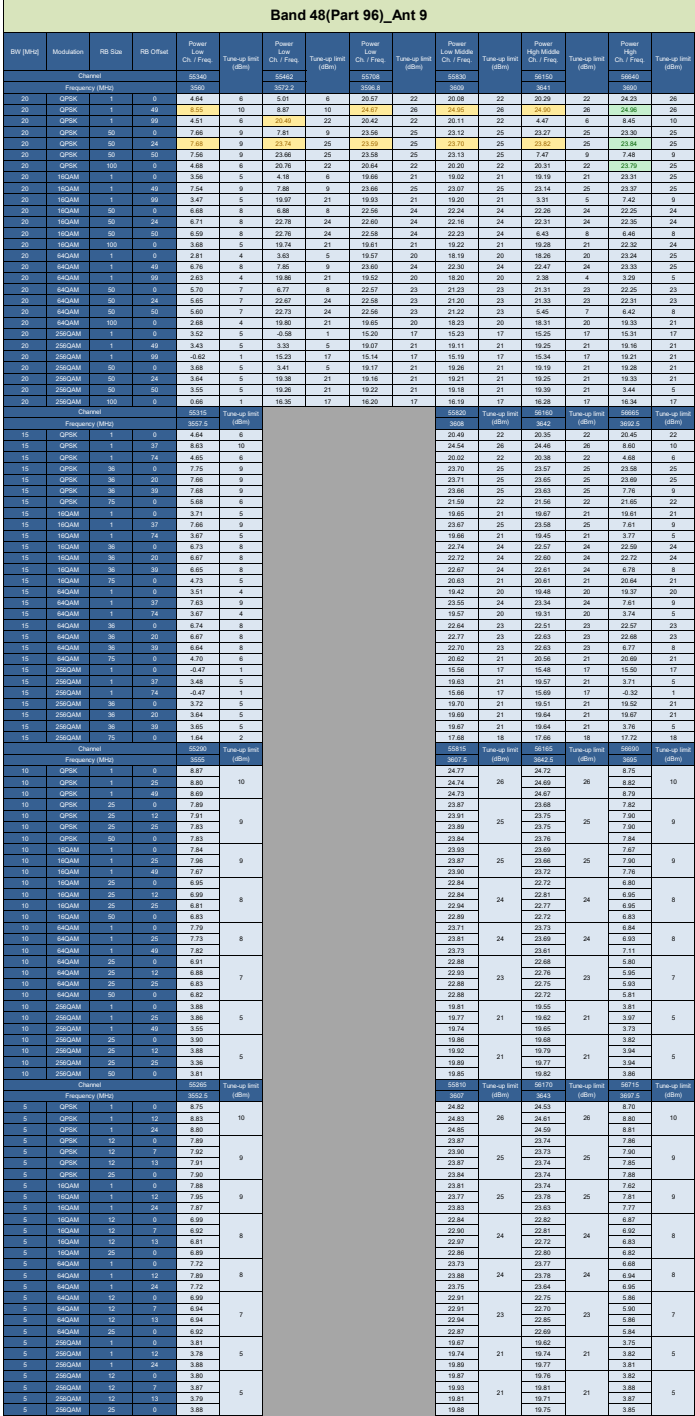
Band 48(Part 96)_Ant 7												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Low Ch. 1 (dBm)	Power Low Ch. 2 (W)	Power Low Ch. 2 (dBm)	Power Low Ch. 3 (W)	Power Low Ch. 3 (dBm)	Power Low Ch. 4 (W)	Power Low Ch. 4 (dBm)	Power Low Ch. 5 (W)
Channel												
Frequency (MHz)												
20	QPSK	1	0	4.84	6	5.81	6	20.97	22	20.98	22	24.23
20	QPSK	1	40	4.55	6	5.81	6	20.97	22	20.98	22	24.23
20	QPSK	1	80	4.51	6	5.81	6	20.97	22	20.98	22	24.23
20	QPSK	50	0	7.66	9	7.81	9	23.56	25	23.12	25	23.30
20	QPSK	50	24	7.68	9	7.81	9	23.56	25	23.12	25	23.30
20	QPSK	50	50	7.66	9	7.81	9	23.56	25	23.12	25	23.30
20	NSQAM	1	0	3.98	5	4.18	5	19.06	21	19.02	21	23.31
20	NSQAM	1	40	3.98	5	4.18	5	19.06	21	19.02	21	23.31
20	NSQAM	1	80	3.47	5	3.98	5	19.06	21	19.02	21	23.31
20	NSQAM	50	0	6.88	8	6.88	8	22.56	24	22.24	24	22.25
20	NSQAM	50	24	6.71	8	6.88	8	22.56	24	22.24	24	22.25
20	NSQAM	50	50	6.59	8	6.88	8	22.56	24	22.24	24	22.25
20	NSQAM	100	0	3.68	5	3.98	5	19.06	21	19.02	21	23.31
20	NSQAM	1	0	2.81	4	3.63	5	19.07	21	19.06	21	23.31
20	NSQAM	1	40	6.76	8	7.85	9	23.60	24	22.47	24	23.31
20	NSQAM	1	80	2.63	4	3.68	5	19.06	21	19.02	21	23.31
20	NSQAM	50	0	5.70	7	6.77	8	22.57	24	22.23	24	22.25
20	NSQAM	50	24	5.65	7	6.77	8	22.58	24	22.23	24	22.25
20	NSQAM	50	50	5.68	7	6.77	8	22.58	24	22.23	24	22.25
20	NSQAM	100	0	2.68	4	3.68	5	19.06	21	19.02	21	23.31
20	NSQAM	1	0	3.52	5	3.68	5	19.06	21	19.02	21	23.31
20	NSQAM	1	40	3.43	5	3.53	5	19.07	21	19.11	21	23.31
20	NSQAM	1	80	-0.82	1	15.23	17	15.14	17	15.19	17	15.21
20	NSQAM	50	0	3.68	5	3.68	5	19.06	21	19.06	21	19.06
20	NSQAM	50	24	3.44	5	3.68	5	19.06	21	19.21	21	19.33
20	NSQAM	50	50	3.55	5	3.68	5	19.06	21	19.21	21	19.33
20	NSQAM	100	0	1.68	3	16.30	17	16.20	17	16.26	17	16.24
Channel												
Frequency (MHz)												
15	QPSK	1	0	4.84	6	5.81	6	20.97	22	20.98	22	24.23
15	QPSK	1	37	4.83	6	5.83	6	20.94	22	20.46	22	24.23
15	QPSK	1	74	4.65	6	5.83	6	20.92	22	20.38	22	24.23
15	QPSK	36	0	7.75	9	7.75	9	23.70	25	23.67	25	23.68
15	QPSK	36	36	7.66	9	7.75	9	23.71	25	23.65	25	23.69
15	QPSK	36	72	7.68	9	7.75	9	23.68	25	23.63	25	23.68
15	QPSK	75	0	5.68	8	5.68	8	21.59	22	21.58	22	21.65
15	NSQAM	1	0	3.71	5	3.71	5	19.06	21	19.06	21	19.06
15	NSQAM	1	37	7.06	9	7.06	9	23.67	25	23.58	25	23.61
15	NSQAM	1	74	3.67	5	3.67	5	19.66	21	19.45	21	19.71
15	NSQAM	36	0	6.75	8	6.75	8	22.74	24	22.57	24	22.59
15	NSQAM	36	36	6.87	8	6.87	8	22.74	24	22.57	24	22.59
15	NSQAM	36	72	6.65	8	6.65	8	22.67	24	22.61	24	22.67
15	NSQAM	75	0	4.73	5	4.73	5	19.63	21	19.61	21	19.64
15	NSQAM	1	0	3.64	5	3.64	5	19.63	21	19.61	21	19.64
15	NSQAM	1	37	7.63	9	7.63	9	23.65	24	23.34	24	23.61
15	NSQAM	1	74	3.67	4	3.67	4	19.67	20	19.31	20	19.74
15	NSQAM	36	0	6.80	8	6.80	8	22.74	24	22.57	24	22.59
15	NSQAM	36	36	6.87	8	6.87	8	22.73	24	22.63	24	22.68
15	NSQAM	36	72	6.64	8	6.64	8	22.70	24	22.63	24	22.70
15	NSQAM	75	0	4.70	5	4.70	5	19.62	21	19.58	21	19.60
15	NSQAM	1	0	-0.47	1	15.68	17	15.68	17	15.68	17	15.68
15	NSQAM	1	37	9.48	5	19.63	21	19.67	21	19.67	21	19.67
15	NSQAM	1	74	-0.47	1	15.68	17	15.68	17	15.68	17	15.68
15	NSQAM	36	0	3.72	5	3.72	5	19.70	21	19.62	21	19.62
15	NSQAM	36	36	3.64	5	3.64	5	19.69	21	19.64	21	19.67
15	NSQAM	36	72	3.65	5	3.65	5	19.67	21	19.64	21	19.67
15	NSQAM	75	0	1.68	3	16.30	17	16.20	17	16.26	17	16.24
Channel												
Frequency (MHz)												
10	QPSK	1	0	8.87	10	8.87	10	24.77	26	24.72	26	24.83
10	QPSK	1	13	8.87	10	8.87	10	24.77	26	24.74	26	24.83
10	QPSK	1	40	8.69	10	8.69	10	24.73	26	24.67	26	24.73
10	QPSK	25	0	7.89	9	7.89	9	23.87	25	23.88	25	23.87
10	QPSK	25	13	7.81	9	7.81	9	23.81	25	23.75	25	23.81
10	QPSK	25	25	7.83	9	7.83	9	23.79	25	23.75	25	23.79
10	QPSK	50	0	7.63	9	7.63	9	23.84	25	23.78	25	23.84
10	NSQAM	1	0	6.91	8	6.91	8	22.82	24	22.75	24	22.82
10	NSQAM	1	25	7.06	9	7.06	9	23.87	25	23.68	25	23.87
10	NSQAM	1	40	7.67	9	7.67	9	23.90	25	23.79	25	23.90
10	NSQAM	25	0	6.94	8	6.94	8	22.84	24	22.72	24	22.84
10	NSQAM	25	13	6.99	8	6.99	8	22.84	24	22.81	24	22.84
10	NSQAM	25	25	6.81	8	6.81	8	22.74	24	22.77	24	22.74
10	NSQAM	50	0	6.83	8	6.83	8	22.89	24	22.72	24	22.89
10	NSQAM	1	0	7.79	9	7.79	9	23.73	25	23.71	25	23.73
10	NSQAM	1	25	7.73	8	7.73	8	23.81	24	23.79	24	23.81
10	NSQAM	1	40	7.62	8	7.62	8	23.73	25	23.81	25	23.73
10	NSQAM	25	0	6.95	8	6.95	8	22.84	24	22.72	24	22.84
10	NSQAM	25	13	6.98	8	6.98	8	22.84	24	22.76	24	22.84
10	NSQAM	25	25	6.83	7	6.83	7	22.88	23	22.75	23	22.88
10	NSQAM	50	0	6.82	8	6.82	8	22.88	24	22.72	24	22.88
10	NSQAM	50	13	6.88	8	6.88	8	22.88	24	22.76	24	22.88
10	NSQAM	50	25	6.86	8	6.86	8	22.88	24	22.72	24	22.88
10	NSQAM	1	25	7.86	9	7.86	9	23.87	25	23.86	25	23.87
10	NSQAM	1	40	3.55	5	3.55	5	19.74	21	19.65	21	19.74
10	NSQAM	25	0	3.80	5	3.80	5	19.86	21	19.86	21	19.86
10	NSQAM	25	13	3.88	5	3.88	5	19.92	21	19.79	21	19.92
10	NSQAM	25	25	3.36	5	3.36	5	19.89	21	19.77	21	19.89
10	NSQAM	50	0	3.31	5	3.31	5	19.85	21	19.73	21	19.85
Channel												
Frequency (MHz)												
5	QPSK	1	0	8.75	10	8.75	10	24.83	26	24.83	26	24.83
5	QPSK	1	12	8.83	10	8.83	10	24.83	26	24.81	26	24.83
5	QPSK	1	24	8.80	10	8.80	10	24.85	26	24.80	26	24.85
5	QPSK	12	0	7.89	9	7.89	9	23.87	25	23.74	25	23.87
5	QPSK	12	7	7.82	9	7.82	9	23.80	25	23.73	25	23.80
5	QPSK	12	13	7.81	9	7.81	9	23.74	25	23.74	25	23.74
5	QPSK	25	0	7.90	9	7.90	9	23.84	25	23.74	25	23.84
5	NSQAM	1	0	7.88	9	7.88	9	23.81	24	23.74	24	23.81
5	NSQAM	1	12	7.95	9	7.95	9	23.77	25	23.78	25	23.77
5	NSQAM	1	24	7.67	8	7.67	8	23.83	24	23.63	24	23.87
5	NSQAM	12	0	6.98	8	6.98	8	22.84	24	22.82	24	22.84
5	NSQAM	12	7	6.92	8	6.92	8	22.80	24	22.81	24	22.80
5	NSQAM	12	13	6.81	8	6.81	8	22.87	24	22.72	24	22.87
5	NSQAM	25	0	6.89	8	6.89	8	22.86	24	22.80	24	22.86
5	NSQAM	25	7	7.12	8	7.12	8	23.73	25	23.77	25	23.73
5	NSQAM	1	12	7.89	8	7.89	8	23.88	24	23.78	24	23.88
5	NSQAM	1	24	7.72	8	7.72	8	23.75	24	23.64	24	23.75
5	NSQAM	12	0	6.96	8	6.96	8	22.81	24	22.75	24	22.81
5	NSQAM	12	7	6.94	7	6.94	7	22.91	23	22.70	23	22.91
5	NSQAM	12	13	6.84	7	6.84	7	22.91	23	22.70	23	22.91
5	NSQAM	25	0	6.92	8	6.92	8	22.87	24	22.69	24	22.87
5	NSQAM	25	7	6.91	7	6.91	7	22.87	24	22.69	24	22.87
5	NSQAM	25	13	6.86	8	6.86	8	22.87	24	22.69	24	22.87
5	NSQAM	25	25	6.80	7	6.80	7	22.87	23	22.69	23	22.87
5	NSQAM	50	0	6.82	8	6.82	8	22.87	24	22.69	24	22.87
5	NSQAM	50	13	6.78	8	6.78	8	22.87	24	22.69	24	22.87
5	NSQAM	50	25	6.76	8	6.76	8	22.87	24	22.69	24	22.87
5	NSQAM	100	0	3.78	5</							



Band 48(Part 96)_Ant 10															
SW (MHz)	Modulation	RBI Rise	RBI Offset	Power Low Ch. (Freq)	Time-up (ms) (dBm)	Power Low Ch. (Freq)	Time-up (ms) (dBm)	Power Low Ch. (Freq)	Time-up (ms) (dBm)	Power Low Ch. (Freq)	Time-up (ms) (dBm)	Power High Ch. (Freq)	Time-up (ms) (dBm)	Power High Ch. (Freq)	Time-up (ms) (dBm)
Channel				5000	3572.2	5000.8	3600	5000	3600.8	5000	3600.8	5000	3600.8	5000	3600.8
20	QPSK	1	0	4.64	8	5.01	6	20.57	22	20.58	22	20.29	22	24.23	26
20	QPSK	1	49	4.51	8	8.87	10	20.17	26	20.20	26	20.10	26	24.26	26
20	QPSK	1	99	4.51	8	20.10	22	20.43	22	20.11	22	24.47	8	8.45	10
20	QPSK	50	0	7.66	9	7.81	9	23.86	25	23.70	25	23.27	25	23.20	25
20	QPSK	50	24	7.68	9	23.14	25	23.55	25	23.12	25	23.50	26	23.24	26
20	QPSK	50	48	7.68	9	23.86	25	23.86	25	23.83	26	23.47	8	7.48	8
20	QPSK	500	0	4.68	6	20.76	22	20.84	22	20.20	22	20.20	22	23.79	26
20	16QAM	1	0	3.56	5	4.18	6	19.66	21	19.62	21	19.19	21	23.31	25
20	16QAM	1	49	3.74	5	7.88	5	23.86	26	23.87	26	23.14	26	23.37	26
20	16QAM	1	99	3.47	5	19.57	21	19.89	21	20.24	24	24.48	8	8.45	10
20	16QAM	50	0	6.68	8	6.86	8	22.56	24	22.34	24	22.26	24	22.25	24
20	16QAM	50	24	6.71	8	22.78	24	22.85	24	22.24	24	22.31	24	22.35	24
20	16QAM	50	48	6.68	8	22.76	24	22.58	24	22.32	24	22.34	24	22.34	24
20	16QAM	500	0	3.68	5	19.74	21	19.81	21	20.22	21	20.22	21	22.32	24
20	64QAM	1	0	2.81	4	3.83	5	19.67	20	19.19	20	18.26	20	23.24	25
20	64QAM	1	49	6.76	8	7.86	9	23.86	24	22.30	24	22.47	24	23.33	26
20	64QAM	1	99	2.63	4	19.86	21	19.82	20	19.82	20	23.38	24	23.34	24
20	64QAM	50	0	5.70	7	6.77	8	22.67	23	21.23	23	21.31	23	22.25	23
20	64QAM	50	24	5.65	7	22.67	24	22.68	23	21.23	23	21.31	23	22.31	23
20	64QAM	50	48	5.65	7	22.75	24	22.56	23	21.23	23	21.46	7	6.45	8
20	64QAM	500	0	2.68	4	19.80	21	19.65	20	18.23	20	18.31	20	19.33	21
20	256QAM	1	0	3.52	5	4.58	1	15.20	17	15.23	17	15.25	17	15.31	17
20	256QAM	1	49	3.43	5	3.33	5	19.67	21	19.11	21	19.25	21	19.16	21
20	256QAM	1	99	3.62	1	15.23	17	15.14	17	15.15	17	15.14	17	19.21	21
20	256QAM	50	0	3.68	5	3.41	6	19.17	21	19.26	21	19.19	21	19.28	21
20	256QAM	50	24	3.64	5	19.38	21	19.16	21	19.21	21	19.25	21	19.33	21
20	256QAM	50	48	3.55	5	19.36	21	19.22	21	19.16	21	19.21	21	19.33	21
20	256QAM	500	0	0.66	1	16.35	17	16.20	17	16.19	17	16.28	17	16.34	17
Channel				56316	Time-up (ms)	56316	Time-up (ms)	56316	Time-up (ms)	56316	Time-up (ms)	56316	Time-up (ms)	56316	Time-up (ms)
Channel				56316	Time-up (ms)	56316	Time-up (ms)	56316	Time-up (ms)	56316	Time-up (ms)	56316	Time-up (ms)	56316	Time-up (ms)
15	QPSK	1	0	4.64	6	5.01	6	20.57	20	20.58	20	20.29	20	24.23	26
15	QPSK	1	37	8.63	10	8.63	10	24.54	26	24.46	26	8.60	10	8.60	10
15	QPSK	1	74	4.64	6	20.57	22	20.58	22	20.58	22	20.29	22	24.23	26
15	QPSK	1	75	7.75	9	7.75	9	23.76	25	23.67	25	23.27	25	23.20	25
15	QPSK	36	20	7.66	9	23.86	25	23.86	25	23.83	26	23.47	8	7.48	8
15	QPSK	36	39	7.68	9	23.14	25	23.55	25	23.12	25	23.50	26	23.24	26
15	QPSK	36	60	7.68	9	23.86	25	23.86	25	23.83	26	23.47	8	7.48	8
15	16QAM	1	0	3.71	5	3.71	5	19.66	21	19.67	21	19.61	21	19.61	21
15	16QAM	1	37	7.66	9	23.87	25	23.87	25	23.88	25	7.61	9	7.61	9
15	16QAM	1	74	3.67	5	19.67	21	19.67	21	19.67	21	19.67	21	19.67	21
15	16QAM	1	75	6.73	8	6.73	8	22.74	24	22.74	24	22.59	24	22.59	24
15	16QAM	36	20	6.67	8	6.67	8	22.72	24	22.80	24	22.72	24	22.72	24
15	16QAM	36	39	6.65	8	6.65	8	22.67	24	22.61	24	6.76	8	6.76	8
15	16QAM	36	60	6.73	8	6.73	8	22.74	24	22.74	24	22.59	24	22.59	24
15	16QAM	1	0	3.51	4	3.51	4	19.46	20	19.46	20	19.37	20	19.37	20
15	16QAM	1	37	7.63	9	7.63	9	23.55	24	23.34	24	7.61	9	7.61	9
15	16QAM	1	74	3.67	4	19.67	21	19.67	21	19.67	21	19.67	21	19.67	21
15	16QAM	1	75	6.74	8	6.74	8	22.74	24	22.74	24	22.59	24	22.59	24
15	16QAM	36	20	6.67	8	6.67	8	22.72	23	22.63	23	22.68	23	22.68	23
15	16QAM	36	39	6.64	8	6.64	8	22.70	23	22.63	23	6.77	8	6.77	8
15	16QAM	36	60	6.73	8	6.73	8	22.74	23	22.63	23	22.69	23	22.69	23
15	256QAM	1	0	4.47	1	15.56	17	15.56	17	15.48	17	15.50	17	15.50	17
15	256QAM	1	37	4.48	5	19.63	21	19.63	21	19.67	21	19.67	21	19.67	21
15	256QAM	1	74	4.47	1	15.56	17	15.56	17	15.48	17	15.50	17	15.50	17
15	256QAM	1	75	3.75	5	19.79	21	19.79	21	19.81	21	19.82	21	19.82	21
15	256QAM	36	20	3.64	5	19.69	21	19.64	21	19.64	21	19.67	21	19.67	21
15	256QAM	36	39	3.65	5	19.67	21	19.64	21	19.64	21	19.67	21	19.67	21
15	256QAM	36	60	3.65	5	19.67	21	19.64	21	19.64	21	19.67	21	19.67	21
15	256QAM	500	0	1.64	2	17.68	18	17.68	18	17.68	18	17.73	18	17.73	18
Channel				56316	Time-up (ms)	56316	Time-up (ms)	56316	Time-up (ms)	56316	Time-up (ms)	56316	Time-up (ms)	56316	Time-up (ms)
Channel				56316	Time-up (ms)	56316	Time-up (ms)	56316	Time-up (ms)	56316	Time-up (ms)	56316	Time-up (ms)	56316	Time-up (ms)
10	QPSK	1	0	4.64	6	5.01	6	20.57	20	20.57	20	20.29	20	24.23	26
10	QPSK	1	17	8.60	10	8.60	10	24.77	26	24.68	26	8.63	10	8.63	10
10	QPSK	1	37	8.60	10	8.60	10	24.74	26	24.68	26	8.62	10	8.62	10
10	QPSK	1	49	8.60	10	8.60	10	24.73	26	24.67	26	8.79	10	8.79	10
10	QPSK	25	0	7.69	9	7.69	9	23.87	25	23.79	25	7.65	9	7.65	9
10	QPSK	25	25	7.83	9	7.83	9	23.89	25	23.75	25	7.70	9	7.70	9
10	QPSK	50	0	7.83	9	7.83	9	23.94	26	23.76	26	7.81	9	7.81	9
10	QPSK	50	24	7.84	9	7.84	9	23.98	26	23.88	26	7.87	9	7.87	9
10	QPSK	50	48	7.86	9	7.86	9	23.97	25	23.88	25	7.80	9	7.80	9
10	16QAM	1	49	7.67	9	7.67	9	23.87	25	23.72	25	7.76	9	7.76	9
10	16QAM	25	0	6.95	8	6.95	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	25	6.96	8	6.96	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	48	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	72	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	96	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	120	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	144	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	168	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	192	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	216	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	240	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	264	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	288	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	312	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	336	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	360	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	384	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	408	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	432	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	456	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	480	6.81	8	6.81	8	22.84	24	22.72	24	6.85	8	6.85	8
10	16QAM	25	504	6.81											



Band 48(Part 96) _Ant 8																
1W (MHz)	Modulation	RBI Size	RBI Offset	Power Low Ch / Freq	Time-up time (dBm)	Power Low Ch / Freq	Time-up time (dBm)	Power Low Ch / Freq	Time-up time (dBm)	Power Low Ch / Freq	Time-up time (dBm)	Power High Ch / Freq	Time-up time (dBm)	Power High Ch / Freq	Time-up time (dBm)	
Channel																
Frequency (MHz)		3600		3672.2		3662		3668.8		3660		3641		3660		
20	QPSK	1	0	4.64	6	5.01	6	20.57	22	20.08	22	20.29	22	24.23	26	
20	QPSK	1	49	4.51	10	5.87	20	24.41	26	20.11	26	24.47	26	24.45	26	
20	QPSK	1	99	4.51	6	7.04	20	20.42	22	20.11	26	24.47	6	8.46	6	
20	QPSK	50	0	7.66	5	7.81	6	23.58	25	23.25	25	23.27	25	23.30	25	
20	QPSK	50	24	7.76	9	23.74	26	23.70	25	23.70	25	23.77	25	23.84	26	
20	QPSK	50	48	7.66	5	23.66	16	23.58	25	23.13	24	7.47	5	7.48	6	
20	QPSK	100	0	4.68	6	30.76	22	20.64	22	20.20	22	20.31	22	20.70	26	
20	16QAM	1	5	3.58	5	4.18	6	19.68	21	19.02	21	19.19	21	23.31	25	
20	16QAM	1	7.56	4	6	7.36	20.68	25	20.68	25	20.41	25	20.32	25	20.32	
20	16QAM	1	59	3.47	5	10.97	21	19.30	21	19.20	21	3.31	5	7.42	6	
20	16QAM	5	0	6.60	8	6.88	8	22.58	24	22.24	24	22.24	24	22.25	24	
20	16QAM	5	24	6.71	8	6	20.76	24	22.68	24	20.16	24	20.16	24	20.16	
20	16QAM	50	0	6.60	8	22.76	24	22.58	24	22.23	24	4.43	8	6.46	8	
20	16QAM	100	0	3.68	5	10.74	21	19.61	21	19.22	21	19.28	21	22.32	24	
20	16QAM	1	0	2.81	4	3.63	5	19.57	20	18.10	20	19.26	20	23.24	26	
20	16QAM	1	4.76	6	7.95	23.60	24	23.60	24	20.30	24	22.47	24	23.34	26	
20	16QAM	1	99	2.63	4	18.86	21	19.52	20	18.20	20	2.38	4	3.26	5	
20	16QAM	50	0	6.70	7	6.77	8	22.57	23	21.23	23	21.31	23	22.25	23	
20	16QAM	50	24	6.68	7	22.67	24	22.58	23	21.30	23	21.33	23	22.34	24	
20	16QAM	50	50	6.66	7	22.73	24	22.56	23	21.22	23	1.43	7	6.42	8	
20	16QAM	100	0	2.68	4	18.80	21	19.65	20	18.23	20	18.31	20	19.33	21	
20	28QAM	1	0	3.52	5	4.58	6	16.20	17	16.20	17	16.20	17	16.31	17	
20	28QAM	1	49	3.43	5	3.33	5	19.07	21	18.11	21	19.25	21	19.16	21	
20	28QAM	1	99	-0.62	1	10.23	17	15.14	17	15.14	17	15.14	17	19.21	21	
20	28QAM	1	24	3.68	5	3.41	5	19.12	21	18.20	21	19.36	21	19.28	21	
20	28QAM	50	0	3.64	5	19.38	21	19.38	21	19.47	21	19.29	21	19.31	21	
20	28QAM	50	50	3.65	5	19.26	21	19.22	21	19.18	21	19.30	21	3.44	5	
20	28QAM	100	0	0.66	1	16.35	17	16.20	17	16.16	17	16.26	17	16.34	17	
Channel																
Frequency (MHz)		3672.2		Time-up time (dBm)		3662		Time-up time (dBm)		3668.8		Time-up time (dBm)		3660		
15	QPSK	1	0	4.64	6	5.01	6	20.57	22	20.08	22	20.29	22	24.23	26	
15	QPSK	1	49	4.51	10	5.87	20	24.41	26	20.11	26	24.47	26	24.45	26	
15	QPSK	1	99	4.51	6	7.04	20	20.42	22	20.11	26	24.47	6	8.46	6	
15	QPSK	1	74	4.60	6	6	20.02	22	20.38	22	20.37	22	4.69	6	6	
15	QPSK	36	0	7.78	5	23.76	25	23.70	25	23.67	25	23.68	25	23.68	26	
15	QPSK	36	24	7.68	9	23.66	26	23.66	25	23.66	25	23.69	25	23.69	26	
15	QPSK	36	48	7.68	9	23.66	25	23.66	25	23.63	25	23.76	25	23.76	26	
15	QPSK	75	0	5.68	6	19.59	21	21.51	22	21.50	22	21.65	22	21.65	26	
15	16QAM	1	0	3.71	5	4.78	6	18.68	21	19.67	21	19.61	21	19.61	21	
15	16QAM	1	7.56	4	7.68	9	23.67	23.67	23.67	25	23.67	25	23.67	25	23.67	
15	16QAM	1	74	3.67	5	18.66	21	19.45	21	19.47	21	3.77	5	6	6	
15	16QAM	36	0	6.73	8	22.74	24	22.57	24	22.57	24	22.59	24	22.59	24	
15	16QAM	36	24	6.63	8	22.72	24	22.72	24	22.72	24	22.72	24	22.72	24	
15	16QAM	36	48	6.63	8	22.67	24	22.67	24	22.61	24	22.61	24	22.61	24	
15	16QAM	75	0	6.80	8	22.87	24	22.81	24	22.81	24	22.81	24	22.81	24	
15	16QAM	36	36	6.80	8	22.87	24	22.81	24	22.81	24	22.81	24	22.81	24	
15	16QAM	75	0	6.470	6	20.62	23	20.62	23	20.63	23	6.77	8	8	8	
15	28QAM	1	-0.47	1	10.58	14.65	17	15.58	14.65	17	15.58	14.65	17	15.58	14.65	
15	28QAM	1	37	3.48	5	18.63	21	19.57	21	19.57	21	3.71	5	6	6	
15	28QAM	1	74	-0.47	1	10.58	14.65	17	15.58	14.65	17	15.58	14.65	17	15.58	14.65
15	28QAM	1	37.5	3.73	5	19.30	21	19.30	21	19.30	21	3.73	5	6	6	
15	28QAM	36	36	3.65	5	18.67	21	19.64	21	19.64	21	3.76	5	6	6	
15	28QAM	75	0	3.64	5	18.67	21	19.64	21	19.64	21	3.76	5	6	6	
Channel																
Frequency (MHz)		3600		Time-up time (dBm)		3672.2		Time-up time (dBm)		3662		Time-up time (dBm)		3660		
10	QPSK	1	0	8.87	10	8.87	10	24.73	26	24.72	26	24.72	26	8.82	10	
10	QPSK	1	49	8.87	10	8.87	10	24.74	26	24.73	26	24.73	26	8.82	10	
10	QPSK	1	49	8.80	10	8.80	10	24.73	26	24.73	26	24.73	26	8.82	10	
10	QPSK	36	0	7.88	9	23.87	25	23.87	25	23.88	25	23.88	25	7.82	9	
10	QPSK	36	24	7.81	9	23.81	25	23.81	25	23.81	25	23.81	25	7.82	9	
10	QPSK	36	48	7.81	9	23.81	25	23.81	25	23.81	25	23.81	25	7.82	9	
10	QPSK	50	25	7.83	9	23.89	25	23.89	25	23.75	25	23.75	25	7.90	9	
10	QPSK	50	0	7.83	5	23.84	24	23.84	24	23.76	24	23.76	24	7.84	5	
10	QPSK	50	24	7.84	5	23.83	24	23.83	24	23.76	24	23.76	24	7.84	5	
10	16QAM	1	25	7.98	9	23.97	25	23.97	25	23.88	25	23.88	25	7.90	9	
10	16QAM	1	46	7.67	9	23.90	25	23.90	25	23.72	25	23.72	25	7.86	9	
10	16QAM	25	15	6.96	8	22.84	24	22.84	24	22.72	24	22.72	24	6.96	8	
10	16QAM	25	0	6.95	8	22.84	24	22.84	24	22.72	24	22.72	24	6.95	8	
10	16QAM	25	25	6.81	8	22.94	24	22.94	24	22.72	24	22.72	24	6.95	8	
10	16QAM	50	0	6.83	8	22.94	24	22.94	24	22.72	24	22.72	24	6.83	8	
10	16QAM	50	1	7.73	9	23.71	25	23.71	25	23.64	25	23.64	25	7.82	9	
10	16QAM	1	25	7.73	8	23.81	24	23.89	24	23.89	24	6.93	8	6.93	8	
10	16QAM	1	46	7.82	9	23.73	25	23.73	25	23.61	25	7.11	9	7.11	9	
10	16QAM	25	6.93	8	22.86	24	22.86	24	22.86	24	22.86	24	6.94	8	6.94	8
10	16QAM	25	12	6.88	7	22.93	25	22.93	25	22.78	25	6.95	7	6.95	7	
10	16QAM	25	25	6.83	7	22.88	25	22.88	25	22.78	25	5.93	7	5.93	7	
10	16QAM	50	0	6.82	8	22.98	24	22.98	24	22.86	24	22.86	24	6.82	8	
10	28QAM	1	0	3.98	5	19.81	21	19.81	21	19.55	21	3.81	5	3.81	5	
10	28QAM	1	25	3.86	5	19.77	21	19.62	21	19.62	21	3.84	5	3.84	5	
10	28QAM	1	49	3.55	5	19.74	21	19.65	21	19.65	21	3.73	5	3.73	5	
10	28QAM	25	0	3.90	5	19.86	21	19.86	21	19.86	21	3.82	5	3.82	5	
10	28QAM	25	12	3.88	5	19.82	21	19.78	21	19.78	21	3.84	5	3.84	5	
10	28QAM	25	25	3.36	5	19.89	21	19.77	21	19.77	21	3.84	5	3.84	5	
10	28QAM	50	0	3.81	5	19.85	21	19.82	21	19.82	21	3.86	5	3.86	5	
Channel																
Frequency (MHz)		3600		Time-up time (dBm)		3672.2		Time-up time (dBm)		3662		Time-up time (dBm)		3660		
5	QPSK	1	0	8.71	10	8.71	10	24.82	26	24.82	26	24.82	26	8.70	10	
5	QPSK	1	12	8.83	10	8.83	10	24.83	26	24.81	26	24.81	26	8.80	10	
5	QPSK	1	24	8.80	10	8.80	10	24.85	26	24.59	26	24.59	26	8.81	10	
5	QPSK	1	7.92	10	7.92	10	23.87	25	23.87	25	23.74	25	7.88	10	7.88	10
5	QPSK	1	7.92	10	7.92	10	23.90	25	23.90	25	23.75	25	7.90	10	7.90	10
5	QPSK	12	13	7.91	9	23.87	25	23.87	25	23.74	25	7.88	9	7.88	9	
5	QPSK	36	0	7.79	9	23.84	24	23.84	24	23.71	24	7.82	9	7.82	9	
5	16QAM	1	24	7.85	9	23.77	25	23.77	25	23.78	25	7.81	9	7.81	9	
5	16QAM	1	24	7.85	9	23.77	25	23.77	25	23.78	25	7.81	9	7.81	9	
5	16QAM	12	7													



Band 48(Part 96)_Ant 10													
SR [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Turn-up time (dBm)	Power Low Ch. Freq.	Turn-up time (dBm)	Power Low Ch. Freq.	Turn-up time (dBm)	Power Low Ch. Freq.	Turn-up time (dBm)	Power Low Ch. Freq.	Turn-up time (dBm)
Channel				56340	3572.2	56662	56708	56830	56910	56940	56960	56980	56990
20	QPSK	1	0	5955	8	5957.2	8	5957	22	20.15	22	20.20	22
10	QPSK	1	49	5954	8	5955	10	5957	20	20.15	22	20.20	22
20	QPSK	1	99	5951	8	5954	22	20.42	22	20.11	22	4.47	8
20	QPSK	50	0	7468	9	7471	9	7456	25	23.12	25	23.27	25
20	QPSK	50	50	7466	9	7471	9	7456	25	23.12	25	23.27	25
20	QPSK	50	50	7456	9	7466	25	23.58	25	23.13	25	7.47	9
20	QPSK	100	0	8488	8	8496	22	20.64	22	20.20	22	20.31	22
20	QPSK	100	50	8486	8	8496	21	20.66	21	20.20	22	20.31	22
20	16QAM	1	49	7549	9	7580	9	7568	25	25.19	25	25.14	25
20	16QAM	1	99	7548	5	19.97	21	19.93	21	19.20	21	3.1	5
20	16QAM	50	10	8488	8	8496	8	8496	24	22.24	24	22.26	24
20	16QAM	50	50	8471	8	25.75	24	22.50	24	22.19	24	22.25	24
20	16QAM	50	50	8459	8	22.76	24	22.58	24	22.23	24	8.6	8
20	16QAM	100	0	9368	5	19.74	21	19.81	21	19.22	21	22.32	24
20	16QAM	100	50	9361	4	3.65	5	19.97	20	19.19	20	23.24	25
20	64QAM	1	49	8776	8	7.86	9	8.60	24	22.47	24	23.33	25
20	64QAM	1	99	8763	4	19.86	21	19.92	20	18.20	20	4	3.29
20	64QAM	50	10	9776	7	6.77	8	8.57	25	23.39	25	23.39	25
20	64QAM	50	50	9765	5	7.22	8	8.57	25	23.39	25	23.39	25
20	64QAM	100	0	10676	6	7.22	8	8.57	25	23.39	25	23.39	25
20	64QAM	100	50	10660	7	22.67	24	22.58	23	21.20	23	23.33	25
20	64QAM	50	50	8460	7	22.73	24	22.58	23	21.23	23	6.46	7
20	64QAM	100	0	9268	4	19.86	21	19.95	20	18.23	20	19.33	21
20	256QAM	1	99	932	5	-6.58	1	1.20	17	15.21	17	15.21	17
20	256QAM	1	49	843	5	3.93	5	10.07	21	19.11	21	19.25	21
20	256QAM	1	99	-0.82	1	15.23	17	15.14	17	15.19	17	15.24	17
20	256QAM	1	49	848	5	3.41	5	10.17	21	19.26	21	19.39	21
20	256QAM	50	24	844	5	19.38	21	19.18	21	19.21	21	19.23	21
20	256QAM	50	50	835	5	19.26	21	19.22	21	19.18	21	19.39	21
20	256QAM	100	0	9366	1	19.35	17	19.20	17	19.10	17	19.39	21
Channel				56118	56118	56118	56118	56118	56118	56118	56118	56118	56118
Frequency [MHz]				56118	Turn-up time (dBm)	56118	Turn-up time (dBm)	56118	Turn-up time (dBm)	56118	Turn-up time (dBm)	56118	Turn-up time (dBm)
15	QPSK	1	0	2649	21	2649	21	2649	21	2649	21	2649	21
15	QPSK	1	49	863	10	2644	26	2644	26	2648	26	8.60	10
15	QPSK	1	74	445	6	25.02	22	25.09	22	25.38	22	4.68	6
15	QPSK	50	0	775	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9	768	25	23.57	25	23.58	25
15	QPSK	50	50	768	9	768	9</						



WWAN Power for State 11

Band 48(Part 96)_Ant 7														
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch / Freq	Power Line Ch / Freq	Power Line Ch / Freq	Power Line Ch / Freq	Power Line Ch / Freq	Power Line Ch / Freq	Power Line Ch / Freq	Power Line Ch / Freq	Power Line Ch / Freq	Power Line Ch / Freq	
Channel														
Frequency (MHz)														
20	QPSK	1	0	4.64	8	8.61	8	20.05	21.5	19.51	21.5	19.69	21.5	
20	QPSK	1	40	3.55	10	8.87	10	20.27	21.5	20.45	21.5	20.33	21.5	
20	QPSK	1	80	4.51	6	12.16	21.5	20.01	21.5	19.53	21.5	4.47	6	
20	QPSK	50	0	7.66	9	7.61	9	19.07	20.5	18.98	20.5	18.98	20.5	
20	QPSK	50	24	7.60	9	19.38	20.5	19.10	20.5	19.43	20.5	19.13	20.5	
20	QPSK	50	50	7.56	9	19.20	20.5	19.11	20.5	19.03	20.5	7.47	9	
20	QPSK	100	0	4.68	8	19.17	20.5	19.12	20.5	18.92	20.5	19.03	20.5	
20	QPSK	100	1	0	3.96	5	4.18	6	19.11	20.5	18.43	20.5	19.61	20.5
20	QPSK	1	40	7.54	9	7.88	9	18.96	20.5	19.11	20.5	18.16	20.5	
20	QPSK	1	80	3.47	5	19.38	20.5	19.34	20.5	18.59	20.5	3.31	5	
20	QPSK	50	0	6.98	8	6.96	8	19.20	19.0	17.40	19.0	16.86	19.0	
20	QPSK	50	24	6.71	8	19.35	19.5	18.17	19.5	18.14	19.5	17.95	19.5	
20	QPSK	50	50	6.59	8	19.42	19.5	18.22	19.5	17.96	19.5	6.46	8	
20	QPSK	100	0	3.68	5	18.12	19.5	18.10	19.5	17.86	19.5	17.83	19.5	
20	QPSK	100	1	0	2.81	4	3.63	5	19.07	19.5	17.45	19.5	16.97	19.5
20	QPSK	1	40	6.76	8	7.85	9	19.06	19.5	17.88	19.5	17.89	19.5	
20	QPSK	1	80	2.63	4	17.22	19.5	19.09	19.5	17.88	19.5	2.38	4	
20	QPSK	50	0	5.70	7	8.77	8	17.88	18.5	16.54	18.5	17.23	18.5	
20	QPSK	50	24	5.65	7	17.32	18.5	18.02	18.5	17.03	18.5	17.21	18.5	
20	QPSK	50	50	5.60	7	17.34	18.5	18.04	18.5	18.88	18.5	5.40	7	
20	QPSK	100	0	2.68	4	17.23	18.5	18.11	18.5	17.02	18.5	16.87	18.5	
20	QPSK	100	1	0	3.52	5	3.58	1	14.78	18.5	14.93	18.5	14.88	18.5
20	QPSK	1	40	3.43	5	3.33	5	14.88	18.5	14.76	18.5	15.03	18.5	
20	QPSK	1	80	-0.82	1	14.77	18.5	14.67	18.5	14.82	18.5	14.81	18.5	
20	QPSK	50	0	3.68	5	3.41	5	15.05	18.5	15.03	18.5	15.09	18.5	
20	QPSK	50	24	3.64	5	16.26	18.5	14.87	18.5	15.08	18.5	14.98	18.5	
20	QPSK	50	50	3.65	5	16.11	18.5	15.11	18.5	15.13	18.5	15.10	18.5	
20	QPSK	100	0	3.69	1	16.87	18.5	15.97	18.5	15.97	18.5	15.98	18.5	
Channel														
Frequency (MHz)														
15	QPSK	1	0	4.44	8	8.4	8	20.03	21.5	19.88	21.5	19.99	21.5	
15	QPSK	1	37	8.63	10	19.81	21.5	19.81	21.5	19.81	21.5	8.60	10	
15	QPSK	1	74	4.65	6	19.81	21.5	19.83	21.5	19.81	21.5	4.68	6	
15	QPSK	36	0	7.75	9	19.24	20.5	19.96	20.5	19.19	20.5	19.19	20.5	
15	QPSK	36	36	7.68	9	19.98	20.5	19.14	20.5	19.45	20.5	19.45	20.5	
15	QPSK	36	72	7.68	9	19.07	20.5	19.32	20.5	17.36	20.5	17.36	20.5	
15	QPSK	75	0	5.68	8	19.89	20.5	19.96	20.5	20.26	20.5	20.26	20.5	
15	QPSK	1	37	7.68	9	19.24	20.5	19.96	20.5	19.45	20.5	19.45	20.5	
15	QPSK	1	74	3.67	5	19.08	20.5	19.88	20.5	3.77	5	3.77	5	
15	QPSK	36	0	6.73	8	19.13	19.5	18.97	19.5	18.95	19.5	18.95	19.5	
15	QPSK	36	36	6.67	8	18.11	19.5	18.39	19.5	18.35	19.5	18.35	19.5	
15	QPSK	36	72	6.65	8	18.04	19.5	18.38	19.5	18.35	19.5	18.35	19.5	
15	QPSK	75	0	4.73	5	18.92	19.5	19.05	19.5	18.94	19.5	18.94	19.5	
15	QPSK	1	37	3.51	4	19.95	21.5	19.87	21.5	19.83	21.5	19.83	21.5	
15	QPSK	1	74	7.63	9	18.89	19.5	18.72	19.5	7.61	9	7.61	9	
15	QPSK	36	0	6.73	8	18.97	19.5	18.88	19.5	18.74	19.5	18.74	19.5	
15	QPSK	36	36	6.74	8	18.13	19.5	18.18	19.5	18.18	19.5	18.18	19.5	
15	QPSK	36	72	6.67	8	18.14	19.5	18.19	19.5	18.14	19.5	18.14	19.5	
15	QPSK	75	0	6.64	8	18.18	19.5	18.05	19.5	6.77	8	6.77	8	
15	QPSK	1	37	3.48	5	18.92	19.5	18.92	19.5	18.92	19.5	18.92	19.5	
15	QPSK	1	74	-0.47	1	14.88	18.5	14.89	18.5	14.88	18.5	14.88	18.5	
15	QPSK	36	0	3.72	5	15.03	18.5	15.03	18.5	15.03	18.5	15.03	18.5	
15	QPSK	36	36	3.64	5	15.05	18.5	15.14	18.5	15.13	18.5	15.13	18.5	
15	QPSK	36	72	3.65	5	14.89	18.5	15.11	18.5	3.76	5	3.76	5	
15	QPSK	75	0	1.60	2	19.22	20.5	19.37	20.5	19.08	20.5	19.08	20.5	
Channel														
Frequency (MHz)														
10	QPSK	1	0	8.82	8.82	8.82	8.82	8.82	8.82	8.82	8.82	8.82	8.82	
10	QPSK	1	25	8.80	10	20.37	21.5	20.37	21.5	8.82	10	8.82	10	
10	QPSK	1	40	8.69	9	20.23	20.5	20.32	20.5	8.79	9	8.79	9	
10	QPSK	25	0	7.88	9	19.98	20.5	19.98	20.5	7.88	20.5	7.88	20.5	
10	QPSK	25	12	7.91	9	19.33	19.5	19.11	19.5	7.90	19.5	7.90	19.5	
10	QPSK	25	25	7.83	9	19.28	19.5	19.43	19.5	7.84	19.5	7.84	19.5	
10	QPSK	50	0	7.63	9	19.24	19.06	19.06	19.06	7.64	19.06	7.64	19.06	
10	QPSK	50	24	7.84	9	19.48	19.06	19.06	19.06	7.87	19.06	7.87	19.06	
10	QPSK	50	50	7.86	9	19.43	20.5	19.21	20.5	7.78	20.5	7.78	20.5	
10	QPSK	1	40	7.67	9	19.26	19.06	19.06	19.06	7.68	19.06	7.68	19.06	
10	QPSK	25	0	6.82	8	19.45	19.06	19.06	19.06	6.86	19.06	6.86	19.06	
10	QPSK	25	12	6.99	8	18.33	19.06	18.33	19.06	6.95	19.06	6.95	19.06	
10	QPSK	25	25	6.81	8	18.31	19.06	18.44	19.06	6.85	19.06	6.85	19.06	
10	QPSK	50	0	7.79	9	19.42	19.06	18.87	19.06	6.94	19.06	6.94	19.06	
10	QPSK	1	25	7.73	8	18.17	19.06	18.21	19.06	6.91	19.06	6.91	19.06	
10	QPSK	1	40	7.62	9	18.11	19.06	18.11	19.06	7.11	19.06	7.11	19.06	
10	QPSK	25	0	6.91	8	18.17	19.06	18.20	19.06	6.90	19.06	6.90	19.06	
10	QPSK	25	12	6.96	7	18.47	18.5	18.24	18.5	6.95	18.5	6.95	18.5	
10	QPSK	25	25	6.83	7	18.33	18.5	18.04	18.5	6.83	18.5	6.83	18.5	
10	QPSK	50	0	6.82	8	18.65	18.06	18.06	18.06	6.81	18.06	6.81	18.06	
10	QPSK	50	1	6.38	8	15.47	14.86	14.86	14.86	6.37	14.86	6.37	14.86	
10	QPSK	50	25	3.88	5	15.10	14.86	15.14	14.86	3.97	14.86	3.97	14.86	
10	QPSK	50	50	3.90	5	15.22	15.21	15.21	15.21	3.90	15.21	3.90	15.21	
10	QPSK	25	0	3.88	5	15.37	16.5	15.30	16.5	3.94	16.5	3.94	16.5	
10	QPSK	25	12	3.88	5	15.22	15.18	15.18	15.18	3.88	15.18	3.88	15.18	
10	QPSK	50	0	3.81	5	15.18	15.20	15.20	15.20	3.81	15.20	3.81	15.20	
Channel														
Frequency (MHz)														
5	QPSK	1	0	8.82	8.82	8.82	8.82	8.82	8.82	8.82	8.82	8.82	8.82	
5	QPSK	1	12	8.83	10	20.40	21.5	20.11	21.5	8.80	10	8.80	10	
5	QPSK	1	24	8.80	9	20.32	20.5	20.07	20.5	8.81	20.5	8.81	20.5	
5	QPSK	12	0	7.89	9	19.38	19.06	19.33	19.06	7.88	19.06	7.88	19.06	
5	QPSK	12	7	7.92	9	19.98	20.5	19.28	20.5	7.90	20.5	7.90	20.5	
5	QPSK	12	13	7.91	9	19.38	19.06	19.23	19.06	7.85	19.06	7.85	19.06	
5	QPSK	25	0	7.86	9	19.20	19.06	19.43	19.06	7.88	19.06	7.88	19.06	
5	QPSK	25	0	7.88	9	19.53	19.24	19.24	19.24	7.92	19.24	7.92	19.24	
5	QPSK	1	12	7.86	9	19.37	20.5	18.69	20.5	7.81	20.5	7.81	20.5	
5	QPSK	1	24	7.87	9	19.35	19.23	19.23	19.23	7.87	19.23	7.87	19.23	
5	QPSK	12	0	6.90	8	18.27	18.5	18.34	18.5	6.97	18.5	6.97	18.5	
5	QPSK	12	7	6.92	8	18.38	19.0	18.40	19.0	6.92	19.0	6.92	19.0	
5	QPSK	12	13	6.91	8	18.56	19.0	18.27	19.0	6.83	19.0	6.83	19.0	
5	QPSK	25	0	6.85	8	18.48	18.5	18.48	18.5	6.82	18.5	6.82	18.5	
5	QPSK	1	0	7.72	8	19.27	19.0	19.27	19.0	6.68	19.0	6.68	19.0	
5	QPSK	1	12	7.88	8	18.46	19.5	18.92	19.5	6.94	19.5	6.94	19.5	
5	QPSK	1	24	7.72	8	18.26	19.0	18.26	19.0	6.96	19.0	6.96	19.0	
5	QPSK	12	0	6.90	8	18.43	18.5	18.44	18.5	6.86	18.5	6.86	18.5	
5	QPSK	12	7	6.94	7	18.34	18.5	17.99	18.5	6.90	18.5.			

Band 48(Part 96)_Ant 9

[illegible]

Band 48(Part 96)_Ant 10

BW [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq.		Power Low Ch / Freq.		Power Low Ch / Freq.		Power Low Ch / Freq.		Power Low Ch / Freq.		Power Low Ch / Freq.		Power Low Ch / Freq.		Power Low Ch / Freq.	
				Power Low Ch / Freq.	Power Low Ch / Freq.	Power Low Ch / Freq.	Power Low Ch / Freq.	Power Low Ch / Freq.	Power Low Ch / Freq.	Power Low Ch / Freq.	Power Low Ch / Freq.	Power Low Ch / Freq.	Power Low Ch / Freq.	Power Low Ch / Freq.	Power Low Ch / Freq.	Power Low Ch / Freq.	Power Low Ch / Freq.	Power Low Ch / Freq.	Power Low Ch / Freq.
Channel				5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
20	QPSK	1	0	4.64	6	5.01	6	20.57	22	20.08	22	20.20	22	24.23	26	24.23	26	24.23	
20	QPSK	1	49	4.51	10	8.87	10	20.47	26	24.12	26	24.12	26	24.12	26	24.12	26	24.12	
20	QPSK	1	99	4.51	6	20.50	22	20.12	22	20.12	22	24.47	26	24.47	26	24.47	26	24.47	
20	QPSK	50	0	7.68	9	7.81	9	23.56	26	23.12	26	23.12	26	23.12	26	23.12	26	23.12	
20	QPSK	50	24	7.68	9	23.74	26	23.59	26	23.59	26	23.62	26	23.62	26	23.62	26	23.62	
20	QPSK	50	50	7.68	9	23.66	26	23.56	26	23.53	26	23.62	26	23.62	26	23.62	26	23.62	
20	QPSK	100	0	4.64	6	20.70	22	20.64	22	20.52	22	20.31	22	23.97	26	23.97	26	23.97	
20	16QAM	1	0	3.56	5	4.16	6	19.66	21	19.20	21	19.19	21	23.31	25	23.31	25	23.31	
20	16QAM	1	49	4.54	9	7.88	9	23.66	26	23.07	26	23.14	26	23.14	26	23.14	26	23.14	
20	16QAM	1	99	3.47	3.47	5	19.97	21	19.90	21	19.90	21	23.31	25	23.31	25	23.31		
20	16QAM	50	0	6.68	6	6.88	6	22.56	24	22.24	24	22.24	24	22.24	24	22.24	24	22.24	
20	16QAM	50	24	6.71	8	22.76	24	22.60	24	22.23	24	22.21	24	22.23	24	22.23	24	22.23	
20	16QAM	50	50	6.68	6	22.76	24	22.58	24	22.23	24	22.23	24	22.23	24	22.23	24	22.23	
20	64QAM	1	0	2.81	4	3.63	5	19.67	20	19.19	20	19.26	20	23.24	24	23.24	24	23.24	
20	64QAM	1	49	2.78	8	7.85	9	23.60	24	23.20	24	23.20	24	23.23	24	23.23	24	23.23	
20	64QAM	1	99	2.63	4	19.90	21	19.92	21	19.90	21	23.30	25	23.30	25	23.30	25	23.30	
20	64QAM	50	0	5.70	7	6.37	8	22.67	23	23.21	23	23.31	23	23.25	23	23.25	23	23.25	
20	64QAM	50	24	5.69	7	22.67	24	22.58	24	23.22	24	23.22	24	23.22	24	23.22	24	23.22	
20	64QAM	50	50	5.60	7	22.73	24	22.58	23	23.22	23	23.23	23	23.23	23	23.23	23	23.23	
20	64QAM	100	0	2.68	4	19.90	21	19.65	20	19.23	20	18.31	20	19.33	21	19.33	21	19.33	
20	256QAM	1	0	3.52	5	4.58	5	19.20	17	15.33	17	15.25	17	19.31	17	19.31	17	19.31	
20	256QAM	1	49	3.43	5	3.33	5	19.07	17	19.11	17	19.25	17	19.16	17	19.16	17	19.16	
20	256QAM	1	99	4.62	1	15.23	17	15.14	17	15.19	17	15.34	17	19.21	17	19.21	17	19.21	
20	256QAM	50	0	3.68	5	3.41	5	19.17	21	19.26	21	19.19	21	19.28	21	19.28	21	19.28	
20	256QAM	50	24	3.64	5	19.38	21	19.16	21	19.21	21	19.26	21	19.28	21	19.28	21	19.28	
20	256QAM	50	50	3.55	5	19.26	21	19.22	21	19.16	21	19.26	21	19.28	21	19.28	21	19.28	
20	256QAM	100	0	2.63	1	16.36	17	16.20	17	16.19	17	16.28	17	16.34	17	16.34	17	16.34	
Channel				5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	
15	QPSK	1	0	4.64	6	5.01	6	20.57	22	20.08	22	20.20	22	24.23	26	24.23	26	24.23	
15	QPSK	1	49	4.51	10	8.87	10	20.47	26	24.12	26	24.12	26	24.12	26	24.12	26	24.12	
15	QPSK	1	99	4.51	6	20.50	22	20.12	22	20.12	22	24.47	26	24.47	26	24.47	26	24.47	
15	QPSK	1	74	4.68	6	20.52	22	20.12	22	20.12	22	24.48	26	24.48	26	24.48	26	24.48	
15	QPSK	36	0	7.75	9	7.75	9	23.57	26	23.57	26	23.57	26	23.57	26	23.57	26	23.57	
15	QPSK	36	20	7.68	9	7.68	9	23.59	26	23.59	26	23.59	26	23.59	26	23.59	26	23.59	
15	QPSK	36	36	7.68	9	7.68	9	23.66	26	23.66	26	23.66	26	23.66	26	23.66	26	23.66	
15	QPSK	76	0	6.68	6	6.68	6	22.51	22	22.51	22	22.51	22	22.51	22	22.51	22	22.51	
15	16QAM	1	0	3.71	5	4.16	5	19.66	21	19.67	21	19.67	21	19.67	21	19.67	21	19.67	
15	16QAM	1	49	3.67	9	7.68	9	23.67	26	23.67	26	23.67	26	23.67	26	23.67	26	23.67	
15	16QAM	1	74	3.67	5	19.65	21	19.65	21	19.65	21	19.65	21	19.65	21	19.65	21	19.65	
15	16QAM	36	0	6.73	8	6.73	8	22.74	24	22.74	24	22.74	24	22.74	24	22.74	24	22.74	
15	16QAM	36	20	6.67	8	22.74	24	22.74	24	22.74	24	22.74	24	22.74	24	22.74	24	22.74	
15	16QAM	36	36	6.65	8	22.67	24	22.61	24	22.61	24	22.61	24	22.61	24	22.61	24	22.61	
15	16QAM	76	0	4.73	5	4.73	5	20.51	21	20.51	21	20.51	21	20.51	21	20.51	21	20.51	
15	16QAM	76	20	4.65	4	19.65	21	19.65	21	19.65	21	19.65	21	19.65	21	19.65	21	19.65	
15	16QAM	76	36	4.73	5	19.65	21	19.65	21	19.65	21	19.65	21	19.65	21	19.65	21	19.65	
15	16QAM	76	74	4.65	4	19.65	21	19.65	21	19.65	21	19.65	21	19.65	21	19.65	21	19.65	
15	64QAM	1	0	2.81	4	3.63	5	19.67	20	19.19	20	19.26	20	23.24	24	23.24	24	23.24	
15	64QAM	1	37	7.83	9	7.83	9	23.65	24	23.65	24	23.65	24	23.65	24	23.65	24	23.65	
15	64QAM	1	74	3.67	4	19.67	21	19.67	21	19.67	21	19.67	21	19.67	21	19.67	21	19.67	
15	64QAM	36	0	6.74	8	6.74	8	22.67	23	22.67	23	22.67	23	22.67	23	22.67	23	22.67	
15	64QAM	36	20	6.67	8	22.67	23	22.67	23	22.67	23	22.67	23	22.67	23	22.67	23	22.67	
15	64QAM	36	36	6.65	8	22.60	23	22.60	23	22.60	23	22.60	23	22.60	23	22.60	23	22.60	
15	64QAM	76	0	4.70	6	4.70	6	20.52	21	20.52	21	20.52	21	20.52	21	20.52	21	20.52	
15	64QAM	76	20	4.67	1	15.26	17	15.26	17	15.26	17	15.26	17	15.26	17	15.26	17	15.26	
15	256QAM	1	0	3.47	5	3.47	5	19.63	17	19.63	17	19.63	17	19.63	17	19.63	17	19.63	
15	256QAM	1	74	4.67	1	15.26	17	15.26	17	15.26	17	15.26	17	15.26	17	15.26	17	15.26	
15	256QAM	1	99	3.72	5	3.72	5	19.20	17	19.20	17	19.20	17	19.20	17	19.20	17	19.20	
15	256QAM	36	0	3.64	5	3.64	5	19.67	21	19.67	21	19.67	21	19.67	21	19.67	21	19.67	
15	256QAM	36	36	3.65	5	3.65	5	19.67	21	19.64	21	19.67	21	19.67	21	19.67	21	19.67	
15	256QAM	76	0	3.65	5	3.65	5	19.67	21	19.64	21	19.67	21	19.67	21	19.67	21	19.67	
15	256QAM	76	20	3.64	5	19.67	21	19.67	21	19.64	21	19.67	21	19.67	21	19.67	21	19.67	
Channel				5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	
10	QPSK	1	0	4.64	6	5.01	6	20.57	22	20.08	22	20.20	22	24.23	26	24.23	26	24.23	
10	QPSK	1	24	4.60	8	8.80	10	20.43	26	24.77	26	24.72	26	8.82	10	8.82	10	8.82	
10	QPSK	1	49	8.69	8	8.69	8	23.67	26	24.80	26	24.80	26	8.79	7.80	7.80	7.80	7.80	
10	QPSK	26	0	7.89	9	7.89	9	23.67	26	23.67	26	23.67	26	7.82	7.82	7.82	7.82	7.82	
10	QPSK	26	12	7.81	9	7.81	9	23.67	26	23.67	26	23.67	26	7.80	7.80	7.80	7.80	7.80	
10	QPSK	26	26	7.83	9	7.83	9	23.69	26	23.69	26	23.69	26	7.80	7.80	7.80	7.80	7.80	
10	QPSK	50	0	7.84	9	7.84	9	23.64	26	23.76	26	23.76	26	7.84	7.84	7.84	7.84	7.84	
10	QPSK	50	24	7.83	9	7.83	9	23.63	26	23.63	26	23.63	26	7.87	7.87	7.87	7.87	7.87	
10	16QAM	1	25	7.96	9	7.96	9	23.67	26	23.66	26	23.66	26	7.80	7.80	7.80	7.80	7.80	
10	16QAM	1	49	7.67	8	7.67	8	23.60	26	23.72	26	23.72	26	7.76	7.76	7.76	7.76	7.76	
10	16QAM	26	0	6.96	8	6.96	8	22.84	24	22.84	24	22.84	24	6.86	6.86	6.86	6.86	6.86	
10	16QAM	26	12	6.90	8	6.90	8	22.84	24	22.84	24	22.84	24	6.86	6.86	6.86	6.86	6.86	
10	16QAM	26	26	6.81	8	6.81	8	22.84	24	22.77	24	22.77	24	6.86	6.86				

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Band 48(Part 96)_Ant 7															
SV [dBc]	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Time-up limit (dBm)	Power Low Ch / Freq	Time-up limit (dBm)	Power Low Ch / Freq	Time-up limit (dBm)	Power Low Ch / Freq	Time-up limit (dBm)	Power High Ch / Freq	Time-up limit (dBm)	Power High Ch / Freq	Time-up limit (dBm)
Channel				50000	50000	50000	50000	50000	50000	50000	50000	50000	50000	50000	50000
Frequency (MHz)				36772	36772	36772	36772	36772	36772	36772	36772	36772	36772	36772	36772
20	QPSK	1	0	4.64	6	6.01	6	20.57	22	20.08	22	20.26	22	24.23	26
20	QPSK	1	46	3.93	10	8.87	10	24.62	26	24.02	26	24.35	26	24.36	26
20	QPSK	1	4.51	6	4.51	6	20.60	22	20.42	22	20.21	24	4.45	6	24.37
20	QPSK	160	0	7.68	9	7.81	9	23.58	25	23.20	25	23.27	25	23.30	26
20	QPSK	50	24	7.68	9	24.74	26	23.09	25	23.12	25	23.22	25	23.24	26
20	QPSK	50	0	7.68	9	20.66	25	23.02	25	23.13	24	23.17	24	23.19	26
20	QPSK	100	0	4.68	8	20.76	22	20.54	22	20.20	22	20.31	22	20.79	26
20	16QAM	1	0	3.58	5	4.16	6	19.68	21	19.02	21	19.19	21	23.31	26
20	16QAM	1	7.58	6	7.58	6	20.68	26	20.28	26	20.24	26	23.31	26	
20	16QAM	1	99	3.47	5	19.97	21	19.93	21	19.20	21	3.51	5	7.42	6
20	16QAM	50	0	6.68	8	6.88	8	22.58	24	22.24	24	22.29	24	22.25	26
20	16QAM	50	24	6.71	8	22.78	24	22.66	24	22.18	24	22.21	24	22.20	26
20	16QAM	50	0	6.68	8	20.76	24	22.58	24	22.23	24	22.43	24	22.37	26
20	16QAM	100	0	3.68	5	19.74	21	19.61	21	19.22	21	19.28	21	22.32	26
20	64QAM	1	0	2.81	4	3.63	5	19.57	20	18.19	20	18.26	20	23.24	26
20	64QAM	1	6.78	6	6.78	6	21.60	24	21.30	24	21.47	24	23.24	26	
20	64QAM	1	99	2.63	4	18.88	21	19.02	20	18.20	20	2.68	4	3.39	6
20	64QAM	50	0	6.70	7	6.77	8	22.57	25	23.21	25	23.31	25	22.25	26
20	64QAM	50	0	6.68	7	22.87	24	22.58	25	23.20	25	23.31	25	22.31	26
20	64QAM	50	50	5.60	7	22.73	24	22.50	25	21.22	23	5.64	7	6.42	8
20	64QAM	100	0	2.68	4	18.80	21	18.65	20	18.23	20	18.31	20	19.33	21
20	256QAM	1	0	3.52	5	4.58	6	19.23	21	17.23	21	17.29	21	16.31	21
20	256QAM	1	49	3.43	5	3.33	5	19.07	21	18.11	21	19.25	21	16.16	21
20	256QAM	1	99	-0.62	1	19.23	17	15.14	17	15.19	17	15.14	17	19.21	21
20	256QAM	50	24	3.64	5	3.41	5	19.17	21	19.26	21	19.18	21	23.69	26
20	256QAM	50	0	3.64	5	19.38	21	19.19	21	18.21	19	19.20	21	19.34	21
20	256QAM	50	50	3.50	5	19.26	21	19.22	21	18.18	21	19.20	21	3.44	6
20	256QAM	100	0	0.66	1	16.35	17	16.20	17	16.18	17	16.28	17	16.34	17
Channel				50000	50000	50000	50000	50000	50000	50000	50000	50000	50000	50000	50000
Frequency (MHz)				36772	36772	36772	36772	36772	36772	36772	36772	36772	36772	36772	36772
10	QPSK	1	0	4.64	6	6.01	6	20.59	22	20.09	22	20.45	22		
10	QPSK	1	8.82	10	8.82	10	24.64	26	24.04	26	24.40	26	8.86	10	
10	QPSK	1	74	4.60	6			20.02	22	20.38	22	20.89	22	4.69	6
10	QPSK	36	0	7.78	9			23.70	25	23.67	25	23.58	25		
10	16QAM	36	26	7.68	9			23.71	25	23.66	25	23.69	25		
10	QPSK	36	7.68	9	7.68	9	23.68	25	23.63	25	23.76	9			
10	QPSK	75	0	5.68	6			21.59	22	21.56	22	21.65	22		
10	16QAM	1	0	3.71	5			18.65	21	19.67	21	19.61	21		
10	16QAM	1	7.68	9				23.67	25	23.62	25	23.71	25		
10	16QAM	1	74	3.67	5			19.66	21	19.60	21	3.77	6		
10	16QAM	36	0	6.73	8			22.74	24	22.57	24	22.59	24		
10	16QAM	36	6.68	8				22.52	24	22.52	24	22.52	24		
10	16QAM	36	99	8.80	8			22.67	24	22.61	24	8.76	8		
10	16QAM	75	0	4.73	5			20.63	21	20.61	21	20.64	21		
10	16QAM	1	3.51	4	4			18.62	20	18.60	20	18.37	20		
10	16QAM	1	37	7.63	9			23.05	24	23.34	24	7.61	9		
10	16QAM	1	74	3.67	4			19.67	20	19.31	20	3.74	5		
10	16QAM	1	8.78	9				22.64	23	22.63	23	22.68	23		
10	16QAM	36	99	8.64	8			22.70	23	22.66	23	8.57	8		
10	16QAM	75	0	4.70	6			20.62	21	20.60	21	20.69	21		
10	16QAM	1	-0.47	4				18.58	19	18.57	19	18.77	19		
10	256QAM	1	37	3.48	5			18.63	21	19.57	21	3.71	6		
10	256QAM	1	74	-0.47	1			18.68	17	18.56	17	-0.32	1		
10	256QAM	36	99	3.73	5			19.70	20	19.61	20	19.63	20		
10	256QAM	36	20	3.64	5			19.69	21	19.64	21	19.67	21		
10	256QAM	36	99	3.60	5			19.67	21	19.64	21	3.76	5		
10	256QAM	75	0	1.60	2			13.68	14	13.68	14	13.72	14		
Channel				50000	50000	50000	50000	50000	50000	50000	50000	50000	50000	50000	50000
Frequency (MHz)				36772	36772	36772	36772	36772	36772	36772	36772	36772	36772	36772	36772
10	QPSK	1	0	8.80	10			24.71	26	24.72	26	8.82		10	
10	QPSK	1	49	8.60				24.73	24	24.69		8.79			
10	QPSK	25	0	7.89				23.67	23.68			7.92			
10	QPSK	1	7.91					23.91							
10	QPSK	25	26	7.83	9			23.89	25	23.75	25	7.90	9		
10	QPSK	50	0	7.83				23.84	23.78	7.84					
10	16QAM	1	7.68					23.03	23.03			7.67			
10	16QAM	1	25	7.98	9			23.87	24	23.68	25	7.90	9		
10	16QAM	1	49	7.67				23.90	23.72			7.76			
10	16QAM	1	69					23.90	23.86			7.88			
10	16QAM	25	12	6.90				22.94	22.91			6.95			
10	16QAM	25	26	6.87	8			22.94	22.77			6.95	8		
10	16QAM	1	25	7.73	8			23.81	24	23.66	24	6.93	8		
10	16QAM	1	49	7.62				23.73	23.63			7.11			
10	16QAM	1	69					22.86	22.86			6.96			
10	16QAM	25	12	6.80	7			22.93	22.70	23		6.90	7		
10	16QAM	25	26	6.83				22.88	22.75			6.93			
10	16QAM	1	6.82					22.90	22.72			6.91			
10	256QAM	1	0	3.88				19.81	19.55			3.81			
10	256QAM	1	25	3.86	5			19.77	21	19.62	21	3.97	5		
10	256QAM	1	49	3.55				19.74	19.65			3.73			
10	256QAM	1	69					19.86	19.86			3.82			
10	256QAM	25	12	3.88	5			19.82	21	19.70	21	3.94	5		
10	256QAM	25	26	3.84				19.89	19.77			3.94			
10	256QAM	50	0	3.81				19.85	19.85			3.98			
Channel				50000	50000	50000	50000	50000	50000	50000	50000	50000	50000	50000	50000
Frequency (MHz)				36772	36772	36772	36772	36772	36772	36772	36772	36772	36772	36772	36772
5	QPSK	1	0	8.71	9			24.63		24.63		8.73			
5	QPSK	1	12	8.83	10			24.63	26	24.61	26	8.80	10		
5	QPSK	1	24	8.80				24.85		24.50		8.81			
5	QPSK	12	0	7.89				23.87		23.78		7.88			
5	QPSK	12	7.92					23.90	25	23.79	25	7.90			
5	QPSK	12	13	7.91				23.87		23.74		7.88			
5	QPSK	25	0	7.90				23.84		23.74		7.88			
5	16QAM	1	1	7.88				23.81	23.74	7.92					
5	16QAM	1	12	7.95	9			23.77	25	23.78	25	7.81	9		
5	16QAM	1	24	7.87				23.83		23.63		7.77			
5	16QAM	12	0	6.90				22.94		22.84		6.97			
5	16QAM	12	7	6.92				22.90		22.81		6.92			
5	16QAM	12	13	6.85	8			22.92	24	22.72	24	6.83			
5	16QAM	25	0	6.86				22.86		22.86		6.90			
5	16QAM	1	0	7.72				23.75		23.77		6.88			
5	16QAM	1	12	7.69	8			23.88	24	23.78	24	6.94	8		
5	16QAM	1	24	7.72											

Band 48(Part 96)_Ant 8																
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low 5000 3600	Time-up time (s/min)	Power Low Ch / Freq	Time-up time (s/min)	Power Low Ch / Freq	Time-up time (s/min)	Power Low Ch / Freq	Time-up time (s/min)	Power High Ch / Freq	Time-up time (s/min)	Power High Ch / Freq	Time-up time (s/min)	
Channel																
Frequency (MHz)																
20	QPSK	1	0	4.64	6	6.01	6	20.57	22	20.08	22	20.20	22	23.49	25.5	
20	QPSK	1	46	3.53	10	8.87	10	24.15	25.5	24.17	25.5	24.11	25.5	24.54	25.5	
20	QPSK	1	4.51	6		20.05	22	20.42	22	20.11	22	24.47	24	24.5		
20	QPSK	80	0	7.68	9	7.81	9	23.23	24.5	23.45	24.5	23.50	24.5	22.78	24.5	
20	QPSK	50	24	7.78	9	12.14	24.5	23.28	24.5	23.35	24.5	23.47	24.5	23.38	24.5	
20	QPSK	50	0	7.68	9		20.11	24.5	23.14	24.5	24.01	24.5	23.78	24.5		
20	QPSK	100	0	4.68	6	20.76	22	20.84	22	20.20	22	20.31	22	20.11	24.5	
20	16QAM	1	0	3.55	5	4.16	6	19.86	21	19.02	21	19.19	21	22.68	24.5	
20	16QAM	1	7.58	6	7.58	6	22.97	24.5	22.97	24.5	22.97	24.5	22.97	24.5	22.97	24.5
20	16QAM	1	99	3.47	5	15.97	21	19.93	21	19.20	21	1.91	5	7.42	6	
20	16QAM	50	0	6.68	8	6.88	8	22.24	23.5	21.57	23.5	21.69	23.5	21.81	23.5	
20	16QAM	50	24	6.71	8	22.24	23.5	22.29	23.5	21.73	23.5	21.78	23.5	21.90	23.5	
20	16QAM	50	0	6.68	8	6.68	8	22.29	23.5	21.61	23.5	21.61	23.5	21.74	23.5	
20	16QAM	100	0	3.68	5	10.74	21	19.61	21	19.22	21	19.28	21	21.78	23.5	
20	16QAM	1	0	2.51	4	3.53	5	19.57	20	18.19	20	19.26	20	21.82	23.5	
20	16QAM	1	6.78	6	6.78	6	7.85	23.27	20	20.11	23	21.87	23	21.8	23.5	
20	16QAM	1	99	2.63	4	18.86	21	19.52	20	18.20	20	1.92	4	3.26	5	
20	16QAM	50	0	6.70	7	6.77	8	22.07	22.5	20.78	22.5	20.86	22.5	21.71	22.5	
20	16QAM	50	0	6.68	7	21.38	22.5	22.05	22.5	20.76	22.5	20.76	22.5	21.86	22.5	
20	16QAM	50	50	5.60	7	21.29	22.5	21.90	22.5	20.63	22.5	1.45	7	6.42	8	
20	16QAM	100	0	2.68	4	18.80	21	19.65	20	18.23	20	19.31	20	19.33	21	
20	256QAM	1	0	3.52	5	4.58	6	15.20	17	15.23	17	15.23	17	15.31	17	
20	256QAM	1	49	3.43	5	3.33	5	18.76	20.5	18.62	20.5	18.80	20.5	18.86	20.5	
20	256QAM	1	99	-0.62	1	19.23	17	15.14	17	15.19	17	15.14	17	19.61	20.5	
20	256QAM	10	0	3.68	5	3.44	5	18.50	20.5	18.65	20.5	18.65	20.5	18.65	20.5	
20	256QAM	50	24	3.64	5	19.77	20.5	18.80	20.5	18.65	20.5	18.76	20.5	18.86	20.5	
20	256QAM	50	50	3.50	5	18.80	20.5	18.77	20.5	18.68	20.5	18.50	20.5	1.44	6	
20	256QAM	100	0	0.66	1	16.35	17	16.20	17	16.19	17	16.28	17	16.34	17	
Channel																
Frequency (MHz)																
15	QPSK	1	0	4.64	6			20.49	22	20.35	22	20.45	22			
15	QPSK	1	46	3.53	10			24.17	25.5	24.19	25.5	24.13	25.5	24.56	25.5	
15	QPSK	1	74	4.65	6			20.02	22	20.39	22		4.89	6		
15	QPSK	75	0	7.78	9			23.35	24.5	23.30	24.5	24.5	23.04	24.5		
15	QPSK	75	26	7.68	9			23.38	24.5	23.97	24.5	23.5	23.50	24.5		
15	QPSK	75	0	7.68	9			23.32	24.5	23.16	24.5	7.78	9			
15	QPSK	75	0	5.68	6			21.59	22	21.59	22	21.65	22			
15	16QAM	1	0	3.71	5			19.68	21	19.67	21	19.61	21			
15	16QAM	1	7.68	9				23.39	24.5	23.42	24.5	23.45	24.5	23.45	24.5	
15	16QAM	1	74	3.67	5			18.66	21	18.65	21	3.77	6			
15	16QAM	50	0	6.73	8			22.26	23.5	22.19	23.5	22.22	23.5			
15	16QAM	50	0	6.63	8			22.07	23.5	22.07	23.5	22.06	23.5			
15	16QAM	36	39	6.80	8			22.18	23.5	22.20	23.5	6.78	8			
15	16QAM	75	0	4.73	5			20.63	21	20.61	21	20.64	21			
15	16QAM	75	0	4.4	4			19.43	20	19.43	20	19.37	20			
15	16QAM	1	37	7.83	9			23.08	23.5	23.27	23.5	7.81	9			
15	16QAM	1	74	3.67	4			19.57	20	19.31	20	3.74	5			
15	16QAM	75	26	6.87	8			22.29	23.5	22.17	23.5	6.84	8			
15	16QAM	36	39	6.84	8			22.04	23.5	22.30	23.5	6.77	8			
15	16QAM	75	0	4.70	6			20.62	21	20.66	21	20.69	21			
15	16QAM	75	0	-0.47	1			19.58	14.9	17	19.58					
15	256QAM	1	37	3.48	5			18.56	20.5	18.16	20.5	3.71	6			
15	256QAM	1	74	-0.47	1			19.17	17	15.89	17	-0.32	1			
15	256QAM	1	75	3.72	5			19.35	20.5	19.07	20.5	3.61	5			
15	256QAM	36	39	3.64	5			19.37	20.5	19.33	20.5	19.29	20.5			
15	256QAM	75	0	3.60	5			19.05	20.5	19.24	20.5	3.78	5			
15	256QAM	75	0	1.64	2			13.48	16	11.68	16	11.72	16			
Channel																
Frequency (MHz)																
10	QPSK	1	0	5.90	10			59.01	10	59.08	10	59.00	10			
10	QPSK	1	0	5.87	10			24.19	25	24.21	25	24.15	25	8.75	10	
10	QPSK	1	8.80	10				24.18	25	24.18	25	8.82	10			
10	QPSK	1	49	8.60	10			24.22	25	23.90	25	6.79	10			
10	QPSK	25	0	7.86	9			23.52	23.5	23.57	23.5	7.82	9			
10	QPSK	25	7.81	9				23.48	23.5	23.48	23.5	7.81	9			
10	QPSK	25	25	7.83	9			23.26	23.5	23.37	23.5	7.80	9			
10	QPSK	50	0	7.83	9			23.54	23.5	23.35	23.5	7.84	9			
10	QPSK	50	0	7.84	9			23.54	23.5	23.54	23.5	7.87	9			
10	16QAM	1	25	7.98	9			23.25	24.5	23.13	24.5	7.40	9			
10	16QAM	1	49	7.87	9			23.49	24.5	23.23	24.5	7.76	9			
10	16QAM	25	0	6.95	10			22.97	23.5	22.91	23.5	6.95	10			
10	16QAM	25	12	6.95	10			23.43	23.5	23.19	23.5	6.95	10			
10	16QAM	25	25	6.87	10			23.36	23.5	23.22	23.5	6.95	8			
10	16QAM	50	0	6.83	9			22.55	22.5	22.15	22.5	6.80	9			
10	16QAM	50	0	7.79	9			23.18	23.5	23.16	23.5	6.84	9			
10	16QAM	1	25	7.73	8			23.38	23.5	23.27	23.5	6.93	8			
10	16QAM	1	49	7.82	9			23.27	23.5	23.25	23.5	7.11	9			
10	16QAM	25	0	6.81	9			23.26	23.5	23.26	23.5	6.86	9			
10	16QAM	25	12	6.85	9			23.32	23.5	23.27	23.5	6.90	9			
10	16QAM	25	25	6.83	9			22.87	22.5	22.42	22.5	5.93	9			
10	16QAM	50	0	6.82	9			22.43	22.5	22.43	22.5	6.81	9			
10	256QAM	1	0	3.98	5			19.22	20.5	19.24	20.5	3.81	5			
10	256QAM	1	25	3.86	5			19.21	20.5	19.35	20.5	3.87	5			
10	256QAM	1	49	3.55	5			19.30	20.5	19.36	20.5	3.73	5			
10	256QAM	25	0	3.90	5			19.40	20.5	19.40	20.5	3.82	5			
10	256QAM	25	12	3.88	5			19.58	20.5	19.16	20.5	3.94	5			
10	256QAM	25	25	3.36	5			19.62	20.5	19.17	20.5	3.34	5			
10	256QAM	50	0	3.81	5			19.19	20.5	19.43	20.5	3.98	5			
Channel																
Frequency (MHz)																
5	QPSK	1	0	8.71	10			24.48	24.48	24.48	24.48	8.70	10			
5	QPSK	1	12	8.83	10			24.39	25.5	23.98	25.5	8.80	10			
5	QPSK	1	24	8.80	10			24.50	25.5	23.98	25.5	8.81	10			
5	QPSK	1	7.80	10				23.19	23.5	23.19	23.5	7.88	10			
5	QPSK	1	12	7.92	10			23.39	23.5	23.27	23.5	7.90	10			
5	QPSK	1	13	7.91	10			23.84	24.5	23.27	24.5	7.88	9			
5	QPSK	25	0	7.90	9			23.22	23.5	23.32	23.5	7.88	9			
5	QPSK	25	1	7.88	9			23.19	23.5	23.19	23.5	7.82	9			
5	16QAM	1	12	7.95	9			23.38	24.5	23.43	24.5	7.81	9			
5	16QAM	1	24	7.87	9			23.29	24.5	23.62	24.5	7.77	9			
5	16QAM	12	0	6.96	10			23.24	23.5	23.24	23.5	6.92	10			
5	16QAM	12	7	6.92	8			22.43	23.5	22.30	23.5	6.92	8			
5	16QAM	12	13	6.85	8			22.35	23.5	22.38	23.5	6.83	8			
5	16QAM	25	0	6.96	10			20.25	20.5	20.25	20.5	6.92	10			
5																



Band 48(Part 96)_Ant 9

RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq
Channel															
Frequency (MHz)				55500	55500	55500	55500	55500	55500	55500	55500	55500	55500	55500	55500
20	QPSK	1	0	4.64	6	6.01	6	19.08	20.5	18.54	20.5	18.54	20.5	18.53	20.5
20	QPSK	1	49	3.93	10	8.87	10	19.11	20.5	19.20	20.5	19.20	20.5	19.21	20.5
20	QPSK	1	99	4.51	6	10.04	20.5	18.91	20.5	18.92	20.5	4.47	6	8.45	10
20	QPSK	50	0	7.88	9	7.81	9	18.18	19.5	17.70	19.5	17.83	19.5	17.46	19.5
20	QPSK	50	24	7.93	9	18.00	19.5	18.24	19.5	18.02	19.5	18.10	19.5	18.21	19.5
20	QPSK	50	50	7.66	9	18.01	19.5	18.13	19.5	17.64	19.5	7.47	9	7.48	9
20	QPSK	100	0	4.68	6	18.07	19.5	18.09	19.5	17.84	19.5	17.91	19.5	17.86	19.5
20	16QAM	1	0	3.55	5	4.18	6	18.14	19.5	17.64	19.5	17.80	19.5	17.80	19.5
20	16QAM	1	49	7.56	9	7.86	9	18.26	19.5	17.58	19.5	17.70	19.5	17.96	19.5
20	16QAM	1	99	3.47	5	18.85	19.5	18.49	19.5	17.84	19.5	3.31	5	7.42	9
20	16QAM	50	0	6.68	6	6.86	6	17.02	18.5	16.50	18.5	16.75	18.5	16.86	18.5
20	16QAM	50	24	6.71	6	17.13	18.5	17.24	18.5	16.50	18.5	16.78	18.5	17.02	18.5
20	16QAM	50	50	6.59	6	6.86	6	17.18	18.5	17.25	18.5	16.80	18.5	16.86	18.5
20	16QAM	100	0	3.68	5	17.10	18.5	17.10	18.5	16.70	18.5	16.70	18.5	16.70	18.5
20	64QAM	1	0	2.81	4	3.60	5	18.08	18.5	16.85	18.5	16.70	18.5	16.70	18.5
20	64QAM	1	49	6.76	8	7.85	9	17.86	18.5	16.70	18.5	17.08	18.5	17.70	18.5
20	64QAM	1	99	2.63	4	17.27	18.5	17.85	18.5	16.80	18.5	2.58	4	3.29	5
20	64QAM	50	0	5.70	7	6.77	8	17.14	17.5	16.86	17.5	16.80	17.5	16.80	17.5
20	64QAM	50	24	5.65	7	16.98	17.5	17.18	17.5	16.64	17.5	16.86	17.5	16.79	17.5
20	64QAM	50	50	5.60	7	17.18	17.5	16.87	17.5	16.60	17.5	5.45	7	6.42	8
20	64QAM	100	0	2.68	4	16.30	17.5	17.01	17.5	16.80	17.5	16.75	17.5	16.80	17.5
20	256QAM	1	0	3.52	5	3.38	5	13.83	15.5	13.87	15.5	13.94	15.5	13.82	15.5
20	256QAM	1	49	3.43	5	3.30	5	13.88	15.5	13.71	15.5	13.70	15.5	13.71	15.5
20	256QAM	50	0	3.68	5	13.81	15.5	13.74	15.5	13.74	15.5	13.74	15.5	13.74	15.5
20	256QAM	50	0	3.68	5	3.47	5	13.53	15.5	13.63	15.5	13.72	15.5	13.80	15.5
20	256QAM	50	24	3.84	5	13.30	15.5	13.55	15.5	13.83	15.5	13.65	15.5	13.88	15.5
20	256QAM	50	50	3.85	5	13.89	15.5	13.74	15.5	13.75	15.5	13.81	15.5	13.81	15.5
20	256QAM	100	0	6.68	1	16.35	17	14.84	15.5	14.88	15.5	14.88	15.5	14.88	15.5
Channel															
Frequency (MHz)				56110	56110	56110	56110	56110	56110	56110	56110	56110	56110	56110	56110
15	QPSK	1	0	4.64	6	6.01	6	19.08	20.5	18.54	20.5	18.54	20.5	18.53	20.5
15	QPSK	1	37	8.43	10	18.17	20.5	18.72	20.5	18.80	20.5	18.80	20.5	18.80	20.5
15	QPSK	1	74	4.65	6	18.10	20.5	19.09	20.5	18.80	20.5	18.80	20.5	18.80	20.5
15	QPSK	36	0	7.76	9	18.04	19.5	17.96	19.5	17.85	19.5	17.85	19.5	17.85	19.5
15	QPSK	36	20	7.68	9	18.10	19.5	18.22	19.5	18.04	19.5	18.04	19.5	18.04	19.5
15	QPSK	36	35	7.68	9	18.35	19.5	18.25	19.5	17.76	19.5	17.76	19.5	17.76	19.5
15	QPSK	75	0	6.69	6	17.96	19.5	18.06	19.5	17.85	19.5	17.85	19.5	17.85	19.5
15	16QAM	1	0	3.71	5	18.02	19.5	18.13	19.5	18.08	19.5	18.08	19.5	18.08	19.5
15	16QAM	1	37	7.66	9	17.99	19.5	17.99	19.5	17.81	19.5	17.81	19.5	17.81	19.5
15	16QAM	1	74	6.67	8	18.12	19.5	18.13	19.5	17.77	19.5	17.77	19.5	17.77	19.5
15	16QAM	50	0	6.76	8	18.04	19.5	18.04	19.5	17.85	19.5	17.85	19.5	17.85	19.5
15	16QAM	36	20	6.67	8	17.96	19.5	18.06	19.5	17.98	19.5	17.98	19.5	17.98	19.5
15	16QAM	36	35	6.65	8	17.25	18.5	17.22	18.5	17.06	18.5	17.06	18.5	17.06	18.5
15	16QAM	75	0	6.73	8	17.96	19.5	18.06	19.5	17.85	19.5	17.85	19.5	17.85	19.5
15	64QAM	1	0	3.51	4	17.83	18.5	18.01	18.5	17.74	18.5	17.74	18.5	17.74	18.5
15	64QAM	1	37	7.63	9	18.12	18.5	17.81	18.5	17.61	18.5	17.61	18.5	17.61	18.5
15	64QAM	1	74	6.67	8	17.96	19.5	18.06	19.5	17.85	19.5	17.85	19.5	17.85	19.5
15	64QAM	36	0	6.74	8	17.12	17.5	16.96	17.5	17.05	17.5	17.05	17.5	17.05	17.5
15	64QAM	36	20	6.87	8	17.12	17.5	17.21	17.5	17.31	17.5	17.31	17.5	17.31	17.5
15	64QAM	75	0	6.64	8	17.96	19.5	17.96	19.5	17.85	19.5	17.85	19.5	17.85	19.5
15	64QAM	75	0	4.70	6	18.04	19.5	18.07	19.5	17.93	19.5	17.93	19.5	17.93	19.5
15	256QAM	1	0	-0.47	1	14.24	15.5	14.00	15.5	13.97	15.5	13.97	15.5	13.97	15.5
15	256QAM	1	37	3.48	5	14.20	15.5	13.96	15.5	13.71	15.5	13.71	15.5	13.71	15.5
15	256QAM	75	0	6.64	1	14.20	15.5	14.20	15.5	14.02	15.5	14.02	15.5	14.02	15.5
15	256QAM	36	0	3.72	5	14.22	15.5	13.87	15.5	13.83	15.5	13.83	15.5	13.83	15.5
15	256QAM	36	20	3.64	5	14.07	15.5	14.01	15.5	14.08	15.5	14.08	15.5	14.08	15.5
15	256QAM	75	0	3.64	5	14.07	15.5	14.01	15.5	14.08	15.5	14.08	15.5	14.08	15.5
15	256QAM	75	0	1.64	2	15.02	15.5	15.10	15.5	15.04	15.5	15.04	15.5	15.04	15.5
Channel															
Frequency (MHz)				56150	56150	56150	56150	56150	56150	56150	56150	56150	56150	56150	56150
10	QPSK	1	0	8.87	10	19.12	20.5	19.26	20.5	8.75	10	8.75	10	8.75	10
10	QPSK	1	25	8.80	10	19.30	20.5	19.14	20.5	8.62	10	8.62	10	8.62	10
10	QPSK	1	49	8.69	10	19.12	20.5	19.32	20.5	8.79	10	8.79	10	8.79	10
10	QPSK	12	0	7.89	9	18.96	19.5	18.10	19.5	7.80	9	7.80	9	7.80	9
10	QPSK	25	12	7.91	9	18.84	19.5	18.42	19.5	7.80	9	7.80	9	7.80	9
10	QPSK	25	25	7.83	9	18.48	19.5	18.29	19.5	7.80	9	7.80	9	7.80	9
10	QPSK	25	0	8.43	10	18.45	19.5	18.11	19.5	7.84	10	7.84	10	7.84	10
10	16QAM	1	0	7.94	9	18.60	19.5	18.19	19.5	7.67	9	7.67	9	7.67	9
10	16QAM	1	25	7.86	9	18.20	19.5	18.29	19.5	7.80	9	7.80	9	7.80	9
10	16QAM	1	49	8.40	10	18.61	19.5	18.16	19.5	7.76	10	7.76	10	7.76	10
10	16QAM	25	0	6.95	8	17.16	17.5	17.05	17.5	6.85	8	6.85	8	6.85	8
10	16QAM	25	12	6.95	8	17.27	17.5	17.46	18.5	6.95	8	6.95	8	6.95	8
10	16QAM	25	25	6.81	8	17.55	17.5	17.30	17.5	6.95	8	6.95	8	6.95	8
10	16QAM	50	0	6.83	8	17.52	18.5	17.16	18.5	6.83	8	6.83	8	6.83	8
10	16QAM	1	0	7.79	9	18.20	19.5	18.25	19.5	6.84	9	6.84	9	6.84	9
10	64QAM	1	25	7.73	8	18.48	19.5	18.33	19.5	6.93	8	6.93	8	6.93	8
10	64QAM	1	49	6.82	8	18.06	19.5	18.06	19.5	7.11	9	7.11	9	7.11	9
10	64QAM	25	0	6.91	8	17.52	17.5	17.35	17.5	6.95	8	6.95	8	6.95	8
10	64QAM	25	12	6.88	8	17.48	17.5	17.26	17.5	6.95	8	6.95	8	6.95	8
10	64QAM	25	25	6.83	8	17.40	17.5	17.38	17.5	6.90	8	6.90	8	6.90	8
10	64QAM	50	0	6.82	8	17.31	17.5	17.41	17.5	6.81	8	6.81	8	6.81	8
10	256QAM	1	0	3.88	5	14.20	15.5	13.96	15.5	3.81	5	3.81	5	3.81	5
10	256QAM	1	25	3.88	5	14.34	15.5	14.25	15.5	3.97	5	3.97	5	3.97	5
10	256QAM	1	49	3.55	5	14.20	15.5	14.02	15.5	3.73	5	3.73	5	3.73	5
10	256QAM	25	0	3.88	5	14.33	15.5	14.00	15.5	3.82	5	3.82	5	3.82	5
10	256QAM	2													



WWAN Power for State 13&14

Band 48(Part 96)_Ant 7													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq)	Turn-up time (dBm)	Power Low Ch. 2 (Freq)	Turn-up time (dBm)	Power Low Ch. 3 (Freq)	Turn-up time (dBm)	Power High Middle Ch. 1 (Freq)	Turn-up time (dBm)	Power High Middle Ch. 2 (Freq)	Turn-up time (dBm)
Channel Frequency (MHz)													
Channel				55560		55640		55720		55800		55880	
Frequency (MHz)				55600	3672.2	55680	3600	55760	3600	55840	3600	55920	3600
20	QPSK	1	0	4.64	6	5.61	6	20.57	22	20.58	22	20.29	22
20	QPSK	1	40	4.64	6	5.61	6	20.57	22	20.58	22	20.29	22
20	QPSK	1	90	4.51	6	5.48	6	20.42	22	20.11	22	4.47	6
20	QPSK	50	0	7.66	9	7.61	9	23.56	25	23.27	25	23.30	25
20	QPSK	50	24	7.66	9	7.61	9	23.56	25	23.27	25	23.30	25
20	QPSK	50	50	7.56	9	7.56	9	23.56	25	23.27	25	23.30	25
20	QPSK	100	0	4.68	6	20.76	22	20.64	22	20.20	22	20.31	22
20	HSKAM	1	0	3.58	5	4.18	6	19.66	21	19.02	21	19.19	21
20	HSKAM	1	40	7.54	9	7.54	9	23.69	25	23.14	25	23.17	25
20	HSKAM	1	90	3.47	5	19.37	21	19.20	21	19.20	21	3.31	5
20	HSKAM	50	0	6.68	8	6.68	8	22.56	24	22.24	24	22.26	24
20	HSKAM	50	24	6.71	8	6.71	8	22.76	24	22.46	24	22.46	24
20	HSKAM	50	50	6.59	8	6.59	8	22.76	24	22.58	24	22.51	24
20	HSKAM	100	0	3.58	5	19.74	21	19.61	21	19.22	21	22.32	24
20	HSKAM	1	0	2.61	5	19.61	21	19.61	21	19.22	21	22.32	24
20	HSKAM	1	40	6.76	8	7.85	9	23.60	24	23.30	24	23.33	25
20	HSKAM	1	90	2.63	4	19.86	21	19.52	20	19.20	20	3.26	5
20	HSKAM	50	0	5.70	7	6.77	8	22.57	23	21.23	23	21.31	23
20	HSKAM	50	24	5.65	7	6.77	8	22.57	23	21.23	23	21.31	23
20	HSKAM	50	50	5.60	7	6.77	8	22.57	23	21.23	23	21.31	23
20	HSKAM	100	0	2.68	4	19.60	21	19.65	20	19.23	20	19.33	21
20	HSKAM	1	0	3.52	5	19.50	17	19.23	17	19.23	17	19.23	17
20	HSKAM	1	40	3.43	5	19.07	21	19.11	21	19.25	21	19.16	21
20	HSKAM	1	90	-0.62	1	19.23	17	19.14	17	19.14	17	19.21	21
20	HSKAM	50	0	6.68	8	6.68	8	22.56	24	22.24	24	22.26	24
20	HSKAM	50	24	3.64	5	19.38	21	19.16	21	19.25	21	19.33	21
20	HSKAM	50	50	3.56	5	19.26	21	19.22	21	19.39	21	3.44	5
20	HSKAM	100	0	6.68	8	19.30	17	19.20	17	19.16	17	19.34	17
Channel Frequency (MHz)													
Channel				55515	Turn-up time (dBm)	55595	Turn-up time (dBm)	55675	Turn-up time (dBm)	55755	Turn-up time (dBm)	55835	Turn-up time (dBm)
Frequency (MHz)				55575		55655		55735		55815		55895	
15	QPSK	1	0	4.64	6	30.49	22	20.35	22	20.45	22	20.45	22
15	QPSK	1	37	4.64	6	30.49	22	20.35	22	20.45	22	20.45	22
15	QPSK	1	74	4.65	6	20.32	22	20.38	22	2.48	6	2.48	6
15	QPSK	36	0	7.75	9	23.70	25	23.57	25	23.58	25	23.58	25
15	QPSK	36	36	7.75	9	23.70	25	23.57	25	23.58	25	23.58	25
15	QPSK	36	50	7.68	9	23.68	25	23.63	25	7.76	9	7.76	9
15	QPSK	75	0	5.68	6	21.59	22	21.58	22	21.65	22	21.65	22
15	QPSK	1	0	7.75	9	19.60	21	19.61	21	19.61	21	19.61	21
15	HSKAM	1	37	7.66	9	23.67	25	23.56	25	7.61	9	7.61	9
15	HSKAM	1	74	3.67	5	19.66	21	19.45	21	3.77	5	3.77	5
15	HSKAM	36	0	6.73	8	22.74	24	22.57	24	22.59	24	22.59	24
15	HSKAM	36	36	6.73	8	22.74	24	22.57	24	22.59	24	22.59	24
15	HSKAM	36	50	6.65	8	22.67	24	22.52	24	22.72	24	22.72	24
15	HSKAM	75	0	4.73	5	20.63	21	20.61	21	20.64	21	20.64	21
15	HSKAM	1	37	7.63	9	23.55	24	23.34	24	7.61	9	7.61	9
15	HSKAM	1	74	3.67	4	19.57	20	19.31	20	3.74	5	3.74	5
15	HSKAM	36	0	6.77	8	22.64	24	22.51	24	22.57	24	22.57	24
15	HSKAM	36	36	6.67	8	22.57	23	22.63	23	22.68	23	22.68	23
15	HSKAM	36	50	6.64	8	22.70	23	22.63	23	6.77	8	6.77	8
15	HSKAM	75	0	4.70	5	20.62	21	20.56	21	20.69	21	20.69	21
15	HSKAM	1	37	3.48	5	19.66	21	19.47	21	3.50	5	3.50	5
15	HSKAM	1	74	-0.47	1	19.66	21	19.69	21	-0.32	1	-0.32	1
15	HSKAM	36	0	6.70	8	22.70	23	22.61	23	22.68	23	22.68	23
15	HSKAM	36	36	3.64	5	19.69	21	19.64	21	19.67	21	19.67	21
15	HSKAM	36	50	3.65	5	19.67	21	19.64	21	3.76	5	3.76	5
15	HSKAM	75	0	1.64	2	17.44	16	17.44	16	17.72	16	17.72	16
Channel Frequency (MHz)													
Channel				55500	Turn-up time (dBm)	55580	Turn-up time (dBm)	55660	Turn-up time (dBm)	55740	Turn-up time (dBm)	55820	Turn-up time (dBm)
Frequency (MHz)				55560		55640		55720		55800		55880	
10	QPSK	1	0	8.67	10	24.77	26	24.72	26	8.72	10	8.72	10
10	QPSK	1	20	8.80	10	24.73	26	24.65	26	8.79	10	8.79	10
10	QPSK	25	0	7.89	9	23.87	25	23.68	25	7.82	9	7.82	9
10	QPSK	25	25	7.81	9	23.80	25	23.71	25	7.89	9	7.89	9
10	QPSK	25	50	7.83	9	23.89	25	23.75	25	7.90	9	7.90	9
10	QPSK	50	0	7.63	9	23.84	25	23.76	25	7.84	9	7.84	9
10	QPSK	50	25	7.84	9	23.83	25	23.66	25	7.87	9	7.87	9
10	QPSK	1	20	7.76	9	23.87	25	23.66	25	7.80	9	7.80	9
10	QPSK	1	40	7.67	9	23.90	25	23.72	25	7.87	9	7.87	9
10	QPSK	25	0	6.95	8	22.84	23	22.72	23	6.95	8	6.95	8
10	QPSK	25	25	6.99	8	22.84	23	22.84	23	6.95	8	6.95	8
10	QPSK	25	50	6.81	8	22.77	23	22.77	23	6.81	8	6.81	8
10	QPSK	50	0	6.63	8	22.89	23	22.72	23	6.63	8	6.63	8
10	QPSK	1	0	7.79	9	23.71	25	23.71	25	7.84	9	7.84	9
10	QPSK	1	20	7.75	8	23.91	24	23.69	24	7.73	8	7.73	8
10	QPSK	1	40	7.62	8	23.73	24	23.61	24	7.71	8	7.71	8
10	QPSK	25	0	6.81	8	22.88	23	22.66	23	6.80	8	6.80	8
10	QPSK	25	25	6.88	8	22.93	23	22.76	23	6.83	8	6.83	8
10	QPSK	25	50	6.63	8	22.86	23	22.75	23	6.63	8	6.63	8
10	QPSK	50	0	3.88	5	19.81	17	19.65	17	3.88	5	3.88	5
10	QPSK	1	20	3.86	5	19.77	21	19.62	21	3.87	5	3.87	5
10	QPSK	1	40	3.55	5	19.74	21	19.65	21	3.73	5	3.73	5
10	QPSK	25	0	3.80	5	19.86	19	19.66	19	3.82	5	3.82	5
10	QPSK	25	25	3.58	5	19.92	21	19.79	21	3.94	5	3.94	5
10	QPSK	25	50	3.31	5	19.89	21	19.77	21	3.94	5	3.94	5
10	QPSK	50	0	3.31	5	19.89	21	19.82	21	3.86	5	3.86	5
Channel Frequency (MHz)													
Channel				55505	Turn-up time (dBm)	55585	Turn-up time (dBm)	55665	Turn-up time (dBm)	55745	Turn-up time (dBm)	55825	Turn-up time (dBm)
Frequency (MHz)				55565		55645		55725		55805		55885	
5	QPSK	1	0	8.75	10	24.82	26	24.63	26	8.70	10	8.70	10
5	QPSK	1	12	8.83	10	24.83	26	24.61	26	8.80	10	8.80	10
5	QPSK	1	24	8.80	10	24.69	26	24.69	26	8.81	10	8.81	10
5	QPSK	12	0	7.89	9	23.87	25	23.74	25	7.88	9	7.88	9
5	QPSK	12	7	7.82	9	23.80	25	23.73	25	7.90	9	7.90	9
5	QPSK	12	13	7.51	9	23.87	25	23.74	25	7.51	9	7.51	9
5	QPSK	25	0	7.50	9	23.84	25	23.74	25	7.88	9	7.88	9
5	QPSK	1	0	7.88	9	23.81	25	23.74	25	7.82	9	7.82	9
5	QPSK	1	12	7.86	9	23.77	25	23.78	25	7.81	9	7.81	9
5	QPSK	1	24	7.87	9	23.83	25	23.83	25	7.77	9	7.77	9
5	QPSK	12	0	6.90	8	22.84	23	22.82	23	6.87	8	6.87	8
5	QPSK	12	7	6.92	8	22.90	23	22.81	23	6.92	8	6.92	8
5	QPSK	12	13	6.81	8	22.97	24	22.72	24	6.83	8	6.83	8
5	QPSK	25	0	6.69	8	22.86	23	22.86	23	6.62	8	6.62	8
5	QPSK	1	0	7.72	9	23.73	25	23.73	25	7.72	9	7.72	9
5	QPSK	1	12	7.50	8	23.88	24	23.78	24	7.54	8	7.54	8
5	QPSK	1	24	7.72	9	23.75	25	23.64	25	7.72	9		

Band 48(Part 96)_Ant 9															
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Turnup time (s)	Power Low Ch / Freq	Power High Ch / Freq	Turnup time (s)	Power Low Ch / Freq	Power High Ch / Freq	Turnup time (s)	Power Low Ch / Freq	Power High Ch / Freq	Turnup time (s)
Frequency (MHz)				56340	56340	56340	56340	56340	56340	56340	56340	56340	56340	56340	56340
Channel				56340	56340	56340	56340	56340	56340	56340	56340	56340	56340	56340	56340
20	QPSK	1	0	4.64	8	5.01	6	19.51	21	19.11	21	19.32	21	19.30	21
20	QPSK	1	49	3.52	10	8.87	10	19.02	21	19.32	21	19.32	21	19.36	21
20	QPSK	1	99	4.51	6	12.41	21	19.59	21	19.00	21	19.00	21	6	8.42
20	QPSK	1	786	9	7.91	9	18.09	20	18.09	20	18.09	20	18.09	20	18.13
20	QPSK	50	24	7.01	9	18.01	20	18.14	20	18.12	20	18.23	20	18.03	20
20	QPSK	50	756	9	18.52	20	18.39	20	18.39	20	18.21	20	7.47	9	7.48
20	QPSK	50	150	4.68	6	18.55	20	18.58	20	18.14	20	18.28	20	18.13	20
20	16QAM	1	0	3.58	5	4.18	6	18.81	20	18.22	20	18.23	20	18.34	20
20	16QAM	1	49	7.54	9	7.88	9	18.67	20	18.24	20	17.56	20	18.32	20
20	16QAM	1	99	3.47	5	18.88	20	18.81	20	18.26	20	3.71	5	7.42	9
20	16QAM	1	589	9	6.88	9	6.88	9	17.39	19	17.37	19	17.24	19	17.34
20	16QAM	50	24	6.71	8	17.92	19	17.83	19	17.03	19	17.43	19	17.40	19
20	16QAM	50	58	6.59	8	17.89	19	17.42	19	17.03	19	17.43	8	8.48	8
20	16QAM	50	150	3.88	5	17.86	19	17.52	19	17.32	19	17.32	19	17.32	19
20	16QAM	1	0	2.81	4	3.83	5	18.50	19	17.15	19	17.21	19	17.32	19
20	16QAM	1	49	6.78	8	7.85	8	18.51	19	17.12	19	17.40	19	17.17	19
20	16QAM	1	99	2.81	4	17.86	19	18.55	19	17.11	19	2.88	4	17.12	19
20	16QAM	50	0	6.70	7	6.77	8	17.81	18	18.30	18	18.33	18	17.12	18
20	16QAM	50	24	6.65	7	16.60	18	17.45	18	16.35	18	16.40	18	17.44	18
20	16QAM	50	99	5.60	7	16.50	18	17.54	18	16.18	18	5.45	7	6.42	8
20	16QAM	50	0	2.68	4	16.90	18	17.59	18	16.16	18	16.25	18	16.15	18
20	256QAM	1	0	3.82	5	-0.58	1	14.26	16	14.17	16	14.33	16	14.26	16
20	256QAM	1	49	3.43	5	3.33	5	14.02	16	14.07	16	14.28	16	14.08	16
20	256QAM	1	99	4.96	-0.62	1	14.16	16	14.24	16	14.24	16	14.18	16	14.18
20	256QAM	50	0	3.68	5	3.41	5	14.15	16	14.04	16	14.21	16	14.24	16
20	256QAM	50	24	3.64	5	14.39	16	14.08	16	14.11	16	14.23	16	14.38	16
20	256QAM	50	99	3.55	5	14.16	16	14.17	16	14.14	16	14.46	16	3.44	5
20	256QAM	50	150	3.68	1	15	15	15.11	16	15.16	16	15.16	16	15.16	16
Frequency (MHz)				56316	56316	56316	56316	56316	56316	56316	56316	56316	56316	56316	56316
Channel				56316	56316	56316	56316	56316	56316	56316	56316	56316	56316	56316	56316
15	QPSK	1	0	4.64	8	5.01	6	19.51	21	19.11	21	19.32	21	19.30	21
15	QPSK	1	37	8.83	10	8	19.02	21	19.32	21	19.32	21	19.36	21	19.36
15	QPSK	1	74	4.64	6	8	18.51	19	18.51	19	18.51	19	18.51	19	18.51
15	QPSK	36	0	7.75	9	7.75	9	18.73	19	18.73	19	18.73	19	18.73	19
15	QPSK	36	37	7.88	9	7.88	9	18.89	20	18.89	20	18.71	20	18.71	20
15	QPSK	36	39	7.68	9	7.68	9	18.64	20	18.65	20	7.76	9	7.76	9
15	QPSK	75	0	5.88	6	18.88	20	19.49	20	19.74	20	18.58	20	18.58	20
15	1	1	37	1	1	1	18.84	20	18.83	20	18.83	20	18.77	20	18.77
15	16QAM	1	37	7.65	9	7.65	9	18.59	20	18.41	20	7.61	9	7.61	9
15	16QAM	1	74	3.67	5	3.67	5	18.83	20	18.40	20	3.77	5	3.77	5
15	16QAM	36	0	6.76	8	6.76	8	18.49	19	17.89	19	17.61	19	17.61	19
15	16QAM	36	20	6.67	8	6.67	8	18.73	19	17.46	19	17.77	19	17.77	19
15	16QAM	36	39	8.05	8	8.05	8	17.62	19	17.77	19	6.78	8	6.78	8
15	16QAM	75	0	4.73	5	4.73	5	18.53	19	18.54	19	18.81	19	18.81	19
15	16QAM	1	37	1	1	1	18.51	19	18.47	19	18.48	19	18.48	19	18.48
15	16QAM	1	37	7.63	9	7.63	9	18.53	19	18.30	19	7.61	9	7.61	9
15	16QAM	1	74	3.67	4	3.67	4	18.51	19	18.35	19	3.74	5	3.74	5
15	16QAM	36	0	6.76	8	6.76	8	17.76	18	17.76	18	17.76	18	17.76	18
15	16QAM	36	20	6.67	8	6.67	8	17.89	18	17.71	18	17.58	18	17.58	18
15	16QAM	36	39	8.64	8	8.64	8	17.81	18	17.64	18	6.77	8	6.77	8
15	16QAM	75	0	4.70	6	4.70	6	17.48	18	17.41	18	17.59	18	17.59	18
15	1	1	37	1	1	1	18.53	19	18.45	19	18.45	19	18.45	19	18.45
15	256QAM	1	37	3.48	5	3.48	5	14.86	16	14.67	16	3.71	5	3.71	5
15	256QAM	1	74	-0.47	1	-0.47	1	14.88	16	14.65	16	-0.32	1	-0.32	1
15	256QAM	36	0	3.72	5	3.72	5	14.77	16	14.44	16	3.45	5	3.45	5
15	256QAM	36	20	3.64	5	3.64	5	14.86	16	14.68	16	14.86	16	14.86	16
15	256QAM	36	39	3.65	5	3.65	5	14.71	16	14.52	16	3.76	5	3.76	5
15	256QAM	75	0	1.84	2	1.84	2	15.42	16	15.42	16	15.46	16	15.46	16
Frequency (MHz)				56305	56305	56305	56305	56305	56305	56305	56305	56305	56305	56305	56305
Channel				56305	56305	56305	56305	56305	56305	56305	56305	56305	56305	56305	56305
10	QPSK	1	0	8.87	10	8.87	10	19.73	21	19.73	21	19.87	21	8.75	10
10	QPSK	1	8	8.87	10	8.87	10	19.79	21	19.83	21	19.83	21	8.82	10
10	QPSK	1	49	8.69	9	8.69	9	19.70	19	19.58	19	8.79	9	8.79	9
10	QPSK	25	0	7.89	9	7.89	9	19.03	18	18.76	18	7.82	9	7.82	9
10	QPSK	25	12	7.91	9	7.91	9	18.81	18	18.72	18	7.90	9	7.90	9
10	QPSK	25	15	7.83	9	7.83	9	18.83	18	18.87	18	7.86	9	7.86	9
10	QPSK	50	0	7.83	9	7.83	9	19.02	18	18.74	18	7.84	9	7.84	9
10	16QAM	1	0	7.84	9	7.84	9	18.95	18	18.81	18	7.87	9	7.87	9
10	16QAM	1	786	7.88	9	7.88	9	19.22	18	19.03	18	7.86	9	7.86	9
10	16QAM	1	49	7.87	9	7.87	9	18.90	18	18.59	18	7.78	9	7.78	9
10	16QAM	25	0	6.95	10	6.95	10	17.88	17	17.88	17	6.80	10	6.80	10
10	16QAM	25	12	6.98	10	6.98	10	17.84	17	17.84	17	6.86	10	6.86	10
10	16QAM	25	15	6.85	10	6.85	10	17.69	17	17.69	17	6.95	10	6.95	10
10	16QAM	50	0	6.93	10	6.93	10	17.76	17	17.68	17	6.83	10	6.83	10
10	16QAM	1	0	7.78	9	7.78	9	18.59	18	18.56	18	6.84	9	6.84	9
10	16QAM	1	773	7.73	8	7.73	8	18.56	18	18.35	18	6.86	9	6.86	9
10	16QAM	1	49	7.52	9	7.52	9	18.78	18	18.54	18	7.11	9	7.11	9
10	16QAM	25	0	6.91	10	6.91	10	17.67	17	17.58	17	5.80	10	5.80	10
10	16QAM	25	12	6.98	10	6.98	10	17.69	17	17.69	17	6.86	10	6.86	10
10	16QAM	25	15	6.83	10	6.83	10	17.87	17	17.76	17	5.93	7	5.93	7
10	16QAM	50	0	6.82	10	6.82	10	17.62	17	17.64	17	6.81	10	6.81	10
10	256QAM	1	0	3.88	5	3.88	5	14.76	16	14.59	16	3.81	5	3.81	5
10	256QAM	1	388	3.88	1	3.88	1	14.75	16	14.72	16	3.87	1	3.87	1
10	256QAM	1	49	3.55	5	3.55	5	14.77	16	14.48	16	3.73	5	3.73	5
10	256QAM	25	0	3.90	10	3.90	10	14.72	16	14.67	16	3.84	10	3.84	10
10	256QAM	25	12	3.95	10	3.95	10	14.68	16	14.62	16	3.82	10	3.82	10
10	256QAM	25	15	3.88	10	3.88	10	14.83	16	14.63	16	3.94	5	3.94	5
10	256QAM	50	0	3.81	10	3.81	10	15.06	16	14.96	16	3.86	10	3.86	10
Frequency (MHz)				56286	56286	56286	56286	56286	56286	56286	56286	56286	56286	56286	56286
Channel				56286	56286	56286	56286	56286	56286	56286	56286	56286	56286	56286	56286
5	QPSK	1	0	8.79	10	8.79	10	19.80	21	19.58	21	8.70	10	8.70	10
5	QPSK	1	12	8.83	10	8.83	10								

Band 48(Part 96)_Ant 10															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / (Freq)	Turn-up time (dB)	Power Low Ch / (Freq)	Turn-up time (dB)	Power Low Ch / (Freq)	Turn-up time (dB)	Power Low Mode Ch / (Freq)	Turn-up time (dB)	Power High Mode Ch / (Freq)	Turn-up time (dB)	Power High Ch / (Freq)	Turn-up time (dB)
Channel 55340															
Frequency (MHz)				55340	55340	55340	55340	55340	55340	55340	55340	55340	55340	55340	55340
20	QPSK	1	0	4.64	8	5.01	8	20.57	22	20.52	22	20.20	22	24.23	26
20	QPSK	1	49	3.55	10	8.87	10	24.57	26	24.55	26	24.00	26	24.56	26
20	QPSK	1	99	4.51	6	22.40	22	20.42	22	20.11	22	24.47	26	8.44	10
20	QPSK	1	149	7.86	9	7.81	9	23.58	25	23.12	25	23.27	25	23.34	25
20	QPSK	50	24	7.03	9	23.74	25	23.19	25	23.70	26	23.02	25	23.84	26
20	QPSK	50	74	7.56	9	23.88	25	23.58	25	23.13	25	7.47	9	7.48	9
20	QPSK	50	124	4.68	10	20.76	22	20.64	22	20.24	22	20.73	22	23.76	26
20	16QAM	1	0	3.58	5	4.18	6	19.68	21	19.02	21	19.10	21	23.31	23
20	16QAM	1	49	7.54	5	7.88	9	23.66	25	23.07	25	23.34	25	23.37	26
20	16QAM	1	99	3.47	5	18.87	21	19.05	21	19.20	21	3.31	5	7.42	6
20	16QAM	1	149	6.88	9	6.88	9	22.26	24	22.24	24	22.26	24	22.25	24
20	16QAM	50	24	6.71	8	25.76	24	22.66	24	22.24	24	6.23	8	25.55	24
20	16QAM	50	74	6.58	8	26.76	24	22.58	24	22.16	24	6.43	8	26.46	8
20	16QAM	50	124	3.58	10	19.74	21	19.81	21	19.82	21	19.82	21	23.52	24
20	64QAM	1	0	2.81	4	3.03	5	19.57	20	19.10	20	18.20	20	23.24	24
20	64QAM	1	49	6.76	8	7.85	8	23.60	24	23.30	24	22.47	24	23.33	26
20	64QAM	1	99	2.61	9	18.86	21	19.10	21	19.10	21	2.39	4	3.29	5
20	64QAM	50	0	6.70	7	6.77	8	22.57	23	21.23	23	21.30	23	22.25	23
20	64QAM	50	24	6.66	7	22.67	24	22.68	23	21.20	23	21.30	23	22.31	23
20	64QAM	50	74	5.60	7	22.73	24	22.56	23	21.22	23	5.45	7	6.42	8
20	64QAM	50	124	2.68	9	19.80	21	19.85	20	19.23	20	19.31	20	19.33	21
20	256QAM	1	0	3.52	5	4.08	1	15.20	17	15.23	17	15.26	17	15.31	17
20	256QAM	1	49	3.43	5	3.33	5	19.07	21	19.11	21	19.15	21	19.16	21
20	256QAM	1	99	4.03	5	15.23	17	15.14	17	15.16	17	15.26	17	15.27	17
20	256QAM	50	0	3.48	5	3.41	5	19.17	21	19.26	21	19.25	21	19.26	21
20	256QAM	50	24	3.64	5	19.38	21	19.18	21	19.21	21	19.21	21	19.34	21
20	256QAM	50	74	3.55	5	19.26	21	19.22	21	19.18	21	19.35	21	3.44	5
20	256QAM	50	124	3.66	5	19.35	17	19.20	17	19.29	17	19.34	17	19.34	17
Channel 55316															
Frequency (MHz)				55316	55316	55316	55316	55316	55316	55316	55316	55316	55316	55316	55316
15	QPSK	1	0	4.64	8	5.01	8	20.57	22	20.52	22	20.45	22	24.23	26
15	QPSK	1	37	8.83	10	8.83	10	24.57	26	24.55	26	24.48	26	8.60	10
15	QPSK	1	74	4.64	6	6	6	20.52	22	20.38	22	20.20	22	24.23	26
15	QPSK	50	0	7.75	9	7.75	9	23.71	25	23.67	25	23.69	25	23.68	25
15	QPSK	50	37	7.86	9	7.86	9	23.89	25	23.87	25	23.89	25	23.89	25
15	QPSK	36	39	7.68	9	7.68	9	23.66	25	23.63	25	23.65	25	7.76	9
15	QPSK	36	75	5.58	6	5.58	6	21.59	22	21.58	22	21.65	22	21.65	22
15	QPSK	1	37	1	1	1	1	19.04	19	19.03	19	19.04	19	19.04	19
15	16QAM	1	37	7.66	9	7.66	9	23.67	25	23.66	25	23.69	25	7.61	9
15	16QAM	1	74	3.67	5	3.67	5	19.86	21	19.85	21	19.87	21	3.77	5
15	16QAM	36	39	6.76	9	6.76	9	23.74	25	23.73	25	23.76	25	6.76	9
15	16QAM	36	75	6.67	8	6.67	8	23.72	24	23.70	24	23.72	24	6.67	8
15	16QAM	36	39	6.65	8	6.65	8	23.67	24	23.65	24	23.68	24	6.78	8
15	16QAM	36	75	6.473	5	6.473	5	20.83	21	20.81	21	20.84	21	6.473	5
15	64QAM	1	37	3.51	4	3.51	4	19.42	20	19.40	20	19.37	20	3.51	4
15	64QAM	1	37	7.63	9	7.63	9	23.55	24	23.54	24	23.57	24	7.61	9
15	64QAM	1	74	3.67	4	3.67	4	19.87	20	19.81	20	19.84	20	3.74	5
15	64QAM	36	39	6.74	8	6.74	8	23.64	23	23.61	23	23.67	23	6.74	8
15	64QAM	36	75	6.67	8	6.67	8	23.77	23	23.63	23	23.68	23	6.67	8
15	64QAM	36	39	6.64	8	6.64	8	23.70	23	23.60	23	23.72	23	6.77	8
15	64QAM	75	0	4.70	6	4.70	6	21.58	22	21.56	22	21.69	22	4.70	6
15	256QAM	1	37	-0.47	1	-0.47	1	15.68	16	15.67	16	15.69	16	15.69	16
15	256QAM	1	37	3.48	5	3.48	5	19.63	21	19.57	21	19.61	21	3.71	5
15	256QAM	1	74	-0.47	1	-0.47	1	15.68	16	15.68	16	15.67	16	-0.32	1
15	256QAM	36	39	3.72	5	3.72	5	19.70	20	19.63	20	19.70	20	3.72	5
15	256QAM	36	75	3.64	5	3.64	5	19.69	21	19.64	21	19.67	21	3.64	5
15	256QAM	36	39	3.65	5	3.65	5	19.67	21	19.64	21	19.64	21	3.76	5
15	256QAM	75	0	3.64	5	3.64	5	17.68	18	17.66	18	17.72	18	3.64	5
Channel 55306															
Frequency (MHz)				55306	55306	55306	55306	55306	55306	55306	55306	55306	55306	55306	55306
10	QPSK	1	0	8.87	10	8.87	10	34.77	36	34.73	36	34.72	36	8.75	10
10	QPSK	1	49	8.87	10	8.87	10	34.74	36	34.74	36	34.74	36	8.83	10
10	QPSK	1	49	8.89	10	8.89	10	24.73	26	24.67	26	24.67	26	8.79	10
10	QPSK	25	0	7.60	9	7.60	9	23.81	25	23.77	25	23.79	25	7.50	9
10	QPSK	25	12	7.91	9	7.91	9	23.84	25	23.79	25	23.81	25	7.80	9
10	QPSK	25	12	7.83	9	7.83	9	23.89	25	23.79	25	23.81	25	7.80	9
10	QPSK	50	0	7.83	9	7.83	9	23.81	25	23.78	25	23.79	25	7.80	9
10	16QAM	1	0	7.84	9	7.84	9	23.81	25	23.79	25	23.79	25	7.67	9
10	16QAM	1	49	7.86	9	7.86	9	23.87	25	23.87	25	23.86	25	7.67	9
10	16QAM	1	49	7.87	9	7.87	9	23.90	25	23.72	25	23.76	25	7.76	9
10	16QAM	25	0	6.95	8	6.95	8	22.84	24	22.82	24	22.72	24	6.80	8
10	16QAM	25	12	6.99	8	6.99	8	22.84	24	22.84	24	22.78	24	6.88	8
10	16QAM	25	12	6.85	8	6.85	8	22.94	24	22.77	24	22.76	24	6.95	8
10	16QAM	50	0	6.83	8	6.83	8	20.86	22	20.73	22	20.73	22	6.83	8
10	64QAM	1	0	7.78	9	7.78	9	24.71	26	24.68	26	24.68	26	8.84	10
10	64QAM	1	7.73	9	7.73	9	24.81	26	24.81	26	24.81	26	8.83	10	
10	64QAM	1	49	7.52	8	7.52	8	23.73	25	23.65	25	23.65	25	7.11	9
10	64QAM	25	0	6.91	8	6.91	8	22.88	24	22.88	24	22.76	24	6.95	8
10	64QAM	25	12	6.98	8	6.98	8	22.88	24	22.88	24	22.76	24	6.95	8
10	64QAM	50	0	6.83	8	6.83	8	20.86	22	20.73	22	20.73	22	6.83	8
10	64QAM	50	0	6.82	8	6.82	8	20.86	22	20.73	22	20.73	22	6.83	8
10	256QAM	1	0	3.88	5	3.88	5	19.81	19	19.77	19	19.85	19	3.81	5
10	256QAM	1	3.86	5	3.86	5	19.77	19	19.77	19	19.82	19	3.81	5	
10	256QAM	1	49	3.55	5	3.55	5	19.74	19	19.65	19	19.73	19	3.73	5
10	256QAM	25	0	3.90	5	3.90	5	19.86	19	19.88	19	19.88	19	3.82	5
10	256QAM	25	12	3.98	5	3.98	5	19.82	19	19.82	19	19.82	19	3.84	5
10	256QAM	25	25	3.36	5	3.36	5	19.89	19	19.77	19	19.74	19	3.54	5
10	256QAM	50	0	3.81	5	3.81	5	19.85	19	19.82	19	19.82	19	3.86	5
Channel 55296															
Frequency (MHz)				55296	55296	55296	55296	55296	55296	55296	55296	55296	55296	55296	55296
5	QPSK	1	0	8.79	10	8.79	10	34.82	36	34.83	36	34.83	36	8.70	10
5	QPSK	1	12	8.83	10	8.83	10	34.83	36	34.81	36	34.81	36	8.80	10
5	QPSK	1	24	8.86	10	8.86	10	24.86	26	24.86	26	24.86	26	8.81	10
5	QPSK	12	0	7.89	9	7.89	9	23.87	25	23.74	25	23.76	25	7.86	9
5	QPSK	12	12	7.92	9	7.92	9	23.90	25	23.73	25	23.76	25	7.89</	



Full Power/Default Power for WWAN ENDC

Band 2_Ant 1										
RF BWP	Modulation	PRB Size	PRB Offset	Power Ch./PRB	Power Ch./PRB	Power Ch./PRB	Time-slot (sec)	MFR (dB)		
Channel										
Frequency (MHz)	1807.5	1800	1800.5	1800	1800	1800.5	Time-slot (sec)	MFR (dB)		
20	QPSK	1	0	24.46	24.37	24.30	26	0		
20	QPSK	1	49	24.36	24.36	24.30	26	0		
20	QPSK	1	99	24.36	24.36	24.31	26	0		
20	QPSK	50	5	23.47	23.37	23.48	24	2		
20	QPSK	50	24	23.47	23.37	23.48	24	2		
20	QPSK	50	50	23.47	23.41	23.53	25	1		
20	QPSK	100	0	23.49	23.42	23.55	25	1		
20	QPSK	100	0	23.49	23.46	23.52	25	1		
20	QPSK	1	49	23.53	23.57	23.59	25	1		
20	QPSK	1	99	23.58	23.61	23.63	25	1		
20	QPSK	50	24	22.54	22.45	22.58	24	2		
20	QPSK	50	50	22.48	22.41	22.57	24	2		
20	QPSK	100	0	22.52	22.43	22.55	24	2		
20	QPSK	1	0	22.69	22.64	22.63	24	2		
20	QPSK	1	49	22.78	22.69	22.85	24	2		
20	QPSK	1	99	22.82	22.74	22.92	24	2		
20	QPSK	50	5	21.48	21.39	21.51	23	3		
20	QPSK	50	24	21.53	21.45	21.59	23	3		
20	QPSK	50	50	21.47	21.41	21.55	23	3		
20	QPSK	100	0	21.51	21.42	21.55	23	3		
20	QPSK	1	0	19.81	19.75	19.79	21	5		
20	QPSK	1	49	19.85	19.89	19.72	21	5		
20	QPSK	1	99	19.88	19.71	19.53	21	5		
20	QPSK	50	5	19.85	19.77	19.83	21	5		
20	QPSK	50	24	19.87	19.87	19.88	21	5		
20	QPSK	50	50	19.85	19.73	19.58	21	5		
20	QPSK	100	0	19.82	19.76	19.48	21	5		
Channel										
Frequency (MHz)	1807.5	1800	1800.5	1800	1800	1800.5	Time-slot (sec)	MFR (dB)		
16	QPSK	1	0	24.38	24.32	24.43	26	0		
16	QPSK	1	37	24.33	24.40	24.43	26	0		
16	QPSK	1	74	24.30	24.30	24.48	26	0		
16	QPSK	36	5	23.44	23.38	23.49	25	1		
16	QPSK	36	24	23.43	23.41	23.57	25	1		
16	QPSK	36	50	23.38	23.41	23.58	25	1		
16	QPSK	75	0	23.41	23.41	23.57	25	1		
16	QPSK	1	0	23.47	23.47	23.59	25	1		
16	QPSK	1	37	23.68	23.67	23.78	25	1		
16	QPSK	1	74	23.58	23.62	23.78	25	1		
16	QPSK	36	5	22.47	22.48	22.53	24	2		
16	QPSK	36	24	22.45	22.43	22.58	24	2		
16	QPSK	36	50	22.43	22.44	22.57	24	2		
16	QPSK	75	0	22.61	22.65	22.66	24	2		
16	QPSK	1	0	22.67	22.65	22.72	24	2		
16	QPSK	1	37	22.87	22.86	22.90	24	2		
16	QPSK	1	74	22.87	22.86	22.92	24	2		
16	QPSK	36	5	21.48	21.38	21.51	23	3		
16	QPSK	36	24	21.44	21.44	21.58	23	3		
16	QPSK	36	50	21.46	21.41	21.59	23	3		
16	QPSK	75	0	21.42	21.44	21.58	23	3		
16	QPSK	1	0	19.88	19.79	19.58	21	5		
16	QPSK	1	37	19.88	19.81	19.45	21	5		
16	QPSK	1	74	19.80	19.70	19.54	21	5		
16	QPSK	36	5	19.47	19.72	19.71	21	5		
16	QPSK	36	24	19.48	19.88	19.88	21	5		
16	QPSK	36	50	19.48	19.45	19.52	21	5		
16	QPSK	75	0	19.38	19.71	19.44	21	5		
Channel										
Frequency (MHz)	1802.5	1800	1800	1802.5	1800	1800	Time-slot (sec)	MFR (dB)		
16	QPSK	1	0	24.38	24.35	24.49	26	0		
16	QPSK	1	37	24.33	24.34	24.52	26	0		
16	QPSK	1	74	24.27	24.27	24.48	26	0		
16	QPSK	36	5	23.37	23.38	23.50	25	1		
16	QPSK	36	24	23.46	23.44	23.59	25	1		
16	QPSK	36	50	23.37	23.37	23.52	25	1		
16	QPSK	75	0	23.41	23.40	23.56	25	1		
16	QPSK	1	0	23.79	23.82	23.85	25	1		
16	QPSK	1	37	23.69	23.70	23.87	25	1		
16	QPSK	1	74	23.48	23.70	23.91	25	1		
16	QPSK	36	5	22.42	22.38	22.52	24	2		
16	QPSK	36	24	22.48	22.38	22.58	24	2		
16	QPSK	36	50	22.41	22.39	22.58	24	2		
16	QPSK	75	0	22.57	22.54	22.71	24	2		
16	QPSK	1	0	22.57	22.57	22.78	24	2		
16	QPSK	1	37	22.84	22.84	22.78	24	2		
16	QPSK	1	74	22.84	22.84	22.78	24	2		
16	QPSK	36	5	21.38	21.38	21.51	23	3		
16	QPSK	36	24	21.45	21.44	21.60	23	3		
16	QPSK	36	50	21.39	21.38	21.53	23	3		
16	QPSK	75	0	21.42	21.39	21.56	23	3		
16	QPSK	1	0	19.88	19.79	19.58	21	5		
16	QPSK	1	37	19.88	19.79	19.54	21	5		
16	QPSK	1	74	19.48	19.70	19.43	21	5		
16	QPSK	36	5	19.47	19.72	19.71	21	5		
16	QPSK	36	24	19.48	19.88	19.88	21	5		
16	QPSK	36	50	19.48	19.45	19.52	21	5		
16	QPSK	75	0	19.38	19.71	19.44	21	5		
Channel										
Frequency (MHz)	1802.5	1800	1800.5	1802.5	1800	1800.5	Time-slot (sec)	MFR (dB)		
16	QPSK	1	0	24.38	24.35	24.49	26	0		
16	QPSK	1	37	24.33	24.34	24.52	26	0		
16	QPSK	1	74	24.27	24.27	24.48	26	0		
16	QPSK	36	5	23.37	23.38	23.50	25	1		
16	QPSK	36	24	23.46	23.44	23.59	25	1		
16	QPSK	36	50	23.37	23.37	23.52	25	1		
16	QPSK	75	0	23.41	23.40	23.56	25	1		
16	QPSK	1	0	23.79	23.82	23.85	25	1		
16	QPSK	1	37	23.69	23.70	23.87	25	1		
16	QPSK	1	74	23.48	23.70	23.91	25	1		
16	QPSK	36	5	22.42	22.38	22.52	24	2		
16	QPSK	36	24	22.48	22.38	22.58	24	2		
16	QPSK	36	50	22.41	22.39	22.58	24	2		
16	QPSK	75	0	22.57	22.54	22.71	24	2		
16	QPSK	1	0	22.57	22.57	22.78	24	2		
16	QPSK	1	37	22.84	22.84	22.78	24	2		
16	QPSK	1	74	22.84	22.84	22.78	24	2		
16	QPSK	36	5	21.38	21.38	21.51	23	3		
16	QPSK	36	24	21.45	21.44	21.60	23	3		
16	QPSK	36	50	21.39	21.38	21.53	23	3		
16	QPSK	75	0	21.42	21.39	21.56	23	3		
16	QPSK	1	0	19.88	19.79	19.58	21	5		
16	QPSK	1	37	19.88	19.79	19.54	21	5		
16	QPSK	1	74	19.48	19.70	19.43	21	5		
16	QPSK	36	5	19.47	19.72	19.71	21	5		
16	QPSK	36	24	19.48	19.88	19.88	21	5		
16	QPSK	36	50	19.48	19.45	19.52	21	5		
16	QPSK	75	0	19.38	19.71	19.44	21	5		



Band 5_Ant 0											
RF BPF	Modulation	RF Size	RF Offset	Power Ch./Freq.	Power Min./Ch./Freq.	Power Max./Ch./Freq.	Time-up (secs)	MFR (dB)			
Channel Frequency (MHz)											
500 836.5 846.5											
10	QPSK	1	5	24.47	24.51	24.58	20	0			
10	QPSK	1	25	24.47	24.51	24.58					
10	QPSK	1	45	24.47	24.58	24.64	25	1			
10	QPSK	25	5	23.53	23.55	23.67					
10	QPSK	25	12	23.53	23.55	23.75	25	1			
10	QPSK	25	25	23.58	23.63	23.71					
10	QPSK	50	5	23.59	23.66	23.68	25	1			
10	QPSK	50	12	23.60	23.65	23.64					
10	QPSK	1	25	23.57	23.64	23.69	25	1			
10	QPSK	1	45	23.50	24.02	24.09					
10	QPSK	25	12	22.63	22.60	22.71	24	2			
10	QPSK	25	25	22.65	22.69	22.78					
10	QPSK	50	5	22.72	22.69	22.85	24	2			
10	QPSK	1	45	22.76	22.83	22.85					
10	QPSK	1	25	22.72	22.69	22.85	24	2			
10	QPSK	1	45	22.76	22.83	22.85					
10	QPSK	25	12	21.05	21.01	21.70	23	3			
10	QPSK	25	12	21.07	21.03	21.71					
10	QPSK	25	25	21.08	21.08	21.74	21	5			
10	QPSK	50	5	21.01	21.07	21.70					
10	QPSK	1	5	19.02	19.03	19.04	21	5			
10	QPSK	1	25	19.01	19.04	19.02					
10	QPSK	1	45	19.08	19.06	19.11	21	5			
10	QPSK	25	5	19.27	19.36	19.03					
10	QPSK	25	12	19.08	19.30	19.02	21	5			
10	QPSK	25	25	19.08	19.36	19.08					
10	QPSK	50	5	19.04	19.37	19.05	21	5			
10	QPSK	50	12	19.04	19.37	19.05					
Channel Frequency (MHz)											
836.5 846.5 846.5											
5	QPSK	1	5	24.41	24.45	24.55	20	0			
5	QPSK	1	25	24.41	24.45	24.55					
5	QPSK	1	14	24.47	24.48	24.61	25	1			
5	QPSK	1	24	24.45	24.48	24.52					
5	QPSK	12	5	23.41	23.47	23.58	25	1			
5	QPSK	12	12	23.46	23.46	23.64					
5	QPSK	12	13	23.48	23.53	23.64	25	1			
5	QPSK	25	5	23.48	23.53	23.58					
5	QPSK	1	25	23.45	23.53	23.58	25	1			
5	QPSK	1	45	23.45	23.53	23.60					
5	QPSK	1	12	23.63	23.62	23.60	25	1			
5	QPSK	1	24	23.76	23.84	23.80					
5	QPSK	1	25	23.76	23.84	23.80	24	2			
5	QPSK	1	25	23.76	23.84	23.80					
5	QPSK	12	7	22.53	22.65	22.75	24	2			
5	QPSK	12	13	22.51	22.60	22.68					
5	QPSK	1	24	22.50	22.60	22.68	24	2			
5	QPSK	1	25	22.50	22.60	22.68					
5	QPSK	1	5	22.75	22.82	22.80	24	2			
5	QPSK	1	12	22.67	22.72	22.84					
5	QPSK	1	24	22.74	22.82	22.74	23	3			
5	QPSK	1	25	21.47	21.51	21.66					
5	QPSK	12	7	21.00	21.08	21.08	21	5			
5	QPSK	12	13	21.02	21.07	21.04					
5	QPSK	1	25	21.50	21.54	21.58	21	5			
5	QPSK	1	5	19.08	19.01	19.73					
5	QPSK	1	12	19.08	19.03	19.07	21	5			
5	QPSK	1	24	19.08	19.02	19.10					
5	QPSK	12	5	19.72	19.00	19.81	21	5			
5	QPSK	12	13	19.02	19.00	19.07					
5	QPSK	12	13	19.05	19.05	19.05	21	5			
5	QPSK	25	5	19.05	19.05	19.05					
Channel Frequency (MHz)											
846.5 846.5 846.5											
5	QPSK	1	5	24.41	24.45	24.55	20	0			
5	QPSK	1	25	24.41	24.45	24.55					
5	QPSK	1	14	24.36	24.47	24.61	25	1			
5	QPSK	1	24	24.38	24.47	24.61					
5	QPSK	12	5	23.54	23.52	23.69	25	1			
5	QPSK	12	12	23.54	23.52	23.67					
5	QPSK	12	13	23.51	23.61	23.72	25	1			
5	QPSK	25	5	23.49	23.57	23.62					
5	QPSK	1	25	23.57	23.67	23.63	25	1			
5	QPSK	1	8	23.80	23.89	24.14					
5	QPSK	1	14	23.74	23.83	23.89	24	2			
5	QPSK	1	25	23.82	23.87	23.77					
5	QPSK	1	8	22.63	22.74	22.78	24	2			
5	QPSK	1	14	22.63	22.68	22.82					
5	QPSK	1	25	22.65	22.69	22.89	24	2			
5	QPSK	1	5	22.67	22.65	22.86					
5	QPSK	1	5	22.66	22.86	22.81	24	2			
5	QPSK	1	14	22.77	22.81	22.85					
5	QPSK	1	8	21.58	21.55	21.70	23	3			
5	QPSK	1	14	21.58	21.66	21.72					
5	QPSK	1	25	21.54	21.63	21.76	21	5			
5	QPSK	15	5	21.50	21.62	21.67					
5	QPSK	1	5	20.05	19.98	19.77	21	5			
5	QPSK	1	14	20.04	19.90	19.02					
5	QPSK	1	8	19.08	19.05	19.76	21	5			
5	QPSK	1	14	19.01	19.01	19.03					
5	QPSK	1	8	19.00	19.07	19.08	21	5			
5	QPSK	1	14	19.04	19.06	19.06					
Channel Frequency (MHz)											
846.5 846.5 846.5											
1.4	QPSK	1	5	24.46	24.49	24.59	20	0			
1.4	QPSK	1	5	24.46	24.53	24.63					
1.4	QPSK	1	5	24.44	24.53	24.63	25	1			
1.4	QPSK	3	5	24.46	24.54	24.60					
1.4	QPSK	3	1	24.49	24.55	24.64	25	1			
1.4	QPSK	3	3	24.49	24.57	24.60					
1.4	QPSK	3	5	23.46	23.57	23.68	25	1			
1.4	QPSK	1	5	23.61	24.00	24.00					
1.4	QPSK	1	5	23.61	24.00	24.00	25	1			
1.4	QPSK	1	3	23.61	24.00	24.00					
1.4	QPSK	3	1	23.64	23.66	23.68	25	1			
1.4	QPSK	3	3	23.64	23.66	23.68					
1.4	QPSK	3	5	21.05	21.07	21.74	23	3			
1.4	QPSK	3	5	21.05	21.07	21.74					
1.4	QPSK	6	5	22.62	22.68	22.78	24	2			
1.4	QPSK	1	5	22.68	22.81	22.96					
1.4	QPSK	1	5	22.68	22.81	22.96	24	2			
1.4	QPSK	1	5	22.64	22.77	22.82					
1.4	QPSK	3	5	22.64	22.81	22.96	24	2			
1.4	QPSK	3	5	22.70	22.89	22.89					
1.4	QPSK	3	3	22.69	22.68	22.78	21	5			
1.4	QPSK	6	5	21.53	21.58	21.74					
1.4	QPSK	1	5	19.04	19.04	19.04	21	5			
1.4	QPSK	1	3	19.03	19.03	19.05					
1.4	QPSK	1	5	19.06	19.02	19.11	21	5			
1.4	QPSK	1	3	19.06	19.02	19.13					
1.4	QPSK	1	5	19.07	19.02	19.08	21	5			
1.4	QPSK	1	3	19.07	19.02	19.08					



Band 7_Ant 11											
RF BPF	Modulation	RF Size	RF Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Time-on Int (min)	MFR (dB)			
Channel											
Frequency (MHz)											
30	QPSK	1	5	22.72	22.79	22.81	24.5	0			
30	QPSK	1	49	22.82	22.89	22.91					
30	QPSK	1	99	22.92	22.99	23.01					
30	QPSK	50	5	21.93	21.93	22.01					
30	QPSK	50	24	21.98	22.05	22.01					
30	QPSK	50	36	21.98	22.05	22.01	23.5	1			
30	QPSK	100	5	21.97	22.06	22.08					
30	QPSK	1	5	22.70	22.75	22.88					
30	QPSK	1	49	22.80	22.87	22.89					
30	QPSK	1	99	22.91	22.92	22.24					
30	QPSK	50	5	20.91	21.00	21.04	22.5	2			
30	QPSK	50	24	20.99	21.14	21.09					
30	QPSK	50	36	20.97	21.07	21.04					
30	QPSK	100	5	21.03	21.10	21.06					
30	QPSK	1	49	21.16	21.15	21.23					
30	QPSK	1	99	21.26	21.17	21.20	22.5	2			
30	QPSK	50	5	19.93	19.97	19.11					
30	QPSK	50	24	20.04	20.16	20.13					
30	QPSK	50	36	19.98	20.08	20.05					
30	QPSK	100	5	19.98	20.15	20.10					
30	QPSK	1	5	19.93	19.16	19.13	19.5	5			
30	QPSK	1	49	19.98	19.93	19.03					
30	QPSK	50	24	19.97	19.98	19.07					
30	QPSK	50	36	19.97	19.98	19.07					
30	QPSK	100	5	19.97	19.98	19.07					
Channel											
Frequency (MHz)											
15	QPSK	1	5	22.84	22.88	22.84	24.5	0			
15	QPSK	1	37	22.82	22.88	22.87					
15	QPSK	1	74	23.02	23.08	23.08					
15	QPSK	36	5	21.99	22.08	22.08					
15	QPSK	36	36	21.99	22.08	22.08					
15	QPSK	36	36	21.99	22.07	22.07	23.5	1			
15	QPSK	75	5	21.97	22.14	22.13					
15	QPSK	1	49	22.82	22.85	22.85					
15	QPSK	1	37	22.98	22.95	22.98					
15	QPSK	1	74	23.21	23.29	23.30					
15	QPSK	36	5	21.04	21.10	21.07	22.5	2			
15	QPSK	36	36	21.01	21.17	21.15					
15	QPSK	75	5	21.00	21.08	21.09					
15	QPSK	1	49	21.04	21.10	21.07					
15	QPSK	1	99	21.12	21.12	21.17					
15	QPSK	50	5	21.24	21.26	21.20	22.5	2			
15	QPSK	50	24	21.22	21.23	21.20					
15	QPSK	50	36	21.09	20.11	20.11					
15	QPSK	100	5	20.01	20.16	20.16					
15	QPSK	1	5	20.01	20.07	20.10					
15	QPSK	50	5	19.98	19.97	19.16	19.5	5			
15	QPSK	1	37	19.93	19.93	19.09					
15	QPSK	1	37	19.93	19.93	19.09					
15	QPSK	1	37	19.93	19.93	19.09					
15	QPSK	1	37	19.93	19.93	19.09					
15	QPSK	50	5	17.92	17.92	17.82	19.5	5			
15	QPSK	50	24	17.97	17.97	17.82					
15	QPSK	50	36	17.97	17.97	17.82					
15	QPSK	100	5	17.92	17.92	17.82					
15	QPSK	100	5	17.92	17.92	17.82					
Channel											
Frequency (MHz)											
15	QPSK	1	5	22.84	22.88	22.84	24.5	0			
15	QPSK	1	37	22.82	22.88	22.87					
15	QPSK	1	49	22.82	22.85	22.85					
15	QPSK	25	5	21.98	22.02	22.04					
15	QPSK	25	12	22.00	22.10	22.11					
15	QPSK	24	25	21.91	22.03	22.01	23.5	1			
15	QPSK	50	5	21.98	22.09	22.08					
15	QPSK	1	5	22.83	22.84	22.98					
15	QPSK	1	9	22.97	22.96	22.43					
15	QPSK	1	49	22.43	22.47	22.57					
15	QPSK	25	5	20.98	21.09	21.09	22.5	2			
15	QPSK	25	12	21.04	21.13	21.14					
15	QPSK	50	25	20.94	21.08	21.14					
15	QPSK	50	5	21.02	21.11	21.10					
15	QPSK	1	5	21.14	21.19	21.21					
15	QPSK	50	5	19.98	19.97	19.16	19.5	5			
15	QPSK	1	37	19.93	19.93	19.09					
15	QPSK	1	37	19.93	19.93	19.09					
15	QPSK	1	37	19.93	19.93	19.09					
15	QPSK	1	37	19.93	19.93	19.09					
15	QPSK	50	5	17.92	17.92	17.82	19.5	5			
15	QPSK	50	24	17.97	17.97	17.82					
15	QPSK	50	36	17.97	17.97	17.82					
15	QPSK	100	5	17.92	17.92	17.82					
15	QPSK	100	5	17.92	17.92	17.82					
Channel											
Frequency (MHz)											
15	QPSK	1	5	22.84	22.88	22.84	24.5	0			
15	QPSK	1	37	22.82	22.88	22.87					
15	QPSK	1	49	22.82	22.85	22.85					
15	QPSK	25	5	21.98	22.02	22.04					
15	QPSK	25	12	22.00	22.10	22.11					
15	QPSK	12	7	21.91	22.06	22.10	23.5	1			
15	QPSK	12	15	21.93	22.04	22.12					
15	QPSK	1	5	22.83	22.84	22.98					
15	QPSK	1	9	22.97	22.96	22.43					
15	QPSK	1	49	22.43	22.47	22.57					
15	QPSK	1	5	22.83	22.86	22.28	23.5	1			
15	QPSK	1	15	22.88	22.94	22.48					
15	QPSK	1	25	22.94	23.01	22.51					
15	QPSK	12	5	21.99	22.14	22.17					
15	QPSK	12	10	22.03	22.15	22.17					
15	QPSK	12	7	20.94	21.02	21.17	22.5	2			
15	QPSK	12	15	20.99	21.12	21.17					
15	QPSK	5	5	20.99	21.05	21.07					
15	QPSK	1	5	21.15	21.17	21.19					
15	QPSK	1	25	21.26	21.30	21.34					
15	QPSK	1	24	21.20	21.26	21.31	22.5	2			
15	QPSK	12	5	19.95	20.03	20.08					
15	QPSK	12	10	19.98	20.12	20.11					
15	QPSK	12	15	19.98	20.10	20.15					
15	QPSK	12	19	19.98	20.09	20.15					
15	QPSK	25	10	19.98	19.94	17.99	19.5	5			
15	QPSK	1	10	18.07	17.90	18.04					
15	QPSK	1	20	17.88	17.80	17.88					
15	QPSK	12	15	17.88	17.82	17.88					
15	QPSK	12	17	17.86	17.72	17.80					
15	QPSK	12	7	17.86	17.81	17.73	19.5	5			
15	QPSK	12	15	17.86	17.72	17.80					
15	QPSK	12	19	17.86	17.72	17.80					
15	QPSK	12	19	17.86	17.72	17.80					
15	QPSK	12	19	17.86	17.72	17.80					

Band 30_Ant 2									
BR (MHz)	Modulation	RTS Size	RTS Offset	Power On/Off (dBm)	Power On/Off (dBm)	Power On/Off (dBm)	Turn-up time (dBm)	MFR (dB)	
Channel				2773.5					
Frequency (MHz)									
5	QPSK	1	0	24.43					
5	QPSK	1	20	25.02					
5	QPSK	1	40	24.71	24.56		20	0	
5	QPSK	24	0	24.34					
5	QPSK	25	12	24.32					
5	QPSK	50	0	24.30			25	1	
5	16QAM	1	0	24.71					
5	16QAM	1	20	24.56					
5	16QAM	1	40	24.85			25	1	
5	16QAM	25	0	24.34					
5	16QAM	25	12	24.34					
5	16QAM	50	0	24.32			24	2	
5	16QAM	50	20	24.32					
5	16QAM	1	20	23.19					
5	16QAM	1	40	23.87					
5	16QAM	24	0	24.34					
5	16QAM	25	12	23.38					
5	16QAM	25	20	22.88					
5	16QAM	50	0	23.81			23	3	
5	256QAM	1	0	24.24					
5	256QAM	1	20	24.21					
5	256QAM	24	0	23.28			21	5	
5	256QAM	25	12	24.27					
5	256QAM	25	20	23.28					
5	256QAM	50	0	23.38			21	5	
Channel				2776.5	2777.5	2778.5	Turn-up time (dBm)	MFR (dB)	
Frequency (MHz)									
5	QPSK	1	0	25.56	25.56				
5	QPSK	1	10	25.47	25.14	25.80			
5	QPSK	1	20	25.13	25.89	25.80			
5	QPSK	1	40	24.53	25.22	24.40			
5	QPSK	12	7	24.34	24.34	24.67			
5	QPSK	12	15	24.18	24.38	24.33			
5	QPSK	24	0	24.31	24.28	24.38			
5	16QAM	1	0	24.88	24.84	24.55			
5	16QAM	1	12	24.86	24.57	24.36			
5	16QAM	1	20	24.63	24.85	24.80			
5	16QAM	12	0	23.96	23.96	23.92			
5	16QAM	12	7	23.42	23.28	23.74			
5	16QAM	12	14	23.75	23.24	23.88			
5	16QAM	24	0	23.33	23.34	23.78			
5	16QAM	1	0	23.80	23.57	24.49			
5	16QAM	1	20	23.75	23.98	23.71			
5	16QAM	1	24	23.33	23.88	23.75			
5	16QAM	12	0	22.52	22.28	21.80			
5	16QAM	12	7	22.37	22.27	22.20			
5	16QAM	12	10	22.23	22.43	22.48			
5	16QAM	24	0	22.52	22.53	22.98			
5	16QAM	24	7	20.93	21.16	20.14			
5	256QAM	1	12	19.91	20.07	20.15			
5	256QAM	1	24	20.54	20.81	20.84			
5	256QAM	12	0	20.53	20.54	20.14			
5	256QAM	12	7	19.91	20.12	19.92			
5	256QAM	12	15	20.27	20.28	20.01			
5	256QAM	24	0	20.53	20.54	20.14			

Band 66_Ant 1									
BS ID#	Multicast	RB Size	RB Offset	Power Level dBm	Power Level dBm	Power Level dBm	Turnup Time (mins)	MFR (dB)	
Channel				130922	130923	130925			
20	Frequency	1	0	21.53	21.53	21.53			
20	QPSK	1	49	24.47	24.42	24.52	26	0	
20	QPSK	1	50	24.47	24.50	24.56			
20	QPSK	1	51	23.48	23.43	23.53			
20	QPSK	50	24	20.50	20.50	20.50	25		
20	QPSK	100	0	21.53	21.53	21.53			
20	HQAM	1	0	22.78	22.71	22.78			
20	HQAM	1	50	22.78	22.78	22.78	23	1	
20	HQAM	1	59	23.68	23.68	23.71			
20	HQAM	50	0	22.49	22.45	22.51			
20	HQAM	100	0	22.49	22.49	22.49			
20	HQAM	50	50	22.52	22.47	22.52	24	2	
20	HQAM	100	0	22.55	22.49	22.51			
20	HQAM	1	49	22.57	22.57	22.57			
20	HQAM	1	49	22.85	22.85	22.85	24	2	
20	HQAM	1	59	22.88	22.84	22.84			
20	HQAM	50	24	21.98	21.92	22.03			
20	HQAM	50	24	21.98	21.92	21.92	23	3	
20	HQAM	50	50	21.91	21.48	21.54			
20	HQAM	100	0	21.47	21.47	21.47			
20	HQAM	1	0	19.41	19.35	19.35	21	5	
20	HQAM	1	49	19.32	19.37	19.37			
20	HQAM	1	50	19.38	19.38	19.41			
20	HQAM	50	50	19.38	19.38	19.38			
20	HQAM	50	24	19.50	19.47	19.51			
20	HQAM	100	0	19.42	19.42	19.42	21	5	
20	HQAM	100	0	19.48	19.42	19.50			
Channel				130924	130923	130926	Turnup Time (mins)	MFR (dB)	
15	Frequency	1	0	24.26	24.31	24.31			
15	QPSK	1	37	24.48	24.41	24.50	28	0	
15	QPSK	1	74	24.32	24.28	24.43			
15	QPSK	1	75	24.37	24.48	24.48			
15	QPSK	36	26	21.53	21.53	21.53	25	1	
15	QPSK	36	26	21.48	21.41	21.51			
15	QPSK	37	0	21.43	21.43	21.43			
15	HQAM	1	0	21.68	21.63	21.67			
15	HQAM	1	37	23.73	23.73	23.81	25	1	
15	HQAM	1	74	21.68	21.63	21.68			
15	HQAM	36	0	22.45	22.40	22.46			
15	HQAM	36	26	22.55	22.48	22.58			
15	HQAM	37	0	22.44	22.44	22.44	24	2	
15	HQAM	75	0	22.51	22.48	22.51			
15	HQAM	1	0	22.62	22.52	22.62			
15	HQAM	1	37	22.70	22.70	22.70	24	2	
15	HQAM	1	74	22.56	22.53	22.65			
15	HQAM	36	0	21.45	21.39	21.44			
15	HQAM	36	26	21.45	21.45	21.50			
15	HQAM	36	36	21.50	21.42	21.50	23	3	
15	HQAM	75	0	21.50	21.45	21.50			
15	HQAM	100	0	21.38	21.38	21.38			
15	HQAM	1	37	19.43	19.29	19.35	21	5	
15	HQAM	1	74	19.22	19.11	19.35			
15	HQAM	36	0	19.27	19.27	19.27			
15	HQAM	36	26	19.37	19.35	19.44			
15	HQAM	36	36	19.38	19.38	19.44	21	5	

Band 66_Ant 2									
RF (MHz)	Modulation	RF Size	RF Offset	Power (dBm) Ch. 1/2	Power (dBm) 133022	Power (dBm) 133022	Power (dBm) 133022	Time-on-air (min)	Light (dB)
Channel									
Frequency (MHz)									
26	QPSK	1	0	24.48	24.48	24.48	24.48	26	0
26	QPSK	1	49	24.47	24.42	24.52			
26	QPSK	1	98	24.46	24.38	24.50			
26	QPSK	1	147	24.46	24.38	24.51			
26	QPSK	50	24	25.52	25.52	25.58			
26	QPSK	100	0	25.53	25.48	25.58			
26	HQPSK	1	0	25.78	25.73	25.75		25	1
26	HQPSK	1	49	25.88	25.88	25.88			
26	HQPSK	1	98	25.88	25.88	25.71			
26	HQPSK	50	24	22.48	22.46	22.51			
26	HQPSK	100	0	22.50	22.48	22.57			
26	HQPSK	50	50	22.52	22.47	22.55			
26	HQPSK	100	0	22.55	22.48	22.57		24	2
26	HQPSK	50	50	22.57	22.52	22.52			
26	HQPSK	1	49	22.80	22.82	22.80			
26	HQPSK	1	99	22.88	22.84	22.84			
26	HQPSK	50	24	21.50	21.48	21.58			
26	HQPSK	100	0	21.52	21.48	21.54			
26	HQPSK	50	0	21.50	21.48	21.50		23	3
26	HQPSK	50	0	19.41	19.35	19.45			
26	DQPSK	1	49	19.52	19.35	19.67			
26	DQPSK	50	50	19.38	19.38	19.47			
26	DQPSK	50	0	19.50	19.47	19.51			
26	DQPSK	100	0	19.45	19.42	19.50			
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.36	24.33	24.39		26	0
15	QPSK	1	47	24.48	24.41	24.52			
15	QPSK	1	74	24.32	24.28	24.43			
15	QPSK	1	101	24.37	24.34	24.44			
15	QPSK	50	20	25.53	25.47	25.54			
15	QPSK	50	50	25.48	25.41	25.53			
15	HQPSK	1	0	25.43	25.43	25.52		25	1
15	HQPSK	1	48	25.68	25.63	25.61			
15	HQPSK	50	20	25.78	25.73	25.84			
15	HQPSK	1	74	25.48	25.45	25.58			
15	HQPSK	50	20	22.45	22.46	22.58			
15	HQPSK	50	50	22.50	22.46	22.58			
15	HQPSK	1	47	22.51	22.48	22.51		24	2
15	HQPSK	1	97	22.62	22.56	22.62			
15	HQPSK	50	20	22.71	22.70	22.72			
15	HQPSK	50	0	22.56	22.53	22.65			
15	HQPSK	50	0	21.45	21.38	21.49			
15	HQPSK	50	0	21.51	21.45	21.50			
15	HQPSK	50	50	21.50	21.42	21.50		23	3
15	HQPSK	50	0	19.38	19.34	19.38			
15	DQPSK	1	74	19.43	19.29	19.50			
15	DQPSK	1	174	19.22	19.11	19.35			
15	DQPSK	50	50	19.27	19.27	19.31			
15	DQPSK	50	20	19.37	19.30	19.46			
15	DQPSK	50	50	19.38	19.32	19.45		21	5
15	DQPSK	50	0	19.38	19.32	19.45			
15	DQPSK	50	0	19.38	19.32	19.45			
15	DQPSK	50	0	19.38	19.32	19.45			
15	DQPSK	50	0	19.38	19.32	19.45			
15	DQPSK	50	0	19.38	19.32	19.45			

Band 66_Ant 11									
RF MUX	Modulation	RF Size	RF Offset	Power Loss dB (100W)	Power Loss dB (10W)	Power Loss dB (1W)	Turn-on time (ms)	Light (mW)	
Channel				1300.72	1302.92	1305.12			
Frequency (MHz)				1300.72	1302.92	1305.12			
26	QPSK	1	0	21.76	21.76	21.76			
26	QPSK	1	46	22.75	22.74	22.87	24.5	0	
26	QPSK	1	92	23.74	23.73	23.87			
26	QPSK	86	0	21.77	21.79	21.80			
26	QPSK	86	24	21.75	21.81	21.83	23.5		
26	QPSK	86	70	21.75	21.79	21.80			
26	QPSK	100	0	21.74	21.77	21.80			
26	16QAM	1	0	21.86	22.21	22.36			
26	16QAM	1	46	22.85	22.84	22.97	23.5	1	
26	16QAM	1	92	23.84	23.82	23.96			
26	16QAM	86	0	21.88	21.90	21.92			
26	16QAM	86	24	21.88	21.94	21.95	22.5	2	
26	16QAM	86	70	21.88	21.92	21.93			
26	16QAM	100	0	21.87	21.90	21.93			
26	16QAM	100	46	21.87	21.88	21.90			
26	16QAM	100	92	21.87	21.88	21.90			
26	16QAM	100	138	21.87	21.88	21.90			
26	16QAM	100	184	21.87	21.88	21.90			
26	16QAM	100	230	21.87	21.88	21.90			
26	16QAM	100	276	21.87	21.88	21.90			
26	16QAM	100	322	21.87	21.88	21.90			
26	16QAM	100	368	21.87	21.88	21.90			
26	16QAM	100	414	21.87	21.88	21.90			
26	16QAM	100	460	21.87	21.88	21.90			
26	16QAM	100	506	21.87	21.88	21.90			
26	16QAM	100	552	21.87	21.88	21.90			
26	16QAM	100	598	21.87	21.88	21.90			
26	16QAM	100	644	21.87	21.88	21.90			
26	16QAM	100	690	21.87	21.88	21.90			
26	16QAM	100	736	21.87	21.88	21.90			
26	16QAM	100	782	21.87	21.88	21.90			
26	16QAM	100	828	21.87	21.88	21.90			
26	16QAM	100	874	21.87	21.88	21.90			
26	16QAM	100	920	21.87	21.88	21.90			
26	16QAM	100	966	21.87	21.88	21.90			
26	16QAM	100	1012	21.87	21.88	21.90			
26	16QAM	100	1058	21.87	21.88	21.90			
26	16QAM	100	1104	21.87	21.88	21.90			
26	16QAM	100	1150	21.87	21.88	21.90			
26	16QAM	100	1196	21.87	21.88	21.90			
26	16QAM	100	1242	21.87	21.88	21.90			
26	16QAM	100	1288	21.87	21.88	21.90			
26	16QAM	100	1334	21.87	21.88	21.90			
26	16QAM	100	1380	21.87	21.88	21.90			
26	16QAM	100	1426	21.87	21.88	21.90			
26	16QAM	100	1472	21.87	21.88	21.90			
26	16QAM	100	1518	21.87	21.88	21.90			
26	16QAM	100	1564	21.87	21.88	21.90			
26	16QAM	100	1610	21.87	21.88	21.90			
26	16QAM	100	1656	21.87	21.88	21.90			
26	16QAM	100	1702	21.87	21.88	21.90			
26	16QAM	100	1748	21.87	21.88	21.90			
26	16QAM	100	1794	21.87	21.88	21.90			
26	16QAM	100	1840	21.87	21.88	21.90			
26	16QAM	100	1886	21.87	21.88	21.90			
26	16QAM	100	1932	21.87	21.88	21.90			
26	16QAM	100	1978	21.87	21.88	21.90			
26	16QAM	100	2024	21.87	21.88	21.90			
26	16QAM	100	2070	21.87	21.88	21.90			
26	16QAM	100	2116	21.87	21.88	21.90			
26	16QAM	100	2162	21.87	21.88	21.90			
26	16QAM	100	2208	21.87	21.88	21.90			
26	16QAM	100	2254	21.87	21.88	21.90			
26	16QAM	100	2300	21.87	21.88	21.90			
26	16QAM	100	2346	21.87	21.88	21.90			
26	16QAM	100	2392	21.87	21.88	21.90			
26	16QAM	100	2438	21.87	21.88	21.90			
26	16QAM	100	2484	21.87	21.88	21.90			
26	16QAM	100	2530	21.87	21.88	21.90			
26	16QAM	100	2576	21.87	21.88	21.90			
26	16QAM	100	2622	21.87	21.88	21.90			
26	16QAM	100	2668	21.87	21.88	21.90			
26	16QAM	100	2714	21.87	21.88	21.90			
26	16QAM	100	2760	21.87	21.88	21.90			
26	16QAM	100	2806	21.87	21.88	21.90			
26	16QAM	100	2852	21.87	21.88	21.90			
26	16QAM	100	2898	21.87	21.88	21.90			
26	16QAM	100	2944	21.87	21.88	21.90			
26	16QAM	100	2990	21.87	21.88	21.90			
26	16QAM	100	3036	21.87	21.88	21.90			
26	16QAM	100	3082	21.87	21.88	21.90			
26	16QAM	100	3128	21.87	21.88	21.90			
26	16QAM	100	3174	21.87	21.88	21.90			
26	16QAM	100	3220	21.87	21.88	21.90			
26	16QAM	100	3266	21.87	21.88	21.90			
26	16QAM	100	3312	21.87	21.88	21.90			
26	16QAM	100	3358	21.87	21.88	21.90			
26	16QAM	100	3404	21.87	21.88	21.90			
26	16QAM	100	3450	21.87	21.88	21.90			
26	16QAM	100	3496	21.87	21.88	21.90			
26	16QAM	100	3542	21.87	21.88	21.90			
26	16QAM	100	3588	21.87	21.88	21.90			
26	16QAM	100	3634	21.87	21.88	21.90			
26	16QAM	100	3680	21.87	21.88	21.90			
26	16QAM	100	3726	21.87	21.88	21.90			
26	16QAM	100	3772	21.87	21.88	21.90			
26	16QAM	100	3818	21.87	21.88	21.90			
26	16QAM	100	3864	21.87	21.88	21.90			
26	16QAM	100	3910	21.87	21.88	21.90			
26	16QAM	100	3956	21.87	21.88	21.90			
26	16QAM	100	4002	21.87	21.88	21.90			
26	16QAM	100	4048	21.87	21.88	21.90			
26	16QAM	100	4094	21.87	21.88	21.90			
26	16QAM	100	4140	21.87	21.88	21.90			
26	16QAM	100	4186	21.87	21.88	21.90			
26	16QAM	100	4232	21.87	21.88	21.90			
26	16QAM	100	4278	21.87	21.88	21.90			
26	16QAM	100	4324	21.87	21.88	21.90			
26	16QAM	100	4370	21.87	21.88	21.90			
26	16QAM	100	4416	21.87	21.88	21.90			
26	16QAM	100	4462	21.87	21.88	21.90			
26	16QAM	100	4508	21.87	21.88	21.90			
26	16QAM	100	4554	21.87	21.88	21.90			
26	16QAM	100	4600	21.87	21.88	21.90			
26	16QAM	100	4646	21.87	21.88	21.90			
26	16QAM	100	4692	21.87	21.88	21.90			
26	16QAM	100	4738	21.87	21.88	21.90			
26	16QAM	100	4784	21.87	21.88	21.90			
26	16QAM	100	4830	21.87	21.88	21.90			
26	16QAM	100	4876	21.87	21.88	21.90			
26	16QAM	100	4922	21.87	21.88	21.90			
26	16QAM	100	4968	21.87	21.88	21.90			
26	16QAM	100	5014	21.87	21.88	21.90			
26	16QAM	100	5060	21.87	21.88	21.90			
26	16QAM	100	5106	21.87	21.88	21.90			
26	16QAM	100	5152	21.87	21.88	21.90			
26	16QAM	100	5198	21.87	21.88	21.90			
26	16QAM	100	5244	21.87	21.88	21.90			
26	16QAM	100	5290	21.87	21.88	21.90			
26	16QAM	100	5336	21.87	21.88	21.90			
26	16QAM	100	5382	21.87	21.88	21.90			
26	16QAM	100	5428	21.87	21.88	21.90			
26	16QAM	100	5474	21.87	21.88	21.90			
26	16QAM	100	5520	21.87	21.88	21.90			
26	16QAM	100	5566	21.87	21.88	21.90			
26	16QAM	100	5612	21.87	21.88	21.90			
26	16QAM	100	5658	21.87	21.88	21.90			
26	16QAM	100	5704	21.87	21.88	21.90			
26	16QAM	100	5750	21.87	21.88	21.90			
26	16QAM	100	5796	21.87	21.88	21.90			
26	16QAM	100	5842	21.87	21.88	21.90			
26	16QAM	100	5888	21.87	21.88	21.90			
26	16QAM	100	5934	21.87	21.88	21.90			
26	16QAM	100	5980	21.87	21.88	21.90			
26	16QAM	100	6026	21.87	21.88	21.90			
26	16QAM	100	6072	21.87	21.88	21.90			
26	16QAM	100	6118	21.87	21.88	21.90			
26	16QAM	100	6164	21.87	21.88	21.90			
26	16QAM	100	6210	21.87	21.88	21.90			
26	16QAM	100	6256	21.87	21.88	21.90			
26	16QAM	100	6302	21.87	21.88	21.90			
26	16QAM	100	6348	21.87	21.88	21.90			
26	16QAM	100	6394	21.87	21.88	21.90			
26	16QAM	100	6440	21.87	21.88	21.90			
26	16QAM	100	6486	21.87	21.88	21.90			
26	16QAM	100	6532	21.87	21.88	21.90			
26	16QAM	100	6578	21.87	21.88	21.90			
26	16QAM	100	6624	21.87	21.88	21.90			
26	16QAM	100	6670	21.87	21.88	21.90			
26	16QAM	100	6716	21.87	21.88	21.90			
26	16QAM	100	6762	21.87	21.88	21.90			
26	16QAM	100	6808	21.87	21.88	21.90			
26	16QAM	100	6854	21.87	21.88				

		Frequency (MHz)	1	2	1745	1746	1747	Wave	MPF
10	QPSK	1	6	24.41	24.38	24.36	24.34	21	5
10	QPSK	2	26	24.41	24.38	24.36	24.34		
10	QPSK	1	49	24.36	24.32	24.44	24.44		
10	QPSK	2	6	23.48	23.40	23.50	23.50		
10	QPSK	1	24	23.48	23.47	23.49	23.49		
10	QPSK	2	26	23.52	23.43	23.50	23.50		
10	QPSK	1	49	23.46	23.43	23.49	23.49		
10	QPSK	1	6	23.78	23.84	23.84	23.84		
10	QPSK	1	25	23.81	23.72	23.83	23.83		
10	QPSK	1	26	23.81	23.72	23.83	23.83		
10	QPSK	2	6	23.02	23.01	23.02	23.02	24	2
10	QPSK	2	26	23.02	23.01	23.02	23.02		
10	QPSK	2	12	22.99	22.49	22.93	22.93		
10	QPSK	1	49	22.99	22.49	22.93	22.93		
10	QPSK	1	6	22.56	22.45	22.51	22.51		
10	QPSK	1	25	22.54	22.50	22.70	22.70		
10	QPSK	1	26	22.54	22.50	22.70	22.70		
10	QPSK	1	49	22.52	22.56	22.56	22.56		
10	QPSK	1	25	22.52	22.56	22.56	22.56		
10	QPSK	1	26	22.52	22.56	22.56	22.56		
10	QPSK	2	12	21.48	21.44	21.58	21.58	23	3
10	QPSK	2	26	21.53	21.44	21.58	21.58		
10	QPSK	1	49	21.48	21.45	21.53	21.53		
10	QPSK	1	6	19.15	19.13	19.20	19.20		
10	QPSK	1	25	19.26	19.11	19.30	19.30		
10	QPSK	1	26	19.26	19.11	19.30	19.30		
10	QPSK	1	49	19.15	19.13	19.20	19.20		
10	QPSK	2	6	19.15	19.13	19.20	19.20		
10	QPSK	2	12	19.20	19.21	19.18	19.18		
10	QPSK	2	26	19.20	19.21	19.18	19.18		
10	QPSK	1	6	19.28	19.17	19.28	19.28	21	5
10	QPSK	1	25	19.28	19.17	19.28	19.28		
10	QPSK	1	26	19.28	19.17	19.28	19.28		
10	QPSK	1	49	19.28	19.17	19.28	19.28		
10	QPSK	1	6	18.15	18.13	18.20	18.20		
10	QPSK	1	25	18.26	18.11	18.30	18.30		
10	QPSK	1	26	18.26	18.11	18.30	18.30		
10	QPSK	1	49	18.15	18.13	18.20	18.20		
10	QPSK	2	6	18.15	18.13	18.20	18.20		
10	QPSK	2	12	18.20	18.21	18.18	18.18		
10	QPSK	2	26	18.20	18.21	18.18	18.18	24	2
10	QPSK	1	49	18.15	18.13	18.20	18.20		
10	QPSK	1	6	16.28	16.27	16.27	16.27		
10	QPSK	1	12	16.30	16.28	16.28	16.28	23	3
10	QPSK	1	24	22.78	22.71	22.82	22.82		
10	QPSK	1	25	22.78	22.71	22.82	22.82		
10	QPSK	1	26	22.78	22.71	22.82	22.82		
10	QPSK	1	49	22.78	22.71	22.82	22.82		
10	QPSK	1	6	22.54	22.45	22.51	22.51		
10	QPSK	1	25	22.54	22.45	22.51	22.51		
10	QPSK	1	26	22.54	22.45	22.51	22.51		
10	QPSK	1	49	22.52	22.56	22.56	22.56		
10	QPSK	1	25	22.52	22.56	22.56	22.56		
10	QPSK	1	26	22.52	22.56	22.56	22.56		
10	QPSK	2	12	21.51	21.41	21.54	21.54	23	3
10	QPSK	2	26	21.50	21.41	21.58	21.58		
10	QPSK	1	49	21.51	21.41	21.54	21.54		
10	QPSK	1	6	19.32	19.18	19.31	19.31		
10	QPSK	1	24	19.38	19.07	19.25	19.25		
10	QPSK	1	25	19.38	19.07	19.25	19.25		
10	QPSK	1	26	19.38	19.07	19.25	19.25		
10	QPSK	1	49	19.32	19.25	19.23	19.23		
10	QPSK	2	6	19.32	19.25	19.23	19.23		
10	QPSK	2	12	19.32	19.25	19.23	19.23		

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	Frequency (MHz)	1711.5	1746	1778.5		(dB)
1.4	OPR1	24.37	24.28	24.38	26	0
1.4	OPR2	24.38	24.38	24.38		0
1.4	OPR1	14	24.37	24.27		24
1.4	OPR2	14	24.38	24.28	25	1
1.4	OPR1	6	25.51	25.47		24
1.4	OPR2	6	25.49	25.43		23.4
1.4	OPR1	14	24.37	24.28	25	0
1.4	OPR2	14	24.38	24.28		0
1.4	HQIR1	6	25.75	25.65		23.4
1.4	HQIR2	6	25.83	25.85	25	0
1.4	HQIR1	14	25.71	25.62		23
1.4	HQIR2	14	25.67	25.61		22.92
1.4	HQIR1	6	25.69	25.62	24	2
1.4	HQIR2	6	25.76	25.76		22.9
1.4	HQIR1	14	25.61	25.62		22.48
1.4	HQIR2	14	25.68	25.68	24	2
1.4	HQIR1	6	25.75	25.75		22.74
1.4	HQIR2	6	25.88	25.88	23	3
1.4	HQIR1	14	25.78	25.78		22.7
1.4	HQIR2	14	25.86	25.81		21.62
1.4	HQIR1	6	25.84	25.84	21	5
1.4	HQIR2	6	25.92	25.92		22.7
1.4	HQIR1	14	25.88	25.88		22.28
1.4	HQIR2	14	25.91	25.91	21	5
1.4	HQIR1	6	25.93	25.93		22.8
1.4	HQIR2	6	26.02	26.02		22.8
1.4	HQIR1	14	25.96	25.96	21	5
1.4	HQIR2	14	26.05	26.05		22.8
1.4	HQIR1	6	26.03	26.04		22.8
1.4	HQIR2	6	26.08	26.08	24	2
1.4	HQIR1	14	26.05	26.05		22.67
1.4	HQIR2	14	26.08	26.08		22.67
1.4	HQIR1	6	26.08	26.08	24	2
1.4	HQIR2	6	26.13	26.13		22.67
1.4	HQIR1	14	26.10	26.11		22.61
1.4	HQIR2	14	26.12	26.16	23	3
1.4	HQIR1	6	26.15	26.15		22.6
1.4	HQIR2	6	26.18	26.18		22.6
1.4	HQIR1	14	26.20	26.20	21	5
1.4	HQIR2	14	26.23	26.23		22.6
1.4	HQIR1	6	26.25	26.25		22.6
1.4	HQIR2	6	26.28	26.28	21	5
1.4	HQIR1	14	26.30	26.30		22.6
1.4	HQIR2	14	26.33	26.33		22.6
1.4	HQIR1	6	26.35	26.35	21	5
1.4	HQIR2	6	26.38	26.38		22.6
1.4	HQIR1	14	26.40	26.40		22.6
1.4	HQIR2	14	26.43	26.43	21	5
1.4	HQIR1	6	26.45	26.45		22.6
1.4	HQIR2	6	26.48	26.48		22.6
1.4	HQIR1	14	26.50	26.50	21	5
1.4	HQIR2	14	26.53	26.53		22.6
1.4	HQIR1	6	26.55	26.55		22.6
1.4	HQIR2	6	26.58	26.58	21	5
1.4	HQIR1	14	26.60	26.60		22.6
1.4	HQIR2	14	26.63	26.63		22.6
1.4	HQIR1	6	26.65	26.65	21	5
1.4	HQIR2	6	26.68	26.68		22.6
1.4	HQIR1	14	26.70	26.70		22.6
1.4	HQIR2	14	26.7			

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Band 38_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				24.88	24.95	24.98			
20	QPSK	1	0	24.88	24.95	24.98	26	0	
20	QPSK	1	49	25.08	25.20	25.22			
20	QPSK	1	99	25.02	25.12	25.18			
20	QPSK	50	0	23.98	24.09	24.22			
20	QPSK	50	24	24.13	24.20	24.27	25	1	
20	QPSK	50	50	24.13	24.20	24.27			
20	QPSK	100	0	24.06	24.13	24.17			
20	16QAM	1	0	23.74	23.90	24.27			
20	16QAM	1	49	24.42	24.47	24.10	25	1	
20	16QAM	50	0	24.27	24.30	24.23			
20	16QAM	50	0	22.88	23.13	23.20			
20	16QAM	50	24	23.12	23.16	23.27			
20	16QAM	50	50	23.09	23.20	23.33	24	2	
20	16QAM	100	0	23.13	23.16	23.17			
20	64QAM	1	0	22.52	23.12	23.24			
20	64QAM	1	49	23.21	22.81	23.54			
20	64QAM	1	99	23.32	23.23	22.99	24	2	
20	64QAM	50	0	21.98	22.13	22.08			
20	64QAM	50	24	22.13	22.24	22.27			
20	64QAM	50	50	22.12	22.27	22.26			
20	64QAM	100	0	22.12	22.16	22.16	23	3	
20	256QAM	1	0	19.72	19.82	19.87			
20	256QAM	1	49	19.74	19.88	19.87			
20	256QAM	1	99	19.78	19.91	19.87			
20	256QAM	50	0	19.73	19.95	20.07	21	5	
20	256QAM	50	24	19.81	19.98	19.80			
20	256QAM	50	50	19.87	20.00	19.97			
20	256QAM	100	0	19.78	19.90	19.84			
Channel				37825	38000	38175			
Frequency (MHz)				24.72	24.92	25.11			
15	QPSK	1	0	24.72	24.92	25.11	26	0	
15	QPSK	1	37	24.78	25.17	25.00			
15	QPSK	1	74	24.84	24.99	25.00			
15	QPSK	36	0	23.70	23.92	24.03			
15	QPSK	36	20	23.86	23.99	24.09	25	1	
15	QPSK	36	39	23.94	24.04	24.04			
15	QPSK	75	0	23.91	23.94	24.01			
15	16QAM	1	0	23.68	23.76	23.73			
15	16QAM	1	37	23.84	23.90	23.83	25	1	
15	16QAM	1	74	24.11	23.86	23.94			
15	16QAM	36	0	22.67	22.94	22.93			
15	16QAM	36	20	22.86	22.96	23.04			
15	16QAM	36	39	22.81	23.03	22.93	24	2	
15	16QAM	75	0	22.80	22.85	22.97			
15	64QAM	1	0	22.81	22.85	22.68			
15	64QAM	1	37	23.14	23.29	22.96			
15	64QAM	1	74	23.07	23.05	22.83	24	2	
15	64QAM	36	0	21.78	22.09	21.91			
15	64QAM	36	20	21.90	21.92	22.02			
15	64QAM	36	39	21.79	22.05	22.07			
15	64QAM	75	0	21.82	21.94	22.04	23	3	
15	256QAM	1	0	19.49	19.63	19.77			
15	256QAM	1	37	19.56	19.88	19.78			
15	256QAM	1	74	19.60	19.86	19.82			
15	256QAM	36	0	19.75	19.76	19.84	21	5	
15	256QAM	36	20	19.90	19.97	19.98			
15	256QAM	36	39	19.87	19.86	20.05			
15	256QAM	75	0	19.75	19.74	19.71			
Channel				37775	38000	38225			
Frequency (MHz)				24.75	24.95	25.15			
10	QPSK	1	0	24.86	25.09	25.02	26	0	
10	QPSK	1	25	24.91	25.16	25.09			
10	QPSK	1	49	24.90	25.14	25.04			
10	QPSK	25	0	23.88	24.14	24.17			
10	QPSK	25	12	23.97	24.02	24.10	25	1	
10	QPSK	25	25	23.99	24.23	24.10			
10	QPSK	50	0	23.94	24.03	24.18			
10	16QAM	1	0	24.11	24.26	23.97			
10	16QAM	1	25	23.94	24.26	24.10	25	1	
10	16QAM	1	49	24.16	24.15	24.06			
10	16QAM	25	0	23.83	24.09	24.08			
10	16QAM	25	12	23.91	23.12	23.14			
10	16QAM	25	25	22.95	23.20	23.07	24	2	
10	16QAM	50	0	22.96	23.03	23.07			
10	16QAM	50	25	22.95	23.17	23.16			
10	64QAM	1	25	22.89	23.09	23.00			
10	64QAM	1	49	22.95	22.94	23.23	24	2	
10	64QAM	25	0	21.74	22.06	22.20			
10	64QAM	25	12	22.02	22.16	22.10			
10	64QAM	25	25	22.04	22.28	22.14			
10	64QAM	50	0	21.94	22.15	22.09	23	3	
10	256QAM	1	0	19.58	19.91	19.89			
10	256QAM	1	25	19.78	19.85	19.48			
10	256QAM	1	49	19.86	19.95	19.84			
10	256QAM	25	0	19.89	19.94	20.04	21	5	
10	256QAM	25	12	19.81	19.76	19.75			
10	256QAM	25	25	19.84	19.89	19.89			
10	256QAM	50	0	19.77	19.97	19.64			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.79	25.10	25.02	26	0	
5	QPSK	1	12	24.79	25.18	25.09			
5	QPSK	1	24	24.76	25.12	25.08			
5	QPSK	12	0	23.83	23.98	24.09			
5	QPSK	12	7	23.88	24.08	24.06	25	1	
5	QPSK	12	13	23.87	24.09	24.04			
5	QPSK	25	0	23.81	24.00	24.07			
5	16QAM	1	0	23.90	24.12	24.17			
5	16QAM	1	12	23.94	24.23	24.35	25	1	
5	16QAM	1	24	23.92	24.11	24.06			
5	16QAM	12	0	22.67	22.99	22.99			
5	16QAM	12	7	22.96	23.07	23.12			
5	16QAM	12	13	22.90	23.06	23.07	24	2	
5	16QAM	25	0	22.98	23.04	23.16			
5	64QAM	1	0	22.62	23.00	23.10			
5	64QAM	1	12	23.08	23.10	22.89			
5	64QAM	1	24	22.82	23.02	22.98	24	2	
5	64QAM	12	0	21.69	22.05	22.06			
5	64QAM	12	7	21.92	22.07	22.06			
5	64QAM	12	13	21.86	22.09	22.09			
5	64QAM	25	0	21.84	22.07	22.13	23	3	
5	256QAM	1	0	19.51	19.63	19.97			
5	256QAM	1	12	19.65	19.95	19.64			
5	256QAM	1	24	19.67	19.98	19.68			
5	256QAM	12	0	19.67	19.72	20.20	21	5	
5	256QAM	12	7	19.67	19.94	19.93			
5	256QAM	12	13	19.69	20.13	19.85			
5	256QAM	25	0	19.91	19.83	19.81			

Band 38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				24.88	24.98	25.03			
20	QPSK	1	0	24.88	24.98	25.03	26	0	
20	QPSK	1	49	25.08	25.20	25.22			
20	QPSK	1	99	25.02	25.12	25.18			
20	QPSK	50	0	23.98	24.09	24.22	25	1	
20	QPSK	50	24	24.13	24.20	24.26			
20	QPSK	50	50	24.13	24.20	24.27			
20	QPSK	100	0	24.06	24.13	24.17	25	1	
20	16QAM	1	0	23.74	23.90	24.27			
20	16QAM	1	49	24.42	24.47	24.10			
20	16QAM	1	99	24.27	24.31	24.23	24	2	
20	16QAM	50	0	22.88	23.13	23.20			
20	16QAM	50	24	23.12	23.16	23.27			
20	16QAM	50	50	23.09	23.20	23.33	24	2	
20	16QAM	100	0	23.17	23.16	23.17			
20	16QAM	1	0	22.82	23.23	23.24			
20	16QAM	1	49	23.21	22.81	23.54	24	2	
20	16QAM	1	99	23.32	23.23	22.99			
20	16QAM	50	0	21.98	22.13	22.08			
20	16QAM	50	24	22.13	22.24	22.27	23	3	
20	16QAM	50	50	22.12	22.16	22.16			
20	16QAM	100	0	22.12	22.17	22.08			
20	256QAM	1	0	19.72	19.87	19.87	21	5	
20	256QAM	1	49	19.74	19.88	19.87			
20	256QAM	1	99	19.78	19.91	19.87			
20	256QAM	50	0	19.73	19.95	20.07	21	5	
20	256QAM	50	24	19.81	19.98	19.86			
20	256QAM	50	50	19.87	20.00	19.97			
20	256QAM	100	0	19.78	19.90	19.84			
Channel				37825	38000	38175	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				24.71 <th>24.85<th>24.93<th></th><th></th><th></th></th></th>	24.85 <th>24.93<th></th><th></th><th></th></th>	24.93 <th></th> <th></th> <th></th>			
15	QPSK	1	0	24.72	24.82	24.91	26	0	
15	QPSK	1	37	24.78	24.77	25.00			
15	QPSK	1	74	24.84	24.99	25.09			
15	QPSK	36	0	23.74	23.98	24.03	25	1	
15	QPSK	36	20	23.86	23.99	24.09			
15	QPSK	36	39	23.84	24.04	24.04			
15	QPSK	75	0	23.91	23.94	24.01	25	1	
15	QPSK	1	0	23.88	23.76	23.73			
15	16QAM	1	37	23.84	23.90	24.03			
15	16QAM	1	74	24.11	23.86	23.94	24	2	
15	16QAM	36	0	22.87	22.94	22.93			
15	16QAM	36	20	22.89	22.98	23.04			
15	16QAM	36	39	22.81	23.03	22.94	23	3	
15	16QAM	75	0	22.80	22.85	22.97			
15	16QAM	1	0	22.81	22.85	22.88			
15	16QAM	1	37	23.14	23.29	22.88	24	2	
15	16QAM	1	74	23.07	23.28	22.83			
15	16QAM	36	0	21.78	22.09	21.91			
15	16QAM	36	20	21.90	21.92	22.02	23	3	
15	16QAM	36	39	21.79	22.06	22.07			
15	16QAM	75	0	21.82	21.84	22.04			
15	256QAM	1	0	19.49	19.63	19.77	21	5	
15	256QAM	1	37	19.56	19.88	19.78			
15	256QAM	1	74	19.56	20.04	19.88			
15	256QAM	36	0	19.75	19.76	19.84	21	5	
15	256QAM	36	20	19.90	19.97	19.58			
15	256QAM	36	39	19.87	19.86	20.05			
15	256QAM	75	0	19.75	19.74	19.71			
Channel				2575	2595	2615	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				24.75	24.95	25.05			
10	QPSK	1	0	24.86	25.09	25.02	26	0	
10	QPSK	1	25	24.91	25.16	25.04			
10	QPSK	1	49	24.90	25.04	25.04			
10	QPSK	25	0	23.88	24.14	24.17	25	1	
10	QPSK	25	12	23.97	24.02	24.10			
10	QPSK	25	25	23.99	24.23	24.10			
10	QPSK	50	0	23.94	24.05	24.16	25	1	
10	16QAM	1	0	24.11	24.26	23.93			
10	16QAM	1	25	23.94	24.26	24.14			
10	16QAM	1	49	24.16	24.15	24.06	24	2	
10	16QAM	25	0	23.83	23.95	23.22			
10	16QAM	25	12	23.01	23.12	23.14			
10	16QAM	25	25	22.85	23.20	23.01	23	3	
10	16QAM	50	0	22.86	23.03	23.07			
10	16QAM	50	1	22.49	22.77	23.10			
10	16QAM	1	25	22.89	23.09	23.00	24	2	
10	16QAM	1	49	22.95	22.94	23.23			
10	16QAM	25	0	21.74	22.06	22.20			
10	16QAM	25	12	22.02	22.16	22.10	23	3	
10	16QAM	25	25	22.04	22.28	22.14			
10	16QAM	50	0	21.84	22.15	22.09			
10	256QAM	1	0	19.58	19.91	19.89	21	5	
10	256QAM	1	25	19.78	19.85	19.48			
10	256QAM	1	49	19.66	19.93	19.84			
10	256QAM	25	0	19.69	19.94	20.04	21	5	
10	256QAM	25	12	19.81	19.76	19.75			
10	256QAM	25	25	19.84	19.89	19.89			
10	256QAM	50	0	19.77	19.87	19.84			
Channel				37775	38000	38225	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.79	25.10	25.02	26	0	
5	QPSK	1	12	24.79	25.05	25.08			
5	QPSK	1	24	24.76	25.12	25.08			
5	QPSK	12	0	23.83	23.88	24.09	25	1	
5	QPSK	12	7	23.88	24.08	24.06			
5	QPSK	12	14	23.92	24.11	24.04			
5	QPSK	25	0	23.81	24.00	24.07	25	1	
5	16QAM	1	0	23.90	24.12	24.17			
5	16QAM	1	12	23.94	24.23	24.35			
5	16QAM	12	0	23.92	24.11	24.06	24	2	
5	16QAM	12	7	22.87	22.99	22.99			
5	16QAM	12	13	22.86	23.07	23.12			
5	16QAM	12	19	22.80	23.06	23.10	24	2	
5	16QAM	75	0	22.88	23.04	23.16			
5	16QAM	1	0	22.62	23.00	23.05			
5	16QAM	1	12	23.08	23.10	22.89	24	2	
5	16QAM	1	24	22.82	23.02	22.89			
5	16QAM	12	0	21.69	22.05	22.06			
5	16QAM	12	7	21.92	22.07	22.06	23	3	
5	16QAM	12	13	21.86	22.09	22.09			
5	16QAM	25	0	21.84	22.07	22.13			
5	256QAM	1	0	19.51	19.87	19.87	21	5	
5	256QAM	1	12	19.65	19.85	19.84			
5	256QAM	1	24	19.68	19.88	19.68			
5	256QAM	12	0	19.67	19.72	20.20	21	5	
5	256QAM	12	7	19.67	19.84	19.83			
5	256QAM	12	13	19.69	20.13	19.85			
5	256QAM	25	0	19.91	19.83	19.81			

Band 41_Ant 2													
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)	MPE (dB)			
Channel				39750	40185	40620	41055	41490					
Frequency (MHz)				40620	40995	41370	41745	42120					
20	QPSK	1	0	24.76	24.93	25.00	25.01	24.63	26	0			
20	QPSK	1	49	24.75	24.94	25.07	25.12	25.24					
20	QPSK	1	99	24.75	24.94	25.10	24.98	24.96					
20	QPSK	50	0	23.82	23.91	24.02	24.07	24.08					
20	QPSK	50	24	23.91	23.99	24.12	24.20	24.26					
20	QPSK	50	50	23.89	23.96	24.20	24.18	24.17	25	1			
20	QPSK	100	0	23.84	23.99	24.13	24.19	24.21					
20	16QAM	1	0	23.75	23.92	24.34	24.14	23.80					
20	16QAM	1	49	23.57	23.71	23.95	24.22	24.29					
20	16QAM	1	99	23.64	24.08	24.07	23.88	23.85					
20	16QAM	50	0	22.78	22.88	23.06	23.13	23.06	24	2			
20	16QAM	50	24	22.85	23.05	23.13	23.28	23.18					
20	16QAM	50	50	22.85	23.02	23.15	23.17	23.26					
20	16QAM	100	0	22.89	22.98	23.09	23.16	23.19					
20	64QAM	1	0	22.63	22.63	22.96	22.90	22.73					
20	64QAM	1	49	23.01	22.80	23.07	23.22	23.27	24	2			
20	64QAM	1	99	22.71	23.32	22.89	22.75	23.18					
20	64QAM	50	0	21.75	21.92	22.10	22.14	22.15					
20	64QAM	50	24	21.90	21.94	22.15	22.31	22.27					
20	64QAM	50	50	21.89	22.07	22.12	22.20	22.20					
20	64QAM	100	0	21.93	22.01	22.16	22.16	22.22	23	3			
20	256QAM	1	0	19.41	19.64	19.65	19.88	19.52					
20	256QAM	1	49	19.21	19.40	19.62	19.51	19.59					
20	256QAM	1	99	19.45	19.61	19.75	19.50	19.54					
20	256QAM	50	0	19.44	19.75	19.83	19.72	19.62					
20	256QAM	50	24	19.17	19.38	19.68	19.53	19.68	21	5			
20	256QAM	50	50	19.40	19.47	19.73	19.63	19.72					
20	256QAM	100	0	19.36	19.58	19.65	19.63	19.67					
Channel				39725	40173	40620	41056	41515					
Frequency (MHz)				40633	40483	40993	40773	40373					
15	QPSK	1	0	24.62	24.56	24.65	24.89	24.59	26	0			
15	QPSK	1	37	24.61	24.72	24.79	25.15	25.03					
15	QPSK	1	74	24.54	24.62	25.08	24.86	24.85					
15	QPSK	36	0	23.64	23.62	23.83	23.97	23.88					
15	QPSK	36	20	23.65	23.79	23.93	24.08	24.06					
15	QPSK	36	39	23.67	23.76	23.95	23.97	23.99	25	1			
15	QPSK	75	0	23.69	23.75	23.94	24.08	23.95					
15	16QAM	1	0	23.36	23.57	23.98	23.85	23.81					
15	16QAM	1	37	23.81	23.65	23.62	24.49	24.19					
15	16QAM	1	74	23.74	23.76	23.58	23.76	24.11					
15	16QAM	36	0	22.74	22.71	22.83	23.00	22.91	24	2			
15	16QAM	36	20	22.66	22.79	22.83	23.06	23.05					
15	16QAM	36	39	22.65	22.78	22.92	23.08	23.02					
15	16QAM	75	0	22.71	22.81	22.87	22.87	23.02					
15	64QAM	1	0	22.53	22.95	23.03	22.90	22.78					
15	64QAM	1	37	22.84	22.96	22.53	22.79	22.76	24	2			
15	64QAM	1	74	22.79	22.97	22.78	22.72	22.77					
15	64QAM	36	0	21.66	21.63	21.81	21.95	21.96					
15	64QAM	36	20	21.69	21.85	21.88	22.07	22.03					
15	64QAM	36	39	21.72	21.68	21.95	22.10	21.85					
15	64QAM	75	0	21.68	21.81	21.91	21.96	21.95	23	3			
15	256QAM	1	0	19.29	19.51	19.49	19.84	19.24					
15	256QAM	1	37	19.55	19.51	19.53	19.84	19.44					
15	256QAM	1	74	19.27	19.63	19.72	19.78	19.53					
15	256QAM	36	0	19.33	19.45	19.61	19.81	19.69					
15	256QAM	36	20	19.23	19.38	19.73	19.65	19.81	21	5			
15	256QAM	36	39	19.54	19.58	19.80	19.60	19.86					
15	256QAM	75	0	19.43	19.61	19.51	19.61	19.64					
Channel				39703	40160	40620	41050	41540					
Frequency (MHz)				40601	40547	40993	40939	40485					
10	QPSK	1	0	24.54	24.81	24.95	24.68	24.62	26	0			
10	QPSK	1	25	24.78	24.88	24.96	25.02	25.17					
10	QPSK	1	49	24.69	24.77	25.07	24.85	24.82					
10	QPSK	25	0	23.74	23.70	23.94	24.02	24.08					
10	QPSK	25	12	23.73	23.88	23.93	24.23	24.09					
10	QPSK	25	25	23.76	23.84	24.02	24.17	23.95	25	1			
10	QPSK	50	0	23.77	23.90	23.99	24.10	24.04					
10	16QAM	1	0	23.91	23.95	23.82	23.80	23.57					
10	16QAM	1	25	23.47	23.73	24.20	24.21	23.82					
10	16QAM	1	49	23.69	23.72	23.62	23.78	24.05					
10	16QAM	25	0	22.62	22.75	22.92	23.09	23.07	24	2			
10	16QAM	25	12	22.70	22.80	22.85	23.20	23.13					
10	16QAM	25	25	22.63	22.81	23.16	23.06	23.02					
10	16QAM	50	0	22.77	22.84	22.97	23.16	23.03					
10	64QAM	1	0	22.82	22.88	22.98	23.01	22.82					
10	64QAM	1	25	22.92	22.86	22.42	23.04	23.00	24	2			
10	64QAM	1	49	23.03	22.82	22.81	22.93	22.58					
10	64QAM	25	0	21.75	21.71	21.91	22.04	22.05					
10	64QAM	25	12	21.70	21.90	22.96	22.24	22.12					
10	64QAM	25	25	21.65	21.85	22.07	22.11	21.93					
10	64QAM	50	0	21.72	21.83	22.12	22.10	21.95	23	3			
10	256QAM	1	0	19.32	19.59	19.72	19.65	19.25					
10	256QAM	1	25	19.31	19.60	19.70	19.48	19.44					
10	256QAM	1	49	19.08	19.64	19.65	19.65	19.49					
10	256QAM	25	0	19.49	19.63	19.54	19.77	19.49					
10	256QAM	25	12	19.34	19.49	19.50	19.33	19.70	21	5			
10	256QAM	25	25	19.64	19.33	19.69	19.50	19.81					
10	256QAM	50	0	19.58	19.54	19.86	19.63	19.86					
Channel				39675	40148	40620	41053	41555					
Frequency (MHz)				2468.5	2545.8	2593	2645.35	2687.5					
5	QPSK	1	0	24.81	24.89	24.91	25.15	25.06	26	0			
5	QPSK	1	12	24.85	24.99	25.08	25.21	25.12					
5	QPSK	1	24	24.84	25.02	25.11	25.18	25.06					
5	QPSK	12	0	23.82	23.89	24.03	24.21	24.20					
5	QPSK	12	7	23.81	24.00	24.12	24.38	24.21	25	1			
5	QPSK	12	13	23.76	23.88	24.08	24.28	24.29					
5	QPSK	25	0	23.86	23.94	24.15	24.32	24.15					
5	16QAM	1	0	23.69	23.98	24.37	24.22	24.13					
5	16QAM	1	12	24.07	23.80	24.36	24.05	24.18					
5	16QAM	1	24	23.76	24.21	23.99	24.05	24.05	24	2			
5	16QAM	12	0	22.82	22.96	23.09	23.21	23.23					
5	16QAM	12	7	22.81	22.94	23.19	23.24	23.19					
5	16QAM	12	13	22.80	22.80	23.05	23.11	23.13					
5	16QAM	25	0	22.74	22.86	23.13	23.08	23.18					
5	64QAM	1	0	22.78	22.66	22.84	22.92	22.83	24	2			
5	64QAM	1	12	22.63	22.80	23.01	23.01	22.87					
5	64QAM	1	24	22.63	22.74	23.07	22.98	22.96					
5	64QAM	12	0	21.84	22.04	22.50	22.21	22.18					
5	64QAM	12	13	21.90	21.78	22.17	22.25	22.24					
5	64QAM	12	13	21.86	21.85	21.99	22.23	22.33	23	3			
5	64QAM	25	0	21.85	22.06	22.10	22.26	22.14					
5	256QAM	1	0	19.44	19.36	19.53	19.72	19.43					
5	256QAM	1	12	19.38	19.42	19.68	19.68	19.54					
5	256QAM	1	24	19.43	19.53	19.64	19.62	19.60					
5	256QAM	12	0	19.33	19.40	19.50	19.83	19.50	21	5			
5	256QAM	12	7	19.40	19.52	19.81	19.45	19.52					
5	256QAM	12	13	19.74	19.78	19.87	19.47	19.62					
5	256QAM	25	0	19.47	19.75	19.67	19.74	19.61					



ENDC Power for State 10

Band 2_Ant 1									
RF (MHz)	Modulation	RB Size	RB Offset	Power Pilot Ch./Freq.	Power Data Ch./Freq.	Power Pilot Ch./Freq.	Time-slot (sec)	MFR (dB)	
Channel									
Frequency (MHz)				18700	18800	18900			
30	QPSK	1	0	24.46	24.37	24.30	20	0	
30	QPSK	1	40	24.41	24.43	24.43			
30	QPSK	1	80	24.36	24.36	24.36			
30	QPSK	50	0	23.47	23.37	23.40			
30	QPSK	50	24	23.43	23.34	23.36	25	1	
30	QPSK	50	48	23.39	23.29	23.32			
30	QPSK	100	0	23.49	23.42	23.35			
30	QPSK	100	24	23.45	23.37	23.30			
30	QPSK	1	0	23.57	23.50	23.50	25	1	
30	QPSK	1	40	23.52	23.52	23.52			
30	QPSK	50	24	22.54	22.45	22.38			
30	QPSK	50	50	22.48	22.41	22.37			
30	QPSK	100	0	22.52	22.43	22.36	24	2	
30	QPSK	100	24	22.54	22.45	22.38			
30	QPSK	1	0	22.69	22.64	22.63			
30	QPSK	1	40	22.78	22.69	22.65			
30	QPSK	50	0	21.53	21.45	21.39	23	3	
30	QPSK	50	24	21.53	21.45	21.39			
30	QPSK	100	0	21.51	21.42	21.35			
30	QPSK	100	24	21.47	21.41	21.36			
30	QPSK	1	0	19.81	19.75	19.70	21	5	
30	QPSK	1	40	19.86	19.80	19.77			
30	QPSK	50	18	19.88	19.71	19.53			
30	QPSK	50	0	19.85	19.77	19.65			
30	QPSK	100	0	19.87	19.87	19.88	21	5	
30	QPSK	100	24	19.87	19.87	19.88			
30	QPSK	50	50	19.85	19.73	19.58			
30	QPSK	50	24	19.82	19.76	19.68			
Channel									
Frequency (MHz)				18850	18900	18950			
15	QPSK	1	0	24.38	24.32	24.30	20	0	
15	QPSK	1	40	24.38	24.32	24.30			
15	QPSK	1	80	24.33	24.30	24.30			
15	QPSK	50	0	23.47	23.36	23.40			
15	QPSK	50	24	23.43	23.30	23.36	25	1	
15	QPSK	50	48	23.37	23.27	23.32			
15	QPSK	36	0	23.41	23.31	23.30			
15	QPSK	36	36	23.38	23.31	23.30			
15	QPSK	72	0	23.41	23.31	23.30	25	1	
15	QPSK	72	36	23.38	23.31	23.30			
15	QPSK	1	0	23.56	23.67	23.70			
15	QPSK	1	74	23.58	23.62	23.65			
15	QPSK	1	74	23.58	23.62	23.65	25	1	
15	QPSK	1	74	23.58	23.62	23.65			
15	QPSK	36	20	22.45	22.43	22.50			
15	QPSK	36	20	22.42	22.43	22.50			
15	QPSK	72	0	22.43	22.43	22.44	24	2	
15	QPSK	72	0	22.41	22.42	22.44			
15	QPSK	1	0	22.61	22.65	22.68			
15	QPSK	1	0	22.61	22.65	22.68			
15	QPSK	1	74	22.62	22.65	22.67	24	2	
15	QPSK	1	74	22.62	22.65	22.67			
15	QPSK	36	20	21.48	21.38	21.51			
15	QPSK	36	20	21.48	21.38	21.51			
15	QPSK	72	0	21.47	21.41	21.45	23	3	
15	QPSK	72	0	21.47	21.41	21.45			
15	QPSK	72	0	21.42	21.44	21.50			
15	QPSK	72	0	21.42	21.44	21.50			
15	QPSK	1	37	19.58	19.51	19.45	21	5	
15	QPSK	1	74	19.60	19.70	19.74			
15	QPSK	1	74	19.60	19.70	19.74			
15	QPSK	36	20	19.45	19.38	19.40			
15	QPSK	36	20	19.45	19.38	19.40	21	5	
15	QPSK	36	20	19.45	19.38	19.40			
15	QPSK	36	20	19.45	19.38	19.40			
15	QPSK	36	20	19.45	19.38	19.40			
Channel									
Frequency (MHz)				18900	18950	19000			
5	QPSK	1	25	24.33	24.34	24.30	20	0	
5	QPSK	1	40	24.27	24.27	24.28			
5	QPSK	1	80	24.22	24.22	24.23			
5	QPSK	25	12	23.45	23.44	23.45			
5	QPSK	25	25	23.37	23.37	23.32	25	1	
5	QPSK	25	25	23.37	23.37	23.32			
5	QPSK	50	0	23.49	23.42	23.35			
5	QPSK	50	24	23.45	23.37	23.30			
5	QPSK	1	0	23.59	23.62	23.65	25	1	
5	QPSK	1	25	23.59	23.70	23.67			
5	QPSK	1	25	23.57	23.65	23.72			
5	QPSK	1	25	23.57	23.65	23.72			
5	QPSK	25	12	22.42	22.38	22.52	24	2	
5	QPSK	25	12	22.42	22.38	22.52			
5	QPSK	1	0	22.57	22.64	22.71			
5	QPSK	1	0	22.57	22.64	22.71			
5	QPSK	25	12	22.57	22.64	22.71	24	2	
5	QPSK	25	12	22.57	22.64	22.71			
5	QPSK	1	40	22.45	22.54	22.60			
5	QPSK	1	40	22.45	22.54	22.60			
5	QPSK	25	12	21.38	21.38	21.41	23	3	
5	QPSK	25	12	21.38	21.38	21.41			
5	QPSK	25	12	21.38	21.38	21.41			
5	QPSK	25	12	21.38	21.38	21.41			
5	QPSK	1	0	19.45	19.45	19.57	21	5	
5	QPSK	1	25	19.46	19.70	19.74			
5	QPSK	1	25	19.46	19.70	19.74			
5	QPSK	25	12	19.52	19.63	19.65			
5	QPSK	25	12	19.52	19.63	19.65	21	5	
5	QPSK	25	12	19.52	19.63	19.65			
5	QPSK	25	12	19.52	19.63	19.65			
5	QPSK	25	12	19.52	19.63	19.65			
Channel									
Frequency (MHz)				18950	18950	19000			
3	QPSK	1	0	24.24	24.34	24.30	20	0	
3	QPSK	1	0	24.24	24.34	24.30			
3	QPSK	1	0	24.19	24.28	24.24			
3	QPSK	8	0	23.43	23.42	23.40			
3	QPSK	8	0	23.43	23.42	23.40	25	1	
3	QPSK	8	0	23.43	23.42	23.40			
3	QPSK	8	0	23.43	23.42	23.40			
3	QPSK	8	0	23.43	23.42	23.40			
3	QPSK	15	0	23.34	23.34	23.33	25	1	
3	QPSK	15	0	23.34	23.34	23.33			
3	QPSK	15	0	23.34	23.34	23.33			
3	QPSK	15	0	23.34	23.34	23.33			
3	QPSK	1	14	23.60	23.67	23.81	25	1	
3	QPSK	1	14	23.60	23.67	23.81			
3	QPSK	8	4	22.45	22.50	22.58			
3	QPSK	8	4	22.45	22.50	22.58			
3	QPSK	8	7	22.40	22.39	22.38	24	2	
3	QPSK	8	7	22.40	22.39	22.38			
3	QPSK	1	0	22.59	22.59	22.75			
3	QPSK	1	0	22.59	22.59	22.75			
3	QPSK	8	4	21.44	21.42	21.62	23	3	
3	QPSK	8	4	21.44	21.42	21.62			
3	QPSK	15	0	21.41	21.38	21.50			
3	QPSK	15	0	21.41	21.38	21.50			
3	QPSK	1	0	19.78	19.48	19.52	21	5	
3	QPSK	1	0	19.78	19.48	19.52			
3	QPSK	8	0	19.52	19.70	19.68			
3	QPSK	8	0	19.52	19.70	19.68			
3	QPSK	8	7	19.30	19.40	19.40	21	5	
3	QPSK	8	7	19.30	19.40	19.40			
3	QPSK	15	0	19.48	19.56	19.60			
3	QPSK	15	0	19.48	19.56	19.60			
Channel									
Frequency (MHz)				18950	18950	19000			
1.4	QPSK	1	0	24.20	24.30	24.31	20	0	
1.4	QPSK	1	0	24.20	24.30	24.31			
1.4	QPSK	1	0	24.15	24.24	24.29			
1.4	QPSK	1	0	24.15	24.24	24.29			
1.4	QPSK	1	0	24.15	24.24	24.29	26	0	
1.4	QPSK	1	0	24.15	24.24	24.29			
1.4	QPSK	3	3	24.28	24.30	24.30			
1.4	QPSK	3	3	24.28	24.30	24.30			
1.4	QPSK	1	0	23.75	23.70	23.70	25	1	
1.4	QPSK	1	0	23.75	23.70	23.70			
1.4	QPSK	1	3	23.70	23.71	23.68			
1.4	QPSK	1	3	23.70	23.71	23.68			
1.4	QPSK	1	3	23.70	23.71	23.68	25	1	
1.4	QPSK	1	3	23.70	23.71	23.68			
1.4	QPSK	1	3	23.70	23.71	23.68			
1.4	QPSK	1	3	23.70	23.71	23.68			
1.4	QPSK	1	0	22.38	22.43	22.37	24	2	
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37	24	2	
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37	24	2	
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37	24	2	
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37	24	2	
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37	24	2	
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37	24	2	
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37			
1.4	QPSK	1	0	22.38	22.43	22.37	24	2	
1.4	QPSK	1	0	22.38</					



Band 5_Ant 0											
RF BPF	Modulation	RF Size	RF Offset	Power Ch./Freq.	Power Min./Ch./Freq.	Power Max./Ch./Freq.	Time-up (min)	MPN (dB)			
Channel Frequency (MHz)											
10	QPSK	1	5	24.47	24.51	24.58	20	0			
10	QPSK	1	25	24.51	24.55	24.67					
10	QPSK	1	45	24.47	24.58	24.64	25	1			
10	QPSK	25	5	23.53	23.60	23.67					
10	QPSK	25	12	23.51	23.61	23.73	25	1			
10	QPSK	25	25	23.58	23.61	23.71					
10	QPSK	50	5	23.59	23.66	23.68	25	1			
10	QPSK	50	12	23.66	23.69	23.75					
10	QPSK	1	25	23.51	23.64	23.69	25	1			
10	QPSK	1	45	23.50	24.02	24.09					
10	QPSK	25	12	22.63	22.69	22.78	24	2			
10	QPSK	25	25	22.65	22.69	22.71					
10	QPSK	50	5	22.65	22.69	22.78	24	2			
10	QPSK	50	12	22.63	22.80	22.71					
10	QPSK	1	25	22.72	22.83	22.85	24	2			
10	QPSK	1	45	22.76	22.83	22.85					
10	QPSK	25	5	21.05	21.81	21.76	23	3			
10	QPSK	25	12	21.87	21.63	21.71					
10	QPSK	25	25	21.08	21.08	21.76	21	5			
10	QPSK	50	5	19.82	19.33	19.84					
10	QPSK	1	25	20.11	20.04	19.82	21	5			
10	QPSK	1	45	19.88	20.06	20.11					
10	QPSK	25	5	19.77	19.36	19.83	21	5			
10	QPSK	25	12	19.88	19.32	19.85					
10	QPSK	25	25	19.88	19.36	19.88	20	5			
10	QPSK	50	5	19.84	19.37	19.85					
Channel Frequency (MHz)											
5	QPSK	1	5	24.41	24.45	24.55	20	0			
5	QPSK	1	25	24.47	24.51	24.60					
5	QPSK	1	24	24.45	24.48	24.52	25	1			
5	QPSK	12	5	23.41	23.47	23.58					
5	QPSK	12	7	23.49	23.58	23.64	25	1			
5	QPSK	12	13	23.48	23.53	23.64					
5	QPSK	25	5	23.48	23.53	23.58	25	1			
5	QPSK	25	12	23.43	23.53	23.60					
5	QPSK	1	12	23.83	23.82	24.01	25	1			
5	QPSK	1	24	23.76	23.84	23.90					
5	QPSK	1	24	23.76	23.84	23.90	24	2			
5	QPSK	12	5	22.85	22.86	22.95					
5	QPSK	12	7	22.83	22.85	22.73	24	2			
5	QPSK	12	13	22.81	22.80	22.86					
5	QPSK	1	24	22.85	22.86	22.95	24	2			
5	QPSK	1	24	22.85	22.86	22.95					
5	QPSK	1	5	22.75	22.82	22.80	24	2			
5	QPSK	1	12	22.67	22.72	22.84					
5	QPSK	1	24	22.76	22.82	22.84	23	3			
5	QPSK	12	5	21.81	21.81	21.86					
5	QPSK	12	7	21.80	21.87	21.86	21	5			
5	QPSK	12	13	21.82	21.87	21.86					
5	QPSK	25	5	21.59	21.54	21.58	21	5			
5	QPSK	25	12	19.88	19.81	19.73					
5	QPSK	1	12	19.88	19.83	19.87	21	5			
5	QPSK	1	24	19.88	19.82	19.86					
5	QPSK	12	5	19.72	19.88	19.81	21	5			
5	QPSK	12	13	19.85	19.86	19.80					
5	QPSK	25	25	19.85	19.86	19.80	20	5			
5	QPSK	50	5	19.84	19.83	19.86					
Channel Frequency (MHz)											
3	QPSK	1	5	24.41	24.45	24.55	20	0			
3	QPSK	1	14	24.38	24.47	24.61					
3	QPSK	1	14	24.38	24.47	24.61	25	1			
3	QPSK	8	4	23.53	23.62	23.67					
3	QPSK	8	7	23.53	23.61	23.72	25	1			
3	QPSK	15	5	23.46	23.57	23.62					
3	QPSK	1	5	23.57	23.67	23.65	25	1			
3	QPSK	1	8	23.50	23.66	24.14					
3	QPSK	1	14	23.74	23.93	23.99	25	1			
3	QPSK	1	5	22.82	22.87	22.77					
3	QPSK	8	4	22.83	22.84	22.78	24	2			
3	QPSK	8	7	22.85	22.88	22.82					
3	QPSK	15	5	22.85	22.89	22.91	24	2			
3	QPSK	1	14	22.77	22.81	22.85					
3	QPSK	1	15	22.77	22.81	22.86	24	2			
3	QPSK	1	15	22.77	22.81	22.86					
3	QPSK	1	5	22.84	22.87	22.82	24	2			
3	QPSK	1	5	22.84	22.81	22.86					
3	QPSK	3	5	22.84	22.81	22.86	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK	3	3	22.85	22.82	22.82	24	2			
3	QPSK	3	3	22.85	22.82	22.82					
3	QPSK										



Band 7_Ant 11										
RF (MHz)	Modulation	RF Size	RF Offset	Power/ Ch / Freq	Power/ Ch / Freq	Power/ Ch / Freq	Time-out (min)	MFR (dB)		
Channel										
Frequency (MHz)				2500	2150	2150				
30	QPSK	1	0	22.72	22.79	22.81				
20	QPSK	1	40	22.80	22.86	22.88			24.5	0
20	QPSK	1	50	22.85	22.91	22.93				
20	QPSK	50	5	21.93	22.03	22.01				
20	QPSK	50	24	22.00	22.10	22.10			23.5	1
20	QPSK	50	35	21.98	22.05	22.01				
20	QPSK	100	0	21.97	22.06	22.08				
20	QPSK	1	5	22.10	22.20	22.08				
20	QPSK	1	40	22.13	22.21	22.24			23.5	1
20	QPSK	1	50	22.21	22.32	22.24				
20	QPSK	50	5	20.97	21.06	21.04				
20	QPSK	50	24	20.98	21.14	21.10			22.5	2
20	QPSK	50	35	20.97	21.07	21.04				
20	QPSK	100	0	21.00	21.14	21.10				
20	QPSK	1	40	21.16	21.19	21.23			22.5	2
20	QPSK	1	50	21.26	21.17	21.20				
20	QPSK	50	5	19.95	19.97	19.91				
20	QPSK	50	24	20.04	20.16	20.13			21.5	3
20	QPSK	50	35	19.98	20.08	20.05				
20	QPSK	100	0	19.98	20.15	20.10				
20	QPSK	1	5	18.93	18.16	18.13			19.5	5
20	QPSK	1	40	18.98	18.16	18.12				
20	QPSK	50	5	17.81	17.82	17.86				
20	QPSK	50	24	17.77	17.88	17.82			19.5	5
20	QPSK	50	35	17.72	17.81	17.74				
20	QPSK	100	0	17.83	17.85	17.86				
Channel										
Frequency (MHz)				2500.5	2530	2560.5	Time-out (min)	MFR (dB)		
15	QPSK	1	0	22.84	22.88	22.84				
15	QPSK	1	37	22.80	22.86	22.87			24.5	0
15	QPSK	1	74	22.92	22.98	22.98				
15	QPSK	35	5	21.99	22.08	22.05				
15	QPSK	35	24	22.00	22.10	22.12			23.5	1
15	QPSK	35	35	21.98	22.07	22.07				
15	QPSK	75	5	21.97	22.14	22.13				
15	QPSK	1	40	22.00	22.06	22.08				
15	QPSK	1	37	22.08	22.25	22.26			22.5	1
15	QPSK	1	74	22.21	22.29	22.30				
15	QPSK	35	5	21.04	21.15	21.07				
15	QPSK	35	24	21.01	21.17	21.15			22.5	2
15	QPSK	35	35	21.00	21.08	21.09				
15	QPSK	75	5	21.00	21.16	21.12				
15	QPSK	1	37	21.14	21.26	21.20			22.5	2
15	QPSK	1	74	21.20	21.25	21.24				
15	QPSK	35	5	20.09	20.11	20.11			21.5	3
15	QPSK	35	24	20.01	20.16	20.16				
15	QPSK	35	35	20.01	20.07	20.10				
15	QPSK	75	5	19.00	19.17	19.10			19.5	5
15	QPSK	1	37	19.00	19.16	19.10				
15	QPSK	1	74	19.01	17.89	17.82				
15	QPSK	35	24	17.90	17.91	17.80			19.5	5
15	QPSK	35	35	17.82	17.82	17.84				
15	QPSK	75	5	17.81	17.86	17.80				
Channel										
Frequency (MHz)				2500.5	2530	2560.5	Time-out (min)	MFR (dB)		
10	QPSK	1	0	22.80	22.85	22.84				
10	QPSK	1	12	22.84	22.93	22.93			24.5	0
10	QPSK	1	24	22.89	22.99	22.90				
10	QPSK	25	5	21.96	22.05	22.04				
10	QPSK	25	12	22.00	22.10	22.11			23.5	1
10	QPSK	24	25	21.91	22.03	22.11				
10	QPSK	50	5	21.96	22.09	22.08				
10	QPSK	1	5	22.03	22.14	22.06				
10	QPSK	1	40	22.20	22.46	22.38			23.5	1
10	QPSK	1	40	22.43	22.47	22.57				
10	QPSK	25	5	20.90	21.00	21.00				
10	QPSK	25	12	21.04	21.13	21.13			22.5	2
10	QPSK	25	25	20.94	21.08	21.14				
10	QPSK	50	5	21.02	21.11	21.10				
10	QPSK	1	5	21.14	21.19	21.21			22.5	2
10	QPSK	1	25	21.22	21.33	21.28				
10	QPSK	1	40	21.10	21.28	21.24				
10	QPSK	25	5	19.98	20.08	20.07				
10	QPSK	25	12	20.04	20.07	20.10			21.5	3
10	QPSK	25	25	19.91	20.06	20.14				
10	QPSK	50	5	20.00	20.10	20.12				
10	QPSK	1	5	19.98	19.94	19.95			19.5	5
10	QPSK	1	25	18.16	17.92	17.90				
10	QPSK	1	40	18.13	17.87	17.80				
10	QPSK	25	5	17.94	17.76	17.79			19.5	5
10	QPSK	25	12	17.76	17.93	17.81				
10	QPSK	25	25	17.69	17.91	17.87				
10	QPSK	50	5	17.81	17.85	17.73				
Channel										
Frequency (MHz)				2502.5	2530	2562.5	Time-out (min)	MFR (dB)		
5	QPSK	1	0	22.81	22.82	22.82				
5	QPSK	1	12	22.84	22.94	22.94			24.5	0
5	QPSK	1	24	22.89	22.99	22.91				
5	QPSK	12	5	21.97	21.96	22.00				
5	QPSK	12	7	21.91	22.06	22.10			23.5	1
5	QPSK	12	13	21.93	22.02	22.12				
5	QPSK	25	5	21.96	22.03	22.05				
5	QPSK	1	5	22.03	22.36	22.26				
5	QPSK	1	12	22.28	22.34	22.48			23.5	1
5	QPSK	1	24	22.28	22.47	22.38				
5	QPSK	12	5	20.90	21.05	21.04				
5	QPSK	12	7	20.94	21.12	21.17			22.5	2
5	QPSK	12	13	20.98	21.08	21.14				
5	QPSK	25	5	20.99	21.05	21.07				
5	QPSK	1	5	21.15	21.17	21.16			22.5	2
5	QPSK	1	12	21.20	21.30	21.34				
5	QPSK	1	24	21.21	21.39	21.31				
5	QPSK	12	5	19.95	20.03	20.05			21.5	3
5	QPSK	12	13	19.98	20.09	20.15				
5	QPSK	25	5	19.99	20.07	20.05				
5	QPSK	1	5	18.15	18.04	17.90			19.5	5
5	QPSK	1	12	18.07	17.97	18.04				
5	QPSK	1	24	17.98	17.89	17.88				
5	QPSK	12	5	17.81	18.02	18.02			19.5	5
5	QPSK	12	7	17.86	18.01	17.73				
5	QPSK	12	13	17.82	17.72	17.80				
5	QPSK	25	5	17.86	17.98	17.80				

Band 12_Ant 0										
RF (MHz)	Modulation	RF Size	RF Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Time-out (min)	MFR (dB)		
Channel										
Frequency (MHz)				2500	2500	2500				
				704	704	711				
10	QPSK	1	0	24.09	24.07	24.13				
10	QPSK	1	25	24.19	24.21	24.20			26	0
10	QPSK	1	40	24.20	24.20	24.20				
10	QPSK	25	0	23.16	23.17	23.23				
10	QPSK	25	12	23.20	23.20	23.20				
10	QPSK	25	24	23.25	23.28	23.30	25	1		
10	QPSK	50	0	23.26	23.28	23.38				
10	QPSK	50	0	23.26	23.29	23.30				
10	QPSK	50	24	23.28	23.30	23.30				
10	QPSK	1	40	23.31	23.70	23.70				
10	QPSK	25	0	22.22	22.20	22.25				
10	QPSK	25	12	22.22	22.21	22.21				
10	QPSK	25	24	22.28	22.30	22.40	24	2		
10	QPSK	50	0	22.28	22.30	22.30				
10	QPSK	1	5	22.30	22.32	22.42				
10	QPSK	1	25	22.44	22.47	22.50	24	2		
10	QPSK	1	40	22.50	22.56	22.50				
10	QPSK	25	5	21.21	21.21	21.24				
10	QPSK	25	12	21.27	21.30	21.29	22	3		
10	QPSK	25	24	21.28	21.30	21.30				
10	QPSK	50	5	21.26	21.29	21.30				
10	QPSK	1	0	19.24	19.41	19.38				
10	QPSK	1	25	19.33	19.33	19.31				
10	QPSK	1	40	19.42	19.48	19.27				
10	QPSK	25	5	19.46	19.28	19.37				
10	QPSK	25	12	19.46	19.46	19.38				
10	QPSK	25	24	19.52	19.54	19.54	21	5		
10	QPSK	50	0	19.42	19.38	19.48				
Channel										
Frequency (MHz)				701.5	707.5	713.5	Time-out (min)	MFR (dB)		
5	QPSK	1	0	24.10	24.13	24.08				
5	QPSK	1	12	24.24	24.27	24.38			26	0
5	QPSK	1	24	24.24	24.24	24.24				
5	QPSK	12	0	23.16	23.18	23.28				
5	QPSK	12	24	23.28	23.27	23.38			25	1
5	QPSK	24	0	23.22	23.24	23.34				
5	QPSK	25	0	23.22	23.24	23.34				
5	QPSK	1	0	23.48	23.48	23.63				
5	QPSK	1	12	23.52	23.54	23.63	21	5		
5	QPSK	1	24	23.56	23.55	23.68				
5	QPSK	12	0	22.22	22.21	22.33				
5	QPSK	12	24	22.30	22.33	22.37				
5	QPSK	25	0	22.26	22.30	22.41	24	2		
5	QPSK	1	12	22.46	22.47	22.57				
5	QPSK	1	24	22.44	22.44	22.56				
5	QPSK	12	7	21.30	21.32	21.41			22	3
5	QPSK	12	12	21.24	21.29	21.40				
5	QPSK	1	0	19.24	19.26	19.31				
5	QPSK	1	0	19.30	19.44	19.42				
5	QPSK	1	12	19.52	19.52	19.55				
5	QPSK	1	12	19.46	19.46	19.29				
5	QPSK	12	0	19.46	19.26	19.26				
5	QPSK	12	7	19.40	19.17	19.27			21	5
5	QPSK	12	12	19.47	19.44	19.44				
5	QPSK	25	0	19.24	19.50	19.37				
Channel										
Frequency (MHz)				2501.7	2506.9	2510.9	Time-out (min)	MFR (dB)		
3	QPSK	1	0	24.10	24.16	24.11				
3	QPSK	1	8	24.22	24.25	24.36			26	0
3	QPSK	1	16	24.22	24.22	24.22				
3	QPSK	8	0	23.26	23.21	23.32				
3	QPSK	8	4	23.24	23.28	23.42				
3	QPSK	8	12	23.24	23.24	23.28			25	1
3	QPSK	16	0	23.20	23.24	23.28				
3	QPSK	1	0	23.53	23.48	23.68				
3	QPSK	1	8	23.52	23.52	23.67				
3	QPSK	1	16	23.47	23.53	23.63	25	1		
3	QPSK	8	0	22.31	22.30	22.41				
3	QPSK	8	4	22.37	22.37	22.48				
3	QPSK	8	7	22.32	22.32	22.42	24	2		
3	QPSK	15	0	22.26	22.28	22.33				
3	QPSK	1	0	22.41	22.41	22.51				
3	QPSK	8	7	22.44	22.43	22.51	22	2		
3	QPSK	1	16	22.39	22.43	22.55				
3	QPSK	8	4	21.33	21.39	21.45			22	3
3	QPSK	8	7	21.22	21.27	21.42				
3	QPSK	15	0	21.28	21.30	21.33				
3	QPSK	1	0	19.28	19.38	19.35				
3	QPSK	8	0	19.46	19.41	19.68	21	5		
3	QPSK	8	4	19.46	19.46	19.36				
3	QPSK	8	7	19.40	19.38	19.37				
3	QPSK	15	0	19.34	19.31	19.38			21	5
3	QPSK	1	0	19.54	19.54	19.54				
3	QPSK	15	0	19.24	19.10	19.25				
Channel										
Frequency (MHz)				2517.7	2518	2517.1	Time-out (min)	MFR (dB)		
1.4	QPSK	1	0	24.17	24.16	24.11				
1.4	QPSK	1	3	24.19	24.20	24.20				
1.4	QPSK	1	5	24.22	24.10	24.20			26	0
1.4	QPSK	1	24	24.23	24.23	24.23				
1.4	QPSK	3	0	24.22	24.20	24.28				
1.4	QPSK	3	3	24.19	24.22	24.30				
1.4	QPSK	3	18	24.22	24.22	24.22	25	1		
1.4	QPSK	1	0	23.57	23.53	23.58				
1.4	QPSK	1	3	23.63	23.57	23.78				
1.4	QPSK	1	5	23.61	23.51	23.88				
1.4	QPSK	3	0	23.38	23.40	23.51			25	1
1.4	QPSK	3	3	23.40	23.38	23.54				
1.4	QPSK	3	18	23.33	23.34	23.43				
1.4	QPSK	1	0	22.30	22.27	22.37				
1.4	QPSK	1	6	22.30	22.34	22.39	22	2		
1.4	QPSK	1	12	22.41	22.42	22.50				
1.4	QPSK	1	5	22.41	22.42	22.52				
1.4	QPSK	1	5	22.41	22.43	22.54	24	2		
1.4	QPSK	3	3	22.29	22.33	22.50				
1.4	QPSK	3	3	22.33	21.23	22.54	22	3		
1.4	QPSK	1	0	19.29	19.44	19.27				
1.4	QPSK	1	3	19.36	19.37	19.38				
1.4	QPSK	1	5	19.52	19.41	19.22	21	5		
1.4	QPSK	1	12	19.46	19.46	19.46				
1.4	QPSK	3	1	19.22	19.26	19.40				
1.4	QPSK	3	3	19.29	19.29	19.29				
1.4	QPSK	6	0	19.22	19.50	19.21	21	5		

Band 30_Ant 2									
BS (MHz)	Modulation	RB Size	RB Offset	Power (W) Ch1 / Freq	Power (W) Ch2 / Freq	Power (W) Ch3 / Freq	Turnup time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
27735									
5	QPSK	1	0	17.07					
5	QPSK	1	20	17.47					18
5	QPSK	1	40	17.86					
5	QPSK	25	0	16.49					
5	QPSK	25	12	16.41					
5	QPSK	25	24	16.76					17
5	QPSK	50	0	16.37					
5	WQAM	1	0	16.55					
5	WQAM	1	20	16.26					17
5	WQAM	1	40	16.94					
5	WQAM	25	0	16.52					
5	WQAM	25	12	16.45					
5	WQAM	25	24	16.80					16
5	WQAM	50	0	16.80					
5	WQAM	1	40	16.47					
5	WQAM	1	20	15.81					16
5	WQAM	1	40	16.79					
5	WQAM	25	0	16.41					
5	WQAM	25	12	16.41					
5	WQAM	25	24	16.79					15
5	WQAM	50	0	16.81					
5	25QAM	1	0	12.17					
5	25QAM	1	20	12.11					13
5	25QAM	1	40	12.35					
5	25QAM	25	0	12.34					
5	25QAM	25	12	12.27					13
5	25QAM	25	24	12.42					
5	25QAM	50	0	12.48					
Channel									
Frequency (MHz)									
27765									
27775									
27775									
Turnup time (dBm)									
MFR (dB)									
5	QPSK	1	0	17.07	17.01	17.20			
5	QPSK	1	12	17.84	17.76	17.76			18
5	QPSK	1	24	17.75	17.87	17.74			
5	QPSK	12	0	16.25	16.25	16.40			
5	QPSK	12	7	16.06	16.00	16.00			17
5	QPSK	12	11	16.06	16.00	16.00			
5	QPSK	25	0	16.41	16.36	16.40			
5	WQAM	1	0	16.29	16.18	16.26			17
5	WQAM	1	12	16.32	16.12	16.34			
5	WQAM	1	24	16.08	16.02	16.78			
5	WQAM	12	0	15.34	15.30	15.40			
5	WQAM	12	7	15.34	15.43	15.44			
5	WQAM	12	11	15.46	15.51	15.47			16
5	WQAM	25	0	15.50	15.54	15.87			
5	WQAM	25	12	15.50	15.52	15.76			
5	WQAM	1	12	15.02	15.02	15.10			16
5	WQAM	1	24	15.52	15.71	15.78			
5	WQAM	12	0	14.56	14.56	14.58			15
5	WQAM	12	12	14.79	14.78	14.71			
5	WQAM	12	13	14.67	14.57	14.54			
5	WQAM	25	0	14.56	14.56	14.58			
5	25QAM	1	0	11.96	12.11	12.15			
5	25QAM	1	12	12.05	12.03	12.08			
5	25QAM	1	24	12.36	12.36	12.38			
5	25QAM	12	0	12.10	12.10	12.17			13
5	25QAM	12	7	12.07	12.04	12.34			
5	25QAM	12	11	12.38	12.46	12.33			13
5	25QAM	25	0	12.25	12.38	12.28			

Band 66 Ant 1									
BS ID	Multicast	RS SS	RS OFDM	Power [dBm] [dBm]	Power [dBm] [dBm]	Power [dBm] [dBm]	Turnup time (min)	MFR (dB)	
Channel				130302	130302	130302			
15	FRONTIER	1	0	24.35	24.35	24.35			
15	GPTR	1	49	24.47	24.42	24.52	28	0	
15	GPTR	50	0	24.46	24.39	24.56			
15	GPTR	50	0	23.48	23.43	23.57			
15	GPTR	50	24	23.50	23.50	23.58	25		
15	GPTR	105	0	23.48	23.43	23.56			
15	GPTR	105	0	23.53	23.48	23.55			
15	HQAGM	1	0	24.78	24.71	23.78			
15	HQAGM	1	59	23.68	23.68	23.68	25	1	
15	HQAGM	1	59	23.68	23.68	23.71			
15	HQAGM	50	0	22.49	22.45	23.51			
15	HQAGM	50	0	22.51	22.51	23.57			
15	HQAGM	50	50	22.52	22.47	23.57	24		
15	HQAGM	105	0	22.55	22.49	23.57			
15	HQAGM	105	0	21.62	21.62	23.57			
15	HQAGM	1	49	22.80	22.85	23.50	24	2	
15	HQAGM	1	99	22.58	22.54	22.64			
15	HQAGM	50	24	21.96	21.92	23.54			
15	HQAGM	50	24	21.96	21.92	23.52	23	3	
15	HQAGM	50	50	21.90	21.48	23.54			
15	HQAGM	105	0	21.82	21.47	23.54			
15	HQAGM	1	0	19.41	19.39	19.47			
15	HQAGM	1	49	19.32	19.37	19.37	21	5	
15	HQAGM	1	49	19.32	19.37	19.47			
15	HQAGM	50	0	19.38	19.38	19.40			
15	HQAGM	50	24	19.30	19.47	19.51	21	5	
15	HQAGM	50	24	19.30	19.47	19.51			
15	HQAGM	105	0	19.45	19.42	19.50			
Channel				130307	130303	130307	Turnup time (min)	MFR (dB)	
15	FRONTIER (BBS)	1	0	24.35	24.31	24.35			
15	GPTR	1	37	24.43	24.41	24.52	28	0	
15	GPTR	1	74	24.42	24.39	24.43			
15	GPTR	1	74	24.44	24.37	24.43			
15	GPTR	36	26	23.53	23.47	23.54	25	1	
15	GPTR	36	26	23.53	23.47	23.54			
15	GPTR	75	0	23.47	23.43	23.53			
15	GPTR	75	0	23.47	23.43	23.53			
15	HQAGM	1	0	23.88	23.83	23.81			
15	HQAGM	1	74	23.79	23.79	23.79	25	1	
15	HQAGM	74	23	23.68	23.63	23.68			
15	HQAGM	36	0	22.45	22.45	22.48			
15	HQAGM	36	0	22.45	22.45	22.48			
15	HQAGM	36	39	22.49	22.44	22.54	24		
15	HQAGM	79	0	22.51	22.48	22.51			
15	HQAGM	79	0	22.51	22.48	22.51			
15	HQAGM	1	37	22.71	22.72	22.75	24	2	
15	HQAGM	1	74	22.62	22.53	22.65			
15	HQAGM	36	26	21.78	21.78	21.85			
15	HQAGM	36	26	21.82	21.45	21.85	21	3	
15	HQAGM	36	39	21.80	21.42	21.52			
15	HQAGM	79	0	21.46	21.46	21.52			
15	HQAGM	79	0	19.34	19.29	19.35			
15	HQAGM	1	37	19.43	19.29	19.50	21	5	
15	HQAGM	1	74	19.51	19.41	19.51			
15	HQAGM	36	0	19.26	19.27	19.27			
15	HQAGM	36	0	19.26	19.27	19.27			
15	HQAGM	36	39	19.37	19.33	19.44	21	5	
15	HQAGM	79	0	19.30	19.30	19.35			
15	HQAGM	79	0	19.31	19.30	19.35			

Band 66_Ant 2									
RF (MHz)	Modulation	File Size	RF Offset	Power Ch. Freq.	Power Ch. Freq.	Power Ch. Freq.	Time-on-air	Light On/Off	
Channel									
Channel 134010									
20	QPSK	1	0	22.07	22.07	22.07	24.5	0	
20	QPSK	1	49	28.88	22.81	23.11			
20	QPSK	36	0	22.07	22.07	22.07			
20	QPSK	56	0	21.85	21.84	21.85			
20	QPSK	50	24	21.87	21.88	22.15	23.5		
20	QPSK	50	24	21.87	21.88	22.15			
20	QPSK	100	0	21.84	21.85	22.15			
20	QPSK	50	0	22.21	22.21	22.28			
20	QPSK	50	0	22.28	22.28	22.28	23.5	1	
20	QPSK	50	0	22.32	22.05	22.32			
20	QPSK	50	0	20.85	20.86	21.04			
20	QPSK	50	24	20.87	20.87	20.98	22.5	2	
20	QPSK	50	0	20.94	20.95	21.12			
20	QPSK	100	0	20.88	20.88	21.05			
20	QPSK	50	0	21.07	21.07	21.07	22.5	2	
20	QPSK	50	49	21.11	21.08	21.32			
20	QPSK	1	59	21.19	21.48	21.19			
20	QPSK	50	0	21.87	21.87	21.87	21.5	3	
20	QPSK	50	24	19.87	19.95	20.07			
20	QPSK	50	50	19.89	19.93	20.05			
20	QPSK	100	0	19.87	19.87	19.87			
20	QPSK	50	0	17.85	17.85	18.04			
20	QPSK	1	49	18.04	17.86	17.86	19.5	5	
20	QPSK	50	0	17.85	17.85	17.85			
20	QPSK	50	0	17.87	17.87	17.87			
20	QPSK	50	24	17.85	17.88	18.04	19.5	5	
20	QPSK	50	0	17.87	17.87	17.87			
20	QPSK	100	0	17.87	17.88	18.04			
Channel									
Channel 134012									
15	QPSK	1	0	22.07	22.07	22.07	24.5	0	
15	QPSK	1	37	22.83	22.82	23.03			
15	QPSK	1	74	20.85	20.95	21.10			
15	QPSK	36	0	21.78	21.78	21.89	23.5	1	
15	QPSK	36	0	21.89	21.81	22.09			
15	QPSK	36	0	21.89	21.81	22.09			
15	QPSK	56	0	21.86	21.85	21.87			
15	QPSK	50	74	22.26	22.12	22.32	23.5	1	
15	QPSK	36	0	20.88	20.84	20.91			
15	QPSK	50	0	20.92	20.92	20.92	22.5	2	
15	QPSK	75	0	20.77	20.81	21.10			
15	QPSK	50	0	20.84	20.84	20.84			
15	QPSK	36	0	21.15	21.15	21.25			
15	QPSK	1	74	22.22	21.48	21.62			
15	QPSK	36	0	19.87	19.87	19.87	21.5	3	
15	QPSK	36	0	19.79	19.82	20.03			
15	QPSK	36	0	19.80	19.80	19.80			
15	QPSK	50	0	17.86	17.86	17.86			
15	QPSK	36	0	18.08	17.88	17.87	19.5	5	
15	QPSK	36	0	17.84	17.75	17.75			
15	QPSK	36	0	17.83	17.88	18.05			
15	QPSK	36	0	17.83	17.83	17.83	19.5	5	
15	QPSK	75	0	17.95	17.92	18.06			

Band 66_Ant 11									
RF Mod	Modulation	RF Size	RF Offset	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Turn-on time (min)	Light (m)	
Channel				132947	132952	132957			
Channel (MHz)									
26	QPSK	1	0	18.85	18.85	18.85			
26	QPSK	1	48	18.85	18.85	18.75	21.5	0	
26	QPSK	1	96	18.85	18.85	18.75			
26	QPSK	50	0	18.82	18.80	18.75			
26	QPSK	50	24	18.83	18.82	18.74	20.5		
26	QPSK	50	48	18.83	18.82	18.74			
26	QPSK	100	0	18.85	18.85	18.75			
26	16QAM	1	0	17.79	18.60	18.50			
26	16QAM	1	48	17.79	18.60	18.50	20.5	1	
26	16QAM	1	96	17.79	18.60	18.50			
26	16QAM	50	0	17.85	17.85	17.72			
26	16QAM	50	24	17.85	17.85	17.72	19.5	2	
26	16QAM	50	48	17.85	17.85	17.72			
26	16QAM	100	0	17.81	17.86	17.69			
26	16QAM	100	24	17.81	17.86	17.69			
26	16QAM	100	48	17.81	17.86	17.69			
26	8QAM	1	0	14.74	14.81	14.84	18.5	3	
26	8QAM	1	48	14.80	14.71	14.54	16.5	5	
26	8QAM	1	96	14.82	14.82	14.74			
26	8QAM	50	0	14.82	14.82	14.76			
26	8QAM	50	24	14.80	14.70	14.68	16.5	5	
26	8QAM	50	48	14.82	14.82	14.76			
26	8QAM	100	0	14.80	14.80	14.83			
Channel				132947	132952	132957			
Channel (MHz)									
15	QPSK	1	0	19.84	19.85	19.87			
15	QPSK	1	37	19.84	19.83	19.82	21.5	0	
15	QPSK	1	74	19.82	19.83	19.81			
15	QPSK	1	111	19.84	19.82	19.81			
15	QPSK	50	0	18.85	18.85	18.84	20.5	1	
15	QPSK	50	37	18.85	18.85	18.84			
15	QPSK	50	74	18.85	18.84	18.83			
15	16QAM	1	0	18.85	18.85	18.85			
15	16QAM	1	37	18.85	18.85	18.85	20.5	1	
15	16QAM	1	74	18.83	18.83	18.81			
15	16QAM	1	111	17.80	17.88	17.87			
15	16QAM	50	0	17.84	17.85	17.84	19.5	2	
15	16QAM	50	37	17.84	17.83	17.80			
15	16QAM	50	74	17.84	17.85	17.81			
15	16QAM	100	0	17.84	17.88	17.84			
15	8QAM	1	0	17.72	17.74	17.74			
15	8QAM	1	37	17.74	17.72	17.71			
15	8QAM	1	74	17.74	17.74	17.71			
15	8QAM	50	0	16.85	16.87	16.87	18.5	3	
15	8QAM	50	37	16.85	16.85	16.84			
15	8QAM	50	74	16.85	16.85	16.84			
15	8QAM	100	0	14.80	14.80	14.77			
15	8QAM	1	37	14.81	14.85	14.84	16.5	5	
15	8QAM	1	74	14.81	14.82	14.80			
15	8QAM	1	111	14.80	14.81	14.80			
15	8QAM	50	0	14.80	14.85	14.86	16.5	5	
15	8QAM	50	37	14.80	14.85	14.86			

Chemical		181002	181023	181025	Turnup time (hr)	MPH (hr)
	Frequency (MHz)	24.41	24.36	24.45		
10	QPR18	1	25	24.44	24.38	24.45
10	QPR18	1	49	24.36	24.32	24.44
10	QPR18	1	73	24.48	24.43	24.45
10	QPR18	1	22	23.84	23.47	23.50
10	QPR18	26	25	23.52	23.43	23.50
10	QPR18	1	6	23.44	23.40	23.46
10	HQPR18	1	0	23.79	23.84	23.84
10	HQPR18	1	26	23.81	23.72	23.87
10	HQPR18	1	20	23.88	23.72	23.88
10	HQPR18	26	0	22.52	22.41	22.52
10	HQPR18	26	12	22.59	22.49	22.55
10	HQPR18	50	0	22.56	22.55	22.56
10	HQPR18	50	0	22.56	22.45	22.51
10	HQPR18	1	25	22.74	22.64	22.69
10	HQPR18	1	49	22.82	22.58	22.70
10	HQPR18	26	0	21.48	21.40	21.51
10	HQPR18	26	12	21.58	21.50	21.63
10	HQPR18	50	0	21.03	21.44	21.58
10	HQPR18	50	0	21.03	21.46	21.56
10	HQPR18	50	0	19.15	19.15	19.15
10	HQPR18	1	25	19.26	19.11	19.38
10	HQPR18	1	49	19.26	19.11	19.38
10	HQPR18	26	0	19.18	19.13	19.18
10	HQPR18	26	12	19.26	19.27	19.25
10	HQPR18	50	0	19.26	19.17	19.20
10	HQPR18	50	0	19.26	19.17	19.20
Chemical						
	Frequency (MHz)	181009	181023	181049	Turnup time (hr)	MPH (hr)
5	QPR18	1	24	24.42	24.34	24.45
5	QPR18	1	12	24.47	24.42	24.50
5	QPR18	1	24	24.42	24.34	24.45
5	QPR18	1	12	23.52	23.34	23.45
5	QPR18	12	7	23.52	23.41	23.44
5	QPR18	12	13	23.49	23.38	23.47
5	QPR18	12	13	23.49	23.30	23.47
5	HQPR18	1	0	23.81	23.70	23.87
5	HQPR18	1	12	23.50	23.80	23.73
5	HQPR18	12	7	23.71	23.73	23.74
5	HQPR18	12	0	22.57	22.43	22.45
5	HQPR18	12	7	22.54	22.51	22.48
5	HQPR18	12	7	22.45	22.40	22.45
5	HQPR18	26	0	22.51	22.43	22.45
5	HQPR18	26	0	22.68	22.60	22.71
5	HQPR18	26	12	22.67	22.71	22.68
5	HQPR18	1	24	22.69	22.61	22.69
5	HQPR18	12	0	21.04	21.39	21.41
5	HQPR18	12	7	21.05	21.40	21.40
5	HQPR18	12	13	21.01	21.44	21.40
5	HQPR18	26	0	21.00	21.41	21.50
5	HQPR18	26	12	21.00	21.42	21.50
5	HQPR18	1	12	19.30	19.18	19.31
5	HQPR18	12	0	19.15	19.07	19.26
5	HQPR18	12	7	19.28	19.18	19.28
5	HQPR18	12	13	19.22	19.25	19.23
5	HQPR18	26	0	19.44	19.40	19.43

[illegible]

Channel		133592	133592	133647	Turn-on time (s)	Light (m)
Frequency (MHz)						
10	QPSK	1	0	19.54	19.52	19.52
10	QPSK	1	26	19.58	19.52	19.53
10	QPSK	1	46	19.61	19.52	19.63
10	QPSK	1	66	19.70	19.51	19.63
10	QPSK	25	12	18.98	18.91	18.73
10	QPSK	26	26	18.92	18.92	18.73
10	QPSK	26	46	18.98	18.92	18.73
10	16QAM	1	0	18.98	18.51	18.64
10	16QAM	1	26	18.98	18.88	18.55
10	16QAM	1	46	18.98	18.88	18.55
10	16QAM	25	0	17.88	17.57	17.59
10	16QAM	25	12	17.97	17.98	17.57
10	16QAM	25	12	17.97	17.98	17.57
10	16QAM	26	0	17.71	17.57	17.68
10	16QAM	26	12	17.71	17.57	17.68
10	16QAM	1	26	17.98	17.68	17.68
10	16QAM	1	46	17.76	17.57	17.51
10	16QAM	1	66	18.03	17.57	17.51
10	16QAM	25	12	18.03	18.03	18.31
10	16QAM	25	12	18.03	18.03	18.31
10	16QAM	26	26	18.54	18.53	18.52
10	16QAM	26	46	18.54	18.53	18.52
10	25QAM	1	0	14.68	14.54	14.51
10	25QAM	1	26	14.59	14.68	14.59
10	25QAM	1	46	14.59	14.68	14.59
10	25QAM	25	0	14.51	14.54	14.79
10	25QAM	25	12	14.57	14.51	14.48
10	25QAM	25	12	14.57	14.51	14.48
10	25QAM	26	0	14.58	14.58	14.60
10	25QAM	26	0	14.58	14.54	14.60
Channel		133599	133592	133647	Turn-on time (s)	Light (m)
Frequency (MHz)						
5	QPSK	1	0	19.57	19.94	19.94
5	QPSK	1	12	18.98	19.53	19.67
5	QPSK	1	26	19.38	19.52	19.67
5	QPSK	12	0	18.98	18.98	18.73
5	QPSK	12	7	18.57	18.57	18.73
5	QPSK	12	13	18.98	18.51	18.63
5	QPSK	12	13	18.98	18.51	18.63
5	16QAM	1	0	18.98	18.51	18.58
5	16QAM	1	12	18.94	18.88	18.55
5	16QAM	1	26	18.98	18.87	18.55
5	16QAM	12	0	17.64	17.68	17.71
5	16QAM	12	7	17.70	17.21	17.57
5	16QAM	12	13	17.70	17.21	17.57
5	16QAM	25	0	17.65	17.65	17.57
5	16QAM	25	12	17.70	17.68	17.57
5	16QAM	1	24	18.71	17.59	17.53
5	16QAM	12	0	18.94	18.54	18.53
5	16QAM	12	13	18.98	18.53	18.53
5	16QAM	12	13	18.98	18.58	18.52
5	25QAM	0	0	14.52	14.57	14.56
5	25QAM	1	0	14.54	14.58	14.56
5	25QAM	1	12	14.56	14.60	14.53
5	25QAM	1	26	14.59	14.59	14.60
5	25QAM	12	0	14.58	14.58	14.60
5	25QAM	12	7	14.51	14.70	14.55
5	25QAM	12	13	14.58	14.58	14.58
5	25QAM	25	0	14.54	14.58	14.56

Chemical				191697			192222			128292			Turnup (%)	(MP) (%)
3	OSIRIS	1	8	24	24.37	24.29	24.30	24.32	24.30					
3	OSIRIS	1	8	24	24.46	24.36	24.35	24.36	24.35	0				
3	OSIRIS	1	14	24	24.37	24.37	24.32	24.32						
3	OSIRIS	1	8	24	24.47	24.38	24.37	24.37						
3	OSIRIS	8	4	24	23.51	23.43	23.44	23.45						
3	OSIRIS	8	7	24	23.49	23.42	23.44	23.44		25	1			
3	OSIRIS	8	7	24	23.47	23.38	23.47	23.47						
3	HQARIM	1	8	24	23.75	23.65	23.77	23.77						
3	HQARIM	1	8	24	23.63	23.53	23.68	23.68						
3	HQARIM	1	8	24	23.71	23.62	23.70	23.70		24	2			
3	HQARIM	8	4	24	22.57	22.41	22.52	22.52						
3	HQARIM	8	4	24	22.68	22.52	22.64	22.64						
3	HQARIM	8	4	24	22.69	22.59	22.72	22.72						
3	HQARIM	16	0	24	22.51	22.42	22.48	22.48		24	2			
3	HQARIM	1	8	24	22.63	22.56	22.65	22.65						
3	HQARIM	1	8	24	22.69	22.59	22.72	22.72						
3	HQARIM	1	16	24	22.68	22.58	22.68	22.68						
3	HQARIM	8	0	24	21.53	21.37	21.52	21.52		25	3			
3	HQARIM	16	0	24	21.56	21.45	21.62	21.62						
3	HQARIM	8	7	24	21.54	21.42	21.59	21.59						
3	HQARIM	16	0	24	21.52	21.43	21.67	21.67						
3	HQARIM	8	7	24	19.31	19.09	19.30	19.30		21	5			
3	HQARIM	8	7	24	19.30	19.08	19.30	19.30						
3	HQARIM	8	7	24	19.30	19.08	19.30	19.30						
3	HQARIM	8	4	24	19.20	19.18	19.21	19.21						
3	HQARIM	8	4	24	19.20	19.18	19.21	19.21		21	5			
3	HQARIM	16	0	24	19.19	19.17	19.21	19.21						
3	HQARIM	16	0	24	19.19	19.17	19.21	19.21						
3	HQARIM	16	0	24	19.19	19.17	19.21	19.21						

Chemical				191697			192222			128292			Turnup (%)	(MP) (%)
3	OSIRIS	1	8	24	24.41	24.34	24.34	24.35	24.35					
3	OSIRIS	1	8	24	24.46	24.37	24.36	24.36	24.35	0				
3	OSIRIS	1	14	24	24.29	24.34	24.32	24.32						
3	OSIRIS	1	8	24	24.47	24.38	24.37	24.37						
3	OSIRIS	8	4	24	24.47	24.38	24.38	24.38						
3	OSIRIS	8	7	24	24.47	24.38	24.38	24.38		25	1			
3	OSIRIS	8	7	24	24.47	24.38	24.38	24.38						
3	HQARIM	1	8	24	23.83	23.80	23.97	23.97						
3	HQARIM	1	8	24	23.80	23.78	23.97	23.97						
3	HQARIM	1	8	24	23.86	23.79	23.97	23.97		25	3			
3	HQARIM	1	8	24	23.83	23.79	23.97	23.97						
3	HQARIM	1	8	24	23.83	23.79	23.97	23.97						
3	HQARIM	1	8	24	23.83	23.79	23.97	23.97						
3	HQARIM	16	0	24	22.53	22.44	22.57	22.57		24	2			
3	HQARIM	1	8	24	22.60	22.54	22.67	22.67						
3	HQARIM	1	8	24	22.64	22.54	22.67	22.67						
3	HQARIM	1	8	24	22.60	22.50	22.67	22.67						
3	HQARIM	3	0	24	22.60	22.49	22.63	22.63		25	3			
3	HQARIM	3	0	24	22.60	22.49	22.63	22.63						
3	HQARIM	3	0	24	22.60	22.49	22.63	22.63						
3	HQARIM	3	0	24	22.60	22.49	22.63	22.63						
3	HQARIM	6	0	24	21.52	21.50	21.52	21.52		25	3			
3	HQARIM	6	0	24	21.52	21.50	21.52	21.52						
3	HQARIM	6	0	24	21.52	21.50	21.52	21.52						
3	HQARIM	6	0	24	21.52	21.50	21.52	21.52						
3	HQARIM	1	8	24	19.30	19.05	19.31	19.31		21	5			
3	HQARIM	1	8	24	19.30	19.05	19.31	19.31						
3	HQARIM	1	8	24	19.30	19.05	19.31	19.31						
3	HQARIM	1	8	24	19.30	19.05	19.31	19.31						
3	HQARIM	3	0	24	19.23	19.25	19.25	19.25		21	5			
3	HQARIM	3	0	24	19.23	19.25	19.25	19.25						
3	HQARIM	3	0	24	19.23	19.25	19.25	19.25						
3	HQARIM	3	0	24	19.23	19.25	19.25	19.25						

Channel	151881	152202	152659	Time(sec)	Mag(m)
1 QP1R <td>0<td>25.74</td><td>25.93</td><td>25.93</td><td></td></td>	0 <td>25.74</td> <td>25.93</td> <td>25.93</td> <td></td>	25.74	25.93	25.93	
2 QP1R <td>1<td>8</td><td>28.83</td><td>28.86</td><td>25.1</td></td>	1 <td>8</td> <td>28.83</td> <td>28.86</td> <td>25.1</td>	8	28.83	28.86	25.1
3 QP1R <td>1</td> <td>14</td> <td>29.09</td> <td>29.06</td> <td>25.1</td>	1	14	29.09	29.06	25.1
4 QP1R <td>1<td>14</td><td>29.09</td><td>29.06</td><td>25.1</td></td>	1 <td>14</td> <td>29.09</td> <td>29.06</td> <td>25.1</td>	14	29.09	29.06	25.1
5 QP1R <td>6<td>4</td><td>27.76</td><td>27.96</td><td>21.8</td></td>	6 <td>4</td> <td>27.76</td> <td>27.96</td> <td>21.8</td>	4	27.76	27.96	21.8
6 QP1R <td>6<td>7</td><td>21.88</td><td>21.93</td><td>21.89</td></td>	6 <td>7</td> <td>21.88</td> <td>21.93</td> <td>21.89</td>	7	21.88	21.93	21.89
7 QP1R <td>15</td> <td>8</td> <td>22.44</td> <td>22.47</td> <td>22.29</td>	15	8	22.44	22.47	22.29
8 HQ1M <td>0</td> <td>25.17</td> <td>25.22</td> <td>25.23</td> <td></td>	0	25.17	25.22	25.23	
9 HQ1M <td>1<td>8</td><td>25.15</td><td>25.22</td><td>25.40</td></td>	1 <td>8</td> <td>25.15</td> <td>25.22</td> <td>25.40</td>	8	25.15	25.22	25.40
10 HQ1M <td>8</td> <td>12</td> <td>22.88</td> <td>22.91</td> <td>22.29</td>	8	12	22.88	22.91	22.29
11 HQ1M <td>8<td>6</td><td>25.73</td><td>26.00</td><td>25.08</td></td>	8 <td>6</td> <td>25.73</td> <td>26.00</td> <td>25.08</td>	6	25.73	26.00	25.08
12 HQ1M <td>8</td> <td>4</td> <td>30.80</td> <td>29.04</td> <td>21.14</td>	8	4	30.80	29.04	21.14
13 HQ1M <td>8</td> <td>4</td> <td>30.80</td> <td>29.04</td> <td>21.14</td>	8	4	30.80	29.04	21.14
14 HQ1M <td>15</td> <td>0</td> <td>26.90</td> <td>27.01</td> <td>21.06</td>	15	0	26.90	27.01	21.06
15 HQ1M <td>0</td> <td>21.04</td> <td>21.04</td> <td>21.07</td> <td></td>	0	21.04	21.04	21.07	
16 HQ1M <td>8</td> <td>11.88</td> <td>20.97</td> <td>21.07</td> <td></td>	8	11.88	20.97	21.07	
17 HQ1M <td>14</td> <td>0.08</td> <td>21.48</td> <td>21.22</td> <td></td>	14	0.08	21.48	21.22	
18 HQ1M <td>8</td> <td>0.85</td> <td>19.78</td> <td>19.77</td> <td></td>	8	0.85	19.78	19.77	
19 HQ1M <td>8</td> <td>1.88</td> <td>19.78</td> <td>19.78</td> <td></td>	8	1.88	19.78	19.78	
20 HQ1M <td>8</td> <td>7</td> <td>19.75</td> <td>19.83</td> <td>19.98</td>	8	7	19.75	19.83	19.98
21 HQ1M <td>15</td> <td>0</td> <td>19.72</td> <td>19.84</td> <td>19.98</td>	15	0	19.72	19.84	19.98
22 HQ1M <td>8</td> <td>17.81</td> <td>17.83</td> <td>17.84</td> <td></td>	8	17.81	17.83	17.84	
23 HQ1M <td>8</td> <td>17.81</td> <td>17.80</td> <td>17.79</td> <td></td>	8	17.81	17.80	17.79	
24 HQ1M <td>8</td> <td>17.81</td> <td>17.81</td> <td>17.81</td> <td></td>	8	17.81	17.81	17.81	
25 HQ1M <td>8</td> <td>17.85</td> <td>17.81</td> <td>17.84</td> <td></td>	8	17.85	17.81	17.84	
26 HQ1M <td>8</td> <td>17.85</td> <td>17.80</td> <td>17.78</td> <td></td>	8	17.85	17.80	17.78	
27 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
28 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
29 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
30 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
31 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
32 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
33 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
34 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
35 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
36 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
37 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
38 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
39 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
40 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
41 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
42 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
43 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
44 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
45 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
46 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
47 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
48 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
49 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
50 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
51 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
52 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
53 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
54 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
55 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
56 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
57 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
58 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
59 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
60 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
61 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
62 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
63 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
64 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
65 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
66 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
67 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
68 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
69 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
70 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
71 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
72 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
73 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
74 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
75 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
76 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
77 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
78 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
79 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
80 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
81 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
82 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
83 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
84 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
85 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
86 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
87 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
88 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
89 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
90 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
91 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
92 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
93 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
94 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
95 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
96 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
97 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
98 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
99 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01
100 HQ1M <td>15</td> <td>0</td> <td>17.91</td> <td>17.98</td> <td>18.01</td>	15	0	17.91	17.98	18.01

Channel		1919.98	1929.92	1939.72	Turn-on time (s)	Signal level
Frequency (MHz)		1919.98	1929.92	1939.72		
1	QPSK	1	0	0	21.5	0
2	QPSK	1	8	0		
3	QPSK	1	16	0		
4	QPSK	8	7	0	20.5	1
5	QPSK	15	0	0		
6	HQAM	1	0	0		
7	HQAM	8	18.1	0	20.5	1
8	HQAM	15	0	0		
9	HQAM	8	17.05	0		
10	HQAM	8	0	17.4	19.5	2
11	HQAM	15	0	17.05		
12	HQAM	15	0	17.7		
13	HQAM	15	0	17.7	19.5	2
14	HQAM	15	0	17.7		
15	HQAM	15	0	17.7		
16	HQAM	15	0	17.7	16.5	3
17	HQAM	15	0	17.7		
18	HQAM	15	0	17.7		
19	HQAM	15	0	17.7	16.5	3
20	HQAM	15	0	17.7		
21	HQAM	15	0	17.7		
22	HQAM	15	0	17.7	16.5	3
23	HQAM	15	0	17.7		
24	HQAM	15	0	17.7		
25	HQAM	15	0	17.7	16.5	3
26	HQAM	15	0	17.7		
27	HQAM	15	0	17.7		
28	HQAM	15	0	17.7	16.5	3
29	HQAM	15	0	17.7		
30	HQAM	15	0	17.7		
31	HQAM	15	0	17.7	16.5	3
32	HQAM	15	0	17.7		
33	HQAM	15	0	17.7		
34	HQAM	15	0	17.7	16.5	3
35	HQAM	15	0	17.7		
36	HQAM	15	0	17.7		
37	HQAM	15	0	17.7	16.5	3
38	HQAM	15	0	17.7		
39	HQAM	15	0	17.7		
40	HQAM	15	0	17.7	16.5	3
41	HQAM	15	0	17.7		
42	HQAM	15	0	17.7		
43	HQAM	15	0	17.7	16.5	3
44	HQAM	15	0	17.7		
45	HQAM	15	0	17.7		
46	HQAM	15	0	17.7	16.5	3
47	HQAM	15	0	17.7		
48	HQAM	15	0	17.7		
49	HQAM	15	0	17.7	16.5	3
50	HQAM	15	0	17.7		
51	HQAM	15	0	17.7		
52	HQAM	15	0	17.7	16.5	3
53	HQAM	15	0	17.7		
54	HQAM	15	0	17.7		
55	HQAM	15	0	17.7	16.5	3
56	HQAM	15	0	17.7		
57	HQAM	15	0	17.7		
58	HQAM	15	0	17.7	16.5	3
59	HQAM	15	0	17.7		
60	HQAM	15	0	17.7		
61	HQAM	15	0	17.7	16.5	3
62	HQAM	15	0	17.7		
63	HQAM	15	0	17.7		
64	HQAM	15	0	17.7	16.5	3
65	HQAM	15	0	17.7		
66	HQAM	15	0	17.7		
67	HQAM	15	0	17.7	16.5	3
68	HQAM	15	0	17.7		
69	HQAM	15	0	17.7		
70	HQAM	15	0	17.7	16.5	3
71	HQAM	15	0	17.7		
72	HQAM	15	0	17.7		



Band 38_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				24.86	24.95	25.04			
20	QPSK	1	0	24.86	24.95	25.04	26	0	
20	QPSK	1	49	25.08	25.20	25.22			
20	QPSK	1	99	25.02	25.12	25.18			
20	QPSK	50	0	23.98	24.09	24.22			
20	QPSK	50	24	24.79	24.92	24.98	25	1	
20	QPSK	50	50	24.13	24.20	24.27			
20	QPSK	100	0	24.06	24.13	24.17			
20	16QAM	1	0	23.74	23.90	24.27			
20	16QAM	1	49	24.42	24.47	24.10	25	1	
20	16QAM	1	99	24.27	24.10	24.23			
20	16QAM	50	0	22.88	23.13	23.20			
20	16QAM	50	24	23.12	23.16	23.27			
20	16QAM	50	50	23.06	23.20	23.33	24	2	
20	16QAM	100	0	23.13	23.16	23.17			
20	64QAM	1	0	22.52	23.12	23.24			
20	64QAM	1	49	23.21	22.81	23.54			
20	64QAM	1	99	23.32	23.23	22.99	24	2	
20	64QAM	50	0	21.98	22.13	22.08			
20	64QAM	50	24	22.13	22.24	22.27			
20	64QAM	50	50	22.12	22.27	22.16			
20	256QAM	1	0	19.72	19.82	19.87	23	3	
20	256QAM	1	49	19.74	19.88	19.87			
20	256QAM	1	99	19.78	19.81	19.87			
20	256QAM	50	0	19.73	19.85	20.07			
20	256QAM	50	24	19.81	19.88	19.80	21	5	
20	256QAM	50	50	19.87	20.00	19.97			
20	256QAM	100	0	19.78	19.80	19.84			
Channel				37825	38000	38125			
Frequency (MHz)				24.72 <td>24.92</td> <td>25.11</td> <th></th> <th></th> <th></th>	24.92	25.11			
15	QPSK	1	0	24.72	24.92	25.11	26	0	
15	QPSK	1	37	24.76	25.17	25.00			
15	QPSK	1	74	24.84	24.99	25.00			
15	QPSK	36	0	23.92	24.09	24.23			
15	QPSK	36	20	23.86	23.99	24.09	25	1	
15	QPSK	36	39	23.94	24.04	24.04			
15	QPSK	75	0	23.91	23.94	24.01			
15	16QAM	1	0	23.08	23.76	23.73			
15	16QAM	1	37	23.84	23.90	23.83	25	1	
15	16QAM	1	74	24.11	23.86	23.94			
15	16QAM	36	0	22.67	22.94	22.93			
15	16QAM	36	20	22.86	22.93	22.94			
15	16QAM	36	39	22.81	23.03	23.02	24	2	
15	16QAM	75	0	22.80	22.85	22.87			
15	64QAM	1	0	22.81	22.85	22.68			
15	64QAM	1	37	23.14	23.28	22.83			
15	64QAM	1	74	23.07	23.07	22.83	24	2	
15	64QAM	36	0	21.78	22.09	21.91			
15	64QAM	36	20	21.90	21.92	22.02			
15	64QAM	36	39	21.79	22.05	22.07			
15	64QAM	75	0	21.82	22.04	22.04	23	3	
15	256QAM	1	0	19.49	19.63	19.77			
15	256QAM	1	37	19.56	19.88	19.78			
15	256QAM	1	74	19.56	19.88	19.88			
15	256QAM	36	0	19.75	19.76	19.84	21	5	
15	256QAM	36	20	19.90	19.97	19.94			
15	256QAM	36	39	19.87	19.86	20.05			
15	256QAM	75	0	19.75	19.74	19.71			
Channel				25715	25955	26155			
Frequency (MHz)				24.86	25.09	25.02			
10	QPSK	1	0	24.86	25.09	25.02	26	0	
10	QPSK	1	25	24.91	25.16	25.09			
10	QPSK	1	49	24.90	25.14	25.04			
10	QPSK	25	0	23.88	24.14	24.17			
10	QPSK	25	12	23.97	24.02	24.10	25	1	
10	QPSK	25	25	23.99	24.23	24.10			
10	QPSK	50	0	23.84	24.03	24.18			
10	16QAM	1	0	24.11	24.26	23.97			
10	16QAM	1	25	23.94	24.26	24.10	25	1	
10	16QAM	1	49	24.16	24.15	24.06			
10	16QAM	25	0	23.83	23.98	24.02			
10	16QAM	25	12	23.91	23.12	23.14			
10	16QAM	25	25	22.95	23.02	23.11	24	2	
10	16QAM	50	0	22.96	23.03	23.07			
10	16QAM	50	25	22.95	23.17	23.18			
10	64QAM	1	0	22.49	22.77	23.16			
10	64QAM	1	49	22.89	23.09	23.00	24	2	
10	64QAM	1	99	22.95	22.94	23.23			
10	64QAM	25	0	21.74	22.06	22.20			
10	64QAM	25	12	22.02	22.16	22.10			
10	64QAM	25	25	22.04	22.28	22.14	23	3	
10	64QAM	50	0	21.94	22.15	22.09			
10	256QAM	1	0	19.58	19.91	19.89			
10	256QAM	1	25	19.76	19.85	19.48			
10	256QAM	1	49	19.66	19.95	19.84	21	5	
10	256QAM	25	0	19.69	19.94	20.04			
10	256QAM	25	12	19.81	19.76	19.75			
10	256QAM	25	25	19.84	19.89	19.89			
10	256QAM	50	0	19.77	19.97	19.64	21	5	
10	256QAM	50	0	19.77	19.97	19.64			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	25955	2617.5			
5	QPSK	1	0	24.79	25.10	25.02	26	0	
5	QPSK	1	12	24.79	25.18	25.09			
5	QPSK	1	24	24.76	25.12	25.08			
5	QPSK	12	0	23.83	23.98	24.09			
5	QPSK	12	7	23.88	24.08	24.06	25	1	
5	QPSK	12	13	23.87	24.09	24.04			
5	QPSK	25	0	23.81	24.00	24.07			
5	16QAM	1	0	23.90	24.12	24.17			
5	16QAM	1	12	23.94	24.23	24.35	25	1	
5	16QAM	1	24	23.92	24.11	24.06			
5	16QAM	12	0	22.67	22.99	22.99			
5	16QAM	12	7	22.96	23.07	23.12			
5	16QAM	12	13	22.90	23.06	23.07	24	2	
5	16QAM	25	0	22.86	23.04	23.16			
5	64QAM	1	0	22.62	23.00	23.10			
5	64QAM	1	12	23.08	23.10	22.89			
5	64QAM	1	24	22.82	23.02	22.98	24	2	
5	64QAM	12	0	21.69	22.05	22.06			
5	64QAM	12	7	21.92	22.07	22.06			
5	64QAM	12	13	21.86	22.09	22.09			
5	64QAM	25	0	21.84	22.07	22.13	23	3	
5	256QAM	1	0	19.51	19.63	19.67			
5	256QAM	1	12	19.65	19.95	19.64			
5	256QAM	1	24	19.67	19.98	19.68			
5	256QAM	12	0	19.67	19.72	20.20	21	5	
5	256QAM	12	7	19.67	19.73	19.83			
5	256QAM	12	13	19.69	20.13	19.85			
5	256QAM	25	0	19.91	19.83	19.81			

Band 38_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	17.12	17.20	17.22	18.5	0	
20	QPSK	1	49	17.30	17.43	17.45			
20	QPSK	1	99	17.31	17.41	17.26			
20	QPSK	50	0	16.10	16.31	16.35			
20	QPSK	50	24	16.10	16.31	16.43	17.5	1	
20	QPSK	50	50	16.12	16.28	16.38			
20	QPSK	100	0	16.27	16.32	16.40			
20	16QAM	1	0	16.46	16.48	16.79			
20	16QAM	1	49	16.48	16.71	16.68	17.5	1	
20	16QAM	1	99	16.53	16.48	16.69			
20	16QAM	50	0	15.11	15.32	15.26			
20	16QAM	50	24	15.36	15.23	15.41			
20	16QAM	50	50	15.38	15.43	15.49	16.5	2	
20	16QAM	100	0	15.36	15.36	15.45			
20	16QAM	1	0	15.56	15.50	15.36			
20	16QAM	1	49	15.79	15.58	15.60			
20	16QAM	1	99	15.69	15.69	15.38	16.5	2	
20	16QAM	50	0	14.16	14.28	14.27			
20	16QAM	50	24	14.26	14.39	14.50			
20	16QAM	50	50	14.25	14.36	14.44			
20	16QAM	100	0	14.21	14.29	14.34	15.5	3	
20	16QAM	1	0	11.96	12.06	12.12			
20	256QAM	1	49	11.84	12.10	11.97			
20	256QAM	1	99	12.15	12.07	12.15			
20	256QAM	50	0	11.82	12.12	12.17	13.5	5	
20	256QAM	50	24	12.15	12.11	12.07			
20	256QAM	50	50	12.15	12.14	12.07			
20	256QAM	100	0	12.15	12.15	11.88			
Channel				37855	38000	38175	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2615	2630	2645.5			
15	QPSK	1	0	17.17	17.27	17.02	18.5	0	
15	QPSK	1	37	17.46	17.40	17.41			
15	QPSK	1	74	17.21	17.33	17.41			
15	QPSK	36	0	16.68	16.68	16.23			
15	QPSK	36	20	16.26	16.24	16.46	17.5	1	
15	QPSK	36	39	16.19	16.26	16.45			
15	QPSK	75	0	16.22	16.30	16.41			
15	15QAM	1	0	16.23	16.26	16.87			
15	16QAM	1	37	16.33	16.64	16.25	17.5	1	
15	16QAM	1	74	16.57	16.56	16.61			
15	16QAM	36	0	15.00	15.23	15.15			
15	16QAM	36	20	15.36	14.98	15.24			
15	16QAM	36	39	15.46	15.47	15.39	16.5	2	
15	16QAM	75	0	14.89	15.36	15.38			
15	16QAM	1	0	15.40	15.33	15.16			
15	16QAM	1	37	15.62	15.43	15.61			
15	16QAM	1	74	15.55	15.16	15.32	16.5	2	
15	16QAM	36	0	14.20	14.18	14.14			
15	16QAM	36	20	14.27	14.34	14.33			
15	16QAM	36	39	14.13	14.33	14.26			
15	16QAM	75	0	14.22	14.26	14.24	15.5	3	
15	256QAM	1	0	11.72	11.80	11.97			
15	256QAM	1	37	11.73	12.04	11.95			
15	256QAM	1	74	12.13	11.84	11.90			
15	256QAM	36	0	11.85	11.85	11.81	13.5	5	
15	256QAM	36	20	12.02	11.92	11.80			
15	256QAM	36	39	12.15	11.95	11.95			
15	256QAM	75	0	12.01	12.16	11.96			
Channel				37850	38000	38200	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	17.07	17.02	17.10	18.5	0	
10	QPSK	1	25	17.42	17.46	17.43			
10	QPSK	1	49	17.03	17.28	17.14			
10	QPSK	25	0	16.06	16.35	16.39			
10	QPSK	25	12	16.23	16.37	16.21	17.5	1	
10	QPSK	25	25	15.85	16.01	16.30			
10	QPSK	50	0	16.29	16.32	16.42			
10	16QAM	1	0	16.48	16.31	16.69			
10	16QAM	1	25	16.54	16.56	16.49	17.5	1	
10	16QAM	1	49	16.29	16.49	16.76			
10	16QAM	25	0	15.48	15.29	15.25			
10	16QAM	25	12	15.25	15.18	15.27			
10	16QAM	25	25	15.30	15.29	15.40	16.5	2	
10	16QAM	50	0	14.99	15.38	15.33			
10	16QAM	50	12	15.05	15.29	15.25			
10	16QAM	1	25	15.54	15.42	15.65			
10	16QAM	1	49	15.58	15.76	15.35	15.5	3	
10	16QAM	25	0	14.15	14.00	14.07			
10	16QAM	25	12	14.44	14.44	14.47			
10	16QAM	25	25	14.00	14.29	14.37			
10	16QAM	50	0	14.26	14.06	14.25	13.5	5	
10	256QAM	1	0	11.87	12.10	12.21			
10	256QAM	1	25	11.84	12.07	11.83			
10	256QAM	1	49	12.15	11.84	11.93			
10	256QAM	25	0	11.70	12.01	11.90	13.5	5	
10	256QAM	25	12	12.10	12.20	12.03			
10	256QAM	25	25	12.16	11.90	12.22			
10	256QAM	50	0	12.12	12.22	11.89			
Channel				37775	38000	38225	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	16.88	17.00	17.23	18.5	0	
5	QPSK	12	0	17.25	17.41	17.48			
5	QPSK	1	24	17.07	17.45	16.99			
5	QPSK	12	0	15.86	16.07	16.19			
5	QPSK	12	7	16.19	16.35	16.32	17.5	1	
5	QPSK	12	13	16.37	16.35	16.32			
5	QPSK	25	0	16.34	16.29	16.42			
5	16QAM	1	0	16.26	16.29	16.76			
5	16QAM	1	12	16.55	16.61	16.45	17.5	1	
5	16QAM	12	0	16.29	16.42	16.44			
5	16QAM	12	0	14.94	15.11	15.09			
5	16QAM	12	7	15.39	15.09	15.24			
5	16QAM	12	13	15.26	15.26	15.30	16.5	2	
5	16QAM	12	13	15.13	15.33	15.49			
5	16QAM	1	0	15.42	15.24	15.41			
5	16QAM	1	12	15.67	15.40	15.54			
5	16QAM	1	24	15.42	15.68	15.15	16.5	2	
5	16QAM	12	7	14.14	14.19	11.89			
5	256QAM	12	13	14.09	14.32	14.56			
5	16QAM	12	13	14.25	14.43	14.21			
5	16QAM	25	0	11.71	12.22	14.06	13.5	5	
5	16QAM	12	7	11.71	12.19	11.89			
5	256QAM	12	13	11.90	12.04	11.83			
5	256QAM	25	0	11.87	12.13	11.65			

Band 41_Ant 2											
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)	MPE (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2000.5	2044.5	2088.5	2132.5	2176.5			
20	QPSK	1	0	15.95	17.25	17.31	16.99	16.55			
20	QPSK	1	49	17.10	17.33	17.42	17.50	17.45	18.5	0	
20	QPSK	1	99	17.14	17.32	17.21	17.48	17.39			
20	QPSK	50	0	16.15	16.22	16.36	16.33	16.27			
20	QPSK	50	24	16.10	16.33	16.41	16.47	16.44			
20	QPSK	50	50	16.14	16.30	16.36	16.45	16.43	17.5	1	
20	QPSK	100	0	16.10	16.25	16.39	16.42	16.29			
20	16QAM	1	0	15.98	16.21	16.66	16.41	15.91			
20	16QAM	1	49	16.12	16.30	16.34	16.59	16.39	17.5	1	
20	16QAM	1	99	16.06	16.20	16.13	16.43	16.57			
20	16QAM	50	0	15.07	15.18	15.26	15.26	15.21			
20	16QAM	50	24	15.17	15.21	15.42	15.42	15.31			
20	16QAM	50	50	15.22	15.26	15.45	15.54	15.42	16.5	2	
20	16QAM	100	0	15.12	15.25	15.33	15.35	15.30			
20	64QAM	1	0	14.98	15.04	15.34	15.37	14.95			
20	64QAM	1	49	14.80	15.19	15.45	15.50	15.29	16.5	2	
20	64QAM	1	99	15.09	15.32	15.54	15.58	15.44			
20	64QAM	50	0	14.05	14.16	14.25	14.32	14.19			
20	64QAM	50	24	14.11	14.24	14.26	14.43	14.36	15.5	3	
20	64QAM	50	50	14.22	14.16	14.38	14.52	14.41			
20	64QAM	100	0	14.12	14.23	14.33	14.34	14.21			
20	256QAM	1	0	11.94	11.66	11.70	11.86	11.91			
20	256QAM	1	49	11.99	12.00	11.96	12.21	12.04	13.5	5	
20	256QAM	1	99	11.70	11.83	11.61	11.78	11.60			
20	256QAM	50	0	11.86	12.00	11.98	12.15	11.97			
20	256QAM	50	24	12.30	12.14	12.33	12.36	12.20	13.5	5	
20	256QAM	50	50	12.00	12.07	12.01	12.13	12.17			
20	256QAM	100	0	12.06	12.08	12.19	12.15	11.91			
Channel				39725	40173	40620	41066	41515	Tune-up limit (dBm)	MPE (dB)	
Frequency (MHz)				2003.5	2048.3	2093.1	2137.9	2182.5			
15	QPSK	1	0	17.01	16.99	17.20	16.89	16.76			
15	QPSK	1	37	17.10	17.34	17.37	17.32	17.38	18.5	0	
15	QPSK	1	74	17.14	17.32	17.18	17.44	17.37			
15	QPSK	36	0	15.23	15.98	16.34	16.10	16.17			
15	QPSK	36	20	15.91	16.24	16.49	16.47	16.33	17.5	1	
15	QPSK	36	39	16.08	16.29	16.23	16.36	16.29			
15	QPSK	75	0	15.10	15.98	16.12	16.19	16.03			
15	16QAM	1	0	15.90	16.03	16.40	16.29	15.65			
15	16QAM	1	37	16.13	16.09	16.19	16.03	16.34	17.5	1	
15	16QAM	1	74	16.09	15.98	15.90	16.36	16.65			
15	16QAM	36	0	15.10	14.94	15.28	14.99	14.96	16.5	2	
15	16QAM	36	20	15.06	15.02	15.36	15.26	15.26			
15	16QAM	36	39	15.00	15.26	15.51	15.68	15.47			
15	16QAM	75	0	14.90	15.00	15.20	15.10	15.23			
15	64QAM	1	0	14.99	14.84	15.36	14.85	14.90			
15	64QAM	1	37	14.97	14.79	15.10	15.54	15.31	16.5	2	
15	64QAM	1	74	14.94	15.36	15.47	15.55	15.66			
15	64QAM	36	0	13.94	14.21	14.23	14.11	13.97			
15	64QAM	36	20	14.17	13.97	14.07	14.37	14.33	15.5	3	
15	64QAM	36	39	13.97	14.15	14.35	14.44	14.47			
15	64QAM	75	0	13.94	14.09	14.20	14.32	14.08			
15	256QAM	1	0	12.00	11.55	11.65	11.72	11.76			
15	256QAM	1	37	11.86	12.05	11.74	12.28	12.06	13.5	5	
15	256QAM	1	74	11.61	11.66	11.59	11.56	11.54			
15	256QAM	36	0	11.95	12.01	11.60	12.11	11.72			
15	256QAM	36	20	12.22	12.19	12.41	12.21	12.03	13.5	5	
15	256QAM	36	39	12.06	12.02	12.06	12.05	12.12			
15	256QAM	75	0	11.82	12.09	11.98	12.00	11.87			
Channel				31001	31015	31030	31045	31060	Tune-up limit (dBm)	MPE (dB)	
Frequency (MHz)				2501.1	2547.1	2593.1	2639.1	2685.1			
10	QPSK	1	0	16.84	17.13	17.38	17.01	17.01			
10	QPSK	1	25	17.11	17.35	17.15	17.45	17.39	18.5	0	
10	QPSK	1	49	17.22	17.38	17.09	17.25	17.34			
10	QPSK	25	0	16.02	16.22	16.11	16.08	16.16			
10	QPSK	25	12	16.06	16.13	16.37	16.51	16.24	17.5	1	
10	QPSK	25	25	15.89	16.37	16.30	16.18	16.50			
10	QPSK	50	0	15.01	16.01	16.41	16.22	16.34			
10	16QAM	1	0	15.98	16.10	16.48	16.23	15.70			
10	16QAM	1	25	16.10	16.03	16.27	16.55	16.38	17.5	1	
10	16QAM	1	49	15.92	16.01	16.17	16.45	16.44			
10	16QAM	25	0	14.96	15.11	15.31	15.09	15.03	16.5	2	
10	16QAM	25	12	15.13	15.22	15.46	15.30	15.20			
10	16QAM	25	25	15.02	15.22	15.36	15.42	15.50			
10	16QAM	50	0	14.93	15.00	15.08	15.20	15.24			
10	64QAM	1	0	14.98	14.91	15.09	14.96	14.81			
10	64QAM	1	25	14.60	14.85	15.45	15.50	15.13	16.5	2	
10	64QAM	1	49	14.99	15.28	15.27	15.33	15.23			
10	64QAM	25	0	14.11	14.24	14.14	14.18	13.99			
10	64QAM	25	12	13.94	14.08	14.09	14.33	14.42	15.5	3	
10	64QAM	25	25	14.14	14.00	14.43	14.56	14.18			
10	64QAM	50	0	13.84	14.12	14.32	14.17	14.28			
10	256QAM	1	0	11.69	11.63	11.82	11.73	11.81			
10	256QAM	1	25	11.78	11.86	11.78	12.10	12.03	13.5	5	
10	256QAM	1	49	11.64	11.70	11.68	11.54	11.56			
10	256QAM	25	0	11.83	12.06	11.92	11.96	11.73			
10	256QAM	25	12	12.07	12.20	12.36	11.98	12.09	13.5	5	
10	256QAM	25	25	12.07	12.10	11.63	12.20	12.08			
10	256QAM	50	0	12.09	11.81	11.63	12.17	11.76			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPE (dB)	
Frequency (MHz)				2468.5	2545.8	2593.1	2640.35	2687.5			
5	QPSK	1	0	17.01	17.24	17.26	17.15	16.69			
5	QPSK	1	12	17.04	17.38	17.19	17.45	17.43	18.5	0	
5	QPSK	1	24	17.12	17.09	17.26	17.27	17.46			
5	QPSK	12	0	15.92	15.97	16.22	16.32	16.18			
5	QPSK	12	7	16.23	16.06	16.15	16.22	16.40	17.5	1	
5	QPSK	12	13	16.04	16.24	16.27	16.10	16.41			
5	QPSK	25	0	16.06	15.98	16.18	16.47	16.26			
5	16QAM	1	0	15.74	15.97	16.59	16.15	15.97	17.5	1	
5	16QAM	1	12	16.20	16.15	16.27	16.54	16.41			
5	16QAM	1	24	16.10	16.25	16.08	16.39	16.55			
5	16QAM	12	0	14.86	14.95	15.18	15.13	15.10	16.5	2	
5	16QAM	12	7	14.91	14.96	15.18	15.46	15.24			
5	16QAM	12	13	15.29	15.11	15.32	15.64	15.40			
5	16QAM	25	0	14.99	15.22	15.20	15.14	15.17			
5	64QAM	1	0	14.86	15.03	15.09	14.65	14.59	16.5	2	
5	64QAM	1	12	14.86	14.77	15.37	15.58	15.06			
5	64QAM	1	24	15.14	15.39	15.61	15.53	15.52			
5	64QAM	12	0	13.77	14.04	14.33	14.28	13.91	15.5	3	
5	64QAM	12	7	13.83	14.17	14.08	14.31	14.19			
5	64QAM	12	13	14.21	14.16	14.21	14.53	14.26			
5	64QAM	25	0	14.14	14.21	14.35	14.09	14.14			
5	256QAM	1	0	12.00	11.65	11.60	11.73	11.73	13.5	5	
5	256QAM	1	12	12.04	12.01	11.83	11.95	11.85			
5	256QAM	1	24	11.50	11.55	11.65	11.82	11.68			
5	256QAM	12	0	11.72	11.77	11.88	12.10	11.98			
5	256QAM	12	7	12.02	12.08	12.13	12.05	12.06	13.5	5	
5	256QAM	12	13	12.00	11.99	12.05	11.95	12.18			
5	256QAM	25	0	11.98	11.99	12.23	12.22	11.94			



ENDC Power for State 11

Band 2_Ant 1									
RF (MHz)	Modulation	Channel Frequency (MHz)	RF Offset	Power (W)	Power (W)	Power (W)	Time-on (sec)	APRS (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	0	24.40	24.37	24.30	20	0	
30	QPSK	1	40	24.38	24.35	24.30			
30	QPSK	1	80	24.36	24.36	24.31			
30	QPSK	50	5	23.47	23.37	23.40			
30	QPSK	50	24	23.45	23.41	23.40			
30	QPSK	50	50	23.47	23.41	23.35	25	1	
30	QPSK	100	0	23.49	23.42	23.35			
30	QPSK	100	0	23.48	23.40	23.32			
30	QPSK	1	49	23.53	23.52	23.50			
30	QPSK	1	89	23.58	23.51	23.43			
30	QPSK	50	24	23.54	23.45	23.38			
30	QPSK	50	50	22.48	22.41	22.37	24	2	
30	QPSK	100	0	22.52	22.43	22.35			
30	QPSK	1	0	22.59	22.54	22.53			
30	QPSK	1	49	22.79	22.69	22.65	24	2	
30	QPSK	1	89	22.82	22.74	22.72			
30	QPSK	50	0	21.48	21.39	21.31			
30	QPSK	50	24	21.53	21.45	21.39	23	3	
30	QPSK	50	50	21.47	21.41	21.35			
30	QPSK	100	0	21.51	21.42	21.35			
30	QPSK	1	0	19.81	19.75	19.79			
30	QPSK	1	49	19.88	19.89	19.72	21	5	
30	QPSK	1	89	19.88	19.71	19.53			
30	QPSK	50	0	19.85	19.77	19.85			
30	QPSK	50	24	19.87	19.87	19.88			
30	QPSK	50	50	19.88	19.73	19.58	21	5	
30	QPSK	100	0	19.82	19.76	19.48			
Channel									
Frequency (MHz)									
16	QPSK	1	0	24.38	24.32	24.43			
16	QPSK	1	37	24.35	24.34	24.33	20	0	
16	QPSK	1	74	24.30	24.30	24.46			
16	QPSK	36	0	23.44	23.38	23.49			
16	QPSK	36	24	23.45	23.41	23.56			
16	QPSK	36	36	23.38	23.41	23.58	25	1	
16	QPSK	75	0	23.41	23.41	23.57			
16	QPSK	1	37	23.37	23.37	23.50			
16	QPSK	1	37	23.68	23.67	23.78	25	1	
16	QPSK	1	74	23.59	23.62	23.85			
16	QPSK	36	0	22.47	22.38	22.50			
16	QPSK	36	20	22.48	22.43	22.58	24	2	
16	QPSK	36	36	22.45	22.45	22.58			
16	QPSK	75	0	22.45	22.44	22.52			
16	QPSK	1	0	22.61	22.65	22.68			
16	QPSK	1	37	22.57	22.58	22.60	24	2	
16	QPSK	1	74	22.57	22.55	22.65			
16	QPSK	36	0	21.48	21.38	21.51			
16	QPSK	36	20	21.44	21.44	21.58	23	3	
16	QPSK	36	36	21.46	21.41	21.59			
16	QPSK	75	0	21.42	21.44	21.58			
16	QPSK	1	0	19.88	19.79	19.88			
16	QPSK	1	37	19.88	19.81	19.45	21	5	
16	QPSK	1	74	19.80	19.70	19.54			
16	QPSK	36	0	19.84	19.72	19.71			
16	QPSK	36	20	19.86	19.88	19.88	21	5	
16	QPSK	36	36	19.88	19.45	19.52			
16	QPSK	75	0	19.78	19.71	19.44			
Channel									
Frequency (MHz)									
16	QPSK	1	0	24.38	24.35	24.45			
16	QPSK	1	49	24.37	24.37	24.45	20	0	
16	QPSK	25	0	23.37	23.38	23.50			
16	QPSK	25	12	23.40	23.44	23.59			
16	QPSK	25	25	23.37	23.37	23.52	25	1	
16	QPSK	50	0	23.41	23.40	23.56			
16	QPSK	1	0	23.79	23.62	23.85			
16	QPSK	1	25	23.69	23.70	23.87	25	1	
16	QPSK	1	49	23.68	23.70	23.91			
16	QPSK	25	0	22.42	22.38	22.52			
16	QPSK	25	12	22.49	22.42	22.58	24	2	
16	QPSK	25	25	22.40	22.38	22.58			
16	QPSK	50	0	22.41	22.39	22.56			
16	QPSK	1	0	22.57	22.64	22.71			
16	QPSK	1	25	22.57	22.57	22.78	24	2	
16	QPSK	1	49	22.45	22.54	22.79			
16	QPSK	25	0	21.38	21.38	21.53			
16	QPSK	25	12	21.46	21.44	21.60	23	3	
16	QPSK	25	25	21.38	21.38	21.53			
16	QPSK	50	0	21.42	21.39	21.56			
16	QPSK	1	0	19.88	19.79	19.88			
16	QPSK	1	25	19.88	19.79	19.54	21	5	
16	QPSK	1	49	19.48	19.70	19.42			
16	QPSK	25	0	19.79	19.79	19.85			
16	QPSK	25	12	19.55	19.85	19.42	21	5	
16	QPSK	25	25	19.34	19.80	19.57			
16	QPSK	50	0	19.45	19.47	19.54			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.26	24.26	24.45			
5	QPSK	1	12	24.37	24.34	24.52	20	0	
5	QPSK	1	24	24.30	24.26	24.40			
5	QPSK	12	0	23.37	23.39	23.48			
5	QPSK	12	7	23.38	23.35	23.54			
5	QPSK	12	13	23.34	23.33	23.45	25	1	
5	QPSK	26	0	23.31	23.30	23.49			
5	QPSK	1	0	23.64	23.60	23.84			
5	QPSK	1	12	23.75	23.76	23.91	25	1	
5	QPSK	1	24	23.68	23.60	23.79			
5	QPSK	12	0	22.45	22.31	22.81			
5	QPSK	12	7	22.39	22.38	22.58	24	2	
5	QPSK	12	13	22.36	22.37	22.47			
5	QPSK	26	0	22.33	22.32	22.51			
5	QPSK	1	0	22.55	22.50	22.68			
5	QPSK	1	12	22.50	22.50	22.78	24	2	
5	QPSK	1	24	22.42	22.48	22.68			
5	QPSK	12	0	21.41	21.30	21.49			
5	QPSK	12	7	21.34	21.32	21.47			
5	QPSK	12	13	21.28	21.29	21.49	23	3	
5	QPSK	26	0	21.34	21.33	21.51			
5	QPSK	1	0	19.88	19.85	19.87			
5	QPSK	1	12	19.84	19.82	19.82	21	5	
5	QPSK	1	24	19.46	19.46	19.48			
5	QPSK	12	0	19.41	19.42	19.43			
5	QPSK	12	7	19.57	19.52	19.74	21	5	
5	QPSK	12	13	19.56	19.47	19.63			
5	QPSK	26	0	19.37	19.37	19.44			
Channel									
Frequency (MHz)									
14	QPSK	1	0	24.35	24.35	24.45			
14	QPSK	1	8	24.35	24.34	24.52	20	0	
14	QPSK	1	14	24.19	24.19	24.30			
14	QPSK	8	0	23.37	23.38	23.48			
14	QPSK	8	4	23.37	23.38	23.57	25	1	
14	QPSK	8	7	23.32	23.30	23.50			
14	QPSK	14	0	23.35	23.34	23.43			
14	QPSK	1	0	23.73	23.72	23.82			
14	QPSK	1	8	23.74	23.77	23.87	25	1	
14	QPSK	1	14	23.67	23.67	23.87			
14	QPSK	8	0	22.50	22.50	22.59			
14	QPSK	8	4	22.45	22.45	22.68	24	2	
14	QPSK	8	7	22.40	22.38	22.56			
14	QPSK	15	0	22.39	22.39	22.56			
14	QPSK	1	0	22.59	22.59	22.75			
14	QPSK	1	8	22.54	22.58	22.76	24	2	
14	QPSK	1	14	22.48	22.42	22.65			
14	QPSK	8	0	21.47	21.44	21.56			
14	QPSK	8	4	21.44	21.42	21.60			
14	QPSK	8	7	21.34	21.37	21.54	23	3	
14	QPSK	15	0	21.41	21.38	21.56			
14	QPSK	1	0	19.78	19.68	19.82			
14	QPSK	1	8	19.78	19.83	19.88	21	5	
14	QPSK	1	14	19.68	19.74	19.79			
14	QPSK	8	0	19.82	19.70	19.88			
14	QPSK	8	4	19.68	19.87	19.88	21	5	
14	QPSK	8	7	19.30	19.46	19.40			
14	QPSK	15	0	19.80	19.58	19.50			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.26	24.26	24.45			
3	QPSK	1	8	24.35	24.34	24.52	20	0	
3	QPSK	1	14	24.19	24.19	24.30			
3	QPSK	8	0	23.37	23.38	23.48			
3	QPSK	8	4	23.37	23.38	23.57	25	1	
3	QPSK	8	7	23.32	23.30	23.50			
3	QPSK	14	0	23.35	23.34	23.43			
3	QPSK	1	0	23.73	23.72	23.82			



Band 5_Ant 0													
RF BPF	Modulation	RF Size	RF Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Time-up (secs)	MFR (dB)					
Channel Frequency (MHz)													
10	QPSK	1	5	24.47	24.51	24.58	20	0					
10	QPSK	1	26	24.50	24.53	24.67							
10	QPSK	1	49	24.47	24.58	24.64	25	1					
10	QPSK	25	5	23.53	23.60	23.67							
10	QPSK	26	12	23.60	23.66	23.73	25	1					
10	QPSK	25	26	23.58	23.66	23.71							
10	QPSK	50	5	23.59	23.66	23.68	25	1					
10	QPSK	50	26	23.60	23.66	23.64							
10	QPSK	1	49	23.57	23.64	23.69	24	2					
10	QPSK	25	26	23.60	23.66	23.71							
10	QPSK	25	26	23.60	23.66	23.71	24	2					
10	QPSK	50	5	23.60	23.66	23.68							
10	QPSK	50	26	23.60	23.66	23.68	24	2					
10	QPSK	1	5	23.71	23.74	23.83							
10	QPSK	1	26	23.72	23.83	23.85	23	3					
10	QPSK	25	5	21.06	21.01	21.70							
10	QPSK	25	12	21.07	21.03	21.71	21	5					
10	QPSK	50	5	21.01	21.07	21.70							
10	QPSK	50	26	21.00	21.06	21.74	21	5					
10	QPSK	1	5	19.02	19.03	19.04							
10	QPSK	1	26	19.01	19.04	19.02	21	5					
10	QPSK	25	5	18.08	18.03	18.94							
10	QPSK	25	9	19.77	19.36	19.03	21	5					
10	QPSK	26	19	19.08	19.30	19.05							
10	QPSK	26	25	19.08	19.36	19.08	21	5					
10	QPSK	26	50	19.04	19.37	19.05							
Channel Frequency (MHz)													
				826.5	826.5	844.5							
5	QPSK	1	5	24.41	24.45	24.55	20	0					
5	QPSK	1	12	24.47	24.51	24.60							
5	QPSK	1	24	24.45	24.48	24.52	25	1					
5	QPSK	12	5	23.41	23.47	23.58							
5	QPSK	12	13	23.46	23.46	23.64	25	1					
5	QPSK	12	13	23.48	23.53	23.64							
5	QPSK	25	5	23.48	23.53	23.58	25	1					
5	QPSK	25	12	23.49	23.56	23.60							
5	QPSK	1	24	23.76	23.84	23.90	24	2					
5	QPSK	1	24	23.76	23.84	23.90							
5	QPSK	12	7	22.03	22.05	22.73	24	2					
5	QPSK	12	13	22.01	22.00	22.66							
5	QPSK	25	5	22.49	22.50	22.60	24	2					
5	QPSK	25	12	22.50	22.52	22.60							
5	QPSK	1	5	20.76	20.82	20.80	24	2					
5	QPSK	1	12	22.07	22.72	22.84							
5	QPSK	1	24	22.06	22.74	22.82	23	3					
5	QPSK	12	7	21.07	21.31	21.86							
5	QPSK	12	7	21.06	21.37	21.86	21	5					
5	QPSK	25	5	21.09	21.34	21.58							
5	QPSK	25	12	21.08	21.31	21.73	21	5					
5	QPSK	26	19	19.08	19.30	19.07							
5	QPSK	26	25	19.08	19.36	19.07	21	5					
5	QPSK	12	9	19.70	19.38	19.01							
5	QPSK	12	19	19.08	19.30	19.07	21	5					
5	QPSK	12	19	19.08	19.36	19.08							
5	QPSK	26	25	19.04	19.30	19.08	21	5					
5	QPSK	26	50	19.04	19.30	19.08							
Channel Frequency (MHz)													
				826.5	826.5	844.5							
3	QPSK	1	8	24.47	24.55	24.68	20	0					
3	QPSK	1	14	24.39	24.47	24.61							
3	QPSK	8	9	23.54	23.52	23.69	25	1					
3	QPSK	8	24	23.53	23.52	23.67							
3	QPSK	8	7	23.53	23.61	23.72	25	1					
3	QPSK	15	5	23.46	23.57	23.62							
3	QPSK	1	5	23.57	23.67	23.65	25	1					
3	QPSK	1	8	23.50	23.59	24.14							
3	QPSK	1	14	23.74	23.93	23.99	24	2					
3	QPSK	8	5	22.02	22.57	22.77							
3	QPSK	8	4	22.03	22.42	22.78	24	2					
3	QPSK	8	7	22.00	22.08	22.62							
3	QPSK	15	5	22.00	22.00	22.69	24	2					
3	QPSK	1	5	22.07	22.05	22.66							
3	QPSK	1	5	22.00	22.00	22.81	24	2					
3	QPSK	1	14	22.77	22.81	22.95							
3	QPSK	8	5	21.08	21.05	21.70	23	3					
3	QPSK	8	4	21.08	21.06	21.72							
3	QPSK	8	7	21.04	21.03	21.76	21	5					
3	QPSK	15	5	21.00	21.02	21.88							
3	QPSK	1	5	19.05	19.36	19.77	21	5					
3	QPSK	1	14	20.04	19.30	19.02							
3	QPSK	8	5	19.08	19.35	19.76	21	5					
3	QPSK	8	4	20.11	19.01	19.03							
3	QPSK	8	7	19.00	19.37	19.80	21	5					
3	QPSK	15	5	19.04	19.36	19.86							
Channel Frequency (MHz)													
				826.5	826.5	844.5							
1.4	QPSK	1	5	24.46	24.49	24.60	20	0					
1.4	QPSK	1	3	24.49	24.53	24.63							
1.4	QPSK	1	5	24.44	24.53	24.53	25	1					
1.4	QPSK	3	5	24.46	24.54	24.60							
1.4	QPSK	3	1	24.49	24.55	24.64	25	1					
1.4	QPSK	3	3	24.49	24.57	24.60							
1.4	QPSK	5	5	23.46	23.57	23.68	25	1					
1.4	QPSK	1	5	23.61	24.00	24.00							
1.4	QPSK	1	3	23.51	24.08	24.00	25	1					
1.4	QPSK	1	5	23.84	23.97	24.02							
1.4	QPSK	3	5	23.64	23.66	23.84	24	2					
1.4	QPSK	3	1	23.69	23.67	23.87							
1.4	QPSK	3	3	23.60	23.64	23.84	24	2					
1.4	QPSK	5	5	23.50	23.58	23.78							
1.4	QPSK	5	5	22.00	22.00	22.77	24	2					
1.4	QPSK	5	5	22.02	22.08	22.86							
1.4	QPSK	1	5	22.00	22.00	22.86	24	2					
1.4	QPSK	1	5	22.04	22.77	22.82							
1.4	QPSK	3	5	22.04	22.61	22.84	24	2					
1.4	QPSK	3	5	22.00	22.60	22.86							
1.4	QPSK	3	3	22.00	22.69	22.78	23	3					
1.4	QPSK	5	5	21.03	21.08	21.74							
1.4	QPSK	1	5	19.01	19.02	19.80	21	5					
1.4	QPSK	1	3	20.73	19.33	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							
1.4	QPSK	1	5	19.00	19.36	19.77	21	5					
1.4	QPSK	1	3	20.73	19.34	19.02							



Band 7_Ant 11														
RF (MHz)	Modulation	RF Size	RF Offset	Power Ch./F/Freq.	Power Ch./F/Freq.	Power Ch./F/Freq.	Time-out (min)	MFR (dB)						
Channel														
Frequency (MHz)														
30	QPSK	1	5	22.72	22.79	22.81	24.5	0						
20	QPSK	1	49	22.80	22.83	22.88								
20	QPSK	1	56	22.84	22.90	22.92								
20	QPSK	50	5	21.93	22.03	22.01								
20	QPSK	50	24	21.96	22.06	22.03	23.5	1						
20	QPSK	50	35	21.98	22.08	22.01								
20	QPSK	100	5	21.97	22.06	22.08								
20	QPSK	100	5	20.97	21.06	21.04								
20	QPSK	1	49	22.73	22.77	22.43	23.5	1						
20	QPSK	1	50	22.51	22.52	22.24								
20	QPSK	50	5	20.97	21.06	21.04								
20	QPSK	50	24	20.99	21.04	21.10								
20	QPSK	50	35	20.97	21.07	21.04	22.5	2						
20	QPSK	100	5	21.00	21.09	21.07								
20	QPSK	100	5	20.94	21.05	21.01								
20	QPSK	1	49	21.16	21.13	21.23								
20	QPSK	1	50	21.26	21.17	21.20	22.5	2						
20	QPSK	50	5	19.95	19.97	19.11								
20	QPSK	50	24	20.04	20.16	19.13								
20	QPSK	50	35	19.98	20.08	19.05								
20	QPSK	100	5	19.98	19.15	19.10	21.5	3						
20	QPSK	100	5	19.93	19.16	19.13								
20	QPSK	1	49	19.98	19.05	19.02								
20	QPSK	1	56	19.02	17.86	17.86								
20	QPSK	50	5	17.81	17.82	17.86	19.5	5						
20	QPSK	50	24	17.77	17.78	17.82								
20	QPSK	50	35	17.82	17.81	17.74								
20	QPSK	100	5	17.80	17.85	17.86								
Channel														
Frequency (MHz)														
15	QPSK	1	5	22.84	22.88	22.84	24.5	0						
15	QPSK	1	57	22.86	22.96	22.90								
15	QPSK	1	74	23.02	23.08	23.08								
15	QPSK	35	5	21.99	22.08	22.05								
15	QPSK	35	36	21.99	22.16	22.12	23.5	1						
15	QPSK	36	36	21.98	22.07	22.07								
15	QPSK	75	5	21.97	22.14	22.13								
15	QPSK	75	12	22.00	22.26	22.16								
15	QPSK	1	57	22.08	22.25	22.26	23.5	1						
15	QPSK	1	74	22.21	22.29	22.30								
15	QPSK	1	49	21.04	21.10	21.07								
15	QPSK	36	36	21.01	21.17	21.15								
15	QPSK	36	39	21.00	21.08	21.09	22.5	2						
15	QPSK	75	5	21.02	21.19	21.17								
15	QPSK	1	57	21.19	21.12	21.17								
15	QPSK	1	57	21.24	21.26	21.20								
15	QPSK	1	74	21.23	21.23	21.24	22.5	2						
15	QPSK	36	5	20.09	20.11	20.11								
15	QPSK	36	39	20.01	20.16	20.16								
15	QPSK	36	5	20.01	20.07	20.10								
15	QPSK	75	5	19.98	20.17	20.16	21.5	3						
15	QPSK	75	12	19.99	20.18	20.18								
15	QPSK	1	56	19.99	20.01	19.99								
15	QPSK	1	57	19.99	20.01	19.99								
15	QPSK	1	37	19.99	17.86	17.87	19.5	5						
15	QPSK	1	74	19.01	17.89	17.82								
15	QPSK	36	36	17.89	17.89	17.89								
15	QPSK	36	39	17.79	17.71	17.82								
15	QPSK	36	39	17.80	17.82	17.84	18.5	5						
15	QPSK	75	5	17.82	17.88	17.80								
15	QPSK	75	12	17.83	17.86	17.80								
15	QPSK	75	12	17.83	17.86	17.80								
Channel														
Frequency (MHz)														
15	QPSK	1	5	22.80	22.85	22.84	24.5	0						
15	QPSK	1	57	22.82	22.92	22.86								
15	QPSK	1	49	22.86	23.02	23.00								
15	QPSK	25	5	21.96	22.05	22.04								
15	QPSK	25	12	22.00	22.10	22.11	23.5	1						
15	QPSK	24	25	21.91	22.03	22.11								
15	QPSK	50	5	21.96	22.08	22.08								
15	QPSK	50	5	20.93	22.04	22.06								
15	QPSK	1	26	22.37	22.46	22.43	23.5	1						
15	QPSK	1	49	22.43	22.47	22.37								
15	QPSK	1	25	22.06	22.10	21.99								
15	QPSK	25	12	21.04	21.13	21.14								
15	QPSK	25	25	20.94	21.06	21.14	22.5	2						
15	QPSK	50	5	21.02	21.11	21.10								
15	QPSK	1	5	21.14	21.19	21.21								
15	QPSK	1	25	21.22	21.33	21.28								
15	QPSK	1	49	21.10	21.18	21.24	22.5	2						
15	QPSK	25	5	19.98	19.99	19.07								
15	QPSK	25	12	19.94	19.97	19.10								
15	QPSK	25	25	19.91	19.96	19.14								
15	QPSK	50	5	20.00	20.10	19.12	21.5	3						
15	QPSK	50	12	19.99	20.00	19.10								
15	QPSK	1	25	19.16	17.92	17.99								
15	QPSK	1	49	19.13	17.87	17.80								
15	QPSK	25	5	17.94	17.76	17.79	19.5	5						
15	QPSK	25	12	17.76	17.83	17.81								
15	QPSK	25	25	17.89	17.91	17.87								
15	QPSK	50	5	17.81	17.85	17.73								
Channel														
Frequency (MHz)														
5	QPSK	1	5	22.81	22.82	22.82	24.5	0						
5	QPSK	1	12	22.84	23.04	23.04								
5	QPSK	1	24	22.89	23.00	23.01								
5	QPSK	12	7	21.97	22.06	22.10								
5	QPSK	12	13	21.93	22.02	22.12	23.5	1						
5	QPSK	25	5	21.96	22.03	22.05								
5	QPSK	25	12	22.00	22.04	22.06								
5	QPSK	1	12	22.28	22.34	22.48								
5	QPSK	1	24	22.23	22.47	22.38	23.5	1						
5	QPSK	12	5	20.93	21.05	21.04								
5	QPSK	12	7	20.94	21.12	21.17								
5	QPSK	12	13	20.98	21.09	21.14								
5	QPSK	1	49	21.10	21.18	21.24	22.5	2						
5	QPSK	25	5	19.98	19.99	19.07								
5	QPSK	25	12	19.94	19.97	19.10								
5	QPSK	25	25	19.91	19.96	19.14								
5	QPSK	50	5	20.00	20.10	19.12	21.5	3						
5	QPSK	50	12	19.99	20.00	19.10								
5	QPSK	1	25	19.16	17.92	17.99								



Band 30_Ant 2											
RF BPF	Modulation	RF SS	RF Offset	Power Level Ch./Freq.	Power Level Ch./Freq.	Power Level Ch./Freq.	Time-up Interval (sec)	MFR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	5	22.75	22.75	22.75	15	0			
10	QPSK	1	25	13.73							
10	QPSK	1	45	12.77							
10	QPSK	25	5	12.94							
10	QPSK	25	12	12.98							
10	QPSK	25	25	12.95			14	1			
10	QPSK	50	5	13.34							
10	QPSK	50	12	13.38							
10	QPSK	50	25	13.32							
10	QPSK	1	45	12.94							
10	QPSK	1	25	15.75			14	1			
10	QPSK	1	45	13.96							
10	QPSK	25	5	12.98							
10	QPSK	25	12	12.92							
10	QPSK	25	25	12.99							
10	QPSK	50	5	12.95			13	2			
10	QPSK	50	12	12.94							
10	QPSK	50	25	12.94							
10	QPSK	1	45	12.94							
10	QPSK	1	25	11.99							
10	QPSK	1	45	12.94			13	2			
10	QPSK	25	5	10.97							
10	QPSK	25	12	10.98							
10	QPSK	25	25	11.28							
10	QPSK	50	5	11.16							
10	QPSK	50	12	9.67			10	5			
10	QPSK	50	25	9.69							
10	QPSK	1	45	9.91							
10	QPSK	25	5	9.69							
10	QPSK	25	12	9.91							
10	QPSK	25	25	9.92			10	5			
10	QPSK	50	5	9.92							
10	QPSK	50	12	9.92							
10	QPSK	50	25	9.92							
Channel											
Frequency (MHz)											
5	QPSK	1	5	14.09	14.21	14.13			15	0	
5	QPSK	1	12	13.75	13.86	13.88					
5	QPSK	1	24	14.78	14.59	14.68					
5	QPSK	12	5	12.79	12.88	12.88					
5	QPSK	12	12	12.79	12.88	12.88					
5	QPSK	12	13	13.76	13.27	13.29	14	1			
5	QPSK	25	5	13.11	13.07	13.09					
5	QPSK	25	12	13.02	13.06	13.05					
5	QPSK	25	25	13.02	13.06	13.05					
5	QPSK	50	5	11.86	11.88	11.85					
5	QPSK	50	12	11.86	11.82	11.80	13	2			
5	QPSK	50	25	11.86	11.82	11.80					
5	QPSK	1	5	10.27	10.26	10.40					
5	QPSK	1	12	11.06	11.00	11.76					
5	QPSK	1	24	12.07	12.04	12.70					
5	QPSK	12	5	10.86	10.81	10.92	12	3			
5	QPSK	12	12	10.76	10.74	10.80					
5	QPSK	12	13	11.27	11.27	11.12					
5	QPSK	25	5	11.06	10.96	11.07					
5	QPSK	25	12	8.90	8.90	8.97					
5	QPSK	25	25	8.90	8.90	8.97	10	5			
5	QPSK	50	5	8.90	8.90	8.97					
5	QPSK	50	12	8.90	8.90	8.97					
5	QPSK	50	25	8.90	8.90	8.97					
5	QPSK	50	25	8.90	8.90	8.97					

Band 66_Ant 1									
RF BPF	Modulation	RF SS	RF Offset	Power Level Ch./Freq.	Power Level Ch./Freq.	Power Level Ch./Freq.	Time-up Interval (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	5	24.21	24.20	24.20	26	0	
20	QPSK	1	14	24.37	24.32	24.32			
20	QPSK	50	5	23.48	23.43	23.51			
20	QPSK	50	24	23.48	23.47	23.50			
20	QPSK	50	50	23.51	23.45	23.50			
20	QPSK	100	0	23.53	23.48	23.53	25	1	
20	QPSK	100	5	23.56	23.52	23.52			
20	QPSK	100	14	24.07	23.98	23.98			
20	QPSK	100	50	23.98	23.98	23.97			
20	QPSK	1	50	23.98	23.98	23.97			
20	QPSK	1	50	23.98	23.98	23.97	24	2	
20	QPSK	50	24	22.59	22.55	22.57			
20	QPSK	50	50	22.59	22.47	22.58			
20	QPSK	100	0	22.59	22.47	22.58			
20	QPSK	1	0	22.52	22.57	22.72			
20	QPSK	1	49	22.89	22.85	22.89	23	3	
20	QPSK	50	24	21.58	21.52	21.59			
20	QPSK	50	50	21.52	21.46	21.59			
20	QPSK	1	0	19.41	19.39	19.43			
20	QPSK	1	50	19.39	19.37	19.43			
20	QPSK	1	50	19.36	19.28	19.47	21	5	
20	QPSK	50	5	19.36	19.28	19.43			
20	QPSK	50	24	19.37	19.33	19.44			
20	QPSK	50	50	19.47	19.42	19.50			
20	QPSK	100	0	19.46	19.42	19.50			
Channel									
Frequency (MHz)									
15	QPSK	1	5	24.35	24.31	24.48	26	0	
15	QPSK	1	14	24.34	24.31	24.43			
15	QPSK	1	74	24.32	24.28	24.43			
15	QPSK	36	5	23.44	23.37	23.48			
15	QPSK	36	14	23.43	23.47	23.50			
15	QPSK	36	50	23.48	23.41	23.51	25	1	
15	QPSK	75	5	23.47	23.43	23.52			
15	QPSK	75	14	23.46	23.43	23.52			
15	QPSK	75	37	23.78	23.73	23.84			
15	QPSK	75	74	23.66	23.63	23.66			
15	QPSK	36	0	22.45	22.45	22.48	24	2	
15	QPSK	50	24	22.51	22.48	22.52			
15	QPSK	50	24	22.51	22.48	22.52			
15	QPSK	1	0	22.52	22.52	22.60			
15	QPSK	1	37	22.71	22.70	22.76			
15	QPSK	36	0	22.52	22.52	22.60	23	3	
15	QPSK	36	20	21.46	21.36	21.46			
15	QPSK	36	20	21.52	21.45	21.50			
15	QPSK	36	20	21.52	21.45	21.50			
15	QPSK	75	0	21.50	21.45	21.50			
Channel									
Frequency (MHz)									
10	QPSK	1	5	24.41	24.36	24.48	26	0	
10	QPSK	1	14	24.41	24.36	24.48			
10	QPSK	1	49	24.36	24.32	24.44			
10	QPSK	25	5	23.48	23.43	23.50			
10	QPSK	25	14	23.44	23.47	23.50			
10	QPSK	25	24	23.52	23.43	23.50	25	1	
10	QPSK	50	5	23.54	23.48	23.48			
10	QPSK	50	14	23.79	23.64	23.64			
10	QPSK	1	25	23.81	23.72	23.87			
10	QPSK	1	49	23.80	23.72	23.85			
10	QPSK	1	25	22.52	22.41	22.52	24	2	
10	QPSK	1	49	22.52	22.41	22.52			
10	QPSK	25	12	22.59	22.48	22.52			



Band 38_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)	
Channel				37650	38000	38150			
Frequency (MHz)									
20	QPSK	1	0	24.88	24.98	25.03	26	0	
20	QPSK	1	49	25.08	25.20	25.22			
20	QPSK	1	99	25.02	25.12	25.18			
20	QPSK	50	0	23.98	24.09	24.22			
20	QPSK	50	24	24.72	24.87	24.92			
20	QPSK	50	50	24.13	24.20	24.27	25	1	
20	QPSK	100	0	24.06	24.13	24.17			
20	16QAM	1	99	23.92	23.99	24.07			
20	16QAM	1	49	24.72	24.87	24.92			
20	16QAM	1	99	24.27	24.10	24.23			
20	16QAM	50	0	22.86	23.13	23.20	25	1	
20	16QAM	50	24	23.12	23.16	23.27			
20	16QAM	50	50	23.06	23.20	23.33			
20	16QAM	100	0	23.13	23.16	23.27			
20	16QAM	1	0	22.52	23.12	23.24			
20	16QAM	1	49	23.21	22.81	23.54	24	2	
20	16QAM	1	99	23.32	23.23	23.98			
20	16QAM	50	0	21.98	22.13	22.08			
20	16QAM	50	24	22.13	22.24	22.27			
20	16QAM	50	50	22.12	22.27	22.26			
20	16QAM	100	0	22.12	22.16	22.97	23	3	
20	256QAM	1	0	19.72	19.82	19.97			
20	256QAM	1	49	19.74	19.88	19.67			
20	256QAM	1	99	19.78	19.81	19.87			
20	256QAM	50	0	19.73	19.86	19.67			
20	256QAM	50	24	19.81	19.88	19.80	21	5	
20	256QAM	50	50	19.87	20.00	19.97			
20	256QAM	100	0	19.78	19.90	19.84			
Channel				37625	38000	38125	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	0	24.72	24.92	25.11	26	0	
15	QPSK	1	37	24.78	25.17	25.00			
15	QPSK	1	74	24.84	24.99	25.00			
15	QPSK	36	0	23.70	23.92	23.90			
15	QPSK	36	20	23.86	23.99	24.09			
15	QPSK	36	39	23.94	24.04	24.04	25	1	
15	QPSK	75	0	23.91	23.94	24.01			
15	16QAM	1	0	23.08	23.78	23.86			
15	16QAM	1	37	23.84	23.90	23.83			
15	16QAM	1	74	24.11	23.86	23.94			
15	16QAM	36	0	22.67	22.94	22.93	24	2	
15	16QAM	36	20	22.86	22.94	23.04			
15	16QAM	36	39	22.81	22.93	22.91			
15	16QAM	75	0	22.80	22.85	22.97			
15	16QAM	1	0	22.81	22.85	22.68			
15	16QAM	1	37	23.14	23.29	23.86	24	2	
15	16QAM	1	74	23.07	23.05	22.83			
15	16QAM	36	0	21.76	22.09	22.81			
15	16QAM	36	20	21.90	21.92	22.02			
15	16QAM	36	39	21.98	21.97	21.98			
15	16QAM	75	0	21.82	21.94	22.04	23	3	
15	256QAM	1	0	19.49	19.63	19.77			
15	256QAM	1	37	19.56	19.88	19.78			
15	256QAM	1	74	19.60	19.86	19.81			
15	256QAM	36	0	19.75	19.76	19.84			
15	256QAM	36	20	19.90	19.97	19.98	21	5	
15	256QAM	36	39	19.87	19.86	20.05			
15	256QAM	75	0	19.75	19.74	19.71			
Channel				37725	38000	38225	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	0	24.86	25.09	25.02	26	0	
10	QPSK	1	25	24.91	25.16	25.08			
10	QPSK	1	49	24.90	25.04	25.04			
10	QPSK	25	0	23.88	24.14	24.17			
10	QPSK	25	12	23.97	24.02	24.10			
10	QPSK	25	25	23.99	24.23	24.10	25	1	
10	QPSK	25	0	23.94	24.03	24.18			
10	16QAM	1	0	24.11	24.26	23.97			
10	16QAM	1	25	23.94	24.26	24.10			
10	16QAM	1	49	24.16	24.15	24.06			
10	16QAM	25	0	23.83	23.92	24.08	25	1	
10	16QAM	25	12	23.91	23.12	23.14			
10	16QAM	25	25	22.96	23.02	23.07			
10	16QAM	50	0	22.96	23.03	23.07			
10	16QAM	50	25	22.95	23.17	23.18			
10	16QAM	1	25	22.89	23.09	23.00	24	2	
10	16QAM	1	49	22.95	22.94	23.23			
10	16QAM	25	0	21.74	22.06	22.20			
10	16QAM	25	12	22.02	22.16	22.10			
10	16QAM	25	25	22.04	22.28	22.14			
10	16QAM	50	0	21.94	22.15	22.09	23	3	
10	256QAM	1	0	19.58	19.91	19.89			
10	256QAM	1	25	19.76	19.85	19.48			
10	256QAM	1	49	19.66	19.95	19.84			
10	256QAM	25	0	19.69	19.94	20.04			
10	256QAM	25	12	19.81	19.76	19.75	21	5	
10	256QAM	25	25	19.84	19.89	19.89			
10	256QAM	50	0	19.77	19.97	19.64			
Channel				37775	38000	38225	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	0	24.79	25.10	25.02	26	0	
5	QPSK	1	12	24.75	25.18	25.09			
5	QPSK	1	24	24.76	25.12	25.08			
5	QPSK	12	0	23.83	23.98	24.09			
5	QPSK	12	7	23.88	24.08	24.06			
5	QPSK	12	13	23.87	24.09	24.04	25	1	
5	QPSK	25	0	23.81	24.00	24.07			
5	16QAM	1	0	23.90	24.12	24.17			
5	16QAM	1	12	23.94	24.23	24.35			
5	16QAM	1	24	23.92	24.11	24.06			
5	16QAM	12	0	22.67	22.99	22.99	24	2	
5	16QAM	12	7	22.96	23.07	23.12			
5	16QAM	12	13	22.99	23.06	23.07			
5	16QAM	25	0	22.86	23.04	23.16			
5	16QAM	1	0	22.62	23.00	23.10			
5	16QAM	1	12	23.08	23.10	22.89	24	2	
5	16QAM	1	24	22.82	23.02	22.98			
5	16QAM	12	0	21.69	22.05	22.06			
5	16QAM	12	7	21.92	22.07	22.06			
5	16QAM	12	13	21.86	22.09	22.09			
5	16QAM	25	0	21.84	22.07	22.13	23	3	
5	256QAM	1	0	19.51	19.63	19.97			
5	256QAM	1	12	19.65	19.95	19.64			
5	256QAM	1	24	19.67	19.98	19.68			
5	256QAM	12	0	19.67	19.72	20.20			
5	256QAM	12	7	19.67	19.94	19.93	21	5	
5	256QAM	12	13	19.68	20.13	19.85			
5	256QAM	25	0	19.91	19.83	19.81			

Band 38_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)			
Channel				37650	38000	38150					
Frequency (MHz)				2580	2595	2610					
20	QPSK	1	0	14.76	14.74	14.74	16	0			
20	QPSK	1	49	14.85	14.97	15.01					
20	QPSK	1	99	14.88	14.90	14.94					
20	QPSK	50	0	13.74	13.86	13.92					
20	QPSK	50	24	13.81	13.86	14.02					
20	QPSK	50	50	13.94	13.92	13.98	15	1			
20	QPSK	100	0	13.85	13.87	14.00					
20	16QAM	1	0	13.86	14.07	13.93					
20	16QAM	1	49	13.90	13.96	14.12					
20	16QAM	1	99	13.74	13.92	14.16					
20	16QAM	50	0	12.71	12.88	13.02	15	1			
20	16QAM	50	24	12.86	13.03	13.01					
20	16QAM	50	50	12.85	13.08	12.97					
20	16QAM	100	0	12.86	12.83	12.95					
20	16QAM	1	0	12.80	12.86	12.82		14	2		
20	16QAM	1	49	12.80	12.82	12.81					
20	16QAM	1	99	12.86	12.82	13.00					
20	16QAM	50	0	11.73	11.80	11.84					
20	16QAM	50	24	11.90	11.93	11.98					
20	16QAM	50	50	11.93	12.02	11.97	13	3			
20	16QAM	100	0	11.82	11.91	11.96					
20	256QAM	1	0	8.06	8.04	8.04					
20	256QAM	1	49	9.81	9.84	9.94					
20	256QAM	1	99	10.03	10.06	10.02					
20	256QAM	50	0	9.65	9.73	9.79	11	5			
20	256QAM	50	24	9.76	9.79	9.79					
20	256QAM	50	50	9.87	9.97	10.03					
20	256QAM	100	0	9.93	10.02	9.98					
Channel <th>37650</th> <th>38000</th> <th>38150</th> <th>Turn-up time (dBm)</th> <th>MPR (dB)</th> <th></th>				37650	38000	38150			Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				2612.5	2695	2617.5					
15	QPSK	1	0	14.68	14.71	14.58	16	0			
15	QPSK	1	37	14.96	14.87	14.88					
15	QPSK	1	74	14.71	14.73	14.89					
15	QPSK	36	0	13.86	13.86	13.86					
15	QPSK	36	20	13.86	13.81	13.86					
15	QPSK	36	39	13.75	13.80	13.92	15	1			
15	QPSK	75	0	13.75	13.75	13.83					
15	15QAM	1	0	13.74	13.90	13.93					
15	15QAM	1	37	13.79	13.86	14.05					
15	15QAM	1	74	13.66	13.85	14.00					
15	16QAM	36	0	12.84	12.85	12.91	14	2			
15	16QAM	36	20	12.86	12.86	12.91					
15	16QAM	36	39	12.70	13.03	12.96					
15	16QAM	75	0	12.89	12.75	12.83					
15	16QAM	1	0	12.45	12.50	12.67					
15	16QAM	1	37	12.48	12.71	12.75	14	2			
15	16QAM	1	74	12.61	12.74	12.91					
15	16QAM	36	0	11.70	11.80	11.80					
15	16QAM	36	20	11.82	11.75	11.94					
15	16QAM	36	39	11.73	11.91	11.81					
15	16QAM	75	0	11.63	11.84	11.95	13	3			
15	256QAM	1	0	9.60	9.73	9.84					
15	256QAM	1	37	9.76	9.76	9.93					
15	256QAM	1	74	9.88	9.86	9.93					
15	256QAM	36	0	9.64	9.63	9.72					
15	256QAM	36	20	9.63	9.76	9.87	11	5			
15	256QAM	36	39	9.72	9.80	9.88					
15	256QAM	75	0	9.82	10.01	9.98					
Channel <th>37650</th> <th>38000</th> <th>38150</th> <th>Turn-up time (dBm)</th> <th>MPR (dB)</th> <th></th>				37650	38000	38150			Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615					
10	QPSK	1	0	14.59	14.70	14.63	16	0			
10	QPSK	1	25	14.82	14.79	14.81					
10	QPSK	1	49	14.82	14.81	14.90					
10	QPSK	25	0	13.68	13.67	13.91					
10	QPSK	25	12	13.78	13.90	13.90					
10	QPSK	25	25	13.87	13.82	13.78	15	1			
10	QPSK	50	0	13.84	13.84	13.90					
10	16QAM	1	0	13.77	13.92	13.83					
10	16QAM	1	25	13.75	13.92	14.06					
10	16QAM	1	49	13.56	13.97	13.98					
10	16QAM	25	0	12.70	12.86	12.86	14	2			
10	16QAM	25	12	12.92	12.84	12.90					
10	16QAM	25	25	12.83	12.89	12.87					
10	16QAM	50	0	12.89	12.73	12.86					
10	16QAM	1	25	12.87	12.86	12.83					
10	16QAM	1	49	12.49	12.70	12.85	14	2			
10	16QAM	25	0	11.57	11.68	11.68					
10	16QAM	25	12	11.67	11.62	11.49					
10	16QAM	25	25	11.87	11.84	11.97					
10	16QAM	50	0	11.81	11.87	11.79					
10	256QAM	1	0	9.57	9.62	9.75	11	5			
10	256QAM	1	25	9.74	9.83	9.81					
10	256QAM	1	49	9.87	10.04	10.01					
10	256QAM	25	0	9.51	9.63	9.63					
10	256QAM	25	12	9.75	9.67	9.75					
10	256QAM	25	25	9.69	9.89	9.96	11	5			
10	256QAM	50	0	9.89	9.96	9.91					
Channel <th>37775</th> <th>38000</th> <th>38225</th> <th>Turn-up time (dBm)</th> <th>MPR (dB)</th> <th></th>				37775	38000	38225			Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				2612.5	2695	2617.5					
5	QPSK	1	0	14.64	14.62	14.64			16	0	
5	QPSK	12	0	14.50	14.63	14.68					
5	QPSK	1	24	14.60	14.89	14.81					
5	QPSK	12	0	13.70	13.86	13.79					
5	QPSK	12	7	13.83	13.88	13.83					
5	QPSK	12	13	13.87	13.83	13.81	15	1			
5	QPSK	25	0	13.66	13.78	13.95					
5	16QAM	1	0	13.81	13.97	13.87					
5	16QAM	1	12	13.88	13.92	14.02					
5	16QAM	1	24	13.97	13.88	14.10					
5	16QAM	12	0	12.55	12.84	12.91	14	2			
5	16QAM	12	7	12.80	12.86	12.99					
5	16QAM	12	13	12.77	12.98	12.84					
5	16QAM	25	0	12.76	12.76	12.87					
5	16QAM	1	0	12.50	12.83	12.68					
5	16QAM	1	12	12.41	12.75	12.77	14	2			
5	16QAM	1	24	12.50	12.72	12.77					
5	16QAM	12	0	11.72	11.83	11.73					
5	16QAM	12	7	11.78	11.79	11.68					
5	16QAM	12	13	11.88	12.01	11.81					
5	16QAM	25	0	11.64	11.89	11.81	11	5			
5	256QAM	1	0	9.61	9.62	9.69					
5	256QAM	1	12	9.78	9.84	9.81					
5	256QAM	1	24	9.89	9.93	10.00					
5	256QAM	12	0	9.49	9.65	9.67					
5	256QAM	12	7	9.80	9.86	9.71	11	5			
5	256QAM	12	13	9.77	9.81	9.94					
5	256QAM	25	0	9.62	9.89	9.80					

Band 41_Ant 2													
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)				25006	2549.5	25933	2636.5	26803					
20	QPSK	1	0	14.44	14.51	14.60	14.60	14.51	16	0			
20	QPSK	1	49	14.77	14.80	14.83	15.00	14.58					
20	QPSK	1	99	14.41	14.65	14.78	14.51	14.97					
20	QPSK	50	0	13.58	13.68	13.79	13.62	13.62					
20	QPSK	50	24	13.69	13.78	13.89	14.02	14.01					
20	QPSK	50	50	13.63	13.75	13.83	13.88	13.58	15	1			
20	QPSK	100	0	13.58	13.77	13.82	13.99	13.97					
20	16QAM	1	0	13.53	13.74	13.65	13.43	13.30					
20	16QAM	1	49	13.30	13.79	14.09	13.72	13.89					
20	16QAM	1	99	13.71	13.93	13.87	13.50	14.00					
20	16QAM	50	0	12.56	12.65	12.82	12.76	12.79	14	2			
20	16QAM	50	24	12.71	12.76	12.91	13.02	13.05					
20	16QAM	50	50	12.66	12.84	12.86	12.86	12.89					
20	16QAM	100	0	12.62	12.79	12.84	12.89	12.90					
20	64QAM	1	0	12.58	12.99	12.94	12.66	12.86					
20	64QAM	1	49	12.63	12.79	12.83	12.86	13.03	14	2			
20	64QAM	1	99	12.52	12.57	12.71	12.71	12.89					
20	64QAM	50	0	11.53	11.75	11.70	11.89	11.80					
20	64QAM	50	24	11.67	11.77	11.85	12.00	12.07					
20	64QAM	50	50	11.57	11.77	11.85	11.91	12.01					
20	64QAM	100	0	11.54	11.73	11.86	11.83	11.89	13	3			
20	256QAM	1	0	9.60	9.75	9.61	9.79	9.76					
20	256QAM	1	49	9.72	9.83	9.84	9.94	10.08					
20	256QAM	1	99	9.53	9.71	9.78	9.84	9.99					
20	256QAM	50	0	9.51	9.77	9.67	9.98	9.85					
20	256QAM	50	24	9.99	9.68	9.78	10.01	9.97	11	5			
20	256QAM	50	50	9.65	9.86	9.93	9.92	9.94					
20	256QAM	100	0	9.62	9.72	9.91	9.81	9.94					
Channel				39703	40173	40620	41068	41515	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2603.5	26478.3	26923.1	27373.8	27822.5					
15	QPSK	1	0	14.38	14.45	14.45	14.47	14.49	16	0			
15	QPSK	1	37	14.57	14.68	14.84	15.01	14.89					
15	QPSK	1	74	14.34	14.48	14.68	14.38	14.62					
15	QPSK	36	0	13.44	13.64	13.71	13.79	13.63					
15	QPSK	36	20	13.64	13.72	13.78	13.90	13.95					
15	QPSK	36	39	13.52	13.65	13.80	13.68	13.85	15	1			
15	QPSK	75	0	13.55	13.70	13.72	13.88	13.81					
15	16QAM	1	0	13.53	13.68	13.39	13.41	13.30					
15	16QAM	1	37	13.10	13.70	13.99	13.63	13.65					
15	16QAM	1	74	13.69	13.85	13.72	13.43	13.60					
15	16QAM	36	0	12.43	12.65	12.62	12.60	12.65	14	2			
15	16QAM	36	20	12.65	12.67	12.89	12.93	12.90					
15	16QAM	36	39	12.47	12.80	12.70	12.69	12.76					
15	16QAM	75	0	12.62	12.65	12.74	12.75	12.82					
15	64QAM	1	0	12.45	12.47	12.53	12.54	12.71					
15	64QAM	1	37	12.54	12.75	12.66	12.66	12.83	14	2			
15	64QAM	1	74	12.44	12.37	12.69	12.52	12.74					
15	64QAM	36	0	11.37	11.60	11.52	11.81	11.62					
15	64QAM	36	20	11.48	11.57	11.71	11.90	12.04					
15	64QAM	36	39	11.44	11.67	11.80	11.82	11.84					
15	64QAM	75	0	11.46	11.73	11.80	11.75	11.84	13	3			
15	256QAM	1	0	9.42	9.58	9.57	9.60	9.63					
15	256QAM	1	37	9.56	9.70	9.71	9.76	9.92					
15	256QAM	1	74	9.46	9.57	9.78	9.71	9.86					
15	256QAM	36	0	9.48	9.75	9.68	9.88	9.81					
15	256QAM	36	20	9.41	9.55	9.76	9.99	9.83	11	5			
15	256QAM	36	39	9.54	9.76	9.93	9.85	9.93					
15	256QAM	75	0	9.47	9.66	9.73	9.69	9.83					
Channel				39703	40160	40620	41080	41549	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				26035	26517	26993	27453	27929					
10	QPSK	1	0	14.29	14.33	14.51	14.57	14.36	16	0			
10	QPSK	1	25	14.46	14.62	14.65	14.92	14.92					
10	QPSK	1	49	14.36	14.47	14.72	14.47	14.85					
10	QPSK	25	0	13.43	13.63	13.67	13.64	13.69					
10	QPSK	25	12	13.66	13.69	13.85	13.86	13.94					
10	QPSK	25	25	13.43	13.67	13.70	13.68	13.62	15	1			
10	QPSK	50	0	13.52	13.71	13.81	13.79	13.85					
10	16QAM	1	0	13.33	13.61	13.55	13.33	13.16					
10	16QAM	1	25	13.18	13.63	14.01	13.60	13.79					
10	16QAM	1	49	13.63	13.92	13.84	13.45	13.81					
10	16QAM	25	0	12.52	12.59	12.63	12.69	12.64	14	2			
10	16QAM	25	12	12.71	12.74	12.89	12.90	12.93					
10	16QAM	25	25	12.50	12.76	12.72	12.77	12.84					
10	16QAM	50	0	12.51	12.76	12.77	12.78	12.73					
10	64QAM	1	0	12.36	12.53	12.44	12.50	12.76					
10	64QAM	1	25	12.51	12.78	12.54	12.94	12.94	14	2			
10	64QAM	1	49	12.41	12.55	12.67	12.61	12.88					
10	64QAM	25	0	11.50	11.56	11.67	11.70	11.66					
10	64QAM	25	12	11.59	11.58	11.70	11.98	11.89					
10	64QAM	25	25	11.41	11.76	11.68	11.71	11.88					
10	64QAM	50	0	11.47	11.66	11.81	11.80	11.81	11	5			
10	256QAM	1	0	9.48	9.62	9.43	9.65	9.67					
10	256QAM	1	25	9.61	9.72	9.79	9.86	9.94					
10	256QAM	1	49	9.35	9.68	9.64	9.77	9.95					
10	256QAM	25	0	9.35	9.68	9.57	9.93	9.75					
10	256QAM	25	12	9.48	9.54	9.69	9.96	9.93	11	5			
10	256QAM	25	25	9.56	9.77	9.92	9.82	9.93					
10	256QAM	50	0	9.62	9.62	9.86	9.70	9.87					
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2468.5	2545.8	2593.1	2640.35	2687.5					
5	QPSK	1	0	14.42	14.62	14.79	14.40	14.49	16	0			
5	QPSK	1	12	14.65	14.69	14.76	14.94	14.94					
5	QPSK	1	24	14.21	14.52	14.63	14.38	14.78					
5	QPSK	12	0	13.40	13.51	13.68	13.64	13.69					
5	QPSK	12	7	13.57	13.59	13.85	14.01	13.98					
5	QPSK	12	13	13.57	13.62	13.79	13.73	13.85	15	1			
5	QPSK	25	0	13.43	13.72	13.72	13.89	13.83					
5	16QAM	1	0	13.51	13.55	13.50	13.32	13.22					
5	16QAM	1	12	13.26	13.72	13.93	13.63	13.65					
5	16QAM	1	24	13.70	13.76	13.76	13.32	13.95					
5	16QAM	12	0	12.49	12.58	12.76	12.98	12.68	14	2			
5	16QAM	12	7	12.54	12.57	12.81	12.89	12.86					
5	16QAM	12	13	12.53	12.72	12.71	12.84	12.74					
5	16QAM	25	0	12.43	12.68	12.83	12.76	12.83					
5	64QAM	1	0	12.46	12.93	12.45	12.63	12.77					
5	64QAM	1	12	12.45	12.99	12.83	12.84	12.93	14	2			
5	64QAM	1	24	12.38	12.54	12.54	12.55	12.82					
5	64QAM	12	0	11.36	11.60	11.52	11.81	11.61					
5	64QAM	12	7	11.59	11.72	11.82	11.83	12.07					
5	64QAM	12	13	11.37	11.71	11.71	11.81	11.81					
5	64QAM	25	0	11.41	11.56	11.80	11.70	11.76	11	5			
5	256QAM	1	0	9.60	9.69	9.56	9.66	9.75					
5	256QAM	1	12	9.66	9.68	9.70	9.78	9.89					
5	256QAM	1	24	9.36	9.62	9.60	9.78	9.96					
5	256QAM	12	0	9.40	9.65	9.55	9.80	9.76					
5	256QAM	12	7	9.42	9.62	9.73	9.91	9.96	11	5			
5	256QAM	12	13	9.65	9.72	9.84	9.88	9.77					
5	256QAM	25	0	9.46	9.71	9.82	9.71	9.83					



ENDC Power for State 12

Band 2_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Time-slot (sec)	APN (dB)
Channel									
Frequency (MHz)									
18000 18000 18000									
20	QPSK	1	0	19.79	19.71	19.82		21.5	0
20	QPSK	1	49	19.80	19.71	19.87			
20	QPSK	1	99	19.71	19.88	19.86			
20	QPSK	50	5	18.73	18.78	18.86			
20	QPSK	50	24	18.73	18.78	18.86			
20	QPSK	50	50	18.77	18.87	18.93		20.5	1
20	QPSK	100	0	18.79	18.72	19.01			
20	QPSK	100	0	18.79	18.72	19.01			
20	QPSK	1	49	19.82	19.84	19.98		20.5	1
20	QPSK	1	99	19.75	19.83	19.95			
20	QPSK	50	24	17.80	17.83	18.21			
20	QPSK	50	50	17.80	17.88	18.01		19.5	2
20	QPSK	100	0	17.86	17.82	18.13			
20	QPSK	100	0	17.86	17.84	18.13			
20	QPSK	1	49	17.94	17.94	18.13		19.5	2
20	QPSK	50	5	16.87	16.83	17.09			
20	QPSK	50	24	16.87	16.81	17.01		18.5	3
20	QPSK	50	50	17.20	16.90	16.91			
20	QPSK	100	0	16.88	16.81	16.98			
20	QPSK	1	0	15.20	15.05	15.13		18.5	5
20	QPSK	1	49	15.25	15.12	15.03			
20	QPSK	1	99	15.02	15.05	14.84			
20	QPSK	50	5	14.85	15.07	15.13		18.5	5
20	QPSK	50	24	14.86	15.19	15.01			
20	QPSK	50	50	14.82	15.01	14.86			
20	QPSK	100	0	14.86	15.02	14.76			
Channel									
Frequency (MHz)									
1807.5 1800 1802.5									
15	QPSK	1	0	19.84	19.58	19.84		21.5	0
15	QPSK	1	37	19.85	19.41	19.70			
15	QPSK	1	74	19.81	19.52	19.78			
15	QPSK	36	5	18.85	18.85	18.85			
15	QPSK	36	36	18.81	18.83	18.82		20.5	1
15	QPSK	75	0	18.88	18.84	18.92			
15	QPSK	1	0	17.88	17.81	17.93		20.5	1
15	QPSK	1	37	18.82	18.83	18.13			
15	QPSK	1	74	19.11	18.78	18.11			
15	QPSK	36	5	17.85	17.87	17.91		19.5	2
15	QPSK	36	36	17.87	17.75	18.01			
15	QPSK	75	0	17.85	17.75	17.88			
15	QPSK	1	0	17.84	17.75	17.88		19.5	2
15	QPSK	1	0	17.83	17.83	18.16			
15	QPSK	1	37	17.86	17.86	18.01		19.5	2
15	QPSK	1	74	17.85	17.85	18.02			
15	QPSK	36	0	16.78	16.73	17.03			
15	QPSK	36	36	16.78	16.78	16.82		18.5	3
15	QPSK	36	36	17.79	18.74	18.77			
15	QPSK	75	0	16.73	16.76	16.86			
15	QPSK	1	0	15.75	15.69	15.12		18.5	5
15	QPSK	1	37	15.75	14.89	14.84			
15	QPSK	1	74	15.00	14.91	14.71			
15	QPSK	36	5	14.86	15.02	15.10		18.5	5
15	QPSK	36	36	14.84	15.13	14.88			
15	QPSK	36	36	14.73	15.00	14.84			
15	QPSK	75	0	14.79	14.94	14.83			
Channel									
Frequency (MHz)									
1805 1800 1805									
18	QPSK	1	0	19.82	19.53	19.72		21.5	0
18	QPSK	1	24	19.75	19.78	19.77			
18	QPSK	1	49	19.80	19.58	19.69			
18	QPSK	25	0	18.80	18.78	18.84			
18	QPSK	25	12	18.79	18.74	18.83		20.5	1
18	QPSK	25	25	18.73	18.81	18.87			
18	QPSK	50	0	18.75	18.79	18.89			
18	QPSK	1	0	18.88	18.83	19.17		20.5	1
18	QPSK	1	25	18.88	19.01	18.87			
18	QPSK	1	49	19.06	18.89	18.29			
18	QPSK	25	0	17.84	17.88	18.08		19.5	2
18	QPSK	25	12	17.82	17.78	17.92			
18	QPSK	25	25	17.84	17.82	17.77			
18	QPSK	50	0	17.78	17.80	17.91		19.5	2
18	QPSK	1	0	17.73	17.77	17.96			
18	QPSK	1	25	17.81	17.81	18.03		19.5	2
18	QPSK	1	49	17.82	17.78	17.74			
18	QPSK	25	0	16.80	16.89	17.02			
18	QPSK	25	12	16.79	16.79	16.81		18.5	3
18	QPSK	25	25	17.13	16.77	16.81			
18	QPSK	50	0	16.80	16.89	16.87			
18	QPSK	1	0	15.80	15.80	15.80		18.5	5
18	QPSK	1	25	15.07	15.00	15.02			
18	QPSK	1	49	14.90	14.82	14.80			
18	QPSK	25	0	14.85	14.86	15.01		18.5	5
18	QPSK	25	12	14.86	15.06	15.01			
18	QPSK	25	25	14.82	14.98	14.79			
18	QPSK	50	0	14.75	14.85	14.85			
Channel									
Frequency (MHz)									
1805.5 1800 1810.5									
5	QPSK	1	0	19.80	19.71	19.73		21.5	0
5	QPSK	1	12	19.89	19.80	19.83			
5	QPSK	1	24	19.57	19.85	19.82			
5	QPSK	12	0	18.88	18.80	18.86			
5	QPSK	12	7	18.75	18.78	18.84		20.5	1
5	QPSK	12	13	18.83	18.84	18.72			
5	QPSK	26	0	18.82	18.82	18.82			
5	QPSK	1	0	18.82	18.14	18.14		20.5	1
5	QPSK	1	12	18.79	18.87	18.03			
5	QPSK	1	24	18.88	18.88	18.88			
5	QPSK	12	5	17.86	17.83	18.21		19.5	2
5	QPSK	12	7	17.84	17.71	17.85			
5	QPSK	12	13	17.85	17.77	17.77		19.5	2
5	QPSK	26	5	17.75	17.68	17.76			
5	QPSK	1	0	17.85	17.78	18.15		19.5	2
5	QPSK	1	12	17.79	17.78	17.85			
5	QPSK	1	24	17.81	17.79	17.85		18.5	3
5	QPSK	12	0	16.72	16.73	17.04			
5	QPSK	12	7	16.72	16.72	16.81			
5	QPSK	12	13	17.12	16.89	16.71		18.5	3
5	QPSK	26	0	16.76	16.71	16.84			
5	QPSK	1	0	15.87	15.86	15.87		18.5	5
5	QPSK	1	12	15.13	14.99	14.91			
5	QPSK	1	24	14.91	14.94	14.79			
5	QPSK	12	0	14.85	14.84	15.11		18.5	5
5	QPSK	12	7	14.98	15.09	14.82			
5	QPSK	12	13	14.89	14.82	14.88			
5	QPSK	26	0	14.87	14.82	14.72			
Channel									
Frequency (MHz)									
1801.5 1800 1803.5									
3	QPSK	1	0	19.83	19.83	19.83		21.5	0
3	QPSK	1	8	19.83	19.76	19.76			
3	QPSK	1	14	19.68	19.85	19.80			
3	QPSK	8	0	18.85	18.85	18.84		20.5	1
3	QPSK	8	4	18.85	18.89	18.91			
3	QPSK	8	7	18.87	18.80	18.80			
3	QPSK	16	0	18.84	18.87	18.91			
3	QPSK	1	0	19.01	19.05	19.09		20.5	1
3	QPSK	1	8	18.87	18.95	18.90			
3	QPSK	1	14	18.88	18.96	18.94			
3	QPSK	8	0	17.75	17.79	18.04		19.5	2
3	QPSK	8	4	17.83	17.77	17.87			
3	QPSK	8	7	17.75	17.76	17.80		19.5	2
3	QPSK	15	5	17.68	17.71	17.87			
3	QPSK	1	0	17.75	17.80	18.18		19.5	2
3	QPSK	1	8	17.87	17.78	17.80			
3	QPSK	1	14	17.81	17.79	17.79			
3	QPSK	8	0	16.71	16.69	17.07			
3	QPSK	8	4	16.70	16.66	16.87		18.5	3
3	QPSK	8	7	17.18	16.76	16.72			
3	QPSK	15	0	16.76	16.63	16.90			
3	QPSK	1	0	15.15	15.01	15.11		18.5	5
3	QPSK	1	8	15.19	14.93	14.92			
3	QPSK	1	14	14.87	14.81	14.80			
3	QPSK	8	0	14.80	14.83	15.01		18.5	5
3	QPSK	8	4	14.84	15.08	14.86			
3	QPSK	8	7	14.82	14.88	14.77			
3	QPSK	15	0	14.71	14.69	14.71			
Channel									
Frequency (MHz)									
1800.7 1800 1800.3									
14	QPSK	1	0	19.83	19.83	19.83		21.5	0
14	QPSK	1	3	19.80	19.76	19.76			
14	QPSK	1	14	19.49	19.49	19.49			
14	QPSK	1	8	19.49	19.49	19.49		20.5	0
14	QPSK	1	14	19.49	19.49	19.49			
14	QPSK	3	0	18.43	18.43				



Band 5_Ant 0										
RF BPF	Modulation	RF Size	RF Offset	Power Ch./Freq.	Power Min./Ch./Freq.	Power Max./Ch./Freq.	Time-up (min)	MFR (dB)		
Channel Frequency (MHz)										
				20450	20450	20500				
10	QPSK	1	5	19.75	19.75	19.93	21.5	0		
10	QPSK	1	25	19.75	19.75	19.93				
10	QPSK	1	45	19.79	19.97	20.00				
10	QPSK	25	5	19.93	19.92	19.91				
10	QPSK	25	12	19.93	19.91	19.89				
10	QPSK	25	25	19.93	19.96	19.97	20.5	1		
10	QPSK	50	5	19.96	19.96	19.99				
10	QPSK	50	12	19.96	19.96	19.94				
10	QPSK	1	25	19.99	19.94	19.94				
10	QPSK	1	45	19.94	19.94	19.99				
10	QPSK	25	25	19.99	19.99	19.99	19.5	2		
10	QPSK	25	12	19.97	19.97	19.92				
10	QPSK	25	25	19.99	19.94	19.93				
10	QPSK	50	5	19.99	19.95	19.93				
10	QPSK	50	12	19.99	19.95	19.92				
10	QPSK	1	45	19.96	19.95	19.93	19.5	2		
10	QPSK	1	25	19.96	19.99	19.97				
10	QPSK	1	45	19.96	19.95	19.94				
10	QPSK	25	5	19.99	19.94	19.96				
10	QPSK	25	12	19.99	19.97	19.96				
10	QPSK	25	25	19.99	19.96	19.99	18.5	3		
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99	18.5	5		
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	25	5	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99	18.5	5		
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99	18.5	5		
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99	18.5	5		
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99	18.5	5		
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99	18.5	5		
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99	18.5	5		
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99	18.5	5		
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99	18.5	5		
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99	18.5	5		
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99	18.5	5		
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99	18.5	5		
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99	18.5	5		
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99	18.5	5		
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99	18.5	5		
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99	18.5	5		
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99	18.5	5		
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99	18.5	5		
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99	18.5	5		
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99	18.5	5		
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99	18.5	5		
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99	18.5	5		
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99	18.5	5		
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99	18.5	5		
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99	18.5	5		
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99	18.5	5		
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99				
10	QPSK	50	12	19.99	19.96	19.99	18.5	5		
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99	19.96	19.99				
10	QPSK	50	5	19.99	19.96	19.99	18.5	5		
10	QPSK	50	12	19.99	19.96	19.99				
10	QPSK	1	25	19.99	19.96	19.99				
10	QPSK	1	45	19.99	19.96	19.99				
10	QPSK	25	25	19.99	19.96	19.99				
10	QPSK	25	12	19.99						



Band 7_Ant 11											
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Min./Ch./Freq.	Power Max./Ch./Freq.	Time-up (min)	MPK (dB)			
Channel											
Frequency (MHz)				2100	2100	2100					
30	QPSK	1	5	21.71	21.84	21.81	23.5	0			
10	QPSK	1	49	21.87	21.86	21.85					
20	QPSK	1	99	22.53	22.53	22.53					
20	QPSK	50	5	20.97	21.00	21.03					
20	QPSK	50	24	20.98	21.01	21.03					
20	QPSK	50	35	20.95	20.99	21.02	22.5	1			
20	QPSK	100	5	21.09	21.09	21.05					
20	QPSK	50	5	20.98	20.98	20.98					
20	QPSK	1	49	21.32	21.45	21.44					
20	QPSK	1	99	21.24	21.26	21.30					
20	QPSK	50	5	20.98	20.98	20.98	21.5	2			
20	QPSK	50	24	20.95	20.92	20.93					
20	QPSK	50	35	20.96	20.97	20.94					
20	QPSK	1	5	19.97	20.09	20.02					
20	QPSK	1	49	20.23	20.12	20.17					
20	QPSK	1	99	20.25	20.18	20.10	21.5	2			
20	QPSK	50	5	19.98	19.96	19.93					
20	QPSK	50	24	19.96	19.94	19.99					
20	QPSK	50	35	19.98	19.98	19.93					
20	QPSK	100	5	19.99	19.95	19.91					
20	QPSK	1	5	17.05	17.07	17.00	18.5	5			
20	QPSK	1	37	17.06	17.16	17.10					
20	QPSK	1	49	16.99	17.15	17.01					
20	QPSK	50	5	16.95	17.10	17.00					
20	QPSK	50	5	16.95	17.04	17.04					
20	QPSK	50	24	17.12	17.13	17.16	18.5	5			
20	QPSK	50	35	16.97	17.01	17.13					
20	QPSK	100	5	17.12	17.13	17.16					
Channel											
Frequency (MHz)				2100	2100	2100	Time-up (min)	MPK (dB)			
15	QPSK	1	5	21.83	21.89	21.81	23.5	0			
15	QPSK	1	37	21.89	21.85	21.79					
15	QPSK	1	74	21.95	21.81	21.99					
15	QPSK	36	36	20.81	20.90	21.83					
15	QPSK	36	36	20.82	20.90	21.82					
15	QPSK	75	5	20.91	20.92	20.94	22.5	1			
15	QPSK	1	5	21.04	21.06	21.11					
15	QPSK	1	37	21.19	21.34	21.38					
15	QPSK	1	74	21.07	21.15	21.17					
15	QPSK	36	5	19.99	19.94	19.95					
15	QPSK	36	36	20.92	20.90	20.92	21.5	2			
15	QPSK	75	5	19.99	19.96	19.96					
15	QPSK	1	37	20.09	20.12	20.14					
15	QPSK	36	5	19.99	19.96	19.96					
15	QPSK	36	36	20.92	20.90	20.92					
15	QPSK	36	36	20.92	20.90	20.92	20.5	3			
15	QPSK	75	5	19.99	19.96	19.96					
15	QPSK	36	36	20.92	20.90	20.92					
15	QPSK	75	5	19.99	19.96	19.96					
15	QPSK	1	37	19.99	19.94	19.90					
15	QPSK	1	37	19.99	19.96	19.90	18.5	5			
15	QPSK	1	74	19.97	19.97	19.95					
15	QPSK	25	5	19.99	19.94	19.90					
15	QPSK	25	14	19.98	19.94	17.05					
15	QPSK	36	36	19.97	19.97	19.99					
15	QPSK	75	5	19.98	19.96	17.02	Time-up (min)	MPK (dB)			
Channel											
Frequency (MHz)				2100	2100	2100					
10	QPSK	1	5	21.86	21.76	21.62	23.5	0			
10	QPSK	1	24	21.72	21.78	21.78					
10	QPSK	1	49	21.89	21.86	21.88					
10	QPSK	25	5	20.92	20.95	21.02					
10	QPSK	25	14	20.99	21.02	20.99					
10	QPSK	25	14	20.99	21.02	20.99	22.5	1			
10	QPSK	25	25	20.93	20.92	20.94					
10	QPSK	25	25	20.96	20.93	20.89					
10	QPSK	1	5	20.99	21.01	21.05					
10	QPSK	1	24	21.29	21.45	21.42					
10	QPSK	1	49	21.11	21.25	21.12	21.5	2			
10	QPSK	25	5	19.99	19.96	19.90					
10	QPSK	25	12	19.98	19.96	19.93					
10	QPSK	25	25	19.99	19.96	19.97					
10	QPSK	25	25	19.99	19.94	19.88					
10	QPSK	50	5	19.94	20.12	19.93	21.5	2			
10	QPSK	1	5	19.97	20.09	19.94					
10	QPSK	1	25	20.11	20.04	20.13					
10	QPSK	1	49	20.15	20.19	19.99					
10	QPSK	25	5	19.99	19.99	19.91					
10	QPSK	25	12	19.99	19.96	19.95	20.5	3			
10	QPSK	25	25	19.99	19.96	19.95					
10	QPSK	50	5	19.99	19.99	19.91					
10	QPSK	1	5	16.97	17.05	17.01					
10	QPSK	1	49	16.99	17.02	16.97					
10	QPSK	25	5	16.99	16.96	16.96	18.5	5			
10	QPSK	25	12	16.99	16.96	16.90					
10	QPSK	25	25	16.97	16.96	16.93					
10	QPSK	1	5	16.99	16.99	16.96					
10	QPSK	1	24	20.99	21.01	20.99					
10	QPSK	12	5	19.96	19.93	19.90	Time-up (min)	MPK (dB)			
10	QPSK	12	7	19.97	19.97	19.94					
10	QPSK	12	13	19.97	19.97	19.94					
10	QPSK	12	13	19.97	19.97	19.94					
10	QPSK	12	13	19.97	19.97	19.94					
5	QPSK	1	5	21.86	21.76	21.73	23.5	0			
5	QPSK	1	12	21.84	21.84	21.79					
5	QPSK	1	24	21.90	21.86	22.00					
5	QPSK	12	5	20.76	20.98	20.93					
5	QPSK	12	7	20.80	20.87	20.86					
5	QPSK	12	13	20.83	20.86	20.86	22.5	1			
5	QPSK	12	13	20.83	20.86	20.86					
5	QPSK	12	13	20.83	20.86	20.86					
5	QPSK	1	5	21.03	21.03	21.14					
5	QPSK	1	12	21.14	21.44	21.39					
5	QPSK	1	24	21.27	21.45	21.42	21.5	2			
5	QPSK	12	5	19.98	19.92	19.93					
5	QPSK	12	7	20.03	20.05	20.09					
5	QPSK	12	13	19.99	19.97	19.94					
5	QPSK	25	5	19.97	19.97	19.94					
5	QPSK	1	5	19.92	19.94	19.96	18.5	5			
5	QPSK	1	12	19.93	19.95	19.94					
5	QPSK	1	24	20.03	20.01	20.00					
5	QPSK	12	5	19.96	19.93	19.90					
5	QPSK	12	7	19.97	19.97	19.94					
5	QPSK	12	13	19.79	19.97	19.98	Time-up (min)	MPK (dB)			
5	QPSK	12	13	19.79	19.97	19.98					
5	QPSK	12	13	19.79	19.97	19.98					
5	QPSK	12	13	19.79	19.97	19.98					
5	QPSK	12	13	19.79	19.97	19.98					
5	QPSK	1	5	16.92	16.94	16.96	18.5	5			
5	QPSK	1	12	16.93	16.95	16.96					
5	QPSK	1	24	16.94	16.94	16.96					
5	QPSK	12	5	16.96	16.93	16.90					
5	QPSK	12	7	16.96	16.96	16.93					
5	QPSK	12	7	16.96	16.96	16.93	Time-up (min)	MPK (dB)			
5	QPSK	12	13	16.96	16.96	16.93					
5	QPSK	12	13	16.96	16.96	16.93					
5	QPSK	12	13	16.96	16.96	16.93					
5	QPSK	12	13	16.96	16.96	16.93					

Band 30_Ant 2										
BS (MHz)	Modulation	PRB Size	PRB Offset	Power (mW) / Power (dBm)	Power (mW) / Power (dBm)	Power (mW) / Power (dBm)	Turn-on time (ms)	APR# (dB)		
Channel				27715						
Frequency (MHz)				27715						
5	QPSK	1	0	22.13						
5	QPSK	1	25	21.83				23	0	
5	QPSK	1	49	21.83						
5	QPSK	25	0	20.88						
5	QPSK	25	12	20.88				22	1	
5	QPSK	25	25	20.88						
5	QPSK	50	0	20.92						
5	16QAM	1	0	21.42						
5	16QAM	1	25	21.42						
5	16QAM	1	49	21.77				22	1	
5	16QAM	25	0	18.86						
5	16QAM	25	12	18.86						
5	16QAM	25	25	21.77				21	2	
5	16QAM	50	0	18.98						
5	16QAM	50	25	21.77						
5	16QAM	1	25	18.70				21	2	
5	16QAM	1	49	20.89						
5	16QAM	25	0	20.89						
5	16QAM	25	12	18.85				20	3	
5	16QAM	25	25	18.10						
5	16QAM	50	0	18.10						
5	256QAM	1	0	15.08						
5	256QAM	1	25	18.89				18	5	
5	256QAM	1	49	18.89						
5	256QAM	25	0	18.95						
5	256QAM	25	12	18.82						
5	256QAM	25	25	21.88				18	5	
5	256QAM	50	0	17.12						
Channel				27685	27715	27735				
Frequency (MHz)				27685	27715	27735				
5	QPSK	1	0	21.99	21.51	22.12				
5	QPSK	1	12	21.80	21.52	21.47				
5	QPSK	1	24	22.44	22.58	22.40			23	0
5	QPSK	12	0	20.88	20.79	20.80				
5	QPSK	12	7	20.89	20.71	20.79				
5	QPSK	12	13	21.00	21.02	21.00			22	1
5	QPSK	25	0	20.89	20.89	20.77				
5	16QAM	1	0	21.30	21.34	21.38				
5	16QAM	1	12	21.26	21.10	21.11				
5	16QAM	1	24	21.88	21.73	21.84			22	1
5	16QAM	12	0	19.78	19.73	19.73				
5	16QAM	12	7	19.85	19.83	19.88				
5	16QAM	12	13	20.75	20.72	20.18			21	2
5	16QAM	25	0	19.80	19.83	19.87				
5	16QAM	1	0	20.43	20.52	20.33				
5	16QAM	1	12	19.89	19.86	19.88			21	2
5	16QAM	1	24	20.88	20.58	20.68				
5	16QAM	12	0	18.70	18.64	18.72				
5	16QAM	12	7	18.75	18.67	18.60				
5	16QAM	12	13	19.04	18.96	19.04			20	3
5	16QAM	25	0	18.88	18.93	18.97				
5	16QAM	25	12	18.87	18.82	18.78				
5	256QAM	1	12	16.76	16.74	16.79			18	5
5	256QAM	1	24	17.13	17.09	17.04				
5	256QAM	12	0	16.81	16.79	16.80				
5	256QAM	12	7	16.79	16.79	16.86				
5	256QAM	12	13	16.82	16.80	16.87			18	5
5	256QAM	25	0	17.17	16.99	17.00				
5	256QAM	25	12	17.17	16.99	17.00				

Band 66_Ant 1									
BW (MHz)	Modulation	FSB BW	FSB Offset	Power (dBm) 130092	Power (dBm) 130932	Power (dBm) 130972	Turn-on time (secs)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	25.45	25.35	25.25			
20	QPSK	1	48	25.42	25.34	25.45			
20	QPSK	50	0	25.45	25.35	25.25		22	
20	QPSK	50	0	25.22	25.24	25.27			
20	QPSK	50	24	15.37	15.34	15.43		21	
20	QPSK	50	24	15.37	15.34	15.43			
20	QPSK	100	0	19.21	19.28	19.40			
20	WQAM	1	0	15.56	15.52	15.67			
20	WQAM	1	48	15.56	15.52	15.67			
20	WQAM	1	50	19.40	19.35	19.55		20	
20	WQAM	50	0	18.26	18.27	18.38			
20	WQAM	50	50	15.52	15.58	15.66			
20	WQAM	50	50	15.27	15.08	15.05		2	
20	WQAM	100	0	18.23	18.10	18.42			
20	WQAM	100	0	18.23	18.26	18.66			
20	WQAM	1	48	18.55	18.37	18.34		20	
20	WQAM	1	50	18.28	18.21	18.53			
20	WQAM	50	24	15.37	15.34	15.43		21	
20	WQAM	50	24	17.25	17.05	17.40			
20	WQAM	50	50	17.22	17.35	17.39			
20	WQAM	50	50	15.52	15.58	15.74			
20	WQAM	1	0	15.12	15.11	15.34			
20	WQAM	1	48	15.28	15.14	15.37		17	
20	WQAM	1	48	15.28	15.14	15.37			
20	WQAM	50	0	15.18	15.14	15.45			
20	WQAM	50	24	15.36	15.15	15.48		17	
20	WQAM	50	24	15.36	15.15	15.48			
20	WQAM	100	0	15.39	15.21	15.38			
Channel									
Frequency (MHz)									
16	QPSK	1	0	26.10	26.08	26.14			
16	QPSK	1	37	26.40	26.27	26.57		22	
16	QPSK	1	74	26.14	26.25	26.18			
16	QPSK	1	74	26.25	26.15	26.19			
16	QPSK	36	20	19.39	19.34	19.38		21	
16	QPSK	36	20	19.01	18.97	19.11			
16	QPSK	36	20	19.12	19.12	19.23			
16	WQAM	1	0	19.37	19.45	19.62			
16	WQAM	1	37	15.52	15.49	15.44		21	
16	WQAM	1	37	15.52	15.49	15.44			
16	WQAM	36	20	18.99	18.98	19.21			
16	WQAM	36	20	18.22	18.01	18.26		2	
16	WQAM	36	20	18.22	18.01	18.26			
16	WQAM	75	0	18.10	18.05	18.26			
16	WQAM	1	0	18.26	18.15	18.61			
16	WQAM	1	37	15.52	15.49	15.44		20	
16	WQAM	1	74	19.27	19.17	19.45			
16	WQAM	36	0	17.14	17.02	17.23			
16	WQAM	36	0	17.14	17.02	17.23			
16	WQAM	36	36	17.19	17.05	17.34		13	
16	WQAM	75	0	17.53	17.03	17.26			
16	WQAM	75	0	17.53	17.03	17.26			
16	WQAM	1	37	15.22	15.07	15.35		17	
16	WQAM	1	74	15.08	15.12	15.21			
16	WQAM	36	20	18.01	18.08	18.26			
16	WQAM	36	20	15.27	15.09	15.28		17	
16	WQAM	75	0	15.24	15.10	15.37			

Band 66_Ant 2									
RF (MHz)	Modulation	HS Size	HS Offset	Power Flt. (dBm)	Power Flt. (dBm)	Power Flt. (dBm)	Turnup rate (dB)	MFR (dB)	
Channel									
Channel Frequency (MHz)									
26	QPSK	16	0	19.072	19.072	19.072	24.51		
26	QPSK	16	88	24.47	24.42	24.52		26	0
26	QPSK	16	176	24.47	24.38	24.52			
26	QPSK	16	264	23.48	23.43	23.53			
26	QPSK	16	352	23.48	23.43	23.53			
26	QPSK	16	440	23.48	23.43	23.53			
26	QPSK	16	528	23.48	23.43	23.53			
26	QPSK	16	616	23.48	23.43	23.53			
26	QPSK	16	704	23.48	23.43	23.53			
26	QPSK	16	792	23.48	23.43	23.53			
26	QPSK	16	880	23.48	23.43	23.53			
26	QPSK	16	968	23.48	23.43	23.53			
26	QPSK	16	1056	23.48	23.43	23.53			
26	QPSK	16	1144	23.48	23.43	23.53			
26	QPSK	16	1232	23.48	23.43	23.53			
26	QPSK	16	1320	23.48	23.43	23.53			
26	QPSK	16	1408	23.48	23.43	23.53			
26	QPSK	16	1496	23.48	23.43	23.53			
26	QPSK	16	1584	23.48	23.43	23.53			
26	QPSK	16	1672	23.48	23.43	23.53			
26	QPSK	16	1760	23.48	23.43	23.53			
26	QPSK	16	1848	23.48	23.43	23.53			
26	QPSK	16	1936	23.48	23.43	23.53			
26	QPSK	16	2024	23.48	23.43	23.53			
26	QPSK	16	2112	23.48	23.43	23.53			
26	QPSK	16	2200	23.48	23.43	23.53			
26	QPSK	16	2288	23.48	23.43	23.53			
26	QPSK	16	2376	23.48	23.43	23.53			
26	QPSK	16	2464	23.48	23.43	23.53			
26	QPSK	16	2552	23.48	23.43	23.53			
26	QPSK	16	2640	23.48	23.43	23.53			
26	QPSK	16	2728	23.48	23.43	23.53			
26	QPSK	16	2816	23.48	23.43	23.53			
26	QPSK	16	2904	23.48	23.43	23.53			
26	QPSK	16	2992	23.48	23.43	23.53			
26	QPSK	16	3080	23.48	23.43	23.53			
26	QPSK	16	3168	23.48	23.43	23.53			
26	QPSK	16	3256	23.48	23.43	23.53			
26	QPSK	16	3344	23.48	23.43	23.53			
26	QPSK	16	3432	23.48	23.43	23.53			
26	QPSK	16	3520	23.48	23.43	23.53			
26	QPSK	16	3608	23.48	23.43	23.53			
26	QPSK	16	3696	23.48	23.43	23.53			
26	QPSK	16	3784	23.48	23.43	23.53			
26	QPSK	16	3872	23.48	23.43	23.53			
26	QPSK	16	3960	23.48	23.43	23.53			
26	QPSK	16	4048	23.48	23.43	23.53			
26	QPSK	16	4136	23.48	23.43	23.53			
26	QPSK	16	4224	23.48	23.43	23.53			
26	QPSK	16	4312	23.48	23.43	23.53			
26	QPSK	16	4400	23.48	23.43	23.53			
26	QPSK	16	4488	23.48	23.43	23.53			
26	QPSK	16	4576	23.48	23.43	23.53			
26	QPSK	16	4664	23.48	23.43	23.53			
26	QPSK	16	4752	23.48	23.43	23.53			
26	QPSK	16	4840	23.48	23.43	23.53			
26	QPSK	16	4928	23.48	23.43	23.53			
26	QPSK	16	5016	23.48	23.43	23.53			
26	QPSK	16	5104	23.48	23.43	23.53			
26	QPSK	16	5192	23.48	23.43	23.53			
26	QPSK	16	5280	23.48	23.43	23.53			
26	QPSK	16	5368	23.48	23.43	23.53			
26	QPSK	16	5456	23.48	23.43	23.53			
26	QPSK	16	5544	23.48	23.43	23.53			
26	QPSK	16	5632	23.48	23.43	23.53			
26	QPSK	16	5720	23.48	23.43	23.53			
26	QPSK	16	5808	23.48	23.43	23.53			
26	QPSK	16	5896	23.48	23.43	23.53			
26	QPSK	16	5984	23.48	23.43	23.53			
26	QPSK	16	6072	23.48	23.43	23.53			
26	QPSK	16	6160	23.48	23.43	23.53			
26	QPSK	16	6248	23.48	23.43	23.53			
26	QPSK	16	6336	23.48	23.43	23.53			
26	QPSK	16	6424	23.48	23.43	23.53			
26	QPSK	16	6512	23.48	23.43	23.53			
26	QPSK	16	6600	23.48	23.43	23.53			
26	QPSK	16	6688	23.48	23.43	23.53			
26	QPSK	16	6776	23.48	23.43	23.53			
26	QPSK	16	6864	23.48	23.43	23.53			
26	QPSK	16	6952	23.48	23.43	23.53			
26	QPSK	16	7040	23.48	23.43	23.53			
26	QPSK	16	7128	23.48	23.43	23.53			
26	QPSK	16	7216	23.48	23.43	23.53			
26	QPSK	16	7304	23.48	23.43	23.53			
26	QPSK	16	7392	23.48	23.43	23.53			
26	QPSK	16	7480	23.48	23.43	23.53			
26	QPSK	16	7568	23.48	23.43	23.53			
26	QPSK	16	7656	23.48	23.43	23.53			
26	QPSK	16	7744	23.48	23.43	23.53			
26	QPSK	16	7832	23.48	23.43	23.53			
26	QPSK	16	7920	23.48	23.43	23.53			
26	QPSK	16	8008	23.48	23.43	23.53			
26	QPSK	16	8096	23.48	23.43	23.53			
26	QPSK	16	8184	23.48	23.43	23.53			
26	QPSK	16	8272	23.48	23.43	23.53			
26	QPSK	16	8360	23.48	23.43	23.53			
26	QPSK	16	8448	23.48	23.43	23.53			
26	QPSK	16	8536	23.48	23.43	23.53			
26	QPSK	16	8624	23.48	23.43	23.53			
26	QPSK	16	8712	23.48	23.43	23.53			
26	QPSK	16	8800	23.48	23.43	23.53			
26	QPSK	16	8888	23.48	23.43	23.53			
26	QPSK	16	8976	23.48	23.43	23.53			
26	QPSK	16	9064	23.48	23.43	23.53			
26	QPSK	16	9152	23.48	23.43	23.53			
26	QPSK	16	9240	23.48	23.43	23.53			
26	QPSK	16	9328	23.48	23.43	23.53			
26	QPSK	16	9416	23.48	23.43	23.53			
26	QPSK	16	9504	23.48	23.43	23.53			
26	QPSK	16	9592	23.48	23.43	23.53			
26	QPSK	16	9680	23.48	23.43	23.53			
26	QPSK	16	9768	23.48	23.43	23.53			
26	QPSK	16	9856	23.48	23.43	23.53			
26	QPSK	16	9944	23.48	23.43	23.53			
26	QPSK	16	10032	23.48	23.43	23.53			
26	QPSK	16	10120	23.48	23.43	23.53			
26	QPSK	16	10208	23.48	23.43	23.53			
26	QPSK	16	10296	23.48	23.43	23.53			
26	QPSK	16	10384	23.48	23.43	23.53			
26	QPSK	16	10472	23.48	23.43	23.53			
26	QPSK	16	10560	23.48	23.43	23.53			
26	QPSK	16	10648	23.48	23.43	23.53			
26	QPSK	16	10736	23.48	23.43	23.53			
26	QPSK	16	10824	23.48	23.43	23.53			
26	QPSK	16	10912	23.48	23.43	23.53			
26	QPSK	16	11000	23.48	23.43	23.53			
26	QPSK	16	11088	23.48	23.43	23.53			
26	QPSK	16	11176	23.48	23.43	23.53			
26	QPSK	16	11264	23.48	23.43	23.53			
26	QPSK	16	11352	23.48	23.43	23.53			
26	QPSK	16	11440	23.48	23.43	23.53			
26	QPSK	16	11528	23.48	23.43	23.53			
26	QPSK	16	11616	23.48	23.43	23.53			
26	QPSK	16	11704	23.48	23.43	23.53			
26	QPSK	16	11792	23.48	23.43	23.53			
26	QPSK	16	11880	23.48	23.43	23.53			
26	QPSK	16	11968	23.48	23.43	23.53			
26	QPSK	16	12056	23.48	23.43	23.53			
26	QPSK	16	12144	23.48	23.43	23.53			
26	QPSK	16	12232	23.48	23.43	23.53			
26	QPSK	16	12320	23.48	23.43	23.53			
26	QPSK	16	12408	23.48	23.43	23.53			
26	QPSK	16	12496	23.48	23.43	23.53			
26	QPSK	16	12584	23.48	23.43	23.53			
26	QPSK	16	12672	23.48	23.43	23.53			
26	QPSK	16	12760	23.48	23.43	23.53			
26	QPSK	16	12848	23.48	23.43	23.53			
26	QPSK	16	12936	23.48	23.43	23.53			
26	QPSK	16	13024	23.48	23.43	23.53			
26	QPSK	16	13112	23.48	23.43	23.53			
26	QPSK	16	13200	23.48	23.43	23.53			
26	QPSK	16	13288	23.48	23.43	23.53			
26	QPSK	16	13376	23.48	23.43	23.53			
26	QPSK	16	13464	23.48	23.43	23.53			
26	QPSK	16	13552	23.48	23.43	23.53			
26	QPSK	16	13640	23.48	23.43	23.53			
26	QPSK	16	13728	23.48	23.43	23.53			
26	QPSK	16	13816	23.48	23.43	23.53			
26	QPSK	1							

Band 66_Ant 11									
(W/M)	Modulation	RB Size	RB Offset	Power Mhz Ch. Freq.	Power Mhz Ch. Freq.	Power Mhz Ch. Freq.	Turn-on time	Height (m)	
Channel: Frequency (MHz)									
26	QPSK	1	0	15.27	13.932	13.932			
26	QPSK	1	48	25.75	25.75	22.67		24.5	0
26	QPSK	1	96	25.75	25.75	22.67			
26	QPSK	80	0	21.77	21.77	21.75			
26	QPSK	80	24	21.75	21.75	21.83		23.5	1
26	QPSK	80	48	21.75	21.75	21.83			
26	QPSK	100	0	21.74	21.77	21.77			
26	16QAM	1	0	21.86	22.21	22.21			
26	16QAM	1	48	22.21	22.21	22.26		23.5	1
26	16QAM	1	96	22.21	22.21	22.26			
26	16QAM	80	0	20.85	20.84	20.85			
26	16QAM	80	24	20.84	20.84	20.85		22.5	2
26	16QAM	80	48	20.85	20.84	20.85			
26	16QAM	100	0	20.72	20.75	20.75			
26	16QAM	100	24	20.77	20.80	20.80			
26	16QAM	100	48	20.77	20.80	20.80			
26	8QAM	1	48	21.17	21.39	21.37		22.5	2
26	8QAM	1	96	20.90	20.90	20.93			
26	8QAM	80	0	19.91	19.91	19.93		21.5	3
26	8QAM	80	24	19.91	19.91	19.93			
26	8QAM	80	48	19.85	19.86	19.88			
26	8QAM	100	0	19.86	19.86	19.88			
26	8QAM	100	24	19.86	19.86	19.88			
26	8QAM	100	48	17.74	17.78	17.69			
26	25QAM	1	48	17.77	17.88	17.87		19.5	5
26	25QAM	1	96	17.88	17.88	17.82			
26	25QAM	80	0	17.85	17.77	17.81			
26	25QAM	80	24	17.78	17.78	17.72		19.5	5
26	25QAM	80	48	17.82	17.82	17.76			
26	25QAM	100	0	17.85	17.75	17.87			
Channel: Frequency (MHz)									
26	QPSK	1	0	22.66	22.66	22.66			
26	QPSK	1	48	22.71	22.75	22.68		24.5	0
26	QPSK	1	96	22.71	22.75	22.73			
26	QPSK	80	0	21.83	21.83	21.84			
26	QPSK	80	24	21.78	21.80	21.82		23.5	1
26	QPSK	80	48	21.73	21.76	21.80			
26	QPSK	100	0	21.80	21.80	21.80		23.5	1
26	16QAM	1	0	22.62	22.65	22.65			
26	16QAM	1	48	22.62	22.65	22.77		23.5	1
26	16QAM	1	96	22.67	22.67	22.69			
26	16QAM	80	0	20.79	20.84	20.85		22.5	2
26	16QAM	80	24	20.81	20.83	20.83			
26	16QAM	80	48	20.81	20.83	20.84			
26	16QAM	100	0	20.79	20.79	20.80			
26	8QAM	1	48	21.90	20.90	21.04		22.5	2
26	8QAM	1	96	21.04	21.04	21.04			
26	8QAM	80	0	20.94	20.94	20.94		21.5	3
26	8QAM	80	24	20.88	20.88	20.91			
26	8QAM	80	48	20.88	20.88	20.90			
26	8QAM	100	0	20.87	20.88	20.91			
26	8QAM	100	24	20.88	20.88	20.91			
26	8QAM	100	48	17.87	17.88	17.69			
26	25QAM	1	48	17.73	18.05	17.88			
26	25QAM	1	96	17.87	17.87	17.77			
26	25QAM	80	0	17.77	17.74	17.77		19.5	5
26	25QAM	80	24	17.77	17.74	17.73			
26	25QAM	80	48	17.88	17.73	17.77			

[illegible][illegible]

Frequency (Hz)		1115	1474	1775		
10	QPSK	1	20	27.8	22.8	22.8
10	QPSK	2	20	27.8	22.8	22.8
10	QPSK	4	20	27.8	22.8	22.8
10	QPSK	8	20	27.8	22.8	22.8
10	QPSK	16	20	27.8	22.8	22.8
10	QPSK	32	20	27.8	22.8	22.8
10	QPSK	64	20	27.8	22.8	22.8
10	QPSK	128	20	27.8	22.8	22.8
10	QPSK	256	20	27.8	22.8	22.8
10	QPSK	512	20	27.8	22.8	22.8
10	QPSK	1024	20	27.8	22.8	22.8
10	QPSK	2048	20	27.8	22.8	22.8
10	QPSK	4096	20	27.8	22.8	22.8
10	QPSK	8192	20	27.8	22.8	22.8
10	QPSK	16384	20	27.8	22.8	22.8
10	QPSK	32768	20	27.8	22.8	22.8
10	QPSK	65536	20	27.8	22.8	22.8
10	QPSK	131072	20	27.8	22.8	22.8
10	QPSK	262144	20	27.8	22.8	22.8
10	QPSK	524288	20	27.8	22.8	22.8
10	QPSK	1048576	20	27.8	22.8	22.8
10	QPSK	2097152	20	27.8	22.8	22.8
10	QPSK	4194304	20	27.8	22.8	22.8
10	QPSK	8388608	20	27.8	22.8	22.8
10	QPSK	16777216	20	27.8	22.8	22.8
10	QPSK	33554432	20	27.8	22.8	22.8
10	QPSK	67108864	20	27.8	22.8	22.8
10	QPSK	134217728	20	27.8	22.8	22.8
10	QPSK	268435456	20	27.8	22.8	22.8
10	QPSK	536870912	20	27.8	22.8	22.8
10	QPSK	1073741824	20	27.8	22.8	22.8
10	QPSK	2147483648	20	27.8	22.8	22.8
10	QPSK	4294967296	20	27.8	22.8	22.8
10	QPSK	8589934592	20	27.8	22.8	22.8
10	QPSK	17179869184	20	27.8	22.8	22.8
10	QPSK	34359738368	20	27.8	22.8	22.8
10	QPSK	68719476736	20	27.8	22.8	22.8
10	QPSK	137438953472	20	27.8	22.8	22.8
10	QPSK	274877906944	20	27.8	22.8	22.8
10	QPSK	549755813888	20	27.8	22.8	22.8
10	QPSK	1099511627776	20	27.8	22.8	22.8
10	QPSK	2199023255552	20	27.8	22.8	22.8
10	QPSK	4398046511104	20	27.8	22.8	22.8
10	QPSK	8796093022208	20	27.8	22.8	22.8
10	QPSK	17592186044416	20	27.8	22.8	22.8
10	QPSK	35184372088832	20	27.8	22.8	22.8
10	QPSK	70368744177664	20	27.8	22.8	22.8
10	QPSK	140737488355328	20	27.8	22.8	22.8
10	QPSK	281474976710656	20	27.8	22.8	22.8
10	QPSK	562949953421312	20	27.8	22.8	22.8
10	QPSK	1125899906842624	20	27.8	22.8	22.8
10	QPSK	2251799813685248	20	27.8	22.8	22.8
10	QPSK	4503599627370496	20	27.8	22.8	22.8
10	QPSK	9007199254740992	20	27.8	22.8	22.8
10	QPSK	18014398509481984	20	27.8	22.8	22.8
10	QPSK	36028797018963968	20	27.8	22.8	22.8
10	QPSK	72057594037927936	20	27.8	22.8	22.8
10	QPSK	144115188075855872	20	27.8	22.8	22.8
10	QPSK	288230376151711744	20	27.8	22.8	22.8
10	QPSK	576460752303423488	20	27.8	22.8	22.8
10	QPSK	1152921504606846976	20	27.8	22.8	22.8
10	QPSK	2305843009213693952	20	27.8	22.8	22.8
10	QPSK	4611686018427387904	20	27.8	22.8	22.8
10	QPSK	9223372036854775808	20	27.8	22.8	22.8
10	QPSK	18446744073709551616	20	27.8	22.8	22.8
10	QPSK	36893488147419103232	20	27.8	22.8	22.8
10	QPSK	73786976294838206464	20	27.8	22.8	22.8
10	QPSK	147573952589676412928	20	27.8	22.8	22.8
10	QPSK	295147905179352825856	20	27.8	22.8	22.8
10	QPSK	590295810358705651712	20	27.8	22.8	22.8
10	QPSK	1180591620717411303424	20	27.8	22.8	22.8
10	QPSK	2361183241434822606848	20	27.8	22.8	22.8
10	QPSK	4722366482869645213696	20	27.8	22.8	22.8
10	QPSK	9444732965739290427392	20	27.8	22.8	22.8
10	QPSK	18889465931478580854784	20	27.8	22.8	22.8
10	QPSK	37778931862957161709568	20	27.8	22.8	22.8
10	QPSK	75557863725914323419136	20	27.8	22.8	22.8
10	QPSK	151115727451828646838272	20	27.8	22.8	22.8
10	QPSK	302231454903657293676544	20	27.8	22.8	22.8
10	QPSK	604462909807314587353088	20	27.8	22.8	22.8
10	QPSK	1208925819614629174706176	20	27.8	22.8	22.8
10	QPSK	2417851639229258349412352	20	27.8	22.8	22.8
10	QPSK	4835703278458516698824704	20	27.8	22.8	22.8
10	QPSK	9671406556917033397649408	20	27.8	22.8	22.8
10	QPSK	19342813113834066795298816	20	27.8	22.8	22.8
10	QPSK	38685626227668133590597632	20	27.8	22.8	22.8
10	QPSK	77371252455336267181195264	20	27.8	22.8	22.8
10	QPSK	154742504910672534362390528	20	27.8	22.8	22.8
10	QPSK	309485009821345068724781056	20	27.8	22.8	22.8
10	QPSK	618970019642690137449562112	20	27.8	22.8	22.8
10	QPSK	1237940039285380274899124224	20	27.8	22.8	22.8
10	QPSK	2475880078570760549798248448	20	27.8	22.8	22.8
10	QPSK	4951760157141521099596496896	20	27.8	22.8	22.8
10	QPSK	9903520314283042199192993792	20	27.8	22.8	22.8
10	QPSK	19807040628566084398385987584	20	27.8	22.8	22.8
10	QPSK	39614081257132168796771975168	20	27.8	22.8	22.8
10	QPSK	79228162514264337593543950336	20	27.8	22.8	22.8
10	QPSK	158456325028528675187087900672	20	27.8	22.8	22.8
10	QPSK	316912650057057350374175801344	20	27.8	22.8	22.8
10	QPSK	633825300114114700748351602688	20	27.8	22.8	22.8
10	QPSK	1267650600228229401496703205376	20	27.8	22.8	22.8
10	QPSK	2535301200456458802993406410752	20	27.8	22.8	22.8
10	QPSK	5070602400912917605986812821504	20	27.8	22.8	22.8
10	QPSK	10141204801825835211973625643008	20	27.8	22.8	22.8
10	QPSK	20282409603651670423947251286016	20	27.8	22.8	22.8
10	QPSK	40564819207303340847894502572032	20	27.8	22.8	22.8
10	QPSK	81129638414606681695789005144064	20	27.8	22.8	22.8
10	QPSK	162259276829213363391578010288128	20	27.8	22.8	22.8
10	QPSK	324518553658426726783156020576256	20	27.8	22.8	22.8
10	QPSK	649037107316853453566312041152512	20	27.8	22.8	22.8
10	QPSK	1298074214633706907132624082305024	20	27.8	22.8	22.8
10	QPSK	2596148429267413814265248164610048	20	27.8	22.8	22.8
10	QPSK	5192296858534827628530496329220096	20	27.8	22.8	22.8
10	QPSK	10384593717069655257060992658440192	20	27.8	22.8	22.8
10	QPSK	20769187434139310514121985316880384	20	27.8	22.8	22.8
10	QPSK	41538374868278621028243970633760768	20	27.8	22.8	22.8
10	QPSK	83076749736557242056487941267521536	20	27.8	22.8	22.8
10	QPSK	166153499473114484112975882535043072	20	27.8	22.8	22.8
10	QPSK	332306998946228968225951765070086144	20	27.8	22.8	22.8
10	QPSK	664613997892457936451903530140172288	20	27.8	22.8	22.8
10	QPSK	1329227995784915872903807060280344576	20	27.8	22.8	22.8
10	QPSK	2658455991569831745807614120560689152	20	27.8	22.8	22.8
10	QPSK	5316911983139663491615228241121378304	20	27.8	22.8	22.8
10	QPSK	10633823966279326983230456482242756608	20	27.8	22.8	22.8
10	QPSK	21267647932558653966460912964485513216	20	27.8	22.8	22.8
10	QPSK	42535295865117307932921825928971026432	20	27.8	22.8	22.8
10	QPSK	85070591730234615865843651857942052864	20	27.8	22.8	22.8
10	QPSK	170141183460469231731687303715884105728	20	27.8	22.8	22.8
10	QPSK	340282366920938463463374607431768211456	20	27.8	22.8	22.8
10	QPSK	680564733841876926926749214863536422912	20	27.8	22.8	22.8
10	QPSK	1361129467683753853853498429727072845824	20	27.8	22.8	22.8
10	QPSK	2722258935367507707706996859454145691648	20	27.8	22.8	22.8
10	QPSK	5444517870735015415413993718908291383296	20	27.8	22.8	22.8
10	QPSK	10889035741470030830827987437816582766592	20	27.8	22.8	22.8
10	QPSK	21778071482940061661655974875633165533184	20	27.8	22.8	22.8
10	QPSK	43556142965880123323311949751266331066368	20	27.8	22.8	22.8
10	QPSK	87112285931760246646623899502532662132736	20	27.8	22.8	22.8
10	QPSK	174224571863520493293247799005065324265472	20	27.8	22.8	22.8
10	QPSK	348449143727040986586495598010130648530944	20	27.8	22.8	22.8
10	QPSK	696898287454081973172991196020261291061888	20	27.8	22.8	22.8
10	QPSK	1393796574908163946345982392040522582123776	20	27.8	22.8	22.8
10	QPSK	2787593149816327892691964784081045164247552	20	27.8	22.8	22.8
10	QPSK	5575186299632655785383929568162090328495104	20	27.8	22.8	22.8
10	QPSK	11150372599265311570767859136324180656990208	20	27.8	22.8	22.8
10	QPSK	22300745198530623141535718272648361313980416	20	27.8	22.8	22.8
10	QPSK	4460149039706124628307143644517672262796032	20	27.8	22.8	22.8
10	QPSK	8920298079412249256614287289035344525592064	20	27.8	22.8	22.8
10	QPSK	17840596158824498513228574578070689051184128	20	27.8	22.8	22.8
10	QPSK	35681192317648997026457149156141378102368256	20	27.8	22.8	22.8
10	QPSK	71362384635297994052914298312282756204736512	20	27.8	22.8	22.8
10	QPSK	142724769270595988105828596624565512409473024	20	27.8	22.8	22.8
10	QPSK	285449538541191976211657193249131024818946048	20	27.8	22.8	

	Frequency	1717.5	1745	1770.5	Imp. factor	
3	DP3K - 1	0	25.27	20.18	20.36	21
3	DP3K - 1	1	25.27	20.18	20.36	
3	DP3K - 1	14	20.22	20.11	20.27	
3	DP3K - 8	0	19.04	18.93	19.03	21
3	DP3K - 8	1	19.04	18.93	19.03	
3	DP3K - 8	7	19.06	18.98	19.24	
3	DP3K - 15	0	18.96	18.11	19.23	21
3	DP3K - 15	1	18.96	18.11	19.23	
3	DP3K - 15	14	18.96	18.11	19.23	
3	DP3K - 1	0	19.46	19.55	19.67	21
3	DP3K - 1	1	19.46	19.55	19.67	
3	DP3K - 1	14	19.46	19.55	19.67	
3	DP3K - 8	0	18.92	18.92	18.92	20
3	DP3K - 8	1	18.99	18.93	18.92	
3	DP3K - 8	4	18.99	18.93	18.92	
3	DP3K - 15	0	18.99	18.93	18.92	20
3	DP3K - 15	0	18.99	18.93	18.92	
3	DP3K - 15	0	18.23	18.11	18.62	
3	DP3K - 15	1	18.23	18.11	18.62	20
3	DP3K - 15	14	18.15	18.08	18.30	
3	DP3K - 8	0	17.13	17.09	17.28	
3	DP3K - 8	1	17.13	17.09	17.28	
3	DP3K - 8	7	17.02	17.07	17.32	
3	DP3K - 15	0	17.02	17.07	17.32	19
3	DP3K - 15	0	17.02	17.07	17.32	
3	DP3K - 15	0	16.11	16.11	16.11	
3	DP3K - 1	0	15.76	15.11	15.24	17
3	DP3K - 1	1	15.76	15.11	15.24	
3	DP3K - 1	14	15.76	15.11	15.24	
3	DP3K - 8	0	15.00	15.08	15.46	17
3	DP3K - 8	1	15.32	15.09	15.45	
3	DP3K - 8	4	15.32	15.09	15.45	
3	DP3K - 15	0	15.00	15.08	15.46	17
3	DP3K - 15	0	15.00	15.08	15.46	
3	DP3K - 15	0	15.16	15.05	15.31	
Chemical						
Frequency (MHz)						
14	DP3K - 1	0	20.31	20.33	20.32	22
14	DP3K - 1	1	20.34	20.33	20.32	
14	DP3K - 1	14	20.18	20.19	20.19	
14	DP3K - 8	0	20.18	20.18	20.17	22
14	DP3K - 8	1	20.18	20.18	20.17	
14	DP3K - 8	7	20.23	20.07	20.19	
14	DP3K - 15	0	20.07	20.07	20.07	21
14	DP3K - 15	0	20.07	20.07	20.07	
14	DP3K - 15	0	19.17	19.21	19.34	
14	DP3K - 1	0	19.36	19.00	19.53	21
14	DP3K - 1	1	19.42	18.97	19.53	
14	DP3K - 1	5	19.32	19.19	19.39	
14	DP3K - 8	0	19.30	19.34	19.34	21
14	DP3K - 8	1	19.22	19.48	19.47	
14	DP3K - 8	3	19.15	19.14	19.45	
14	DP3K - 15	0	19.15	19.07	19.36	20
14	DP3K - 15	0	19.28	19.08	19.36	
14	DP3K - 15	1	19.33	18.24	19.34	
14	DP3K - 1	0	18.94	18.94	18.94	20
14	DP3K - 1	1	18.96	18.94	18.94	
14	DP3K - 1	14	18.96	18.94	18.94	
14	DP3K - 8	0	18.94	18.93	18.94	20
14	DP3K - 8	1	18.94	18.93	18.94	
14	DP3K - 8	3	19.10	19.13	19.46	
14	DP3K - 15	0	17.22	17.12	17.27	19
14	DP3K - 15	0	17.22	17.12	17.27	
14	DP3K - 15	0	17.22	17.12	17.27	
14	DP3K - 1	0	15.74	15.30	15.30	17
14	DP3K - 1	1	15.74	15.30	15.30	
14	DP3K - 1	14	15.74	15.30	15.30	

[illegible]

Frequency (Hz)		7911.5	7944	7976.5		
1	QPSK 1	22.86	22.87	22.88	24.5	0
1	QPSK 1	22.86	22.87	22.88		
1	QPSK 1	22.86	22.87	22.88		
1	QPSK 8	21.72	21.73	21.74		
1	QPSK 8	21.72	21.73	21.74	23.5	1
1	QPSK 8	21.72	21.73	21.74		
1	QPSK 15	21.76	21.76	21.81		
1	16QAM 1	22.13	22.13	22.13		
1	16QAM 1	22.13	22.14	22.23	23.5	
1	16QAM 1	22.14	22.24	22.21		
1	16QAM 1	22.14	22.24	22.21		
1	16QAM 8	20.58	20.58	20.58		
1	16QAM 8	20.58	20.58	20.58	22.5	2
1	16QAM 8	20.58	20.58	20.58		
1	16QAM 15	20.61	20.64	20.58		
1	8QAM 1	22.92	22.92	21.15		
1	8QAM 1	22.92	22.92	21.15	22.5	2
1	8QAM 1	22.92	22.92	21.15		
1	8QAM 1	22.92	22.92	21.15		
1	8QAM 8	19.82	19.82	19.97	21.5	3
1	8QAM 8	19.82	19.82	19.97		
1	8QAM 8	19.82	19.82	19.97		
1	8QAM 15	19.82	19.82	19.97		
1	8QAM 15	19.82	19.82	19.97	19.5	5
1	8QAM 15	19.82	19.82	19.97		
1	8QAM 8	17.84	17.82	17.74		
1	8QAM 8	17.83	17.82	17.73	19.5	5
1	8QAM 8	17.83	17.82	17.73		
1	8QAM 15	17.83	17.82	17.73		
1	8QAM 15	17.83	17.82	17.73		
Channel						
		19.179	19.222	19.246	19.166	19.166
		19.179	19.222	19.246	19.166	19.166
1.4	QPSK 1	22.30	22.30	22.27	24.5	0
1.4	QPSK 1	22.31	22.32	22.70		
1.4	QPSK 1	22.31	22.32	22.70		
1.4	QPSK 3	22.63	22.63	22.77		
1.4	QPSK 3	22.63	22.63	22.77		
1.4	QPSK 3	22.63	22.63	22.77		
1.4	QPSK 8	21.76	21.76	21.76	23.5	1
1.4	QPSK 8	21.76	21.76	21.76		
1.4	QPSK 8	21.76	21.76	21.76		
1.4	QPSK 15	21.84	21.86	21.81	23.5	1
1.4	QPSK 15	22.06	22.05	22.13		
1.4	QPSK 15	22.05	22.05	22.13		
1.4	16QAM 1	22.30	22.30	22.14	23.5	1
1.4	16QAM 1	22.31	22.31	22.14		
1.4	16QAM 1	22.31	22.31	22.14		
1.4	16QAM 8	21.79	21.79	21.97		
1.4	16QAM 8	21.79	21.82	21.97	23.5	2
1.4	16QAM 8	21.79	21.82	21.97		
1.4	16QAM 15	20.62	20.60	20.58		
1.4	8QAM 1	22.30	22.30	21.78		
1.4	8QAM 1	22.30	22.30	21.78	22.5	3
1.4	8QAM 1	22.30	22.30	21.78		
1.4	8QAM 8	20.78	20.78	20.92		
1.4	8QAM 8	20.78	20.78	20.92		



Band 38_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)			
Channel				37850	38000	38150					
Frequency (MHz)				21.77	21.79	21.88					
20	QPSK	1	0	21.77	21.79	21.88	23	0			
20	QPSK	1	49	21.93	21.95	21.99					
20	QPSK	1	99	21.85	21.82	21.96					
20	QPSK	50	0	20.80	20.81	20.97					
20	QPSK	50	24	20.84	20.82	21.00					
20	QPSK	50	50	20.90	20.87	20.97	22	1			
20	QPSK	100	0	20.91	20.92	20.97					
20	16QAM	1	0	21.16	20.93	21.77					
20	16QAM	1	49	20.87	21.01	21.77					
20	16QAM	1	99	21.22	21.42	20.96					
20	16QAM	50	0	16.86	16.84	16.92	21	2			
20	16QAM	50	24	16.91	16.95	20.09					
20	16QAM	50	50	16.87	20.01	20.12					
20	16QAM	100	0	16.92	16.99	20.02					
20	64QAM	1	0	20.27	20.19	20.08					
20	64QAM	1	49	20.15	20.34	20.23	21	2			
20	64QAM	1	99	20.11	16.84	20.25					
20	64QAM	50	0	16.83	16.84	16.95					
20	64QAM	50	24	16.95	16.09	16.99					
20	64QAM	50	50	16.86	16.93	16.92					
20	64QAM	100	0	16.83	16.90	16.92	20	3			
20	256QAM	1	0	16.76	16.78	17.02					
20	256QAM	1	49	16.86	17.06	16.98					
20	256QAM	1	99	16.85	17.12	17.02					
20	256QAM	50	0	16.83	17.02	16.99					
20	256QAM	50	24	16.88	16.99	16.91	18	5			
20	256QAM	50	50	16.80	17.06	17.11					
20	256QAM	100	0	16.84	16.82	16.87					
Channel				37825	38000	38175					
Frequency (MHz)				21.77	21.81	21.70					
15	QPSK	1	0	21.57	21.61	21.70	23	0			
15	QPSK	1	37	21.88	21.81	21.88					
15	QPSK	1	74	21.76	21.92	21.95					
15	QPSK	36	0	20.78	20.80	20.93					
15	QPSK	36	20	20.89	20.83	20.93					
15	QPSK	36	39	20.74	20.86	20.80	22	1			
15	QPSK	75	0	20.77	20.75	20.96					
15	16QAM	1	0	21.12	20.99	21.02					
15	16QAM	1	37	20.67	21.58	21.03					
15	16QAM	1	74	21.02	21.36	20.88					
15	16QAM	36	0	16.93	16.91	16.97	21	2			
15	16QAM	36	20	16.97	16.86	16.93					
15	16QAM	36	39	16.99	16.99	16.83					
15	16QAM	75	0	16.83	16.83	16.85					
15	64QAM	1	0	20.13	20.07	20.03					
15	64QAM	1	37	20.07	20.22	20.22	21	2			
15	64QAM	1	74	20.05	16.78	20.13					
15	64QAM	36	0	16.77	16.78	16.92					
15	64QAM	36	20	16.91	16.84	16.87					
15	64QAM	36	39	16.84	16.84	16.92					
15	64QAM	75	0	16.93	16.90	16.90	20	3			
15	256QAM	1	0	16.73	16.75	16.85					
15	256QAM	1	37	16.76	17.05	16.83					
15	256QAM	1	74	16.66	17.03	16.94					
15	256QAM	36	0	16.71	16.87	16.84					
15	256QAM	36	20	16.78	16.97	16.93	18	5			
15	256QAM	36	39	16.67	16.91	17.02					
15	256QAM	75	0	16.68	16.73	16.77					
Channel				2575	2595	2615					
Frequency (MHz)				21.58	21.72	21.82					
10	QPSK	1	0	21.58	21.72	21.82	23	0			
10	QPSK	1	25	21.83	21.92	21.96					
10	QPSK	1	49	21.78	21.95	21.78					
10	QPSK	25	0	20.73	20.63	20.86					
10	QPSK	25	12	20.91	20.86	20.95					
10	QPSK	25	25	20.89	20.70	20.87	22	1			
10	QPSK	50	0	20.90	20.88	20.84					
10	16QAM	1	0	21.05	20.93	21.06					
10	16QAM	1	25	20.71	21.42	20.94					
10	16QAM	1	49	21.07	21.33	20.79					
10	16QAM	25	0	16.85	16.92	16.96	21	2			
10	16QAM	25	12	16.81	16.75	16.90					
10	16QAM	25	25	16.77	20.01	20.10					
10	16QAM	50	0	16.73	16.88	20.02					
10	16QAM	50	25	16.16	16.16	16.96					
10	64QAM	1	25	19.97	20.26	20.12	21	2			
10	64QAM	1	49	19.99	19.81	20.17					
10	64QAM	25	0	16.77	16.78	16.83					
10	64QAM	25	12	16.86	16.86	16.86					
10	64QAM	25	25	16.75	16.84	16.91					
10	64QAM	50	0	16.89	16.81	16.89	18	5			
10	256QAM	1	0	16.71	16.68	16.82					
10	256QAM	1	25	16.73	17.00	16.97					
10	256QAM	1	49	16.76	16.97	16.96					
10	256QAM	25	0	16.73	16.92	16.88					
10	256QAM	25	12	16.88	16.84	16.86	18	5			
10	256QAM	25	25	16.76	16.92	16.87					
10	256QAM	50	0	16.71	16.76	16.82					
Channel				37775	38000	38225					
Frequency (MHz)				2572.5	2595	2617.5					
5	QPSK	1	0	21.60	21.68	21.78	23	0			
5	QPSK	1	12	21.78	21.92	21.89					
5	QPSK	1	24	21.80	21.67	21.94					
5	QPSK	12	0	20.68	20.68	20.79					
5	QPSK	12	7	20.90	20.74	20.87					
5	QPSK	12	13	20.84	20.60	20.91	22	1			
5	QPSK	25	0	20.74	20.77	20.94					
5	16QAM	1	0	21.04	20.91	21.58					
5	16QAM	1	12	20.72	21.57	21.04					
5	16QAM	1	24	21.16	21.39	20.93					
5	16QAM	12	0	16.46	16.80	16.94	21	2			
5	16QAM	12	7	16.91	16.84	20.05					
5	16QAM	12	13	16.85	16.99	16.99					
5	16QAM	25	0	16.86	16.98	16.94					
5	64QAM	1	0	20.26	20.19	20.05					
5	64QAM	1	12	20.07	20.34	20.20	21	2			
5	64QAM	1	24	20.07	16.75	20.07					
5	64QAM	12	0	16.79	16.87	16.86					
5	64QAM	12	7	16.82	16.91	16.94					
5	64QAM	12	13	16.76	16.85	16.90					
5	64QAM	25	0	16.73	16.82	16.73	20	3			
5	256QAM	1	0	16.69	16.77	16.96					
5	256QAM	1	12	16.82	16.92	16.98					
5	256QAM	1	24	16.80	16.93	16.93					
5	256QAM	12	0	16.83	16.84	16.92					
5	256QAM	12	7	16.89	16.79	16.81	18	5			
5	256QAM	12	13	16.76	17.03	17.10					
5	256QAM	25	0	16.84	16.69	16.70					

Band 38_Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel				37650	38000	38150						
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	21.74	21.74	21.74	23	0				
20	QPSK	1	49	21.88	22.04	22.07						
20	QPSK	1	99	21.97	21.82	22.00						
20	QPSK	50	0	20.73	20.88	21.01						
20	QPSK	50	24	20.76	21.11	21.04						
20	QPSK	50	50	20.84	20.96	20.96	22	1				
20	QPSK	100	0	20.79	20.99	21.01						
20	16QAM	1	0	20.65	20.53	20.71	22	1				
20	16QAM	1	49	20.83	20.99	21.23						
20	16QAM	1	99	20.72	21.16	21.01						
20	16QAM	50	0	19.77	19.89	19.87						
20	16QAM	50	24	19.94	19.82	20.03						
20	16QAM	50	50	19.89	19.99	19.86	21	2				
20	16QAM	100	0	19.83	19.85	19.85						
20	16QAM	1	0	19.84	19.85	20.13						
20	16QAM	1	49	19.94	20.10	19.92						
20	16QAM	1	99	19.87	19.99	19.68						
20	16QAM	50	0	18.78	18.93	18.92	20	3				
20	16QAM	50	24	18.90	19.02	18.93						
20	16QAM	50	50	18.80	19.03	18.94						
20	16QAM	100	0	18.86	18.93	18.89						
20	16QAM	1	0	16.77	17.03	16.90						
20	256QAM	1	49	16.88	17.05	16.90	18	5				
20	256QAM	1	99	16.80	17.04	17.04						
20	256QAM	50	0	16.75	16.95	16.89						
20	256QAM	50	24	16.81	16.92	17.00						
20	256QAM	50	50	16.72	16.94	16.89						
20	256QAM	100	0	16.80	17.02	16.80						
Channel				37625	38000	38175	Turn-up limit (dBm)	MPR (dB)				
Frequency (MHz)				21.77 <th>21.85<th>21.13<th></th><th></th><th></th></th></th>	21.85 <th>21.13<th></th><th></th><th></th></th>	21.13 <th></th> <th></th> <th></th>						
15	QPSK	1	0	21.73	21.67	21.78	23	0				
15	QPSK	1	37	21.79	22.04	22.24						
15	QPSK	1	74	21.90	21.74	21.97						
15	QPSK	36	0	20.67	20.79	20.84						
15	QPSK	36	20	20.76	21.01	20.99						
15	QPSK	36	39	20.89	20.87	20.99	22	1				
15	QPSK	75	0	20.68	20.95	20.98	22	1				
15	QPSK	75	0	20.80	20.50	20.54						
15	16QAM	1	37	20.69	20.94	21.21						
15	16QAM	1	74	20.55	21.11	20.85						
15	16QAM	36	0	19.67	19.69	19.84						
15	16QAM	36	20	19.67	19.87	20.00	21	2				
15	16QAM	36	39	19.87	19.82	19.66						
15	16QAM	75	0	19.73	19.73	19.89						
15	16QAM	1	0	19.46	19.78	19.99						
15	16QAM	1	37	19.82	19.96	19.79						
15	16QAM	1	74	19.68	19.73	19.65	21	2				
15	16QAM	36	0	18.63	18.77	18.74						
15	16QAM	36	20	18.77	18.98	18.75						
15	16QAM	36	39	18.77	18.87	18.88						
15	16QAM	75	0	18.63	18.86	18.81						
15	256QAM	1	0	16.72	16.97	16.69	18	5				
15	256QAM	1	37	16.76	16.98	16.87						
15	256QAM	1	74	16.67	16.95	17.03						
15	256QAM	36	0	16.75	16.93	16.84						
15	256QAM	36	20	16.77	16.91	16.91						
15	256QAM	36	39	16.68	16.79	16.89	18	5				
15	256QAM	75	0	16.74	16.87	16.75						
Channel				37620	38000	38225				Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25.75	25.95	26.15						
10	QPSK	1	0	21.63	21.72	21.77				23	0	
10	QPSK	1	25	21.85	21.99	21.91						
10	QPSK	1	49	21.85	21.76	21.80						
10	QPSK	25	0	20.60	20.72	20.92						
10	QPSK	25	12	20.81	20.87	20.95						
10	QPSK	25	25	20.79	20.76	20.89	22	1				
10	QPSK	50	0	20.73	20.73	20.89						
10	16QAM	1	0	20.47	20.48	20.71						
10	16QAM	1	25	20.87	20.98	21.16						
10	16QAM	1	49	20.55	21.00	20.99						
10	16QAM	25	0	19.68	19.85	19.81	21	2				
10	16QAM	25	12	19.79	19.62	20.03						
10	16QAM	25	25	19.84	19.88	19.79						
10	16QAM	50	0	19.78	19.70	19.83						
10	16QAM	50	0	19.68	19.79	19.85						
10	16QAM	1	25	19.76	19.90	19.97	20	3				
10	16QAM	1	49	19.77	19.99	19.58						
10	16QAM	25	0	18.68	18.84	18.86						
10	16QAM	25	12	18.78	18.83	18.86						
10	16QAM	25	25	18.62	18.88	18.75						
10	16QAM	50	0	18.84	18.73	18.69	18	5				
10	256QAM	1	0	16.60	16.73	16.75						
10	256QAM	1	25	16.74	16.98	16.72						
10	256QAM	1	49	16.74	17.00	17.02						
10	256QAM	25	0	16.62	16.75	16.83						
10	256QAM	25	12	16.80	16.91	16.93	18	5				
10	256QAM	25	25	16.71	16.93	16.75						
10	256QAM	50	0	16.62	16.73	16.75						
Channel				37775	38000	38225				Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5						
5	QPSK	1	0	21.60	21.65	21.81	23	0				
5	QPSK	12	12	21.53	21.79	21.88						
5	QPSK	1	24	21.92	21.67	21.99						
5	QPSK	12	0	20.53	20.88	20.81						
5	QPSK	12	7	20.90	21.01	20.99						
5	QPSK	12	13	20.83	20.87	20.77	22	1				
5	16QAM	1	0	20.51	20.48	20.66						
5	16QAM	1	12	20.85	20.89	21.08						
5	16QAM	24	0	20.55	21.07	20.97						
5	16QAM	12	0	19.77	19.77	19.87						
5	16QAM	12	13	19.87	19.95	19.71	21	2				
5	16QAM	12	7	19.83	19.83	19.90						
5	16QAM	1	0	19.55	19.79	19.88						
5	16QAM	1	12	19.75	19.93	19.82						
5	16QAM	1	24	19.77	19.83	19.82						
5	16QAM	12	0	18.75	18.90	19.72	20	3				
5	16QAM	12	13	18.82	18.90	18.82						
5	16QAM	12	13	18.78	18.89	18.87						
5	16QAM	25	0	16.80	16.80	18.84						
5	256QAM	1	0	16.60	16.92	16.69						
5	256QAM	12	12	16.68	16.88	16.78	18	5				
5	256QAM	1	24	16.62	16.97	16.89						
5	256QAM	12	0	16.62	16.89	16.89						
5	256QAM	12	13	16.75	16.82	16.62						
5	256QAM	12	13	16.66	16.89	16.81						
5	256QAM	25	0	16.71	16.85	16.77						

Band 41_Ant 2

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)	MPE (dB)			
Channel				39750	40185	40620	41055	41490					
Frequency (MHz)				20070	20505	20940	21375	21810					
20	QPSK	1	0	21.59	21.67	21.87	21.87	21.68	21.52	23	0		
20	QPSK	1	49	21.06	21.81	22.00	22.07	22.08					
20	QPSK	1	99	21.61	21.69	21.93	21.49	21.85					
20	QPSK	50	0	20.62	20.68	21.00	20.89	20.91					
20	QPSK	50	24	20.61	21.00	21.08	21.07						
20	QPSK	50	50	20.60	20.83	21.03	20.96	20.90		22	1		
20	QPSK	100	0	20.63	20.86	21.06	20.94	21.06					
20	16QAM	1	0	20.84	20.72	20.97	21.01	20.79				22	1
20	16QAM	1	49	20.65	20.66	20.95	20.67	20.66					
20	16QAM	1	99	20.74	20.65	20.82	20.47	20.83					
20	16QAM	50	0	19.67	19.87	20.02	19.86	19.85					
20	16QAM	50	24	19.71	19.90	19.98	20.05	19.98		21	2		
20	16QAM	50	50	19.78	19.86	20.20	20.01	20.21					
20	16QAM	100	0	19.70	19.93	20.07	19.93	19.97					
20	64QAM	1	0	19.65	19.63	20.08	19.40	19.46					
20	64QAM	1	49	19.68	19.99	19.95	19.75	19.93				21	2
20	64QAM	1	99	19.76	19.86	19.69	19.68	19.88					
20	64QAM	50	0	18.56	18.71	18.96	18.88	18.83					
20	64QAM	50	24	18.71	18.86	19.09	19.09	18.04					
20	64QAM	50	50	18.71	18.90	19.15	19.01	18.96					
20	64QAM	100	0	18.75	18.96	19.13	18.96	18.98		20	3		
20	256QAM	1	0	16.46	16.64	16.99	16.86	16.73					
20	256QAM	1	49	16.76	16.88	17.09	17.08	17.10					
20	256QAM	1	99	16.77	16.93	17.14	16.92	16.95					
20	256QAM	50	0	16.50	16.72	16.86	16.87	16.89					
20	256QAM	50	24	16.76	16.76	17.09	17.03	17.09		18	5		
20	256QAM	50	50	16.65	16.80	17.25	16.94	16.99					
20	256QAM	100	0	16.84	16.87	17.18	17.02	16.98					
Channel				39725	40173	40620	41096	41575	Tune-up limit (dBm)	MPE (dB)			
Frequency (MHz)				20033.5	20483.5	20933	21383.5	21833.5					
15	QPSK	1	0	21.64	21.55	21.76	21.58	21.51	23	0			
15	QPSK	1	37	21.66	21.70	22.00	22.07	22.08					
15	QPSK	1	74	21.58	21.72	21.96	21.36	21.84					
15	QPSK	36	0	20.54	20.73	20.87	20.89	20.88					
15	QPSK	36	20	20.62	20.72	21.11	21.03	21.07					
15	QPSK	36	39	20.65	20.86	20.91	20.87	20.88	22	1			
15	QPSK	75	0	20.66	20.77	20.92	20.93	20.90					
15	16QAM	1	0	20.76	20.63	20.89	20.94	20.95					
15	16QAM	1	37	20.63	20.91	20.92	20.66	20.93					
15	16QAM	1	74	20.62	20.57	20.66	20.50	20.85					
15	16QAM	36	0	19.61	19.83	19.99	19.78	19.84	21	2			
15	16QAM	36	20	19.73	19.79	20.02	20.04	20.02					
15	16QAM	36	39	19.70	19.84	20.23	19.88	19.96					
15	16QAM	75	0	19.68	19.95	20.12	19.85	19.99					
15	64QAM	1	0	19.68	19.90	19.97	19.33	19.45					
15	64QAM	1	37	19.69	20.00	19.93	19.88	19.81	21	2			
15	64QAM	1	74	19.69	19.87	19.54	19.56	19.75					
15	64QAM	36	0	18.56	18.65	18.93	18.91	18.80					
15	64QAM	36	20	18.62	18.89	19.08	19.05	18.89					
15	64QAM	36	39	18.73	18.77	19.20	18.92	18.88					
15	64QAM	75	0	18.64	18.80	19.00	18.89	18.91	20	3			
15	256QAM	1	0	16.31	16.50	16.95	16.83	16.78					
15	256QAM	1	37	16.81	16.83	17.10	17.10	16.95					
15	256QAM	1	74	16.73	16.83	17.13	16.97	16.82					
15	256QAM	36	0	16.35	16.63	16.77	16.76	16.88					
15	256QAM	36	20	16.75	16.66	16.96	16.92	17.02	18	5			
15	256QAM	36	39	16.70	16.73	17.19	16.85	16.99					
15	256QAM	75	0	16.76	16.74	17.16	16.96	16.97					
Channel				20003	20003	20003	20003	20003	Tune-up limit (dBm)	MPE (dB)			
Frequency (MHz)				25011	25047	25093	25039	25085					
10	QPSK	1	0	21.59	21.52	21.84	21.63	21.47	23	0			
10	QPSK	1	25	21.57	21.82	21.99	21.96	22.12					
10	QPSK	1	49	21.50	21.57	21.90	21.47	21.73					
10	QPSK	25	0	20.55	20.67	21.00	20.76	20.82					
10	QPSK	25	12	20.64	20.88	21.00	20.99	21.06					
10	QPSK	25	25	20.59	20.73	21.04	21.00	20.79	22	1			
10	QPSK	50	0	20.52	20.76	20.96	20.89	20.93					
10	16QAM	1	0	20.69	20.61	20.92	20.98	20.56					
10	16QAM	1	25	20.69	20.82	20.95	20.61	20.81					
10	16QAM	1	49	20.69	20.63	20.83	20.46	20.84					
10	16QAM	25	0	19.62	19.82	19.95	19.80	19.75	21	2			
10	16QAM	25	12	19.56	19.88	19.92	20.08	19.87					
10	16QAM	25	25	19.62	19.83	20.16	19.86	20.03					
10	16QAM	50	0	19.70	19.78	20.09	19.85	19.87					
10	64QAM	1	0	19.66	19.96	20.06	19.31	19.38					
10	64QAM	1	25	19.71	19.96	19.80	19.77	19.92	21	2			
10	64QAM	1	49	19.61	19.71	19.69	19.44	19.78					
10	64QAM	25	0	18.50	18.74	18.83	18.87	18.87					
10	64QAM	25	12	18.70	18.76	19.13	19.00	19.01					
10	64QAM	25	25	18.71	18.91	19.09	19.02	18.82					
10	64QAM	50	0	18.60	18.78	18.98	18.91	18.85	18	5			
10	256QAM	1	0	16.37	16.58	16.96	16.82	16.76					
10	256QAM	1	25	16.73	16.77	17.07	17.02	17.09					
10	256QAM	1	49	16.72	16.81	17.10	16.95	16.99					
10	256QAM	25	0	16.44	16.71	16.78	16.83	16.80					
10	256QAM	25	12	16.66	16.65	17.03	16.90	16.96	18	5			
10	256QAM	25	25	16.63	16.79	17.27	16.88	17.03					
10	256QAM	50	0	16.87	16.79	17.09	16.93	16.96					
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPE (dB)			
Frequency (MHz)				2468.5	2545.8	2593	2640.35	2687.5					
5	QPSK	1	0	21.46	21.67	21.86	21.67	21.52	23	0			
5	QPSK	1	12	21.68	21.81	22.07	22.12	22.10					
5	QPSK	1	24	21.57	21.73	21.82	21.46	21.86					
5	QPSK	12	0	20.47	20.70	20.94	20.88	20.76					
5	QPSK	12	7	20.54	20.79	20.97	21.08	20.98					
5	QPSK	12	13	20.46	20.67	20.88	20.90	20.92	22	1			
5	QPSK	25	0	20.63	20.87	21.00	20.80	20.92					
5	16QAM	1	0	20.80	20.57	20.85	21.02	20.66					
5	16QAM	1	12	20.62	20.88	20.85	20.57	20.93					
5	16QAM	1	24	20.60	20.52	20.77	20.52	20.75					
5	16QAM	12	0	19.61	19.74	20.01	19.89	19.75	21	2			
5	16QAM	12	7	19.58	19.88	19.99	19.91	19.90					
5	16QAM	12	13	19.72	19.80	20.14	19.98	19.96					
5	16QAM	25	0	19.62	19.91	19.94	19.91	19.90					
5	64QAM	1	0	19.56	19.60	20.04	19.30	19.35					
5	64QAM	1	12	19.55	20.01	19.88	19.62	19.88	21	2			
5	64QAM	1	24	19.67	19.81	19.72	19.61	19.79					
5	64QAM	12	0	18.53	18.69	18.93	18.80	18.83					
5	64QAM	12	7	18.65	18.83	18.94	18.96	19.06					
5	64QAM	12	13	18.60	18.77	19.05	19.05	18.94					
5	64QAM	25	0	18.80	18.85	19.03	19.02	18.97	20	3			
5	256QAM	1	0	16.32	16.67	17.01	16.76	16.72					
5	256QAM	1	12	16.67	16.88	17.09	17.02	17.06					
5	256QAM	1	24	16.82	16.84	17.04	16.88	16.93					
5	256QAM	12	0	16.44	16.67	16.73	16.83	16.75					
5	256QAM	12	7	16.70	16.63	16.94	16.72	16.89					
5	256QAM	12	13	16.67	16.82	17.24	16.81	16.93					
5	256QAM	25	0	16.76	16.87	17.18	16.92	16.89					



ENDC Power for State 13&14

Band 2_Ant 1									
RF (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Time-on-Air (sec)	APR (dB)	
Channel Frequency (MHz)									
1850 1860 1870 1880 1890 1900									
30	QPSK	1	0	23.22	23.32	23.34	25	0	
30	QPSK	1	49	23.18	23.28	23.30			
30	QPSK	1	99	23.13	23.19	23.18			
30	QPSK	50	5	22.22	22.34	22.34			
30	QPSK	50	24	22.22	22.34	22.34			
30	QPSK	50	55	22.25	22.35	22.37			
30	QPSK	100	0	22.26	22.46	22.53			
30	QPSK	100	5	22.26	22.46	22.53			
30	QPSK	1	49	22.63	22.79	22.82	24	1	
30	QPSK	1	99	22.52	22.67	22.68			
30	QPSK	50	24	21.75	21.82	21.78			
30	QPSK	50	50	21.30	21.37	21.28	23	2	
30	QPSK	100	0	21.32	21.41	21.35			
30	QPSK	1	0	21.42	21.57	21.58			
30	QPSK	1	49	21.45	21.60	21.77	23	2	
30	QPSK	1	99	21.35	21.41	21.32			
30	QPSK	50	5	20.28	20.46	20.38			
30	QPSK	50	24	20.36	20.43	20.38	22	3	
30	QPSK	50	50	20.28	20.37	20.37			
30	QPSK	100	0	20.31	20.41	20.31			
30	QPSK	1	0	19.21	19.40	19.35			
30	QPSK	1	49	19.38	19.48	19.48	20	5	
30	QPSK	1	99	19.38	19.44	19.35			
30	QPSK	50	5	19.21	19.33	19.37			
30	QPSK	50	24	19.37	19.50	19.41			
30	QPSK	50	50	19.22	19.43	19.32			
30	QPSK	100	0	19.37	19.48	19.38			
Channel Frequency (MHz)									
1850 1860 1870 1880 1890 1900									
18	QPSK	1	0	23.17	23.17	23.25	25	0	
18	QPSK	1	37	23.17	23.18	23.25			
18	QPSK	1	74	23.10	23.19	23.03			
18	QPSK	36	5	22.11	22.14	22.25			
18	QPSK	36	24	22.22	22.23	22.32			
18	QPSK	36	50	22.07	22.22	22.34	24	1	
18	QPSK	75	0	22.13	22.17	22.26			
18	QPSK	1	49	22.06	22.17	22.07			
18	QPSK	1	97	22.02	22.15	22.07	24	1	
18	QPSK	1	74	22.25	22.26	22.27			
18	QPSK	36	5	21.12	21.27	21.38			
18	QPSK	36	20	21.24	21.32	21.38	23	2	
18	QPSK	36	50	21.25	21.59	21.28			
18	QPSK	75	0	21.13	21.17	21.25			
18	QPSK	1	0	21.38	21.46	21.62			
18	QPSK	1	37	21.30	21.60	21.28	23	2	
18	QPSK	1	74	21.16	21.22	21.25			
18	QPSK	36	0	20.18	20.32	20.38			
18	QPSK	36	20	20.24	20.32	20.38	22	3	
18	QPSK	36	50	20.08	20.22	20.27			
18	QPSK	75	0	20.13	20.26	20.35			
18	QPSK	1	0	19.22	19.22	19.30			
18	QPSK	1	37	19.29	19.43	19.40	20	5	
18	QPSK	1	74	19.10	19.09	19.37			
18	QPSK	36	5	19.27	19.38	19.44			
18	QPSK	36	20	19.36	19.45	19.48			
18	QPSK	36	50	19.14	19.24	19.27	20	5	
18	QPSK	75	0	19.29	19.35	19.32			
Channel Frequency (MHz)									
1850 1860 1870 1880 1890 1900									
18	QPSK	1	0	23.17	23.23	23.25	25	0	
18	QPSK	1	24	23.03	23.13	23.13			
18	QPSK	1	49	23.08	23.18	23.18			
18	QPSK	25	0	22.10	22.24	22.27			
18	QPSK	25	12	22.07	22.23	22.21			
18	QPSK	25	25	22.03	22.25	22.35	24	1	
18	QPSK	50	0	22.26	22.15	22.32			
18	QPSK	50	5	22.08	22.45	22.35			
18	QPSK	1	25	22.44	22.89	22.76	24	1	
18	QPSK	1	49	22.51	22.90	22.43			
18	QPSK	25	5	21.08	21.37	21.37			
18	QPSK	25	12	21.30	21.35	21.32	23	2	
18	QPSK	25	25	21.26	21.24	21.17			
18	QPSK	50	5	21.30	21.32	21.39			
18	QPSK	1	0	21.30	21.65	21.61			
18	QPSK	1	25	21.26	21.75	21.57	23	2	
18	QPSK	1	49	21.27	21.33	21.38			
18	QPSK	25	0	20.10	20.24	20.42			
18	QPSK	25	12	20.06	20.20	20.48	22	3	
18	QPSK	25	25	20.17	20.14	20.38			
18	QPSK	50	0	20.18	20.31	20.29			
18	QPSK	1	0	19.22	19.22	19.30			
18	QPSK	1	25	19.26	19.45	19.32	20	5	
18	QPSK	1	49	19.28	19.30	19.32			
18	QPSK	25	0	19.20	19.21	19.49	20	5	
18	QPSK	25	25	19.12	19.18	19.25			
18	QPSK	50	0	19.15	19.40	19.35			
Channel Frequency (MHz)									
1850 1860 1870 1880 1890 1900									
5	QPSK	1	0	23.02	23.27	23.12	25	0	
5	QPSK	1	12	23.01	23.09	23.20			
5	QPSK	1	24	23.04	23.11	23.05			
5	QPSK	12	0	22.17	22.27	22.29			
5	QPSK	12	7	22.19	22.19	22.27			
5	QPSK	12	13	22.08	22.08	22.22	24	1	
5	QPSK	25	0	22.24	22.22	22.37			
5	QPSK	1	0	22.47	22.42	22.61	20	5	
5	QPSK	1	12	22.50	22.72	22.58	24	1	
5	QPSK	1	24	22.49	22.46	22.52			
5	QPSK	12	5	21.68	21.22	21.48			
5	QPSK	12	7	21.31	21.17	21.30	23	2	
5	QPSK	12	13	22.28	22.28	22.47			
5	QPSK	25	5	21.28	21.19	21.31			
5	QPSK	1	0	21.29	21.53	21.65			
5	QPSK	1	12	21.27	21.35	21.47	23	2	
5	QPSK	1	24	21.28	21.25	21.38			
5	QPSK	12	0	20.21	20.26	20.39			
5	QPSK	12	7	20.17	20.20	20.32	22	3	
5	QPSK	12	13	20.11	20.24	20.22			
5	QPSK	25	0	20.11	20.14	20.39			
5	QPSK	1	0	19.15	19.16	19.23			
5	QPSK	1	12	19.18	19.35	19.32	20	5	
5	QPSK	1	24	19.20	19.11	19.28			
5	QPSK	12	0	19.16	19.18	19.30			
5	QPSK	12	7	19.22	19.23	19.46	20	5	
5	QPSK	12	13	19.04	19.20	19.24			
5	QPSK	25	0	19.20	19.19	19.40			
Channel Frequency (MHz)									
1850 1860 1870 1880 1890 1900									
3	QPSK	1	0	23.21	23.17	23.29	25	0	
3	QPSK	1	8	23.08	23.29	23.28			
3	QPSK	1	14	23.09	23.19	23.04			
3	QPSK	8	0	22.26	22.27	22.37			
3	QPSK	8	4	22.26	22.24	22.22	24	1	
3	QPSK	8	7	22.07	22.09	22.17			
3	QPSK	15	0	22.16	22.16	22.25			
3	QPSK	1	0	22.53	22.44	22.64			
3	QPSK	1	8	22.51	22.81	22.74	24	1	
3	QPSK	1	14	22.50	22.78	22.68			
3	QPSK	8	0	21.31	21.31	21.38			
3	QPSK	8	4	21.29	21.34	21.35	23	2	
3	QPSK	8	7	21.18	21.08	21.25			
3	QPSK	15	0	21.29	21.31	21.28			
3	QPSK	1	0	21.31	21.64	21.48			
3	QPSK	1	8	21.30	21.65	21.68	23	2	
3	QPSK	1	14	21.18	21.27	21.23			
3	QPSK	8	0	20.12	20.35	20.38			
3	QPSK	8	4	20.17	20.25	20.38			
3	QPSK	8	7	20.21	20.24	20.22	22	3	
3	QPSK	15	0	20.21	20.19	20.34			
3	QPSK	1	0	19.08	19.16	19.21			
3	QPSK	1	8	19.28	19.45	19.43	20	5	
3	QPSK	1	14	19.14	19.11	19.28			
3	QPSK	8	0	19.15	19.18	19.45			
3	QPSK	8	4	19.21	19.23	19.33			
3	QPSK	8	7	19.13	19.30	19.24			
3	QPSK	15	0	19.22	19.19	19.35			
Channel Frequency (MHz)									
1850 1860 1870 1880 1890 1900									
14	QPSK	1	0	23.21	23.17	23.29	25	0	
14	QPSK	1	3	23.03	23.27	23.27			
14	QPSK	1	5	23.09	23.17	23.06			
14	QPSK	3	0	22.16	22.16	22.25			
14	QPSK	3	1	23.02	23.12	23.10			
14	QPSK	3	3	23.09	23.12	23.09			



Band 5_Ant 0																
RF BPF	Modulation	RF Size	RF Offset	Power Ch./Freq.	Power Min./Ch./Freq.	Power Max./Ch./Freq.	Time-up (min)	MFR (dB)								
Channel Frequency (MHz)																
825.5 826.5 844																
10	QPSK	1	5	24.47	24.51	24.58	20	0								
10	QPSK	1	25	24.47	24.51	24.58										
10	QPSK	1	45	24.47	24.58	24.64										
10	QPSK	25	5	23.53	23.60	23.67										
10	QPSK	25	12	23.60	23.66	23.73	25	1								
10	QPSK	25	25	23.58	23.63	23.71										
10	QPSK	50	5	23.59	23.66	23.68										
10	QPSK	50	12	23.66	23.68	23.64										
10	QPSK	1	25	23.51	23.64	23.69	25	1								
10	QPSK	1	45	23.50	24.02	24.09										
10	QPSK	25	5	22.63	22.60	22.71										
10	QPSK	25	12	22.63	22.60	22.71										
10	QPSK	25	25	22.63	22.69	22.78	24	2								
10	QPSK	50	5	22.65	22.66	22.65										
10	QPSK	1	5	22.71	22.74	22.83										
10	QPSK	1	25	22.72	22.63	22.85										
10	QPSK	1	45	22.76	22.83	22.83	24	2								
10	QPSK	25	5	21.05	21.81	21.76										
10	QPSK	25	12	21.87	21.63	21.71										
10	QPSK	25	25	21.08	21.08	21.74										
10	QPSK	50	5	21.81	21.87	21.76	21	5								
10	QPSK	1	5	19.82	19.93	19.84										
10	QPSK	1	25	20.11	20.04	19.82										
10	QPSK	1	45	19.88	20.06	20.11										
10	QPSK	25	5	19.77	19.86	19.83	21	5								
10	QPSK	25	12	19.88	19.92	19.85										
10	QPSK	25	25	19.88	19.86	19.88										
10	QPSK	50	5	19.84	19.87	19.85										
Channel Frequency (MHz)																
826.5 826.5 846.5																
5	QPSK	1	5	24.41	24.45	24.55	20	0								
5	QPSK	1	25	24.41	24.45	24.55										
5	QPSK	1	45	24.47	24.48	24.52										
5	QPSK	12	5	23.41	23.47	23.58										
5	QPSK	12	13	23.48	23.53	23.64	25	1								
5	QPSK	25	5	23.48	23.53	23.58										
5	QPSK	1	25	23.48	23.45	23.56										
5	QPSK	1	45	23.48	23.52	23.60										
5	QPSK	1	24	23.76	23.84	23.80	25	1								
5	QPSK	12	5	23.76	23.84	23.80										
5	QPSK	12	13	23.83	23.82	23.81										
5	QPSK	25	5	22.85	22.85	22.73										
5	QPSK	12	13	22.81	22.80	22.86	24	2								
5	QPSK	25	5	22.89	22.86	22.86										
5	QPSK	1	5	22.76	22.82	22.80										
5	QPSK	1	12	22.67	22.72	22.84										
5	QPSK	1	24	22.82	22.74	22.82	24	2								
5	QPSK	12	5	21.87	21.81	21.86										
5	QPSK	12	7	21.80	21.86	21.88										
5	QPSK	12	13	21.82	21.87	21.84										
5	QPSK	25	5	21.59	21.54	21.58	23	3								
5	QPSK	1	5	19.88	19.91	19.73										
5	QPSK	1	12	19.88	19.83	19.87										
5	QPSK	1	24	19.88	19.82	19.13										
5	QPSK	12	5	19.72	19.68	19.81	21	5								
5	QPSK	12	13	19.80	19.80	19.87										
5	QPSK	12	13	19.80	19.85	19.80										
5	QPSK	25	5	19.82	19.83	19.80										
Channel Frequency (MHz)																
826.5 826.5 847.5																
5	QPSK	1	5	24.41	24.45	24.55	20	0								
5	QPSK	1	25	24.47	24.48	24.52										
5	QPSK	1	45	24.36	24.47	24.61										
5	QPSK	8	5	23.54	23.52	23.69										
5	QPSK	8	14	23.60	23.62	23.67	25	1								
5	QPSK	8	7	23.53	23.61	23.72										
5	QPSK	15	5	23.49	23.57	23.62										
5	QPSK	1	5	23.57	23.67	23.63										
5	QPSK	1	8	23.80	23.89	24.14	25	1								
5	QPSK	1	14	23.74	23.83	23.89										
5	QPSK	8	5	22.82	22.87	22.77										
5	QPSK	8	4	22.83	22.72	22.78										
5	QPSK	8	7	22.80	22.88	22.82	24	2								
5	QPSK	15	5	22.80	22.80	22.89										
5	QPSK	1	5	22.82	22.85	22.86										
5	QPSK	1	8	22.89	22.88	22.91										
5	QPSK	1	14	22.77	22.81	22.85	24	2								
5	QPSK	8	5	21.58	21.55	21.70										
5	QPSK	8	4	21.58	21.66	21.72										
5	QPSK	8	7	21.54	21.63	21.76										
5	QPSK	15	5	21.50	21.62	21.68	21	5								
5	QPSK	1	5	20.05	19.98	19.77										
5	QPSK	1	8	20.05	19.98	19.77										
5	QPSK	1	14	20.04	19.90	20.02										
5	QPSK	8	5	19.88	19.85	19.76	21	5								
5	QPSK	8	4	20.11	19.81	19.83										
5	QPSK	8	7	19.80	19.87	19.80										
5	QPSK	15	5	19.84	19.86	19.86										
Channel Frequency (MHz)																
826.7 826.5 846.5																
1.4	QPSK	1	5	24.46	24.49	24.58	20	0								
1.4	QPSK	1	3	24.49	24.53	24.63										
1.4	QPSK	1	5	24.44	24.53	24.63										
1.4	QPSK	3	5	24.46	24.54	24.60										
1.4	QPSK	3	1	24.49	24.55	24.64	25	1								
1.4	QPSK	3	3	24.49	24.57	24.60										
1.4	QPSK	3	5	23.46	23.57	23.68										
1.4	QPSK	1	5	23.81	24.00	24.08										
1.4	QPSK	1	3	23.51	24.08	24.08	25	1								
1.4	QPSK	1	5	23.84	23.87	24.02										
1.4	QPSK	3	5	23.84	23.86	23.84										
1.4	QPSK	3	1	23.69	23.67	23.67										
1.4	QPSK	3	3	23.80	23.88	23.78	24	2								
1.4	QPSK	3	5	22.82	22.88	22.77										
1.4	QPSK	1	5	22.88	22.81	22.88										
1.4	QPSK	1	3	22.88	22.82	22.81										
1.4	QPSK	1	5	22.84	22.77	22.82	24	2								
1.4	QPSK	3	5	22.94	22.81	22.94										
1.4	QPSK	3	1	22.92	22.99	22.98										
1.4	QPSK	3	3	22.90	22.88	22.78										
1.4	QPSK	6	5	21.53	21.58	21.74	23	3								
1.4	QPSK	6	3	21.54	21.64	21.68										
1.4	QPSK	1	5	20.03	19.96	19.75										
1.4	QPSK	1	3	20.03	19.93	19.80										
1.4	QPSK	1	5	19.86	19.82	19.71	21	5								
1.4	QPSK	1	3	19.86	19.80	19.71										
1.4	QPSK	1	5	19.86	19.82	19.73										
1.4	QPSK	6	5	19.87	19.82	19.86										



Band 7_Ant 11														
RF BPF	Modulation	RF Size	RF Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Time-on Ant (min)	MPR (dB)						
Channel														
Frequency (MHz)														
30	QPSK	1	5	22.72	22.79	22.81	24.5	0						
30	QPSK	1	49	22.82	22.83	22.88								
30	QPSK	1	99	22.92	22.93	23.00								
30	QPSK	50	5	21.93	22.03	22.01								
30	QPSK	50	24	21.91	22.03	22.10								
30	QPSK	50	36	21.98	22.05	22.08	23.5	1						
30	QPSK	100	5	21.97	22.06	22.08								
30	QPSK	100	5	20.97	21.06	21.04								
30	QPSK	1	50	22.51	22.52	22.24								
30	QPSK	1	99	22.16	22.25	22.08								
30	QPSK	1	37	22.28	22.29	22.36	22.5	2						
30	QPSK	1	74	22.21	22.22	22.24								
30	QPSK	50	5	20.97	21.07	21.04								
30	QPSK	50	24	21.03	21.14	21.09								
30	QPSK	50	36	21.09	21.16	21.13								
30	QPSK	1	49	21.16	21.13	21.23	22.5	2						
30	QPSK	1	99	21.26	21.17	21.20								
30	QPSK	50	5	19.93	19.97	19.11								
30	QPSK	50	24	20.94	20.16	19.13								
30	QPSK	50	50	19.99	19.99	19.95								
30	QPSK	100	5	19.98	19.98	19.95	21.5	3						
30	QPSK	100	5	18.93	18.16	18.13								
30	QPSK	1	49	18.99	18.95	18.92								
30	QPSK	1	99	18.99	18.93	18.93								
30	QPSK	50	5	17.91	17.92	17.86								
30	QPSK	50	24	17.97	17.98	17.82	19.5	5						
30	QPSK	50	36	17.92	17.81	17.74								
30	QPSK	50	50	17.93	17.85	17.86								
Channel														
Frequency (MHz)														
15	QPSK	1	5	22.64	22.68	22.84	24.5	0						
15	QPSK	1	37	22.69	22.76	22.87								
15	QPSK	1	74	22.67	22.68	22.68								
15	QPSK	36	5	21.99	22.08	22.05								
15	QPSK	36	36	21.99	22.08	22.05								
15	QPSK	36	36	21.98	22.07	22.07	23.5	1						
15	QPSK	75	5	21.97	22.14	22.13								
15	QPSK	1	49	22.69	22.26	22.16								
15	QPSK	1	37	22.28	22.25	22.36								
15	QPSK	1	74	22.21	22.29	22.30								
15	QPSK	1	49	21.94	21.16	21.07	22.5	2						
15	QPSK	36	5	20.99	21.09	21.09								
15	QPSK	36	36	20.91	20.16	19.16								
15	QPSK	75	5	20.99	21.08	21.09								
15	QPSK	1	37	21.19	21.26	21.20								
15	QPSK	1	74	22.22	22.23	22.48	22.5	2						
15	QPSK	1	37	21.24	21.26	21.20								
15	QPSK	1	74	22.22	22.23	22.48								
15	QPSK	36	5	20.91	20.11	19.11								
15	QPSK	36	36	20.91	20.07	19.10								
15	QPSK	75	5	19.99	17.96	17.82	21.5	3						
15	QPSK	1	37	19.93	17.96	17.82								
15	QPSK	1	74	19.91	17.89	17.82								
15	QPSK	36	36	17.99	17.99	17.83								
15	QPSK	36	36	17.97	17.71	17.82								
15	QPSK	36	36	17.90	17.82	17.84	19.5	5						
15	QPSK	75	5	17.93	17.96	17.90								
Channel														
Frequency (MHz)														
15	QPSK	1	5	22.65	22.65	22.84	24.5	0						
15	QPSK	1	12	22.66	22.66	22.84								
15	QPSK	1	49	22.68	22.68	22.68								
15	QPSK	25	5	21.96	22.05	22.04								
15	QPSK	25	12	22.00	22.10	22.11								
15	QPSK	24	25	21.91	22.03	22.11	23.5	1						
15	QPSK	50	5	21.96	22.09	22.08								
15	QPSK	1	5	22.63	22.64	22.36								
15	QPSK	1	5	22.37	22.46	22.36								
15	QPSK	1	49	22.43	22.47	22.37								
15	QPSK	25	5	20.96	21.09	21.09	22.5	2						
15	QPSK	25	12	21.04	21.13	21.14								
15	QPSK	50	5	21.02	21.11	21.10								
15	QPSK	1	5	21.14	21.19	21.21								
15	QPSK	1	25	21.22	21.33	21.28								
15	QPSK	1	49	21.19	21.28	21.24	22.5	2						
15	QPSK	25	5	19.98	19.98	19.97								
15	QPSK	25	12	20.94	20.97	19.13								
15	QPSK	25	25	19.91	19.96	19.13								
15	QPSK	50	5	20.99	20.16	19.12								
15	QPSK	50	1	19.99	19.99	19.99	19.5	5						
15	QPSK	1	25	19.16	17.92	17.99								
15	QPSK	1	49	19.13	17.87	17.80								
15	QPSK	25	5	17.94	17.76	17.79								
15	QPSK	25	12	17.76	17.93	17.81								
15	QPSK	25	25	17.69	17.91	17.87	19.5	5						
15	QPSK	50	5	17.91	17.95	17.73								
Channel														
Frequency (MHz)														
5	QPSK	1	5	22.61	22.62	22.82			24.5	0				
5	QPSK	1	12	22.66	22.64	22.84								
5	QPSK	1	24	22.69	22.69	22.61								
5	QPSK	12	5	21.97	21.96	22.00								
5	QPSK	12	7	21.91	22.06	22.10								
5	QPSK	12	13	21.93	22.02	22.12	23.5	1						
5	QPSK	25	5	21.96	22.03	22.05								
5	QPSK	1	12	22.29	22.34	22.48								
5	QPSK	1	12	22.23	22.47	22.38								
5	QPSK	12	5	20.93	21.05	21.04								
5	QPSK	12	7	20.94	21.12	21.17	22.5	2						
5	QPSK	12	13	20.98	21.07	21.14								
5	QPSK	25	5	20.99	21.07	21.07								
5	QPSK	1	5	21.15	21.17	21.19								
5	QPSK	1	25	21.22	21.30	21.24								
5	QPSK	1	24	21.20	21.26	21.31	22.5	2						
5	QPSK	12	5	20.99	21.08	21.08								
5	QPSK	12	7	20.98	21.12	21.11								
5	QPSK	12	13	20.99	21.09	21.10								
5	QPSK	25	5	19.98	19.98	19.99								
5	QPSK	25	12	19.98	19.98	19.98	19.5	5						
5	QPSK	25	25	19.98	19.98	19.98								
5	QPSK	12	7	17.90	18.01	17.73								
5	QPSK	12	13	17.90	17.92	17.86								
5	QPSK	25	5	17.96	17.91	17.80								



Band 30_Ant 2											
RF BNF	Modulation	RF SS	RF Offset	Power Ch./Freq.	Power Min./Max. Ch./Freq.	Power Reg. Ch./Freq.	Time-up Int. (sec)	MFR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	25.11			23	0			
10	QPSK	1	25	27.04							
10	QPSK	1	45	22.71							
10	QPSK	25	0	26.90							
10	QPSK	25	12	26.97			22	1			
10	QPSK	25	25	27.15							
10	QPSK	50	0	27.06							
10	QPSK	50	12	27.06							
10	SSBAM	1	25	27.05			22	1			
10	SSBAM	1	45	27.06							
10	SSBAM	25	0	27.06							
10	SSBAM	25	12	26.99							
10	SSBAM	25	25	26.19			21	2			
10	SSBAM	50	0	26.05							
10	SSBAM	50	12	26.06							
10	SSBAM	1	45	26.06							
10	SSBAM	1	25	19.91			21	2			
10	SSBAM	1	45	19.91							
10	SSBAM	25	0	19.93							
10	SSBAM	25	12	19.89							
10	SSBAM	25	25	19.19			20	3			
10	SSBAM	50	0	19.05							
10	SSBAM	50	12	18.89							
10	SSBAM	50	25	18.19							
10	SSBAM	1	0	18.97			18	5			
10	SSBAM	1	25	18.95							
10	SSBAM	1	45	17.15							
10	SSBAM	25	0	18.94							
10	SSBAM	25	12	18.90			18	5			
10	SSBAM	25	25	18.90							
10	SSBAM	25	25	17.11							
10	SSBAM	50	0	17.94							
Time-up Int. (sec)											
MFR (dB)											
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.01	21.97	21.91	23	0			
5	QPSK	1	12	21.97	21.94	21.90					
5	QPSK	1	24	22.10	22.05	22.00					
5	QPSK	12	0	20.80	20.80	20.77					
5	QPSK	12	7	20.79	20.78	20.77	22	1			
5	QPSK	12	13	21.09	21.10	21.14					
5	QPSK	25	0	20.81	20.80	20.80					
5	QPSK	25	12	20.80	20.79	20.79					
5	SSBAM	1	0	21.00	21.00	20.98	22	1			
5	SSBAM	1	24	21.00	21.00	21.00					
5	SSBAM	12	0	19.90	19.79	19.79					
5	SSBAM	12	7	19.78	19.72	19.79					
5	SSBAM	12	13	20.07	20.04	20.06	21	2			
5	SSBAM	1	0	20.29	20.16	20.31					
5	SSBAM	1	12	19.90	19.80	19.81					
5	SSBAM	12	0	20.26	20.26	20.26					
5	SSBAM	12	13	19.87	19.79	19.80	20	3			
5	SSBAM	12	7	19.80	19.79	19.79					
5	SSBAM	25	0	19.91	19.86	19.81					
5	SSBAM	25	12	19.80	19.80	19.80					
5	SSBAM	1	0	19.94	19.95	19.91	18	5			
5	SSBAM	1	12	19.94	19.94	19.89					
5	SSBAM	1	24	19.94	19.95	19.94					
5	SSBAM	1	12	19.94	19.94	19.94					
5	SSBAM	12	0	19.76	19.67	19.61	18	5			
5	SSBAM	12	7	19.80	19.80	19.74					
5	SSBAM	12	13	17.97	17.94	17.94					
5	SSBAM	25	0	19.90	19.90	19.80					

Band 66_Ant 1											
RF BNF	Modulation	RF SS	RF Offset	Power Ch./Freq.	Power Min./Max. Ch./Freq.	Power Reg. Ch./Freq.	Time-up Int. (sec)	MFR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.05	22.01	22.00	24	0			
20	QPSK	1	25	22.05	22.05	22.00					
20	QPSK	50	0	21.40	21.30	21.25					
20	QPSK	50	24	21.40	21.30	21.25					
20	QPSK	100	0	21.45	21.32	21.26	23	1			
20	SSBAM	1	0	21.81	21.72	21.61					
20	SSBAM	1	45	21.83	21.75	21.65					
20	SSBAM	1	50	21.59	21.53	21.43					
20	SSBAM	50	0	20.94	20.84	20.79	23	1			
20	SSBAM	50	24	20.41	20.30	20.25					
20	SSBAM	100	0	20.40	20.30	20.25					
20	SSBAM	50	50	20.40	20.30	20.25					
20	SSBAM	1	0	20.57	20.45	20.32	22	2			
20	SSBAM	1	45	20.69	20.58	20.58					
20	SSBAM	1	50	20.51	20.40	20.30					
20	SSBAM	50	0	19.40	19.30	19.25					
20	SSBAM	50	24	19.39	19.29	19.30	21	3			
20	SSBAM	100	0	19.45	19.35	19.27					
20	SSBAM	100	0	19.45	19.35	19.35					
20	SSBAM	1	0	17.41	17.35	17.19					
20	SSBAM	1	25	17.39	17.30	17.42	19	5			
20	SSBAM	1	50	17.35	17.21	17.21					
20	SSBAM	50	0	17.42	17.32	17.20					
20	SSBAM	50	24	17.39	17.27	17.28					
20	SSBAM	50	50	17.37	17.18	17.21	19	5			
20	SSBAM	100	0	17.40	17.28	17.34					
20	SSBAM	100	0	17.40	17.28	17.34					
Time-up Int. (sec)											
MFR (dB)											
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.37	22.33	22.30			24	0	
15	QPSK	1	25	22.24	22.18	22.10					
15	QPSK	1	74	22.19	22.10	22.05					
15	QPSK	36	0	21.22	21.24	21.22					
15	QPSK	36	12	21.26	21.22	21.20	23	1			
15	QPSK	36	50	21.22	21.21	21.21					
15	QPSK	75	0	21.41	21.12	21.24					
15	QPSK	75	12	21.12	21.08	21.03					
15	SSBAM	1	37	21.83	21.58	21.50	23	1			
15	SSBAM	1	74	21.56	21.26	21.20					
15	SSBAM	1	25	20.35	20.17	20.43					
15	SSBAM	36	0	19.34	19.14	19.16					
15	SSBAM	36	25	20.36	20.20	20.30	22	2			
15	SSBAM	36	50	20.41	20.24	20.34					
15	SSBAM	75	0	20.27	20.29	20.24					
15	SSBAM	1	0	20.36	20.27	20.47					
15	SSBAM	1	37	20.60	20.57	20.55	22	2			
15	SSBAM	1	74	20.27	20.26	20.26					
15	SSBAM	36	0	19.34	19.14	19.16					
15	SSBAM	36	25	19.36	19.15	19.27					
15	SSBAM	1	0	19.04	19.05	19.07	21	3			
15	SSBAM	1	25	19.04	19.05	19.07					
15	SSBAM	75	0	19.36	19.20	19.27					
15	SSBAM	1	0	19.36	19.20	19.27					
15	SSBAM	1	0	19.36	19.20	19.27	19	5			
15	SSBAM	1	25	19.36	19.20	19.27					
15	SSBAM	1	74	17.16	17.01	17.21					
15	SSBAM	36	0	17.57	17.12	17.11					



Band 38_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Inst (dBm)	MPR (dB)			
Channel				37850	38000	38150					
Frequency (MHz)				22.61	22.80	22.93					
20	QPSK	1	0	22.61	22.80	22.93	24	0			
20	QPSK	1	49	22.85	22.95	22.98					
20	QPSK	1	99	22.77	22.95	22.89					
20	QPSK	50	0	21.82	21.93	21.96					
20	QPSK	50	24	21.82	21.93	22.00					
20	QPSK	50	50	21.81	21.98	21.93	23	1			
20	QPSK	100	0	21.85	21.92	22.01					
20	16QAM	1	0	21.46	21.78	21.80					
20	16QAM	1	49	21.93	22.11	21.82					
20	16QAM	1	99	21.76	21.90	21.82					
20	16QAM	50	0	20.85	20.87	21.04	22	2			
20	16QAM	50	24	21.01	21.08	20.99					
20	16QAM	50	50	20.99	21.04	20.93					
20	16QAM	100	0	20.84	20.94	20.97					
20	64QAM	1	0	21.58	21.61	21.65					
20	64QAM	1	49	20.87	21.23	21.13	22	2			
20	64QAM	1	99	21.02	21.19	21.01					
20	64QAM	50	0	19.92	19.98	20.06					
20	64QAM	50	24	20.00	20.11	20.12					
20	64QAM	50	50	20.08	20.21	20.08					
20	256QAM	100	0	19.97	19.94	20.02	21	3			
20	256QAM	1	0	17.88	17.98	18.05					
20	256QAM	1	49	17.96	18.03	18.06					
20	256QAM	1	99	18.15	18.25	18.06					
20	256QAM	50	0	17.83	17.88	18.11					
20	256QAM	50	24	18.01	18.20	18.18	19	5			
20	256QAM	50	50	18.03	18.15	18.01					
20	256QAM	100	0	17.99	17.91	17.97					
Channel				37825	38000	38175					
Frequency (MHz)				22.55	22.61	22.75					
15	QPSK	1	0	22.45	22.61	22.75	24	0			
15	QPSK	1	37	22.76	22.76	22.97					
15	QPSK	1	74	22.71	22.75	22.69					
15	QPSK	36	0	21.65	21.74	21.95					
15	QPSK	36	20	21.74	21.84	21.97					
15	QPSK	36	39	21.70	21.90	21.73	23	1			
15	QPSK	75	0	21.71	21.92	21.85					
15	16QAM	1	0	21.41	21.67	21.62					
15	16QAM	1	37	21.73	21.99	21.46					
15	16QAM	1	74	21.70	21.80	21.81					
15	16QAM	36	0	20.73	20.85	20.93	22	2			
15	16QAM	36	20	20.82	20.98	20.99					
15	16QAM	36	39	20.81	20.88	20.87					
15	16QAM	75	0	20.77	20.86	20.87					
15	64QAM	1	0	21.53	21.43	21.64					
15	64QAM	1	37	20.76	21.08	21.09	22	2			
15	64QAM	1	74	20.98	21.04	21.04					
15	64QAM	36	0	19.75	19.92	20.02					
15	64QAM	36	20	19.92	20.06	20.06					
15	64QAM	36	39	19.91	20.02	19.92					
15	64QAM	75	0	19.86	19.85	19.83	21	3			
15	256QAM	1	0	17.71	17.86	17.92					
15	256QAM	1	37	17.91	17.85	18.05					
15	256QAM	1	74	18.01	18.13	17.92					
15	256QAM	36	0	17.78	17.78	18.05					
15	256QAM	36	20	17.88	18.16	18.04	19	5			
15	256QAM	36	39	18.00	17.97	17.86					
15	256QAM	75	0	17.79	17.88	17.86					
Channel				37775	38000	38225					
Frequency (MHz)				22.55	22.62	22.68					
10	QPSK	1	0	22.55	22.62	22.68	24	0			
10	QPSK	1	25	22.65	22.80	22.92					
10	QPSK	1	50	22.62	22.84	22.73					
10	QPSK	25	0	21.76	21.82	21.86					
10	QPSK	25	12	21.77	21.89	21.91					
10	QPSK	25	25	21.63	21.84	21.92	23	1			
10	QPSK	50	0	21.78	21.84	21.84					
10	16QAM	1	0	21.44	21.59	21.57					
10	16QAM	1	25	21.78	21.94	21.61					
10	16QAM	1	49	21.75	21.87	21.85					
10	16QAM	25	12	20.96	20.98	20.85	22	2			
10	16QAM	25	25	20.92	21.02	20.88					
10	16QAM	50	0	20.71	20.87	20.94					
10	16QAM	50	25	20.80	20.96	20.90					
10	64QAM	1	25	20.87	21.12	21.07					
10	64QAM	1	49	21.00	21.11	20.83	22	2			
10	64QAM	25	0	19.81	19.80	19.88					
10	64QAM	25	12	19.95	19.99	19.97					
10	64QAM	25	25	20.06	20.10	20.00					
10	64QAM	50	0	19.96	19.78	19.88					
10	256QAM	1	0	17.74	17.85	18.00	19	5			
10	256QAM	1	25	17.96	17.97	17.91					
10	256QAM	1	49	18.04	18.22	17.94					
10	256QAM	25	0	17.66	17.70	17.97					
10	256QAM	25	12	17.82	18.01	18.08					
10	256QAM	25	25	17.98	18.13	17.99	19	5			
10	256QAM	50	0	17.99	17.81	17.94					
Channel				37775	38000	38225					
Frequency (MHz)				22.75	22.85	22.95					
5	QPSK	1	0	22.46	22.81	22.84	24	0			
5	QPSK	1	12	22.74	22.96	22.89					
5	QPSK	1	24	22.76	22.76	22.70					
5	QPSK	12	0	21.68	21.75	21.78					
5	QPSK	12	7	21.67	21.83	21.90					
5	QPSK	12	13	21.75	21.85	21.91	23	1			
5	QPSK	25	0	21.75	21.74	21.87					
5	16QAM	1	0	21.42	21.68	21.51					
5	16QAM	1	12	21.83	21.92	21.51					
5	16QAM	1	24	21.57	21.86	21.63					
5	16QAM	12	0	20.74	20.69	20.85	22	2			
5	16QAM	12	7	20.82	21.02	20.97					
5	16QAM	12	13	20.88	20.88	20.81					
5	16QAM	25	0	20.67	20.77	20.69					
5	64QAM	1	0	21.44	21.46	21.52					
5	64QAM	1	12	20.84	21.04	21.03	22	2			
5	64QAM	1	24	20.82	21.19	21.00					
5	64QAM	12	0	19.88	19.93	19.98					
5	64QAM	12	7	20.00	19.91	20.08					
5	64QAM	12	13	19.95	20.01	19.90					
5	64QAM	25	0	19.78	19.75	20.02	21	3			
5	256QAM	1	0	17.74	17.96	17.99					
5	256QAM	1	12	17.81	18.01	17.88					
5	256QAM	1	24	18.12	18.10	17.88					
5	256QAM	12	0	17.83	17.74	17.96					
5	256QAM	12	7	17.86	18.15	18.11	19	5			
5	256QAM	12	13	18.02	18.00	17.89					
5	256QAM	25	0	17.87	17.86	17.83					

Band 38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up Inst. (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				25.80	25.95	26.10			
20	QPSK	1	0	24.88	24.98	25.03	26	0	
20	QPSK	1	49	25.08	25.20	25.22			
20	QPSK	1	99	25.02	25.12	25.18			
20	QPSK	50	0	23.98	24.09	24.22			
20	QPSK	50	24	24.07	24.24	24.26			
20	QPSK	50	50	24.13	24.20	24.17	25	1	
20	QPSK	100	0	24.06	24.13	24.17			
20	16QAM	1	0	23.74	23.90	24.27			
20	16QAM	1	49	24.42	24.47	24.10			
20	16QAM	1	99	24.27	24.23	24.23			
20	16QAM	50	0	22.88	23.13	23.20	24	2	
20	16QAM	50	24	23.12	23.16	23.27			
20	16QAM	50	50	23.09	23.20	23.33			
20	16QAM	100	0	23.17	23.16	23.17			
20	16QAM	1	0	22.52	23.23	23.33			
20	16QAM	1	49	23.21	22.81	23.54	24	2	
20	16QAM	1	99	23.32	23.23	22.99			
20	16QAM	50	0	21.98	22.13	22.08			
20	16QAM	50	24	22.13	22.24	22.27			
20	16QAM	50	50	22.12	22.16	22.16			
20	256QAM	1	0	19.72	19.87	19.87	21	5	
20	256QAM	1	49	19.74	19.88	19.87			
20	256QAM	1	99	19.78	19.91	19.87			
20	256QAM	50	0	19.73	19.95	20.07			
20	256QAM	50	24	19.81	19.98	19.86			
20	256QAM	50	50	19.87	20.00	19.97	21	5	
20	256QAM	100	0	19.78	19.90	19.84			
Channel				37825	38000	38175			
Frequency (MHz)				26.175 <th>26.95<th>26.525<th></th><th></th><th></th></th></th>	26.95 <th>26.525<th></th><th></th><th></th></th>	26.525 <th></th> <th></th> <th></th>			
15	QPSK	1	0	24.72	24.92	25.11	26	0	
15	QPSK	1	37	24.78	25.17	25.00			
15	QPSK	1	74	24.84	24.99	25.09			
15	QPSK	30	0	23.87	24.06	24.03			
15	QPSK	30	20	23.86	23.99	24.09			
15	QPSK	36	39	23.84	24.04	24.04	25	1	
15	QPSK	75	0	23.91	23.94	24.01			
15	QPSK	1	0	23.88	23.76	23.73			
15	16QAM	1	37	23.84	23.90	24.03			
15	16QAM	1	74	24.11	23.86	23.94			
15	16QAM	36	0	22.67	22.94	22.93	24	2	
15	16QAM	36	20	22.89	22.98	23.04			
15	16QAM	36	39	22.81	23.03	22.94			
15	16QAM	75	0	22.80	22.85	22.97			
15	16QAM	1	0	22.81	22.85	22.88			
15	16QAM	1	37	23.14	23.29	22.88	23	2	
15	16QAM	1	74	23.07	23.28	22.83			
15	16QAM	36	0	21.78	21.90	21.91			
15	16QAM	36	20	21.90	21.92	22.02			
15	16QAM	36	39	21.79	22.05	22.07			
15	16QAM	75	0	21.82	21.84	22.04	21	5	
15	256QAM	1	0	19.49	19.63	19.77			
15	256QAM	1	37	19.56	19.98	19.78			
15	256QAM	1	74	19.56	20.04	19.88			
15	256QAM	36	0	19.75	19.76	19.84			
15	256QAM	36	20	19.90	19.97	19.58	21	5	
15	256QAM	36	39	19.87	19.86	20.05			
15	256QAM	75	0	19.75	19.74	19.71			
Channel				37850	38000	38150			
Frequency (MHz)				25.75	25.95	26.15			
10	QPSK	1	0	24.86	25.09	25.02	26	0	
10	QPSK	1	25	24.91	25.16	25.04			
10	QPSK	1	50	24.90	25.04	25.04			
10	QPSK	25	0	23.88	24.14	24.17			
10	QPSK	25	12	23.97	24.02	24.14			
10	QPSK	25	25	23.99	24.23	24.10	25	1	
10	QPSK	50	0	23.84	24.05	24.18			
10	16QAM	1	0	24.11	24.26	23.97			
10	16QAM	1	25	23.94	24.26	24.14			
10	16QAM	1	49	24.16	24.15	24.06			
10	16QAM	25	0	23.83	23.95	23.22	24	2	
10	16QAM	25	12	23.01	23.12	23.14			
10	16QAM	25	25	22.85	23.20	23.01			
10	16QAM	50	0	22.36	23.03	23.07			
10	16QAM	1	0	22.49	22.77	23.10			
10	16QAM	1	25	22.89	23.09	23.00	24	2	
10	16QAM	1	49	22.95	22.94	23.23			
10	16QAM	25	0	21.74	22.06	22.22			
10	16QAM	25	12	22.02	22.16	22.10			
10	16QAM	25	25	22.04	22.28	22.14			
10	16QAM	50	0	21.84	22.15	22.09	23	3	
10	256QAM	1	0	19.58	19.91	19.89			
10	256QAM	1	25	19.78	19.85	19.48			
10	256QAM	1	49	19.66	19.93	19.84			
10	256QAM	25	0	19.69	19.94	20.04			
10	256QAM	25	12	19.81	19.76	19.75	21	5	
10	256QAM	25	25	19.84	19.89	19.89			
10	256QAM	50	0	19.77	19.87	19.84			
Channel				37775	38000	38225			
Frequency (MHz)				25.725	25.95	26.175			
5	QPSK	1	0	24.79	25.10	25.02	26	0	
5	QPSK	1	12	24.79	25.10	25.08			
5	QPSK	1	24	24.76	25.12	25.08			
5	QPSK	12	0	23.83	23.98	24.09			
5	QPSK	12	7	23.88	24.08	24.06			
5	QPSK	12	1	23.92	24.11	24.04	25	1	
5	QPSK	25	0	23.81	24.00	24.07			
5	16QAM	1	0	23.90	24.12	24.17			
5	16QAM	1	12	23.94	24.23	24.35			
5	16QAM	1	24	23.92	24.11	24.06			
5	16QAM	12	0	22.67	22.99	22.99	24	2	
5	16QAM	12	7	22.86	23.07	23.12			
5	16QAM	12	13	22.80	23.06	23.10			
5	16QAM	75	0	22.88	23.04	23.16			
5	16QAM	1	0	22.62	23.00	23.07			
5	16QAM	1	12	23.08	23.10	22.89	24	2	
5	16QAM	1	24	22.82	23.02	22.89			
5	16QAM	12	0	21.69	22.05	22.06			
5	16QAM	12	7	21.92	22.07	22.06			
5	16QAM	12	13	21.86	22.09	22.09			
5	16QAM	25	0	21.84	22.07	22.13	21	5	
5	256QAM	1	0	19.51	19.87	19.87			
5	256QAM	12	13	19.65	19.85	19.84			
5	256QAM	1	24	19.68	19.88	19.68			
5	256QAM	12	0	19.67	19.72	20.20			
5	256QAM	12	7	19.67	19.84	19.83	21	5	
5	256QAM	12	13	19.69	20.13	19.85			
5	256QAM	25	0	19.91	19.83	19.81			

Band 41_Ant 2											
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)	MPEP (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				39750	40185	40620	41055	41490			
20	QPSK	1	0	24.76	24.93	25.00	25.01	24.63			
20	QPSK	1	49	24.82	24.97	25.12	25.23	25.24	26	0	
20	QPSK	1	99	24.75	24.94	25.10	24.98	24.96			
20	QPSK	50	0	23.82	23.91	24.02	24.07	24.08			
20	QPSK	50	24	23.81	23.90	24.01	24.06	24.07			
20	QPSK	50	50	23.89	23.96	24.20	24.18	24.17	25	1	
20	QPSK	100	0	23.84	23.99	24.13	24.19	24.21			
20	16QAM	1	0	23.75	23.92	24.34	24.14	23.89			
20	16QAM	1	49	23.72	23.95	24.22	24.29	24.29	25	1	
20	16QAM	1	99	23.64	24.08	24.07	23.88	23.85			
20	16QAM	50	0	22.78	22.88	23.06	23.15	23.06			
20	16QAM	50	24	22.85	23.05	23.13	23.28	23.18			
20	16QAM	50	50	22.95	23.02	23.15	23.17	23.25	24	2	
20	16QAM	100	0	22.89	22.98	23.09	23.16	23.19			
20	64QAM	1	0	22.63	22.63	22.96	22.90	22.73			
20	64QAM	1	49	23.01	22.80	23.07	23.22	23.27	24	2	
20	64QAM	1	99	22.71	23.32	22.98	22.78	23.18			
20	64QAM	50	0	21.75	21.92	22.10	22.14	22.15			
20	64QAM	50	24	21.90	21.94	22.15	22.31	22.27	23	3	
20	64QAM	50	50	21.89	22.07	22.12	22.20	22.20			
20	64QAM	100	0	21.93	22.01	22.16	22.16	22.22			
20	256QAM	1	0	19.41	19.64	19.65	19.68	19.52			
20	256QAM	1	49	19.21	19.40	19.62	19.51	19.59	21	5	
20	256QAM	1	99	19.45	19.61	19.75	19.50	19.54			
20	256QAM	50	0	19.44	19.63	19.72	19.76	19.62			
20	256QAM	50	24	19.17	19.38	19.68	19.53	19.68	21	5	
20	256QAM	50	50	19.40	19.47	19.73	19.63	19.72			
20	256QAM	100	0	19.36	19.58	19.65	19.63	19.67			
Channel				39725	40173	40620	41056	41515	Tune-up limit (dBm)	MPEP (dB)	
Frequency (MHz)				39725	40173	40620	41056	41515			
15	QPSK	1	0	24.62	24.56	24.65	24.89	24.59			
15	QPSK	1	37	24.61	24.72	24.79	25.15	25.03	26	0	
15	QPSK	1	74	24.54	24.62	25.08	24.86	24.85			
15	QPSK	36	0	23.64	23.62	23.83	23.97	23.88			
15	QPSK	36	20	23.65	23.79	23.93	24.08	24.06	25	1	
15	QPSK	36	39	23.67	23.76	23.95	23.97	23.99			
15	QPSK	75	0	23.69	23.75	23.94	24.08	23.95			
15	16QAM	1	0	23.36	23.57	23.96	23.86	23.81			
15	16QAM	1	37	23.81	23.65	23.62	24.49	24.19	25	1	
15	16QAM	1	74	23.74	23.76	23.58	23.76	24.11			
15	16QAM	36	0	22.74	22.71	22.83	23.00	22.91			
15	16QAM	36	20	22.66	22.79	22.82	23.06	23.05	24	2	
15	16QAM	36	39	22.65	22.78	22.92	23.08	23.02			
15	16QAM	75	0	22.71	22.81	22.87	22.87	23.02			
15	64QAM	1	0	22.53	22.95	23.03	22.90	22.78			
15	64QAM	1	37	22.84	22.96	22.93	22.78	22.78	24	2	
15	64QAM	1	74	22.79	22.97	22.78	22.72	22.77			
15	64QAM	36	0	21.66	21.63	21.81	21.95	21.96			
15	64QAM	36	20	21.69	21.85	21.88	22.07	22.03	23	3	
15	64QAM	36	39	21.72	21.68	21.95	22.10	21.85			
15	64QAM	75	0	21.68	21.81	21.91	21.96	21.95			
15	256QAM	1	0	19.29	19.51	19.49	19.84	19.24	21	5	
15	256QAM	1	37	19.55	19.51	19.53	19.84	19.44			
15	256QAM	1	74	19.27	19.63	19.72	19.78	19.33			
15	256QAM	36	0	19.33	19.45	19.61	19.81	19.69	21	5	
15	256QAM	36	20	19.23	19.38	19.73	19.65	19.81			
15	256QAM	36	39	19.54	19.58	19.80	19.60	19.86			
15	256QAM	75	0	19.43	19.61	19.51	19.61	19.64	Tune-up limit (dBm)	MPEP (dB)	
Channel				39701	40163	40620	41053	41545			
Frequency (MHz)				39701	40163	40620	41053	41545			
10	QPSK	1	0	24.54	24.81	24.95	24.68	24.62			
10	QPSK	1	25	24.78	24.88	24.96	25.02	25.17	26	0	
10	QPSK	1	49	24.69	24.77	25.07	24.85	24.82			
10	QPSK	25	0	23.74	23.70	23.94	24.02	24.08			
10	QPSK	25	12	23.73	23.88	23.93	24.23	24.09	25	1	
10	QPSK	25	25	23.76	23.84	24.02	24.17	23.95			
10	QPSK	50	0	23.77	23.90	23.99	24.10	24.04			
10	16QAM	1	0	23.91	23.95	23.82	23.86	23.57			
10	16QAM	1	25	23.47	23.73	24.20	24.21	23.82	25	1	
10	16QAM	1	49	23.69	23.72	23.62	23.78	24.05			
10	16QAM	25	0	22.62	22.75	23.92	23.99	23.67			
10	16QAM	25	12	22.76	22.80	22.85	23.20	23.13	24	2	
10	16QAM	25	25	22.63	22.81	23.16	23.06	23.02			
10	16QAM	50	0	22.77	22.84	22.97	23.16	23.03			
10	64QAM	1	0	22.82	22.86	23.08	23.61	22.82			
10	64QAM	1	25	22.92	22.86	22.42	23.04	23.00	24	2	
10	64QAM	1	49	23.03	22.82	22.81	22.93	22.58			
10	64QAM	25	0	21.75	21.71	21.91	22.04	22.05			
10	64QAM	25	12	21.70	21.90	22.96	22.24	22.12	23	3	
10	64QAM	25	25	21.65	21.85	22.07	22.11	21.93			
10	64QAM	50	0	21.72	21.83	22.12	22.10	21.95			
10	256QAM	1	0	19.32	19.59	19.72	19.65	19.25	21	5	
10	256QAM	1	25	19.31	19.60	19.70	19.48	19.44			
10	256QAM	1	49	19.08	19.64	19.65	19.65	19.49			
10	256QAM	25	0	19.49	19.63	19.54	19.77	19.49			
10	256QAM	25	12	19.34	19.49	19.50	19.33	19.70	21	5	
10	256QAM	25	25	19.64	19.33	19.68	19.50	19.81			
10	256QAM	50	0	19.58	19.54	19.86	19.63	19.86			
Channel				39675	40148	40620	41055	41555	Tune-up limit (dBm)	MPEP (dB)	
Frequency (MHz)				39675	40148	40620	41055	41555			
5	QPSK	1	0	24.80	24.89	24.91	25.16	25.06			
5	QPSK	1	12	24.85	24.99	25.08	25.21	25.12	26	0	
5	QPSK	1	24	24.84	25.02	25.11	25.18	25.06			
5	QPSK	12	0	23.82	23.89	24.03	24.21	24.20			
5	QPSK	12	7	23.81	24.06	24.12	24.38	24.21	25	1	
5	QPSK	12	13	23.76	23.98	24.05	24.29	24.21			
5	QPSK	25	0	23.86	23.94	24.15	24.32	24.15			
5	16QAM	1	0	23.69	23.68	23.70	24.27	24.13			
5	16QAM	1	12	24.07	23.80	24.36	24.05	24.18	25	1	
5	16QAM	1	24	23.78	24.21	23.98	24.05	24.12			
5	16QAM	12	0	22.82	22.98	23.09	23.21	23.23			
5	16QAM	12	7	22.81	22.94	23.18	23.24	23.19	24	2	
5	16QAM	12	13	22.80	22.90	23.05	23.11	23.13			
5	16QAM	25	0	22.74	22.96	23.13	23.28	23.25			
5	64QAM	1	0	22.78	22.66	22.94	22.98	22.86			
5	64QAM	1	12	22.63	22.80	23.01	22.91	22.87	24	2	
5	64QAM	1	24	22.63	22.74	23.07	23.08	22.96			
5	64QAM	12	0	21.84	22.04	22.96	22.21	22.18			
5	64QAM	12	7	21.90	21.78	22.17	22.35	22.24	23	3	
5	64QAM	12	13	21.86	21.85	21.99	22.23	22.13			
5	256QAM	25	0	21.85	22.06	22.10	22.26	22.14			
5	256QAM	1	0	19.44	19.36	19.53	19.73	19.43	21	5	
5	256QAM	1	12	19.36	19.42	19.68	19.78	19.54			
5	256QAM	1	24	18.43	18.53	19.64	19.62	19.40			
5	256QAM	12	0	19.33	19.40	19.50	19.83	19.50			
5	256QAM	12	7	19.40	19.32	19.81	19.43	19.62	21	5	
5	256QAM	12	13	19.74	19.40	19.87	19.47	19.62			
5	256QAM	25	0	19.47	19.75	19.67	19.74	19.61			



Full Power/Default Power for 5G NR ENDC

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	24.39	24.52	24.37	26.0		
20	PI2 BPSK	1	53	24.24	24.48	24.16		0.0	
20	PI2 BPSK	1	104	24.38	24.38	24.08			
20	PI2 BPSK	50	0	24.18	24.44	24.20		0.5	
20	PI2 BPSK	50	28	24.26	24.49	24.27	26.0	0.0	
20	PI2 BPSK	50	56	24.23	24.46	24.05	25.5		
20	PI2 BPSK	100	0	24.18	24.47	24.20		0.5	
20	QPSK	1	1	24.28	24.49	24.41	26.0		
20	QPSK	1	53	24.27	24.51	24.14		0.0	
20	QPSK	1	104	24.45	24.43	24.13			
20	QPSK	50	0	24.21	24.42	24.24		1.0	
20	QPSK	50	28	24.19	24.49	24.09	26.0	0.0	
20	QPSK	50	56	24.27	24.44	24.07	25.0		
20	QPSK	100	0	24.19	24.47	24.20		1.0	
20	QPSK	1	1	24.46	24.47	24.49	25.0	1.0	
20	16QAM	1	1	22.92	22.97	22.99	23.5	2.5	
20	64QAM	1	1	22.92	22.97	22.99	23.5	2.5	
20	256QAM	1	1	20.74	20.85	20.84	21.5	4.5	
Channel				371500	376000	380500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI2 BPSK	1	1	24.34	24.51	24.29	26.0	0.0	
Channel				371000	376000	381000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	PI2 BPSK	1	1	24.26	24.49	24.19	26.0	0.0	
Channel				370500	376000	381500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	PI2 BPSK	1	1	24.30	24.45	24.26	26.0	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	24.39	24.52	24.37	26.0		
20	PI2 BPSK	1	53	24.24	24.48	24.16		0.0	
20	PI2 BPSK	1	104	24.38	24.38	24.08			
20	PI2 BPSK	50	0	24.18	24.44	24.20		0.5	
20	PI2 BPSK	50	28	24.26	24.49	24.27	26.0	0.0	
20	PI2 BPSK	50	56	24.23	24.46	24.05	25.5		
20	PI2 BPSK	100	0	24.18	24.47	24.20		0.5	
20	QPSK	1	1	24.28	24.49	24.41	26.0		
20	QPSK	1	53	24.27	24.51	24.14		0.0	
20	QPSK	1	104	24.45	24.43	24.13			
20	QPSK	50	0	24.21	24.42	24.24		1.0	
20	QPSK	50	28	24.19	24.49	24.09	26.0	0.0	
20	QPSK	50	56	24.27	24.44	24.07	25.0		
20	QPSK	100	0	24.19	24.47	24.20		1.0	
20	QPSK	1	1	24.46	24.47	24.49	25.0	1.0	
20	16QAM	1	1	22.92	22.97	22.99	23.5	2.5	
20	64QAM	1	1	22.92	22.97	22.99	23.5	2.5	
20	256QAM	1	1	20.74	20.85	20.84	21.5	4.5	
Channel				371500	376000	380500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI2 BPSK	1	1	24.34	24.51	24.29	26.0	0.0	
Channel				371000	376000	381000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	PI2 BPSK	1	1	24.26	24.49	24.19	26.0	0.0	
Channel				370500	376000	381500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	PI2 BPSK	1	1	24.30	24.45	24.26	26.0	0.0	

n5_Ant 0									
BW [MHz]	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			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	24.32	24.41	24.26	26.0		
20	PI2 BPSK	1	53	24.15	24.12	24.09		0.0	
20	PI2 BPSK	1	104	24.03	24.10	24.03			
20	PI2 BPSK	50	0	24.23	24.18	24.16		0.5	
20	PI2 BPSK	50	28	24.30	24.32	24.24	26.0	0.0	
20	PI2 BPSK	50	56	24.15	24.08	24.06	25.5		
20	PI2 BPSK	100	0	24.26	24.28	24.16		0.5	
20	QPSK	1	1	24.38	24.36	24.30	26.0		
20	QPSK	1	53	24.24	24.17	24.17		0.0	
20	QPSK	1	104	24.11	24.13	24.10			
20	QPSK	50	0	24.31	24.26	24.24		1.0	
20	QPSK	50	28	24.22	24.18	24.16	26.0	0.0	
20	QPSK	50	56	24.16	24.10	24.08	25.0		
20	QPSK	100	0	24.28	24.19	24.16		1.0	
20	QPSK	1	1	24.40	24.37	24.35	25.0	1.0	
20	16QAM	1	1	22.95	22.99	22.92	23.5	2.5	
20	64QAM	1	1	22.95	22.99	22.92	23.5	2.5	
20	256QAM	1	1	20.90	20.84	20.78	21.5	4.5	
Channel				166300	167300	168300	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	PI2 BPSK	1	1	24.39	24.28	24.27	26.0	0.0	
Channel				165800	167300	168800	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826	836.5	844			
10	PI2 BPSK	1	1	24.33	24.19	24.24	26.0	0.0	
Channel				165300	167300	169300	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	PI2 BPSK	1	1	24.34	24.25	24.19	26.0	0.0	



n5_Ant 2								
BW [MHz]	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	26.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.32	24.41	24.26		
20	PI2 BPSK	1	53	24.15	24.12	24.09	25.5	0.5
20	PI2 BPSK	50	0	24.23	24.18	24.16		
20	PI2 BPSK	50	28	24.30	24.32	24.24		
20	PI2 BPSK	50	56	24.15	24.09	24.08	25.5	0.5
20	PI2 BPSK	100	0	24.26	24.26	24.16		
20	QPSK	1	1	24.38	24.36	24.30		
20	QPSK	1	53	24.24	24.17	24.17	26.0	0.0
20	QPSK	1	104	24.11	24.13	24.10		
20	QPSK	50	0	24.31	24.26	24.24		
20	QPSK	50	28	24.22	24.18	24.16	25.0	1.0
20	QPSK	50	56	24.16	24.10	24.08		
20	QPSK	100	0	24.26	24.19	24.16		
20	16QAM	1	1	24.40	24.37	24.35	25.0	1.0
20	64QAM	1	1	22.95	22.99	22.92		
20	256QAM	1	1	20.90	20.84	20.78		
Channel				166300	167300	168300	26.0	0.0
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	24.39	24.28	24.27		
Channel				165800	167300	168800	26.0	0.0
Frequency (MHz)				829	836.5	844		
10	PI2 BPSK	1	1	24.33	24.19	24.24		
Channel				165300	167300	169300	26.0	0.0
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	24.34	24.25	24.19		

n7_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	26.0	0.0
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	24.60	24.64	24.62		
40	PI2 BPSK	1	108	24.50	24.61	24.58	25.5	0.5
40	PI2 BPSK	1	214	24.59	24.60	24.59		
40	PI2 BPSK	108	0	24.55	24.51	24.38		
40	PI2 BPSK	108	54	24.60	24.62	24.56	25.5	0.5
40	PI2 BPSK	108	108	24.58	24.58	24.52		
40	PI2 BPSK	216	0	24.46	24.54	24.38		
40	QPSK	1	1	24.10	24.61	24.61	26.0	0.0
40	QPSK	1	108	24.47	24.61	24.58		
40	QPSK	1	214	24.44	24.63	24.53		
40	QPSK	108	0	24.47	24.49	24.46	25.0	1.0
40	QPSK	108	54	24.57	24.59	24.52		
40	QPSK	108	108	24.45	24.47	24.36		
40	QPSK	216	0	24.17	24.11	24.26	25.0	1.0
40	16QAM	1	1	24.48	24.36	24.27		
40	64QAM	1	1	22.97	22.98	22.80		
40	256QAM	1	1	20.96	20.97	20.75	21.5	4.5
Channel				503000	507000	511000	26.0	0.0
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	24.53	24.59	24.58		
Channel				502500	507000	511500	26.0	0.0
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	24.47	24.59	24.50		
Channel				502000	507000	512000	26.0	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	24.50	24.56	24.53		
Channel				501500	507000	512500	26.0	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	24.50	24.64	24.57		
Channel				501000	507000	513000	26.0	0.0
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	24.46	24.61	24.53		
Channel				500500	507000	513500	26.0	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	24.43	24.58	24.52		

n7_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000	26.0	0.0
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	24.60	24.64	24.62		
40	PI2 BPSK	1	108	24.50	24.61	24.58	25.5	0.5
40	PI2 BPSK	1	214	24.59	24.60	24.59		
40	PI2 BPSK	108	0	24.55	24.51	24.38		
40	PI2 BPSK	108	54	24.60	24.62	24.56	26.0	0.0
40	PI2 BPSK	108	108	24.58	24.55	24.52		
40	PI2 BPSK	216	0	24.46	24.54	24.38		
40	QPSK	1	1	24.10	24.61	24.61	26.0	0.0
40	QPSK	1	108	24.47	24.61	24.58		
40	QPSK	1	214	24.44	24.63	24.53		
40	QPSK	108	0	24.47	24.49	24.46	25.0	1.0
40	QPSK	108	54	24.57	24.59	24.52		
40	QPSK	108	108	24.45	24.47	24.36		
40	QPSK	216	0	24.17	24.11	24.26	25.0	1.0
40	16QAM	1	1	24.48	24.36	24.27		
40	64QAM	1	1	22.97	22.98	22.80		
40	256QAM	1	1	20.96	20.97	20.75	21.5	4.5
Channel				503000	507000	511000	26.0	0.0
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	24.53	24.59	24.58		
Channel				502500	507000	511500	26.0	0.0
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	24.47	24.59	24.50		
Channel				502000	507000	512000	26.0	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	24.50	24.56	24.53		
Channel				501500	507000	512500	26.0	0.0
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	24.50	24.64	24.57		
Channel				501000	507000	513000	26.0	0.0
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	24.46	24.61	24.53		
Channel				500500	507000	513500	26.0	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	24.43	24.58	24.52		



n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PV2 BPSK	1	1	25.01	24.95	24.90	26.0	0.0	
40	PV2 BPSK	1	108	24.91	24.86	24.89			
40	PV2 BPSK	1	214	24.86	24.92	24.86			
40	PV2 BPSK	108	0	24.91	24.81	24.83			
40	PV2 BPSK	108	54	24.97	24.88	24.94	26.0	0.0	
40	PV2 BPSK	108	108	24.88	24.87	24.88	25.5	0.5	
40	PV2 BPSK	216	0	24.93	24.90	24.87			
40	QPSK	1	1	24.98	24.89	24.95			
40	QPSK	1	108	24.93	24.87	24.93			
40	QPSK	1	214	24.94	24.86	24.94	26.0	0.0	
40	QPSK	108	0	24.41	24.37	24.39			
40	QPSK	108	54	24.93	24.88	24.95			
40	QPSK	108	108	24.47	24.44	24.45			
40	QPSK	216	0	24.41	24.46	24.35	25.0	1.0	
40	16QAM	1	1	24.74	24.64	24.65	25.0	1.0	
40	64QAM	1	1	23.13	23.07	23.08			
40	256QAM	1	1	20.95	20.85	20.85			
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	24.99	24.85	24.89	26.0	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PV2 BPSK	1	1	24.92	24.85	24.84	26.0	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PV2 BPSK	1	1	24.89	24.77	24.82	26.0	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PV2 BPSK	1	1	24.92	24.83	24.87	26.0	0.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PV2 BPSK	1	1	25.01	24.95	24.90	26.0	0.0	
40	PV2 BPSK	1	108	24.91	24.86	24.89			
40	PV2 BPSK	1	214	24.86	24.92	24.86			
40	PV2 BPSK	108	0	24.91	24.81	24.83			
40	PV2 BPSK	108	54	24.97	24.88	24.94	26.0	0.0	
40	PV2 BPSK	108	108	24.88	24.87	24.88	25.5	0.5	
40	PV2 BPSK	216	0	24.93	24.90	24.87			
40	QPSK	1	1	24.98	24.89	24.95			
40	QPSK	1	108	24.94	24.87	24.93			
40	QPSK	1	214	24.94	24.86	24.84	26.0	0.0	
40	QPSK	108	0	24.41	24.37	24.39			
40	QPSK	108	54	24.93	24.88	24.95			
40	QPSK	108	108	24.47	24.44	24.45			
40	QPSK	216	0	24.41	24.46	24.35	25.0	1.0	
40	16QAM	1	1	24.74	24.64	24.65	25.0	1.0	
40	64QAM	1	1	23.13	23.07	23.08			
40	256QAM	1	1	20.95	20.85	20.85			
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	24.99	24.85	24.89	26.0	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PV2 BPSK	1	1	24.92	24.85	24.84	26.0	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PV2 BPSK	1	1	24.89	24.77	24.82	26.0	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PV2 BPSK	1	1	24.92	24.83	24.87	26.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				136600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PV2 BPSK	1	1	24.58	24.67	24.64	26.0	0.0	
20	PV2 BPSK	1	53	24.55	24.66	24.62			
20	PV2 BPSK	1	104	24.54	24.15	24.05			
20	PV2 BPSK	50	0	24.52	24.64	24.21			
20	PV2 BPSK	50	28	24.57	24.65	24.35	25.5	0.5	
20	PV2 BPSK	50	56	24.50	24.34	23.66	25.5	0.5	
20	PV2 BPSK	100	0	24.61	24.62	24.10			
20	QPSK	1	1	24.55	24.63	24.65			
20	QPSK	1	53	24.62	24.65	24.05			
20	QPSK	1	104	24.58	24.13	24.07	26.0	0.0	
20	QPSK	50	0	24.09	24.15	24.00	25.0	1.0	
20	QPSK	50	28	24.56	24.64	24.08	26.0	0.0	
20	QPSK	50	56	24.19	23.78	23.67	25.0	1.0	
20	QPSK	100	0	24.15	24.07	23.59			
20	16QAM	1	1	24.25	24.38	24.44			
20	64QAM	1	1	22.71	22.80	22.86			
20	256QAM	1	1	20.45	20.56	20.65	21.5	4.5	
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	PV2 BPSK	1	1	24.52	24.66	24.47	26.0	0.0	
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666	680.5	695			
10	PV2 BPSK	1	1	24.47	24.59	24.44	26.0	0.0	
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	PV2 BPSK	1	1	24.49	24.57	24.42	26.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	139100	137600		
Frequency (MHz)				673	690.5	688		
20	PI/2 BPSK	1	1	24.58	24.67	24.64	26.0	0.0
20	PI/2 BPSK	1	53	24.55	24.66	24.02		
20	PI/2 BPSK	1	104	24.54	24.15	24.05		
20	PI/2 BPSK	50	0	24.52	24.64	24.21	25.5	0.5
20	PI/2 BPSK	50	28	24.57	24.65	24.35	26.0	0.0
20	PI/2 BPSK	50	55	24.50	24.34	23.96	25.5	0.5
20	PI/2 BPSK	100	0	24.61	24.62	24.10		
20	QPSK	1	1	24.55	24.63	24.65	26.0	0.0
20	QPSK	1	53	24.62	24.65	24.05		
20	QPSK	1	104	24.58	24.13	24.07		
20	QPSK	50	0	24.09	24.15	24.00	25.0	1.0
20	QPSK	50	28	24.56	24.64	24.08	26.0	0.0
20	QPSK	50	56	24.19	23.78	23.67	25.0	1.0
20	QPSK	100	0	24.15	24.07	23.99		
20	16QAM	1	1	24.25	24.36	24.44	25.0	1.0
20	64QAM	1	1	22.71	22.80	22.86	23.5	2.5
20	256QAM	1	1	20.45	20.56	20.65	21.5	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	690.5	690.5		
15	PI/2 BPSK	1	1	24.52	24.66	24.47	26.0	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				666	690.5	693		
10	PI/2 BPSK	1	1	24.47	24.59	24.44	26.0	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	690.5	695.5		
5	PI/2 BPSK	1	1	24.49	24.57	24.42	26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	24.91	24.85	24.79		
100	PI2 BPSK	1	137	24.90	24.81	24.72	26.0	0.0
100	PI2 BPSK	1	271	24.76	24.83	24.73		
100	PI2 BPSK	135	0	24.40	24.75	24.66	26.0	0.0
100	PI2 BPSK	135	69	24.88	24.83	24.77	26.0	0.0
100	PI2 BPSK	135	138	24.76	24.78	24.74		
100	PI2 BPSK	270	0	24.87	24.82	24.73	26.0	0.0
100	QPSK	1	1	24.89	24.81	24.69		
100	QPSK	1	137	24.90	24.79	24.72	26.0	0.0
100	QPSK	1	271	24.77	24.83	24.78		
100	QPSK	135	0	24.66	24.75	24.63		
100	QPSK	135	69	24.85	24.73	24.77	26.0	0.0
100	QPSK	135	138	24.74	24.72	24.70		
100	QPSK	270	0	24.81	24.74	24.71	26.0	0.0
100	16QAM	1	1	24.78	24.67	24.72	26.0	0.0
100	64QAM	1	1	24.06	24.02	24.01	25.0	1.0
100	256QAM	1	1	21.96	21.87	21.78	23.0	3.0
Channel				649934	650000	650066	limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI2 BPSK	1	1	24.85	24.83	24.81	26.0	0.0
Channel				649334	650000	650666	limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI2 BPSK	1	1	24.75	24.61	24.53	26.0	0.0
Channel				649000	650000	663000	limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI2 BPSK	1	1	24.83	24.56	24.55	26.0	0.0
Channel				648668	650000	663332	limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI2 BPSK	1	1	24.82	24.59	24.53	26.0	0.0
Channel				648334	650000	663666	limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI2 BPSK	1	1	24.77	24.59	24.51	26.0	0.0
Channel				648000	650000	664000	limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	24.75	24.62	24.54	26.0	0.0
Channel				647668	650000	664332	limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI2 BPSK	1	1	24.80	24.58	24.54	26.0	0.0
Channel				647334	650000	664666	limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI2 BPSK	1	1	24.78	24.60	24.55	26.0	0.0
Channel				647168	650000	664932	limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI2 BPSK	1	1	24.77	24.57	24.58	26.0	0.0
Channel				647000	650000	665000	limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI2 BPSK	1	1	24.83	24.53	24.52	26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	24.91	24.85	24.79		
100	PI2 BPSK	1	137	24.90	24.81	24.72	26.0	0.0
100	PI2 BPSK	1	271	24.76	24.83	24.73		
100	PI2 BPSK	135	0	24.40	24.75	24.66	26.0	0.0
100	PI2 BPSK	135	69	24.88	24.83	24.77	26.0	0.0
100	PI2 BPSK	135	138	24.76	24.78	24.74		
100	PI2 BPSK	270	0	24.87	24.82	24.73	26.0	0.0
100	QPSK	1	1	24.89	24.81	24.69		
100	QPSK	1	137	24.90	24.79	24.72	26.0	0.0
100	QPSK	1	271	24.77	24.83	24.78		
100	QPSK	135	0	24.66	24.75	24.63		
100	QPSK	135	69	24.85	24.73	24.77	26.0	0.0
100	QPSK	135	138	24.74	24.72	24.70		
100	QPSK	270	0	24.81	24.74	24.71	26.0	0.0
100	16QAM	1	1	24.78	24.67	24.72	26.0	0.0
100	64QAM	1	1	24.06	24.02	24.01	25.0	1.0
100	256QAM	1	1	21.96	21.87	21.78	23.0	3.0
Channel				649969	650000	652332	limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI2 BPSK	1	1	24.85	24.83	24.81	26.0	0.0
Channel				649334	650000	652666	limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI2 BPSK	1	1	24.75	24.61	24.53	26.0	0.0
Channel				649000	650000	663000	limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI2 BPSK	1	1	24.83	24.56	24.55	26.0	0.0
Channel				648668	650000	663332	limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI2 BPSK	1	1	24.82	24.59	24.53	26.0	0.0
Channel				648334	650000	663666	limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI2 BPSK	1	1	24.77	24.59	24.51	26.0	0.0
Channel				648000	650000	664000	limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	24.75	24.62	24.54	26.0	0.0
Channel				647668	650000	664332	limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI2 BPSK	1	1	24.80	24.58	24.54	26.0	0.0
Channel				647334	650000	664666	limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI2 BPSK	1	1	24.78	24.60	24.55	26.0	0.0
Channel				647168	650000	664932	limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI2 BPSK	1	1	24.77	24.57	24.58	26.0	0.0
Channel				647000	650000	665000	limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI2 BPSK	1	1	24.83	24.53	24.52	26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	24.91	24.85	24.79		
100	PI2 BPSK	1	137	24.90	24.81	24.72	26.0	0.0
100	PI2 BPSK	1	271	24.76	24.83	24.73		
100	PI2 BPSK	135	0	24.40	24.75	24.66	26.0	0.0
100	PI2 BPSK	135	69	24.88	24.83	24.77	26.0	0.0
100	PI2 BPSK	135	138	24.76	24.78	24.74	26.0	0.0
100	PI2 BPSK	270	0	24.87	24.82	24.73	26.0	0.0
100	QPSK	1	1	24.89	24.81	24.69		
100	QPSK	1	137	24.90	24.79	24.72	26.0	0.0
100	QPSK	1	271	24.77	24.83	24.78		
100	QPSK	135	0	24.66	24.75	24.63		
100	QPSK	135	69	24.85	24.73	24.77	26.0	0.0
100	QPSK	135	138	24.74	24.72	24.70		
100	QPSK	270	0	24.81	24.74	24.71	26.0	0.0
100	16QAM	1	1	24.78	24.67	24.72	26.0	0.0
100	64QAM	1	1	24.06	24.02	24.01	25.0	1.0
100	256QAM	1	1	21.96	21.87	21.78	23.0	3.0
Channel				649969	650000	662332	limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI2 BPSK	1	1	24.85	24.83	24.81	26.0	0.0
Channel				649334	650000	662666	limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI2 BPSK	1	1	24.75	24.61	24.53	26.0	0.0
Channel				649000	650000	663000	limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI2 BPSK	1	1	24.83	24.56	24.55	26.0	0.0
Channel				648668	650000	663332	limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI2 BPSK	1	1	24.82	24.59	24.53	26.0	0.0
Channel				648334	650000	663666	limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI2 BPSK	1	1	24.77	24.59	24.51	26.0	0.0
Channel				648000	650000	664000	limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	24.75	24.62	24.54	26.0	0.0
Channel				647668	650000	664332	limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI2 BPSK	1	1	24.80	24.58	24.54	26.0	0.0
Channel				647334	650000	664666	limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI2 BPSK	1	1	24.78	24.60	24.55	26.0	0.0
Channel				647000	650000	664999	limit (dBm)	MPR (dB)
Frequency (MHz)				3707.50	3840	3972.48		
15	PI2 BPSK	1	1	24.77	24.57	24.58	26.0	0.0
Channel				647000	650000	665000	limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI2 BPSK	1	1	24.83	24.53	24.52	26.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	24.91	24.95	24.79		
100	PI2 BPSK	1	137	24.90	24.81	24.72	26.0	0.0
100	PI2 BPSK	1	271	24.76	24.83	24.73		
100	PI2 BPSK	135	0	24.40	24.75	24.66	26.0	0.0
100	PI2 BPSK	135	69	24.88	24.83	24.77	26.0	0.0
100	PI2 BPSK	135	138	24.76	24.78	24.74		
100	PI2 BPSK	270	0	24.87	24.82	24.73	26.0	0.0
100	QPSK	1	1	24.89	24.81	24.69		
100	QPSK	1	137	24.90	24.79	24.72	26.0	0.0
100	QPSK	1	271	24.77	24.83	24.76		
100	QPSK	135	0	24.66	24.75	24.63		
100	QPSK	135	69	24.85	24.73	24.77	26.0	0.0
100	QPSK	135	138	24.74	24.72	24.70		
100	QPSK	270	0	24.81	24.74	24.71	26.0	0.0
100	16QAM	1	1	24.78	24.67	24.72	26.0	0.0
100	64QAM	1	1	24.06	24.02	24.01	25.0	1.0
100	256QAM	1	1	21.96	21.87	21.78	23.0	3.0
Channel				649993	650000	650332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI2 BPSK	1	1	24.85	24.83	24.81	26.0	0.0
Channel				649334	650000	650666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI2 BPSK	1	1	24.75	24.61	24.53	26.0	0.0
Channel				649000	650000	651000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI2 BPSK	1	1	24.83	24.56	24.55	26.0	0.0
Channel				648668	650000	651332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI2 BPSK	1	1	24.82	24.59	24.53	26.0	0.0
Channel				648334	650000	651666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI2 BPSK	1	1	24.77	24.59	24.51	26.0	0.0
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	24.75	24.62	24.54	26.0	0.0
Channel				647668	650000	652332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI2 BPSK	1	1	24.80	24.58	24.54	26.0	0.0
Channel				647334	650000	652666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI2 BPSK	1	1	24.78	24.60	24.55	26.0	0.0
Channel				647168	650000	652832	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI2 BPSK	1	1	24.77	24.57	24.58	26.0	0.0
Channel				647000	650000	653000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI2 BPSK	1	1	24.83	24.53	24.52	26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI2 BPSK	1	1		24.70			
100	PI2 BPSK	1	137		24.80		26.0	0.0
100	PI2 BPSK	1	271		24.80			
100	PI2 BPSK	135	0		24.69		26.0	0.0
100	PI2 BPSK	135	69		24.83		26.0	0.0
100	PI2 BPSK	135	138		24.47		26.0	0.0
100	PI2 BPSK	270	0		24.81			
100	QPSK	1	1		24.81			
100	QPSK	1	137		24.73		26.0	0.0
100	QPSK	1	271		24.66			
100	QPSK	135	0		24.67			
100	QPSK	135	69		24.57		26.0	0.0
100	QPSK	135	138		24.44			
100	QPSK	270	0		24.66		26.0	0.0
100	16QAM	1	1		24.71		26.0	0.0
100	64QAM	1	1		24.67		25.0	1.0
100	256QAM	1	1		21.88		23.0	3.0
Channel				649989	650000	650332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1	24.77	24.76	24.78	26.0	0.0
Channel				649334	650000	650666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	24.74	24.73	24.81	26.0	0.0
Channel				649000	650000	651000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI2 BPSK	1	1	24.78	24.73	24.80	26.0	0.0
Channel				648668	650000	651332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	24.82	24.79	24.78	26.0	0.0
Channel				648334	650000	651666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI2 BPSK	1	1	24.69	24.81	24.85	26.0	0.0
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI2 BPSK	1	1	24.84	24.78	24.82	26.0	0.0
Channel				647668	650000	652332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI2 BPSK	1	1	24.83	24.75	24.78	26.0	0.0
Channel				647334	650000	652666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI2 BPSK	1	1	24.84	24.80	24.72	26.0	0.0
Channel				647168	650000	652832	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI2 BPSK	1	1	24.81	24.68	24.84	26.0	0.0
Channel				647000	650000	653000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI2 BPSK	1	1	24.85	24.81	24.76	26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI2 BPSK	1	1		24.86			
100	PI2 BPSK	1	137		24.70		26.0	0.0
100	PI2 BPSK	1	271		24.60			
100	PI2 BPSK	135	0		24.49		26.0	0.0
100	PI2 BPSK	135	69		24.83		26.0	0.0
100	PI2 BPSK	135	138		24.47		26.0	0.0
100	PI2 BPSK	270	0		24.81			
100	QPSK	1	1		24.81			
100	QPSK	1	137		24.73		26.0	0.0
100	QPSK	1	271		24.60			
100	QPSK	135	0		24.67			
100	QPSK	135	69		24.57		26.0	0.0
100	QPSK	135	138		24.44			
100	QPSK	270	0		24.66		26.0	0.0
100	16QAM	1	1		24.71		26.0	0.0
100	64QAM	1	1		24.67		25.0	1.0
100	256QAM	1	1		21.88		23.0	3.0
Channel				649989	650000	650332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1	24.77	24.76	24.78	26.0	0.0
Channel				649334	650000	650666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	24.74	24.73	24.81	26.0	0.0
Channel				649000	650000	651000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI2 BPSK	1	1	24.78	24.73	24.80	26.0	0.0
Channel				648668	650000	651332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	24.82	24.79	24.78	26.0	0.0
Channel				648334	650000	651666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI2 BPSK	1	1	24.69	24.81	24.85	26.0	0.0
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI2 BPSK	1	1	24.84	24.78	24.82	26.0	0.0
Channel				647668	650000	652332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI2 BPSK	1	1	24.83	24.75	24.78	26.0	0.0
Channel				647334	650000	652666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI2 BPSK	1	1	24.84	24.80	24.72	26.0	0.0
Channel				647168	650000	652832	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI2 BPSK	1	1	24.81	24.68	24.84	26.0	0.0
Channel				647000	650000	653000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI2 BPSK	1	1	24.85	24.81	24.76	26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PV2 BPSK	1	1		24.96			26.0	0.0
100	PV2 BPSK	1	137		24.70				
100	PV2 BPSK	1	271		24.80				
100	PV2 BPSK	135	0		24.69				
100	PV2 BPSK	135	69		24.83			26.0	0.0
100	PV2 BPSK	135	138		24.47			26.0	0.0
100	PV2 BPSK	270	0		24.81				
100	QPSK	1	1		24.81			26.0	0.0
100	QPSK	1	137		24.73				
100	QPSK	1	271		24.86				
100	QPSK	135	0		24.67				
100	QPSK	135	69		24.57			26.0	0.0
100	QPSK	135	138		24.44				
100	QPSK	270	0		24.66			26.0	0.0
100	16QAM	1	1		24.71			26.0	0.0
100	64QAM	1	1		24.67			25.0	1.0
100	256QAM	1	1		21.88			23.0	3.0
Channel				649868	650000	650332	111.111° limit	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)		
90	PV2 BPSK	1	1	24.77	24.76	24.78		26.0	0.0
Channel				649334	650000	650666	tune-up limit	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)		
80	PV2 BPSK	1	1	24.74	24.73	24.81		26.0	0.0
Channel				649000	650000	651000	tune-up limit	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)		
70	PV2 BPSK	1	1	24.78	24.73	24.80		26.0	0.0
Channel				648668	650000	651332	tune-up limit	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)		
60	PV2 BPSK	1	1	24.82	24.79	24.78		26.0	0.0
Channel				648334	650000	651666	tune-up limit	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)		
50	PV2 BPSK	1	1	24.69	24.81	24.85		26.0	0.0
Channel				648000	650000	652000	tune-up limit	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)		
40	PV2 BPSK	1	1	24.84	24.76	24.82		26.0	0.0
Channel				647668	650000	652332	tune-up limit	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)		
30	PV2 BPSK	1	1	24.83	24.75	24.78		26.0	0.0
Channel				647334	650000	652666	tune-up limit	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)		
20	PV2 BPSK	1	1	24.84	24.80	24.72		26.0	0.0
Channel				647188	650000	652832	tune-up limit	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)		
15	PV2 BPSK	1	1	24.81	24.68	24.84		26.0	0.0
Channel				647000	650000	653000	tune-up limit	MPR (dB)	
Frequency (MHz)				3705	3750	3795	(dBm)		
10	PV2 BPSK	1	1	24.85	24.81	24.76		26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PV2 BPSK	1	1		24.86			26.0	0.0
100	PV2 BPSK	1	137		24.70				
100	PV2 BPSK	1	271		24.80				
100	PV2 BPSK	135	0		24.69				
100	PV2 BPSK	135	69		24.83			26.0	0.0
100	PV2 BPSK	135	138		24.47			26.0	0.0
100	PV2 BPSK	270	0		24.81				
100	QPSK	1	1		24.81			26.0	0.0
100	QPSK	1	137		24.73				
100	QPSK	1	271		24.66				
100	QPSK	135	0		24.67				
100	QPSK	135	69		24.57			26.0	0.0
100	QPSK	135	138		24.44				
100	QPSK	270	0		24.66			26.0	0.0
100	16QAM	1	1		24.71			26.0	0.0
100	64QAM	1	1		24.67			25.0	1.0
100	256QAM	1	1		21.88			23.0	3.0
Channel				649868	650000	650332	111.111° limit	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	(dBm)		
90	PV2 BPSK	1	1	24.77	24.76	24.78		26.0	0.0
Channel				649334	650000	650666	tune-up limit	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	(dBm)		
80	PV2 BPSK	1	1	24.74	24.73	24.81		26.0	0.0
Channel				649000	650000	651000	tune-up limit	MPR (dB)	
Frequency (MHz)				3735	3750	3765	(dBm)		
70	PV2 BPSK	1	1	24.76	24.73	24.80		26.0	0.0
Channel				648668	650000	651332	tune-up limit	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	(dBm)		
60	PV2 BPSK	1	1	24.82	24.79	24.78		26.0	0.0
Channel				648334	650000	651666	tune-up limit	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	(dBm)		
50	PV2 BPSK	1	1	24.69	24.81	24.85		26.0	0.0
Channel				648000	650000	652000	tune-up limit	MPR (dB)	
Frequency (MHz)				3720	3750	3780	(dBm)		
40	PV2 BPSK	1	1	24.84	24.76	24.82		26.0	0.0
Channel				647668	650000	652332	tune-up limit	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98	(dBm)		
30	PV2 BPSK	1	1	24.83	24.75	24.78		26.0	0.0
Channel				647334	650000	652666	tune-up limit	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	(dBm)		
20	PV2 BPSK	1	1	24.84	24.80	24.72		26.0	0.0
Channel				647188	650000	652832	tune-up limit	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	(dBm)		
15	PV2 BPSK	1	1	24.81	24.68	24.84		26.0	0.0
Channel				647000	650000	653000	tune-up limit	MPR (dB)	
Frequency (MHz)				3705	3750	3795	(dBm)		
10	PV2 BPSK	1	1	24.85	24.81	24.76		26.0	0.0



ENDC Power for State 10

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PV2 BPSK	1	1	24.39	24.52	24.37	24.30	24.51	21.38
20	PV2 BPSK	1	53	24.24	24.48	24.16	26.0	0.0	
20	PV2 BPSK	1	104	24.38	24.38	24.08			
20	PV2 BPSK	50	0	24.18	24.44	24.20	25.5	0.5	
20	PV2 BPSK	50	28	24.26	24.49	24.27	26.0		
20	PV2 BPSK	50	56	24.23	24.48	24.05	25.5	0.5	
20	PV2 BPSK	100	0	24.18	24.47	24.20			
20	QPSK	1	1	24.28	24.49	24.41	26.0	0.0	
20	QPSK	1	53	24.27	24.51	24.14			
20	QPSK	1	104	24.45	24.43	24.13	25.0	1.0	
20	QPSK	50	0	24.21	24.42	24.24			
20	QPSK	50	28	24.19	24.49	24.09	26.0	0.0	
20	QPSK	50	56	24.27	24.44	24.07	25.0	1.0	
20	QPSK	100	0	24.18	24.47	24.20			
20	16QAM	1	1	24.46	24.47	24.49	25.0	1.0	
20	64QAM	1	1	22.92	22.97	22.99	23.5		
20	256QAM	1	1	20.74	20.85	20.84	21.5	4.5	
Channel				371500	376000	380500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	26.0		
15	PV2 BPSK	1	1	24.34	24.51	24.29	26.0		
Channel				371000	376000	381000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	26.0		
10	PV2 BPSK	1	1	24.26	24.49	24.19	26.0		
Channel				370500	376000	381500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	26.0		
5	PV2 BPSK	1	1	24.30	24.45	24.26	26.0		

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PV2 BPSK	1	1	21.40	21.51	21.38			
20	PV2 BPSK	1	53	21.24	21.38	21.30	23.0		0.0
20	PV2 BPSK	1	104	21.26	21.41	21.19			
20	PV2 BPSK	50	0	21.19	21.40	21.22	23.0		0.0
20	PV2 BPSK	50	28	21.37	21.45	21.32	23.0		0.0
20	PV2 BPSK	50	56	21.34	21.37	21.30			
20	PV2 BPSK	100	0	21.25	21.35	21.15	23.0		0.0
20	QPSK	1	1	21.42	21.47	21.48			
20	QPSK	1	53	21.28	21.42	21.21	23.0		0.0
20	QPSK	1	104	21.23	21.45	21.18			
20	QPSK	50	0	21.49	21.42	21.46	23.0		0.0
20	QPSK	50	28	21.39	21.39	21.41	23.0		0.0
20	QPSK	50	56	21.10	21.34	21.15			
20	QPSK	100	0	21.15	21.38	21.26	23.0		0.0
20	16QAM	1	1	21.10	21.29	21.35	23.0		0.0
20	64QAM	1	1	21.36	21.42	21.41	23.0		0.0
20	256QAM	1	1	20.22	20.39	20.23	21.5		1.5
Channel				371500	376000	380500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	23.0		
15	PV2 BPSK	1	1	21.07	21.46	21.20	23.0		0.0
Channel				371000	376000	381000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	23.0		
10	PV2 BPSK	1	1	21.02	21.28	21.36	23.0		0.0
Channel				370500	376000	381500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	23.0		
5	PV2 BPSK	1	1	21.10	21.15	21.39	23.0		0.0

n5_Ant 0									
BW [MHz]	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			
Frequency (MHz)				834	836.5	839			
20	PV2 BPSK	1	1	24.32	24.41	24.26	24.30	26.0	0.0
20	PV2 BPSK	1	53	24.15	24.12	24.09			
20	PV2 BPSK	1	104	24.03	24.10	24.03	25.5	0.5	
20	PV2 BPSK	50	0	24.23	24.18	24.16			
20	PV2 BPSK	50	28	24.30	24.32	24.24	24.16	0.0	
20	PV2 BPSK	50	56	24.15	24.09	24.08			
20	PV2 BPSK	100	0	24.26	24.28	24.16	25.5	0.5	
20	QPSK	1	1	24.38	24.36	24.30			
20	QPSK	1	53	24.24	24.17	24.17	26.0	0.0	
20	QPSK	1	104	24.11	24.13	24.10			
20	QPSK	50	0	24.31	24.26	24.24	25.0	1.0	
20	QPSK	50	28	24.22	24.18	24.16	25.0	0.0	
20	QPSK	50	56	24.16	24.10	24.08			
20	QPSK	100	0	24.28	24.19	24.16	25.0	1.0	
20	16QAM	1	1	24.40	24.37	24.35			
20	64QAM	1	1	22.95	22.99	22.92	23.5	2.5	
20	256QAM	1	1	20.90	20.84	20.78	21.5	4.5	
Channel				166300	167300	168300	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	26.0		
15	PV2 BPSK	1	1	24.39	24.28	24.27	26.0	0.0	
Channel				165800	167300	168800	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	26.0		
10	PV2 BPSK	1	1	24.33	24.19	24.24	26.0	0.0	
Channel				165300	167300	169300	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	26.0		
5	PV2 BPSK	1	1	24.34	24.25	24.19	26.0	0.0	



n5_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				166300	167300	168300	
Frequency (MHz)				834	836.5	839	
20	PI2 BPSK	1	1	22.39	22.42	22.22	
20	PI2 BPSK	1	53	22.21	22.11	22.05	24.0
20	PI2 BPSK	1	104	22.14	22.02	22.15	
20	PI2 BPSK	50	0	22.19	22.21	22.13	24.0
20	PI2 BPSK	50	28	22.30	22.22	22.17	24.0
20	PI2 BPSK	50	56	22.14	22.06	22.10	
20	PI2 BPSK	100	0	22.11	22.17	22.13	24.0
20	QPSK	1	1	22.22	22.35	22.13	
20	QPSK	1	53	22.04	22.10	22.17	24.0
20	QPSK	1	104	22.03	22.09	22.09	
20	QPSK	50	0	22.06	22.24	22.16	24.0
20	QPSK	50	28	22.18	22.11	22.08	24.0
20	QPSK	50	56	22.04	22.08	22.12	
20	QPSK	100	0	22.08	22.20	22.23	24.0
20	16QAM	1	1	22.41	22.33	22.42	24.0
20	64QAM	1	1	22.36	22.39	22.30	23.5
20	256QAM	1	1	20.90	20.88	20.82	21.5
Channel				166300	167300	168300	MPR
Frequency (MHz)				831.5	836.5	841.5	(dB)
15	PI2 BPSK	1	1	22.20	22.16	22.14	24.0
Channel				165800	167300	168800	MPR
Frequency (MHz)				829	836.5	844	(dB)
10	PI2 BPSK	1	1	22.35	22.25	22.23	24.0
Channel				165300	167300	169300	MPR
Frequency (MHz)				826.5	836.5	846.5	(dB)
5	PI2 BPSK	1	1	22.33	22.16	22.12	24.0

n7_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI2 BPSK	1	1	24.60	24.64	24.62	
40	PI2 BPSK	1	108	24.50	24.61	24.58	26.0
40	PI2 BPSK	1	214	24.59	24.60	24.59	
40	PI2 BPSK	108	0	24.55	24.51	24.38	25.5
40	PI2 BPSK	108	54	24.65	24.62	24.56	26.0
40	PI2 BPSK	108	108	24.58	24.52	24.52	
40	PI2 BPSK	216	0	24.46	24.54	24.36	25.5
40	QPSK	1	1	24.10	24.61	24.61	
40	QPSK	1	108	24.47	24.61	24.58	26.0
40	QPSK	1	214	24.44	24.63	24.53	
40	QPSK	108	0	24.47	24.49	24.46	25.0
40	QPSK	108	54	24.57	24.59	24.52	26.0
40	QPSK	108	108	24.45	24.47	24.36	
40	QPSK	216	0	24.17	24.11	24.26	25.0
40	16QAM	1	1	24.48	24.36	24.27	25.0
40	64QAM	1	1	22.97	22.98	22.60	23.5
40	256QAM	1	1	20.96	20.97	20.75	21.5
Channel				503000	507000	511000	MPR
Frequency (MHz)				2515	2535	2555	(dB)
30	PI2 BPSK	1	1	24.53	24.59	24.58	26.0
Channel				502500	507000	511500	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dB)
25	PI2 BPSK	1	1	24.47	24.59	24.55	26.0
Channel				502000	507000	512000	MPR
Frequency (MHz)				2510	2535	2560	(dB)
20	PI2 BPSK	1	1	24.50	24.56	24.53	26.0
Channel				501500	507000	512500	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dB)
15	PI2 BPSK	1	1	24.50	24.64	24.57	26.0
Channel				501000	507000	513000	MPR
Frequency (MHz)				2505	2535	2565	(dB)
10	PI2 BPSK	1	1	24.46	24.61	24.53	25.0
Channel				500500	507000	513500	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dB)
5	PI2 BPSK	1	1	24.43	24.58	24.52	26.0

n7_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI2 BPSK	1	1	16.91	16.95	16.92	
40	PI2 BPSK	1	108	16.84	16.88	16.79	18.5
40	PI2 BPSK	1	214	16.90	16.84	16.90	
40	PI2 BPSK	108	0	16.77	16.87	16.85	18.5
40	PI2 BPSK	108	54	16.88	16.93	16.95	18.5
40	PI2 BPSK	108	108	16.85	16.86	16.81	
40	PI2 BPSK	216	0	16.86	16.90	16.85	18.5
40	QPSK	1	1	16.83	16.91	16.82	
40	QPSK	1	108	16.94	16.91	16.93	18.5
40	QPSK	1	214	16.93	16.94	16.87	
40	QPSK	108	0	16.90	16.93	16.84	18.5
40	QPSK	108	54	16.89	16.88	16.91	18.5
40	QPSK	108	108	16.80	16.94	16.85	
40	QPSK	216	0	16.93	16.93	16.90	18.5
40	16QAM	1	1	16.93	16.89	16.82	18.5
40	64QAM	1	1	16.92	16.93	16.94	18.5
40	256QAM	1	1	16.88	16.92	16.88	18.5
Channel				503000	507000	511000	MPR
Frequency (MHz)				2515	2535	2555	(dB)
30	PI2 BPSK	1	1	16.82	16.91	16.85	18.5
Channel				502500	507000	511500	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dB)
25	PI2 BPSK	1	1	16.91	16.91	16.93	18.5
Channel				502000	507000	512000	MPR
Frequency (MHz)				2510	2535	2560	(dB)
20	PI2 BPSK	1	1	16.86	16.86	16.89	18.5
Channel				501500	507000	512500	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dB)
15	PI2 BPSK	1	1	16.85	16.85	16.92	18.5
Channel				501000	507000	513000	MPR
Frequency (MHz)				2505	2535	2565	(dB)
10	PI2 BPSK	1	1	16.86	16.92	16.93	18.5
Channel				500500	507000	513500	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dB)
5	PI2 BPSK	1	1	16.89	16.90	16.91	18.5



n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PV2 BPSK	1	1	25.01	24.95	24.90	26.0	0.0	
40	PV2 BPSK	1	108	24.91	24.86	24.89			
40	PV2 BPSK	1	214	24.86	24.92	24.86			
40	PV2 BPSK	108	0	24.91	24.81	24.83			
40	PV2 BPSK	108	54	24.97	24.88	24.94	26.0	0.0	
40	PV2 BPSK	108	108	24.88	24.87	24.88	25.5	0.5	
40	PV2 BPSK	216	0	24.93	24.90	24.87			
40	QPSK	1	1	24.98	24.89	24.95			
40	QPSK	1	108	24.93	24.87	24.93			
40	QPSK	1	214	24.94	24.86	24.94	26.0	0.0	
40	QPSK	108	0	24.41	24.37	24.39			
40	QPSK	108	54	24.93	24.88	24.95			
40	QPSK	108	108	24.47	24.44	24.45			
40	QPSK	216	0	24.41	24.46	24.35	25.0	1.0	
40	16QAM	1	1	24.74	24.64	24.65	25.0	1.0	
40	64QAM	1	1	23.13	23.07	23.08			
40	256QAM	1	1	20.95	20.85	20.85			
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	24.99	24.85	24.89	26.0	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PV2 BPSK	1	1	24.92	24.85	24.84	26.0	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PV2 BPSK	1	1	24.89	24.77	24.82	26.0	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PV2 BPSK	1	1	24.92	24.83	24.87	26.0	0.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PV2 BPSK	1	1	25.01	24.95	24.90	26.0	0.0	
40	PV2 BPSK	1	108	24.91	24.86	24.89			
40	PV2 BPSK	1	214	24.86	24.92	24.86			
40	PV2 BPSK	108	0	24.91	24.81	24.83			
40	PV2 BPSK	108	54	24.97	24.88	24.94	26.0	0.0	
40	PV2 BPSK	108	108	24.88	24.87	24.88	25.5	0.5	
40	PV2 BPSK	216	0	24.93	24.90	24.87			
40	QPSK	1	1	24.98	24.89	24.95			
40	QPSK	1	108	24.93	24.87	24.93			
40	QPSK	1	214	24.94	24.86	24.84	26.0	0.0	
40	QPSK	108	0	24.41	24.37	24.39			
40	QPSK	108	54	24.93	24.88	24.95			
40	QPSK	108	108	24.47	24.44	24.45			
40	QPSK	216	0	24.41	24.46	24.35	25.0	1.0	
40	16QAM	1	1	24.74	24.64	24.65	25.0	1.0	
40	64QAM	1	1	23.13	23.07	23.08			
40	256QAM	1	1	20.95	20.85	20.85			
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PV2 BPSK	1	1	24.99	24.85	24.89	26.0	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PV2 BPSK	1	1	24.92	24.85	24.84	26.0	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PV2 BPSK	1	1	24.89	24.77	24.82	26.0	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PV2 BPSK	1	1	24.92	24.83	24.87	26.0	0.0	

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				136600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PV2 BPSK	1	1	24.58	24.67	24.64	26.0	0.0	
20	PV2 BPSK	1	53	24.55	24.66	24.62			
20	PV2 BPSK	1	104	24.54	24.15	24.05			
20	PV2 BPSK	50	0	24.52	24.64	24.21			
20	PV2 BPSK	50	28	24.57	24.65	24.35	25.5	0.5	
20	PV2 BPSK	50	56	24.50	24.34	23.66	25.5	0.5	
20	PV2 BPSK	100	0	24.61	24.62	24.10			
20	QPSK	1	1	24.55	24.63	24.65			
20	QPSK	1	53	24.62	24.65	24.05			
20	QPSK	1	104	24.58	24.13	24.07	26.0	0.0	
20	QPSK	50	0	24.09	24.15	24.00	25.0	1.0	
20	QPSK	50	28	24.56	24.64	24.08	26.0	0.0	
20	QPSK	50	56	24.19	23.78	23.67	25.0	1.0	
20	QPSK	100	0	24.15	24.07	23.59			
20	16QAM	1	1	24.25	24.38	24.44			
20	64QAM	1	1	22.71	22.80	22.86			
20	256QAM	1	1	20.45	20.56	20.65	21.5	4.5	
Channel				134100	136100	138100	tune-up limit (dBm)	MPR	
Frequency (MHz)				670.5	680.5	690.5			
15	PV2 BPSK	1	1	24.52	24.66	24.47	26.0	0.0	
Channel				133600	136100	138600	tune-up limit (dBm)	MPR	
Frequency (MHz)				666	680.5	695			
10	PV2 BPSK	1	1	24.47	24.59	24.44	26.0	0.0	
Channel				133100	136100	139100	tune-up limit (dBm)	MPR	
Frequency (MHz)				665.5	680.5	695.5			
5	PV2 BPSK	1	1	24.49	24.57	24.42	26.0	0.0	

n71_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	139100	137600		
Frequency (MHz)				673	690.5	688		
20	PI/2 BPSK	1	1	24.58	24.67	24.64	26.0	0.0
20	PI/2 BPSK	1	53	24.55	24.66	24.02		
20	PI/2 BPSK	1	104	24.54	24.15	24.05		
20	PI/2 BPSK	50	0	24.52	24.64	24.21	25.5	0.5
20	PI/2 BPSK	50	28	24.57	24.65	24.35	26.0	0.0
20	PI/2 BPSK	50	53	24.50	24.34	23.96	25.5	0.5
20	PI/2 BPSK	100	0	24.61	24.62	24.10		
20	QPSK	1	1	24.55	24.63	24.65	26.0	0.0
20	QPSK	1	53	24.62	24.65	24.05		
20	QPSK	1	104	24.58	24.13	24.07		
20	QPSK	50	0	24.09	24.15	24.00	25.0	1.0
20	QPSK	50	28	24.56	24.64	24.08	26.0	0.0
20	QPSK	50	56	24.19	23.78	23.67	25.0	1.0
20	QPSK	100	0	24.15	24.07	23.99		
20	16QAM	1	1	24.25	24.36	24.44	25.0	1.0
20	64QAM	1	1	22.71	22.80	22.86	23.5	2.5
20	256QAM	1	1	20.45	20.56	20.65	21.5	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	690.5	690.5		
15	PI/2 BPSK	1	1	24.52	24.66	24.47	26.0	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				666	690.5	693		
10	PI/2 BPSK	1	1	24.47	24.59	24.44	26.0	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	690.5	695.5		
5	PI/2 BPSK	1	1	24.49	24.57	24.42	26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	P12 BPSK	1	1	18.81	18.65	18.57		
100	P12 BPSK	1	137	18.46	18.40	18.50	20.0	0.0
100	P12 BPSK	1	271	18.37	18.47	18.54		
100	P12 BPSK	135	0	18.63	18.48	18.45	20.0	0.0
100	P12 BPSK	135	69	18.66	18.63	18.58	20.0	0.0
100	P12 BPSK	135	138	18.37	18.39	18.47	20.0	0.0
100	P12 BPSK	270	0	18.64	18.61	18.55		
100	QPSK	1	1	18.61	18.55	18.54		
100	QPSK	1	137	18.58	18.52	18.58	20.0	0.0
100	QPSK	1	271	18.49	18.52	18.53		
100	QPSK	135	0	18.59	18.55	18.59		
100	QPSK	135	69	18.52	18.51	18.54	20.0	0.0
100	QPSK	135	138	18.34	18.42	18.33		
100	QPSK	270	0	18.45	18.49	18.56	20.0	0.0
100	16QAM	1	1	18.71	18.77	18.53	20.0	0.0
100	64QAM	1	1	18.57	18.67	18.64	20.0	0.0
100	256QAM	1	1	18.44	18.50	18.59	20.0	0.0
Channel				649934	650000	650066	limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	P12 BPSK	1	1	18.69	18.47	18.49	20.0	0.0
Channel				649334	650000	652666	limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	P12 BPSK	1	1	18.55	18.47	18.50	20.0	0.0
Channel				649000	650000	663000	limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	P12 BPSK	1	1	18.58	18.75	18.40	20.0	0.0
Channel				648968	650000	663332	limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	P12 BPSK	1	1	18.67	18.74	18.33	20.0	0.0
Channel				648334	650000	663666	limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	P12 BPSK	1	1	18.71	18.53	18.39	20.0	0.0
Channel				648000	650000	664000	limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	P12 BPSK	1	1	18.55	18.55	18.29	20.0	0.0
Channel				647668	650000	664332	limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	P12 BPSK	1	1	18.57	18.68	18.40	20.0	0.0
Channel				647334	650000	664666	limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	P12 BPSK	1	1	18.64	18.49	18.51	20.0	0.0
Channel				647000	650000	664992	limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	P12 BPSK	1	1	18.55	18.72	18.56	20.0	0.0
Channel				647000	650000	665000	limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	P12 BPSK	1	1	18.78	18.73	18.40	20.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	P12 BPSK	1	1	21.85	21.80	21.70		
100	P12 BPSK	1	137	21.69	21.71	21.69	23.0	0.0
100	P12 BPSK	1	271	21.66	21.70	21.64		
100	P12 BPSK	135	0	21.58	21.64	21.61	23.0	0.0
100	P12 BPSK	135	69	21.83	21.81	21.69	23.0	0.0
100	P12 BPSK	135	138	21.71	21.65	21.66	23.0	0.0
100	P12 BPSK	270	0	21.81	21.80	21.65		
100	QPSK	1	1	21.77	21.67	21.57		
100	QPSK	1	137	21.68	21.71	21.56	23.0	0.0
100	QPSK	1	271	21.61	21.65	21.79		
100	QPSK	135	0	21.50	21.64	21.61		
100	QPSK	135	69	21.75	21.66	21.60	23.0	0.0
100	QPSK	135	138	21.53	21.65	21.60		
100	QPSK	270	0	21.62	21.61	21.57	23.0	0.0
100	16QAM	1	1	21.70	21.72	21.65	23.0	0.0
100	64QAM	1	1	21.73	21.78	21.77	23.0	0.0
100	256QAM	1	1	21.56	21.63	21.60	23.0	0.0
Channel				649668	650000	652332	limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	P12 BPSK	1	1	21.88	21.75	21.59	23.0	0.0
Channel				649000	650000	662666	limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	P12 BPSK	1	1	21.69	21.78	21.48	23.0	0.0
Channel				649000	650000	663000	limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	P12 BPSK	1	1	21.73	21.71	21.52	23.0	0.0
Channel				648668	650000	663332	limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	P12 BPSK	1	1	21.75	21.74	21.50	23.0	0.0
Channel				648334	650000	663666	limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	P12 BPSK	1	1	21.76	21.77	21.67	23.0	0.0
Channel				648000	650000	664000	limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	P12 BPSK	1	1	21.80	21.72	21.67	23.0	0.0
Channel				647668	650000	664332	limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	P12 BPSK	1	1	21.75	21.72	21.54	23.0	0.0
Channel				647334	650000	664666	limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	P12 BPSK	1	1	21.79	21.75	21.67	23.0	0.0
Channel				647168	650000	664992	limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	P12 BPSK	1	1	21.73	21.71	21.50	23.0	0.0
Channel				647000	650000	665000	limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	P12 BPSK	1	1	21.75	21.70	21.59	23.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	P12 BPSK	1	1	24.91	24.85	24.79		
100	P12 BPSK	1	137	24.90	24.81	24.72	26.0	0.0
100	P12 BPSK	1	271	24.76	24.83	24.73		
100	P12 BPSK	135	0	24.40	24.75	24.66	26.0	0.0
100	P12 BPSK	135	69	24.88	24.83	24.77	26.0	0.0
100	P12 BPSK	135	138	24.76	24.78	24.74	26.0	0.0
100	P12 BPSK	270	0	24.87	24.82	24.73		
100	QPSK	1	1	24.89	24.81	24.69		
100	QPSK	1	137	24.90	24.79	24.72	26.0	0.0
100	QPSK	1	271	24.77	24.83	24.76		
100	QPSK	135	0	24.66	24.75	24.63		
100	QPSK	135	69	24.85	24.73	24.77	26.0	0.0
100	QPSK	135	138	24.74	24.72	24.70		
100	QPSK	270	0	24.81	24.74	24.71	26.0	0.0
100	16QAM	1	1	24.78	24.67	24.72	26.0	0.0
100	64QAM	1	1	24.06	24.02	24.01	25.0	1.0
100	256QAM	1	1	21.96	21.87	21.78	23.0	3.0
Channel				649668	650000	662332	limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	P12 BPSK	1	1	24.85	24.83	24.81	26.0	0.0
Channel				649334	650000	662666	limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	P12 BPSK	1	1	24.75	24.61	24.53	26.0	0.0
Channel				649000	650000	663000	limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	P12 BPSK	1	1	24.83	24.56	24.55	26.0	0.0
Channel				648668	650000	663332	limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	P12 BPSK	1	1	24.82	24.59	24.53	26.0	0.0
Channel				648334	650000	663666	limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	P12 BPSK	1	1	24.77	24.59	24.51	26.0	0.0
Channel				648000	650000	664000	limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	P12 BPSK	1	1	24.75	24.62	24.54	26.0	0.0
Channel				647668	650000	664332	limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	P12 BPSK	1	1	24.80	24.58	24.54	26.0	0.0
Channel				647334	650000	664666	limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	P12 BPSK	1	1	24.78	24.60	24.55	26.0	0.0
Channel				647000	650000	664999	limit (dBm)	MPR (dB)
Frequency (MHz)				3707.50	3840	3972.48		
15	P12 BPSK	1	1	24.77	24.57	24.58	26.0	0.0
Channel				647000	650000	665000	limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	P12 BPSK	1	1	24.83	24.53	24.52	26.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	24.91	24.99	24.79		
100	PI2 BPSK	1	137	24.90	24.81	24.72	26.0	0.0
100	PI2 BPSK	1	271	24.76	24.83	24.73		
100	PI2 BPSK	135	0	24.40	24.75	24.66	26.0	0.0
100	PI2 BPSK	135	69	24.88	24.83	24.77	26.0	0.0
100	PI2 BPSK	135	138	24.76	24.78	24.74	26.0	0.0
100	PI2 BPSK	270	0	24.67	24.82	24.73	26.0	0.0
100	QPSK	1	1	24.89	24.81	24.69		
100	QPSK	1	137	24.90	24.79	24.72	26.0	0.0
100	QPSK	1	271	24.77	24.83	24.76		
100	QPSK	135	0	24.66	24.75	24.63		
100	QPSK	135	69	24.85	24.73	24.77	26.0	0.0
100	QPSK	135	138	24.74	24.72	24.70		
100	QPSK	270	0	24.81	24.74	24.71	26.0	0.0
100	16QAM	1	1	24.78	24.67	24.72	26.0	0.0
100	64QAM	1	1	24.06	24.02	24.01	25.0	1.0
100	256QAM	1	1	21.96	21.87	21.78	23.0	3.0
Channel				649993	650000	650332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI2 BPSK	1	1	24.85	24.83	24.81	26.0	0.0
Channel				649334	650000	650666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI2 BPSK	1	1	24.75	24.61	24.53	26.0	0.0
Channel				649000	650000	651000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI2 BPSK	1	1	24.83	24.56	24.55	26.0	0.0
Channel				648668	650000	651332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI2 BPSK	1	1	24.82	24.59	24.53	26.0	0.0
Channel				648334	650000	651666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI2 BPSK	1	1	24.77	24.59	24.51	26.0	0.0
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	24.75	24.62	24.54	26.0	0.0
Channel				647668	650000	652332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI2 BPSK	1	1	24.80	24.58	24.54	26.0	0.0
Channel				647334	650000	652666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI2 BPSK	1	1	24.78	24.60	24.55	26.0	0.0
Channel				647168	650000	652832	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI2 BPSK	1	1	24.77	24.57	24.58	26.0	0.0
Channel				647000	650000	653000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI2 BPSK	1	1	24.83	24.53	24.52	26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI2 BPSK	1	1		18.90			
100	PI2 BPSK	1	137		18.75		20.0	0.0
100	PI2 BPSK	1	271		18.81			
100	PI2 BPSK	135	0		18.71		20.0	0.0
100	PI2 BPSK	135	69		18.73		20.0	0.0
100	PI2 BPSK	135	138		18.58		20.0	0.0
100	PI2 BPSK	270	0		18.75		20.0	0.0
100	QPSK	1	1		18.72			
100	QPSK	1	137		18.77		20.0	0.0
100	QPSK	1	271		18.67			
100	QPSK	135	0		18.74			
100	QPSK	135	69		18.59		20.0	0.0
100	QPSK	135	138		18.63			
100	QPSK	270	0		18.65		20.0	0.0
100	16QAM	1	1		18.78		20.0	0.0
100	64QAM	1	1		18.72		20.0	0.0
100	256QAM	1	1		18.73		20.0	0.0
Channel				649988	650000	650332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1	18.73	18.85	18.72	20.0	0.0
Channel				649334	650000	650666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	18.54	18.79	18.73	20.0	0.0
Channel				649000	650000	651000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI2 BPSK	1	1	18.67	18.66	18.54	20.0	0.0
Channel				648668	650000	651332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	18.64	18.67	18.78	20.0	0.0
Channel				648334	650000	651666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI2 BPSK	1	1	18.55	18.72	18.77	20.0	0.0
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI2 BPSK	1	1	18.75	18.73	18.71	20.0	0.0
Channel				647668	650000	652332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI2 BPSK	1	1	18.73	18.68	18.70	20.0	0.0
Channel				647334	650000	652666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI2 BPSK	1	1	18.72	18.61	18.64	20.0	0.0
Channel				647168	650000	652832	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI2 BPSK	1	1	18.69	18.74	18.71	20.0	0.0
Channel				647000	650000	653000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI2 BPSK	1	1	18.66	18.62	18.77	20.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI2 BPSK	1	1		21.82		23.0	0.0
100	PI2 BPSK	1	137		21.78			
100	PI2 BPSK	1	271		21.67			
100	PI2 BPSK	135	0		21.76		23.0	0.0
100	PI2 BPSK	135	69		21.72		23.0	0.0
100	PI2 BPSK	135	138		21.68		23.0	0.0
100	PI2 BPSK	270	0		21.64			
100	QPSK	1	1		21.75			
100	QPSK	1	137		21.78		23.0	0.0
100	QPSK	1	271		21.69			
100	QPSK	135	0		21.74			
100	QPSK	135	69		21.73		23.0	0.0
100	QPSK	135	138		21.66			
100	QPSK	270	0		21.62			
100	16QAM	1	1		21.72		23.0	0.0
100	64QAM	1	1		21.66		23.0	0.0
100	256QAM	1	1		21.77		23.0	0.0
Channel				649965	650000	650332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1	21.68	21.65	21.81	23.0	0.0
Channel				649334	650000	650666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	21.65	21.80	21.66	23.0	0.0
Channel				649000	650000	651000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI2 BPSK	1	1	21.73	21.65	21.81	23.0	0.0
Channel				648668	650000	651332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	21.80	21.70	21.74	23.0	0.0
Channel				648334	650000	651666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI2 BPSK	1	1	21.81	21.74	21.78	23.0	0.0
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI2 BPSK	1	1	21.84	21.81	21.76	23.0	0.0
Channel				647668	650000	652332	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI2 BPSK	1	1	21.79	21.74	21.71	23.0	0.0
Channel				647334	650000	652666	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI2 BPSK	1	1	21.73	21.71	21.75	23.0	0.0
Channel				647168	650000	652832	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI2 BPSK	1	1	21.68	21.71	21.75	23.0	0.0
Channel				647000	650000	653000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI2 BPSK	1	1	21.75	21.74	21.72	23.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PV2 BPSK	1	1		24.96				
100	PV2 BPSK	1	137		24.70		26.0	0.0	
100	PV2 BPSK	1	271		24.80				
100	PV2 BPSK	135	0		24.69		26.0	0.0	
100	PV2 BPSK	135	69		24.83		26.0	0.0	
100	PV2 BPSK	135	138		24.47				
100	PV2 BPSK	270	0		24.81		26.0	0.0	
100	QPSK	1	1		24.81				
100	QPSK	1	137		24.73		26.0	0.0	
100	QPSK	1	271		24.86				
100	QPSK	135	0		24.67				
100	QPSK	135	69		24.57		26.0	0.0	
100	QPSK	135	138		24.44				
100	QPSK	270	0		24.66		26.0	0.0	
100	16QAM	1	1		24.71		26.0	0.0	
100	64QAM	1	1		24.67		25.0	1.0	
100	256QAM	1	1		21.88		23.0	3.0	
Channel				649868	650000	650332	111.111° limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PV2 BPSK	1	1	24.77	24.76	24.78	26.0	0.0	
Channel				649334	650000	650666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PV2 BPSK	1	1	24.74	24.73	24.81	26.0	0.0	
Channel				649000	650000	651000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	PV2 BPSK	1	1	24.78	24.73	24.80	26.0	0.0	
Channel				648568	650000	651332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PV2 BPSK	1	1	24.82	24.79	24.78	26.0	0.0	
Channel				648334	650000	651666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PV2 BPSK	1	1	24.69	24.81	24.85	26.0	0.0	
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PV2 BPSK	1	1	24.84	24.76	24.82	26.0	0.0	
Channel				647668	650000	652332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	PV2 BPSK	1	1	24.83	24.75	24.78	26.0	0.0	
Channel				647334	650000	652666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PV2 BPSK	1	1	24.84	24.80	24.72	26.0	0.0	
Channel				647168	650000	652832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PV2 BPSK	1	1	24.81	24.68	24.84	26.0	0.0	
Channel				647000	650000	653000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PV2 BPSK	1	1	24.85	24.81	24.76	26.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PV2 BPSK	1	1		24.86				
100	PV2 BPSK	1	137		24.70		26.0	0.0	
100	PV2 BPSK	1	271		24.80				
100	PV2 BPSK	135	0		24.69		26.0	0.0	
100	PV2 BPSK	135	69		24.83		26.0	0.0	
100	PV2 BPSK	135	138		24.47				
100	PV2 BPSK	270	0		24.81		26.0	0.0	
100	QPSK	1	1		24.81				
100	QPSK	1	137		24.73		26.0	0.0	
100	QPSK	1	271		24.66				
100	QPSK	135	0		24.67				
100	QPSK	135	69		24.57		26.0	0.0	
100	QPSK	135	138		24.44				
100	QPSK	270	0		24.66		26.0	0.0	
100	16QAM	1	1		24.71		26.0	0.0	
100	64QAM	1	1		24.67		25.0	1.0	
100	256QAM	1	1		21.88		23.0	3.0	
Channel				649868	650000	650332	111.111° limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PV2 BPSK	1	1	24.77	24.76	24.78	26.0	0.0	
Channel				649334	650000	650666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PV2 BPSK	1	1	24.74	24.73	24.81	26.0	0.0	
Channel				649000	650000	651000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	PV2 BPSK	1	1	24.76	24.73	24.80	26.0	0.0	
Channel				648568	650000	651332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PV2 BPSK	1	1	24.82	24.79	24.78	26.0	0.0	
Channel				648334	650000	651666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PV2 BPSK	1	1	24.69	24.81	24.85	26.0	0.0	
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PV2 BPSK	1	1	24.84	24.76	24.82	26.0	0.0	
Channel				647668	650000	652332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	PV2 BPSK	1	1	24.83	24.75	24.78	26.0	0.0	
Channel				647334	650000	652666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PV2 BPSK	1	1	24.84	24.80	24.72	26.0	0.0	
Channel				647168	650000	652832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PV2 BPSK	1	1	24.81	24.68	24.84	26.0	0.0	
Channel				647000	650000	653000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PV2 BPSK	1	1	24.85	24.81	24.76	26.0	0.0	

ENDC Power for State 11

n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	24.39	24.52	24.37	26.0	0.0	
20	PI2 BPSK	1	53	24.24	24.48	24.16			
20	PI2 BPSK	1	104	24.38	24.38	24.08			
20	PI2 BPSK	50	0	24.18	24.44	24.20			
20	PI2 BPSK	50	28	24.26	24.49	24.27	26.0	0.0	
20	PI2 BPSK	50	56	24.23	24.48	24.05	25.5	0.5	
20	PI2 BPSK	100	0	24.18	24.47	24.20			
20	QPSK	1	1	24.28	24.49	24.41	26.0	0.0	
20	QPSK	1	53	24.27	24.51	24.14			
20	QPSK	1	104	24.45	24.43	24.13			
20	QPSK	50	0	24.21	24.42	24.24			
20	QPSK	50	28	24.19	24.49	24.09	26.0	0.0	
20	QPSK	50	56	24.27	24.44	24.07	25.0	1.0	
20	QPSK	100	0	24.19	24.47	24.20			
20	16QAM	1	1	24.46	24.47	24.49	25.0	1.0	
20	64QAM	1	1	22.92	22.97	22.99	23.5	2.5	
20	256QAM	1	1	20.74	20.85	20.84	21.5	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	26.0 <td colspan="2">0.0</td>	0.0	
15	PI2 BPSK	1	1	24.34	24.51	24.29	26.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	26.0 <td colspan="2">0.0</td>	0.0	
10	PI2 BPSK	1	1	24.26	24.49	24.19	26.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	26.0 <td colspan="2">0.0</td>	0.0	
5	PI2 BPSK	1	1	24.30	24.45	24.26	26.0	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	18.29	18.40	18.38	20.0	0.0	
20	PI2 BPSK	1	53	18.18	18.33	18.25			
20	PI2 BPSK	1	104	18.15	18.37	18.20			
20	PI2 BPSK	50	0	18.24	18.29	18.23			
20	PI2 BPSK	50	28	18.25	18.36	18.33	20.0	0.0	
20	PI2 BPSK	50	56	18.16	18.32	18.30	20.0	0.0	
20	PI2 BPSK	100	0	18.20	18.25	18.10			
20	QPSK	1	1	18.24	18.37	18.31	20.0	0.0	
20	QPSK	1	53	18.33	18.35	18.28			
20	QPSK	1	104	18.26	18.24	18.34			
20	QPSK	50	0	18.29	18.23	18.21			
20	QPSK	50	28	18.22	18.36	18.36	20.0	0.0	
20	QPSK	50	56	18.26	18.34	18.15	20.0	0.0	
20	QPSK	100	0	18.27	18.35	18.16			
20	16QAM	1	1	18.14	18.26	18.24	20.0	0.0	
20	64QAM	1	1	18.28	18.31	18.27	20.0	0.0	
20	256QAM	1	1	18.32	18.34	18.20	20.0	0.0	
Channel				371500	376000	380500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	20.0 <td colspan="2">0.0</td>	0.0	
15	PI2 BPSK	1	1	18.07	18.33	18.32	20.0	0.0	
Channel				371000	376000	381000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	20.0 <td colspan="2">0.0</td>	0.0	
10	PI2 BPSK	1	1	18.01	18.19	18.30	20.0	0.0	
Channel				370500	376000	381500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	20.0	0.0	
5	PI2 BPSK	1	1	18.05	18.29	18.32	20.0	0.0	

n5_Ant 0									
BW [MHz]	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			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	24.32	24.41	24.26	26.0	0.0	
20	PI2 BPSK	1	53	24.15	24.12	24.09			
20	PI2 BPSK	1	104	24.03	24.10	24.03			
20	PI2 BPSK	50	0	24.23	24.18	24.16			
20	PI2 BPSK	50	28	24.30	24.32	24.24	26.0	0.0	
20	PI2 BPSK	50	56	24.15	24.09	24.08	25.5	0.5	
20	PI2 BPSK	100	0	24.26	24.28	24.16			
20	QPSK	1	1	24.38	24.36	24.30	26.0	0.0	
20	QPSK	1	53	24.24	24.17	24.17			
20	QPSK	1	104	24.11	24.13	24.10			
20	QPSK	50	0	24.31	24.26	24.24			
20	QPSK	50	28	24.22	24.18	24.16	25.0	1.0	
20	QPSK	50	56	24.16	24.10	24.08	25.0	1.0	
20	QPSK	100	0	24.28	24.19	24.16			
20	16QAM	1	1	24.40	24.37	24.35	25.0	1.0	
20	64QAM	1	1	22.95	22.99	22.92	23.5	2.5	
20	256QAM	1	1	20.90	20.84	20.78	21.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	26.0		
15	PI2 BPSK	1	1	24.39	24.28	24.27	26.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	26.0		
10	PI2 BPSK	1	1	24.33	24.19	24.24	26.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	26.0		
5	PI2 BPSK	1	1	24.34	24.25	24.19	26.0	0.0	



n5_Ant 2								
BW [MHz]	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	21.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	19.36	19.39	19.18	21.0	0.0
20	PI2 BPSK	1	53	19.19	19.03	19.06		
20	PI2 BPSK	1	104	19.08	19.08	19.13		
20	PI2 BPSK	50	0	19.19	19.22	19.12	21.0	0.0
20	PI2 BPSK	50	28	19.21	19.25	19.15		
20	PI2 BPSK	50	56	19.03	19.11	19.05		
20	PI2 BPSK	100	0	19.09	19.10	19.07	21.0	0.0
20	QPSK	1	1	19.18	19.37	19.35		
20	QPSK	1	53	19.08	19.17	19.23		
20	QPSK	1	104	19.16	19.06	19.12	21.0	0.0
20	QPSK	50	0	19.19	19.24	19.16		
20	QPSK	50	28	19.24	19.17	19.05		
20	QPSK	50	56	19.16	19.19	19.09	21.0	0.0
20	QPSK	100	0	19.11	19.17	19.21		
20	16QAM	1	1	19.27	19.28	19.35		
20	64QAM	1	1	19.25	19.34	19.32	21.0	0.0
20	256QAM	1	1	19.28	19.38	19.30		
Channel				166300	167300	168300	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	21.0	0.0
15	PI2 BPSK	1	1	19.35	19.12	19.09		
Channel				165800	167300	168800	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	21.0	0.0
10	PI2 BPSK	1	1	19.23	19.10	19.04		
Channel				165300	167300	166300	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	21.0	0.0
5	PI2 BPSK	1	1	19.20	19.15	19.10		

n7_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	24.60	24.64	24.62	26.0	0.0
40	PI2 BPSK	1	108	24.50	24.61	24.58		
40	PI2 BPSK	1	214	24.59	24.60	24.59		
40	PI2 BPSK	108	0	24.55	24.51	24.38	25.5	0.5
40	PI2 BPSK	108	54	24.60	24.62	24.56		
40	PI2 BPSK	108	108	24.58	24.55	24.52		
40	PI2 BPSK	216	0	24.46	24.54	24.36	25.5	0.5
40	QPSK	1	1	24.10	24.61	24.61		
40	QPSK	1	108	24.47	24.61	24.58		
40	QPSK	1	214	24.44	24.63	24.53	25.0	1.0
40	QPSK	108	0	24.47	24.49	24.46		
40	QPSK	108	54	24.57	24.59	24.52		
40	QPSK	108	108	24.45	24.47	24.36	25.0	1.0
40	QPSK	216	0	24.17	24.11	24.26		
40	16QAM	1	1	24.48	24.36	24.27		
40	64QAM	1	1	22.97	22.98	22.60	23.5	2.5
40	256QAM	1	1	20.96	20.97	20.75		
Channel				503000	507000	511000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	26.0	0.0
30	PI2 BPSK	1	1	24.53	24.59	24.58		
Channel				502500	507000	511500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	26.0	0.0
25	PI2 BPSK	1	1	24.47	24.59	24.55		
Channel				502000	507000	512000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	26.0	0.0
20	PI2 BPSK	1	1	24.50	24.56	24.53		
Channel				501500	507000	512500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	26.0	0.0
15	PI2 BPSK	1	1	24.50	24.64	24.57		
Channel				501000	507000	513000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	25.0	0.0
10	PI2 BPSK	1	1	24.46	24.61	24.53		
Channel				500500	507000	513500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	26.0	0.0
5	PI2 BPSK	1	1	24.43	24.58	24.52		

n7_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	14.02	14.08	14.05	15.5	0.0
40	PI2 BPSK	1	108	13.74	13.92	13.91		
40	PI2 BPSK	1	214	13.70	13.80	13.63		
40	PI2 BPSK	108	0	13.69	13.77	13.65	15.5	0.0
40	PI2 BPSK	108	54	13.62	14.05	13.62		
40	PI2 BPSK	108	108	13.67	13.94	13.71		
40	PI2 BPSK	216	0	13.65	13.96	13.68	15.5	0.0
40	QPSK	1	1	13.81	13.84	13.84		
40	QPSK	1	108	13.87	13.97	13.77		
40	QPSK	1	214	13.77	13.85	13.66	15.5	0.0
40	QPSK	108	0	13.76	13.82	13.72		
40	QPSK	108	54	13.65	13.77	13.60		
40	QPSK	108	108	13.69	13.85	13.69	15.5	0.0
40	QPSK	216	0	13.73	13.91	13.83		
40	16QAM	1	1	14.04	14.06	13.95		
40	64QAM	1	1	13.98	13.92	14.06	15.5	0.0
40	256QAM	1	1	13.89	13.96	13.89		
Channel				503000	507000	511000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	15.5	0.0
30	PI2 BPSK	1	1	13.82	13.91	14.00		
Channel				502500	507000	511500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	15.5	0.0
25	PI2 BPSK	1	1	13.83	13.97	13.96		
Channel				502000	507000	512000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	15.5	0.0
20	PI2 BPSK	1	1	13.96	13.97	13.89		
Channel				501500	507000	512500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	15.5	0.0
15	PI2 BPSK	1	1	14.01	14.01	13.93		
Channel				501000	507000	513000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	15.5	0.0
10	PI2 BPSK	1	1	13.83	14.01	13.89		
Channel				500500	507000	513500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	15.5	0.0
5	PI2 BPSK	1	1	14.01	14.06	13.97		



n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	25.01	24.95	24.90			
40	PI2 BPSK	1	108	24.91	24.86	24.89	26.0	0.0	
40	PI2 BPSK	1	214	24.86	24.92	24.86			
40	PI2 BPSK	108	0	24.91	24.81	24.83	25.5	0.5	
40	PI2 BPSK	108	54	24.97	24.88	24.94	26.0	0.0	
40	PI2 BPSK	108	108	24.86	24.87	24.86			
40	PI2 BPSK	216	0	24.93	24.90	24.87	25.5	0.5	
40	QPSK	1	1	24.98	24.88	24.95			
40	QPSK	1	108	24.93	24.87	24.93	26.0	0.0	
40	QPSK	1	214	24.94	24.86	24.84			
40	QPSK	108	0	24.41	24.37	24.39	25.0	1.0	
40	QPSK	108	54	24.93	24.88	24.95	26.0	0.0	
40	QPSK	108	108	24.47	24.44	24.45			
40	QPSK	216	0	24.41	24.46	24.35	25.0	1.0	
40	16QAM	1	1	24.74	24.64	24.65	25.0	1.0	
40	64QAM	1	1	23.13	23.07	23.08	23.5	2.5	
40	256QAM	1	1	20.95	20.85	20.85	21.5	4.5	
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	24.99	24.85	24.89	26.0	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	24.92	24.85	24.84	26.0	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	24.89	24.77	24.82	26.0	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	1	24.82	24.83	24.87	26.0	0.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	21.94	21.95	21.97			
40	PI2 BPSK	1	108	21.72	21.82	21.77	23.0	0.0	
40	PI2 BPSK	1	214	21.83	21.84	21.74			
40	PI2 BPSK	108	S	21.81	21.87	21.70	23.0	0.0	
40	PI2 BPSK	108	54	21.92	21.93	21.86	23.0	0.0	
40	PI2 BPSK	108	108	21.86	21.91	21.83			
40	PI2 BPSK	216	0	21.75	21.85	21.87	23.0	0.0	
40	QPSK	1	1	21.84	21.81	21.90			
40	QPSK	1	108	21.89	21.84	21.92	23.0	0.0	
40	QPSK	1	214	21.84	21.91	21.79			
40	QPSK	108	0	21.93	21.92	21.77	23.0	0.0	
40	QPSK	108	54	21.86	21.83	21.80	23.0	0.0	
40	QPSK	108	108	21.93	21.88	21.76			
40	QPSK	216	0	21.89	21.94	21.83	23.0	0.0	
40	16QAM	1	1	21.81	21.85	21.79	23.0	0.0	
40	64QAM	1	1	21.88	21.82	21.79	23.0	0.0	
40	256QAM	1	1	20.43	20.54	20.38	21.5	1.5	
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	PI2 BPSK	1	1	21.89	21.88	21.87	23.0	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI2 BPSK	1	1	21.84	21.80	21.75	23.0	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI2 BPSK	1	1	21.90	21.89	21.84	23.0	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI2 BPSK	1	1	21.75	21.80	21.75	23.0	0.0	

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				136600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	24.58	24.67	24.64			
20	PI2 BPSK	1	53	24.55	24.66	24.02	26.0	0.0	
20	PI2 BPSK	1	104	24.54	24.15	24.05			
20	PI2 BPSK	50	0	24.52	24.64	24.21	25.5	0.5	
20	PI2 BPSK	50	28	24.57	24.65	24.35	26.0	0.0	
20	PI2 BPSK	50	56	24.50	24.34	23.86			
20	PI2 BPSK	100	0	24.61	24.62	24.10	25.5	0.5	
20	QPSK	1	1	24.55	24.63	24.65			
20	QPSK	1	53	24.62	24.65	24.05	26.0	0.0	
20	QPSK	1	104	24.58	24.13	24.07			
20	QPSK	50	0	24.09	24.15	24.00	25.0	1.0	
20	QPSK	50	28	24.56	24.64	24.08	26.0	0.0	
20	QPSK	50	56	24.19	23.78	23.67			
20	QPSK	100	0	24.15	24.07	23.59	25.0	1.0	
20	16QAM	1	1	24.25	24.39	24.44	25.0	1.0	
20	64QAM	1	1	22.71	22.80	22.86	23.5	2.5	
20	256QAM	1	1	20.45	20.56	20.65	21.5	4.5	
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	PI2 BPSK	1	1	24.52	24.66	24.47	26.0	0.0	
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666	680.5	695			
10	PI2 BPSK	1	1	24.47	24.59	24.44	26.0	0.0	
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	PI2 BPSK	1	1	24.49	24.57	24.42	26.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	21.63	21.64	21.46	23.0	0.0
20	PI/2 BPSK	1	53	21.47	21.44	21.40		
20	PI/2 BPSK	1	104	21.22	21.29	21.32		
20	PI/2 BPSK	50	0	21.42	21.45	21.31	23.0	0.0
20	PI/2 BPSK	50	28	21.48	21.51	21.38	23.0	0.0
20	PI/2 BPSK	50	55	21.43	21.39	21.33	23.0	0.0
20	PI/2 BPSK	100	0	21.42	21.45	21.36		
20	QPSK	1	1	21.59	21.58	21.60		
20	QPSK	1	53	21.54	21.49	21.54	23.0	0.0
20	QPSK	1	104	21.28	21.29	21.28		
20	QPSK	50	0	21.57	21.55	21.48	23.0	0.0
20	QPSK	50	28	21.36	21.45	21.54	23.0	0.0
20	QPSK	50	56	21.24	21.32	21.25	23.0	0.0
20	QPSK	100	0	21.50	21.47	21.39		
20	16QAM	1	1	21.61	21.63	21.63	23.0	0.0
20	64QAM	1	1	21.59	21.57	21.56	23.0	0.0
20	256QAM	1	1	20.64	20.56	20.66	21.5	1.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	PI/2 BPSK	1	1	21.53	21.45	21.31	23.0	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	PI/2 BPSK	1	1	21.45	21.45	21.27	23.0	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	PI/2 BPSK	1	1	21.48	21.62	21.44	23.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.25	16.25	16.18		
100	PI2 BPSK	1	137	16.19	16.25	16.06	17.5	0.0
100	PI2 BPSK	1	271	16.19	16.24	16.11		
100	PI2 BPSK	135	0	16.03	16.19	16.18	17.5	0.0
100	PI2 BPSK	135	69	16.20	16.25	16.10	17.5	0.0
100	PI2 BPSK	135	138	16.15	16.19	15.99		
100	PI2 BPSK	270	0	16.06	16.25	16.19	17.5	0.0
100	QPSK	1	1	16.05	16.12	16.10		
100	QPSK	1	137	16.18	16.22	16.04	17.5	0.0
100	QPSK	1	271	16.05	16.21	16.17		
100	QPSK	135	0	16.18	16.23	16.22		
100	QPSK	135	69	16.13	16.18	16.16	17.5	0.0
100	QPSK	135	138	16.08	16.22	16.21		
100	QPSK	270	0	16.17	16.18	16.15	17.5	0.0
100	16QAM	1	1	16.06	16.24	16.16	17.5	0.0
100	64QAM	1	1	16.23	16.25	16.10	17.5	0.0
100	256QAM	1	1	16.18	16.19	15.99	17.5	0.0
Channel				649934	650000	650066	limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI2 BPSK	1	1	16.25	16.16	16.14	17.5	0.0
Channel				649334	650000	662666	limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI2 BPSK	1	1	16.18	16.08	16.05	17.5	0.0
Channel				649000	650000	663000	limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI2 BPSK	1	1	16.21	16.24	15.99	17.5	0.0
Channel				648668	650000	663332	limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI2 BPSK	1	1	16.10	16.15	16.12	17.5	0.0
Channel				648334	650000	663666	limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI2 BPSK	1	1	16.22	16.10	16.04	17.5	0.0
Channel				648000	650000	664000	limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	16.09	16.13	16.16	17.5	0.0
Channel				647668	650000	664332	limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI2 BPSK	1	1	16.15	16.18	16.15	17.5	0.0
Channel				647334	650000	664666	limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI2 BPSK	1	1	16.22	16.17	16.13	17.5	0.0
Channel				647000	650000	664992	limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI2 BPSK	1	1	16.05	16.10	16.17	17.5	0.0
Channel				647000	650000	665000	limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI2 BPSK	1	1	16.23	16.11	15.98	17.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.77	16.82	16.66		
100	PI2 BPSK	1	137	16.72	16.78	16.61	20.0	0.0
100	PI2 BPSK	1	271	16.49	16.68	16.60		
100	PI2 BPSK	135	0	16.58	16.71	16.53	20.0	0.0
100	PI2 BPSK	135	69	16.65	16.72	16.63	20.0	0.0
100	PI2 BPSK	135	138	16.47	16.64	16.64	20.0	0.0
100	PI2 BPSK	270	0	16.69	16.75	16.70	20.0	0.0
100	QPSK	1	1	16.61	16.75	16.62		
100	QPSK	1	137	16.56	16.72	16.54	20.0	0.0
100	QPSK	1	271	16.61	16.79	16.65		
100	QPSK	135	0	16.65	16.65	16.53		
100	QPSK	135	69	16.62	16.74	16.60	20.0	0.0
100	QPSK	135	138	16.49	16.64	16.58		
100	QPSK	270	0	16.60	16.60	16.56	20.0	0.0
100	16QAM	1	1	16.68	16.78	16.67	20.0	0.0
100	64QAM	1	1	16.69	16.75	16.75	20.0	0.0
100	256QAM	1	1	16.50	16.69	16.59	20.0	0.0
Channel				649668	650000	662332	limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI2 BPSK	1	1	16.61	16.62	16.59	20.0	0.0
Channel				649334	650000	662666	limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI2 BPSK	1	1	16.62	16.63	16.43	20.0	0.0
Channel				649000	650000	663000	limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI2 BPSK	1	1	16.62	16.70	16.52	20.0	0.0
Channel				648668	650000	663332	limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI2 BPSK	1	1	16.62	16.61	16.59	20.0	0.0
Channel				648334	650000	663666	limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI2 BPSK	1	1	16.61	16.59	16.53	20.0	0.0
Channel				648000	650000	664000	limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	16.57	16.65	16.54	20.0	0.0
Channel				647668	650000	664332	limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI2 BPSK	1	1	16.59	16.68	16.59	20.0	0.0
Channel				647334	650000	664666	limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI2 BPSK	1	1	16.72	16.58	16.58	20.0	0.0
Channel				647000	650000	664992	limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI2 BPSK	1	1	16.57	16.60	16.53	20.0	0.0
Channel				647000	650000	665000	limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI2 BPSK	1	1	16.60	16.72	16.56	20.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	24.91	24.85	24.79		
100	PI2 BPSK	1	137	24.90	24.81	24.72	26.0	0.0
100	PI2 BPSK	1	271	24.76	24.83	24.73		
100	PI2 BPSK	135	0	24.49	24.75	24.66	26.0	0.0
100	PI2 BPSK	135	69	24.86	24.83	24.77	26.0	0.0
100	PI2 BPSK	135	138	24.79	24.78	24.74		
100	PI2 BPSK	270	0	24.67	24.82	24.73	26.0	0.0
100	QPSK	1	1	24.69	24.81	24.69		
100	QPSK	1	137	24.50	24.79	24.72	26.0	0.0
100	QPSK	1	271	24.77	24.83	24.76		
100	QPSK	135	0	24.66	24.75	24.63		
100	QPSK	135	69	24.85	24.73	24.77	26.0	0.0
100	QPSK	135	138	24.74	24.72	24.70		
100	QPSK	270	0	24.81	24.74	24.71	26.0	0.0
100	16QAM	1	1	24.78	24.67	24.72	26.0	0.0
100	64QAM	1	1	24.06	24.02	24.01	25.0	1.0
100	256QAM	1	1	21.96	21.87	21.78	23.0	3.0
Channel				649668	650000	662332	limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI2 BPSK	1	1	24.85	24.83	24.81	26.0	0.0
Channel				649334	650000	662666	limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI2 BPSK	1	1	24.75	24.61	24.53	26.0	0.0
Channel				649000	650000	663000	limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI2 BPSK	1	1	24.83	24.56	24.55	26.0	0.0
Channel				648668	650000	663332	limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI2 BPSK	1	1	24.82	24.59	24.53	26.0	0.0
Channel				648334	650000	663666	limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI2 BPSK	1	1	24.77	24.59	24.51	26.0	0.0
Channel				648000	650000	664000	limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	24.75	24.62	24.54	26.0	0.0
Channel				647668	650000	664332	limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI2 BPSK	1	1	24.80	24.58	24.54	26.0	0.0
Channel				647334	650000	664666	limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	24.91	24.99	24.70		
100	PI2 BPSK	1	137	24.90	24.81	24.72	26.0	0.0
100	PI2 BPSK	1	271	24.76	24.83	24.73		
100	PI2 BPSK	135	0	24.40	24.75	24.66	26.0	0.0
100	PI2 BPSK	135	69	24.88	24.83	24.77	26.0	0.0
100	PI2 BPSK	135	138	24.76	24.78	24.74	26.0	0.0
100	PI2 BPSK	270	0	24.67	24.82	24.73	26.0	0.0
100	QPSK	1	1	24.89	24.81	24.69		
100	QPSK	1	137	24.90	24.79	24.72	26.0	0.0
100	QPSK	1	271	24.77	24.83	24.76		
100	QPSK	135	0	24.66	24.75	24.63		
100	QPSK	135	69	24.85	24.73	24.77	26.0	0.0
100	QPSK	135	138	24.74	24.72	24.70		
100	QPSK	270	0	24.81	24.74	24.71	26.0	0.0
100	16QAM	1	1	24.78	24.67	24.72	26.0	0.0
100	64QAM	1	1	24.06	24.02	24.01	25.0	1.0
100	256QAM	1	1	21.96	21.87	21.78	23.0	3.0
Channel				649993	650000	650332	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI2 BPSK	1	1	24.85	24.83	24.81	26.0	0.0
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI2 BPSK	1	1	24.75	24.61	24.53	26.0	0.0
Channel				649000	650000	651000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI2 BPSK	1	1	24.83	24.56	24.55	26.0	0.0
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI2 BPSK	1	1	24.82	24.59	24.53	26.0	0.0
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI2 BPSK	1	1	24.77	24.59	24.51	26.0	0.0
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	24.75	24.62	24.54	26.0	0.0
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI2 BPSK	1	1	24.80	24.58	24.54	26.0	0.0
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI2 BPSK	1	1	24.78	24.60	24.55	26.0	0.0
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI2 BPSK	1	1	24.77	24.57	24.58	26.0	0.0
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI2 BPSK	1	1	24.83	24.53	24.52	26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					650000				
Frequency (MHz)					3750				
100	PI2 BPSK	1	1		16.24				
100	PI2 BPSK	1	137		16.16		17.5	0.0	
100	PI2 BPSK	1	271		16.09				
100	PI2 BPSK	135	0		16.09		17.5	0.0	
100	PI2 BPSK	135	69		16.22		17.5	0.0	
100	PI2 BPSK	135	138		16.08		17.5	0.0	
100	PI2 BPSK	270	0		16.21		17.5	0.0	
100	QPSK	1	1		16.16				
100	QPSK	1	137		16.19		17.5	0.0	
100	QPSK	1	271		16.11				
100	QPSK	135	0		16.16				
100	QPSK	135	69		16.15		17.5	0.0	
100	QPSK	135	138		16.14				
100	QPSK	270	0		16.12		17.5	0.0	
100	16QAM	1	1		16.16		17.5	0.0	
100	64QAM	1	1		16.21		17.5	0.0	
100	256QAM	1	1		16.14		17.5	0.0	
Channel				649668	650000	650332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PI2 BPSK	1	1		16.05	16.02	16.10	17.5	0.0
Channel				649334	650000	650666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PI2 BPSK	1	1		16.05	16.02	16.19	17.5	0.0
Channel				649000	650000	651000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	PI2 BPSK	1	1		16.13	16.05	16.10	17.5	0.0
Channel				648668	650000	651332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PI2 BPSK	1	1		16.13	16.10	16.02	17.5	0.0
Channel				648334	650000	651666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PI2 BPSK	1	1		15.96	15.92	16.11	17.5	0.0
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760			
40	PI2 BPSK	1	1		16.14	16.02	16.12	17.5	0.0
Channel				647668	650000	652332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3764.98			
30	PI2 BPSK	1	1		16.07	15.99	16.05	17.5	0.0
Channel				647334	650000	652666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3769.99			
20	PI2 BPSK	1	1		16.06	16.05	16.19	17.5	0.0
Channel				647168	650000	652832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3762.48			
15	PI2 BPSK	1	1		16.09	15.96	16.05	17.5	0.0
Channel				647000	650000	653000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3765			
10	PI2 BPSK	1	1		15.95	15.95	16.17	17.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI2 BPSK	1	1		16.80			
100	PI2 BPSK	1	137		16.71		20.0	0.0
100	PI2 BPSK	1	271		16.59			
100	PI2 BPSK	135	0		16.81		20.0	0.0
100	PI2 BPSK	135	69		16.77		20.0	0.0
100	PI2 BPSK	135	138		16.61		20.0	0.0
100	PI2 BPSK	270	0		16.75		20.0	0.0
100	QPSK	1	1		16.61			
100	QPSK	1	137		16.73		20.0	0.0
100	QPSK	1	271		16.57			
100	QPSK	135	0		16.61			
100	QPSK	135	69		16.57		20.0	0.0
100	QPSK	135	138		16.62			
100	QPSK	270	0		16.56		20.0	0.0
100	16QAM	1	1		16.75		20.0	0.0
100	64QAM	1	1		16.75		20.0	0.0
100	256QAM	1	1		16.67		20.0	0.0
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1	16.86	16.74	16.67	20.0	0.0
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	16.71	16.71	16.68	20.0	0.0
Channel				649000	650000	651000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI2 BPSK	1	1	16.66	16.74	16.76	20.0	0.0
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	16.74	16.73	16.66	20.0	0.0
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI2 BPSK	1	1	16.65	16.69	16.61	20.0	0.0
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3760		
40	PI2 BPSK	1	1	16.71	16.78	16.83	20.0	0.0
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3764.98		
30	PI2 BPSK	1	1	16.63	16.73	16.71	20.0	0.0
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3769.99		
20	PI2 BPSK	1	1	16.56	16.79	16.63	20.0	0.0
Channel				647168	650000	652832	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3762.48		
15	PI2 BPSK	1	1	16.60	16.75	16.58	20.0	0.0
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3765		
10	PI2 BPSK	1	1	16.57	16.77	16.64	20.0	0.0

Part270_n78_Ant 9									
BW [MHz]	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					
100	PV2 BPSK	1	1		24.96				
100	PV2 BPSK	1	137		24.70		26.0	0.0	
100	PV2 BPSK	1	271		24.80				
100	PV2 BPSK	135	0		24.69		26.0	0.0	
100	PV2 BPSK	135	69		24.83		26.0	0.0	
100	PV2 BPSK	135	138		24.47				
100	PV2 BPSK	270	0		24.81		26.0	0.0	
100	QPSK	1	1		24.81				
100	QPSK	1	137		24.73		26.0	0.0	
100	QPSK	1	271		24.86				
100	QPSK	135	0		24.67				
100	QPSK	135	69		24.57		26.0	0.0	
100	QPSK	135	138		24.44				
100	QPSK	270	0		24.66		26.0	0.0	
100	16QAM	1	1		24.71		26.0	0.0	
100	64QAM	1	1		24.67		25.0	1.0	
100	256QAM	1	1		21.88		23.0	3.0	
Channel				649868	650000	650332	111.111° limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PV2 BPSK	1	1	24.77	24.76	24.78	26.0	0.0	
Channel				649334	650000	650666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PV2 BPSK	1	1	24.74	24.73	24.81	26.0	0.0	
Channel				649000	650000	651000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	PV2 BPSK	1	1	24.78	24.73	24.80	26.0	0.0	
Channel				648668	650000	651332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PV2 BPSK	1	1	24.82	24.79	24.78	26.0	0.0	
Channel				648334	650000	651666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PV2 BPSK	1	1	24.69	24.81	24.85	26.0	0.0	
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PV2 BPSK	1	1	24.84	24.76	24.82	26.0	0.0	
Channel				647668	650000	652332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	PV2 BPSK	1	1	24.83	24.75	24.78	26.0	0.0	
Channel				647334	650000	652666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PV2 BPSK	1	1	24.84	24.80	24.72	26.0	0.0	
Channel				647168	650000	652832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PV2 BPSK	1	1	24.81	24.68	24.84	26.0	0.0	
Channel				647000	650000	653000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PV2 BPSK	1	1	24.85	24.81	24.76	26.0	0.0	

Part270_n78_Ant 10									
BW [MHz]	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					
100	PV2 BPSK	1	1		24.86				
100	PV2 BPSK	1	137		24.70		26.0	0.0	
100	PV2 BPSK	1	271		24.80				
100	PV2 BPSK	135	0		24.69		26.0	0.0	
100	PV2 BPSK	135	69		24.83		26.0	0.0	
100	PV2 BPSK	135	138		24.47				
100	PV2 BPSK	270	0		24.81		26.0	0.0	
100	QPSK	1	1		24.81				
100	QPSK	1	137		24.73		26.0	0.0	
100	QPSK	1	271		24.86				
100	QPSK	135	0		24.67				
100	QPSK	135	69		24.57		26.0	0.0	
100	QPSK	135	138		24.44				
100	QPSK	270	0		24.66		26.0	0.0	
100	16QAM	1	1		24.71		26.0	0.0	
100	64QAM	1	1		24.67		25.0	1.0	
100	256QAM	1	1		21.88		23.0	3.0	
Channel				649868	650000	650332	111.111° limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PV2 BPSK	1	1	24.77	24.76	24.78	26.0	0.0	
Channel				649334	650000	650666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PV2 BPSK	1	1	24.74	24.73	24.81	26.0	0.0	
Channel				649000	650000	651000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	PV2 BPSK	1	1	24.78	24.73	24.80	26.0	0.0	
Channel				648668	650000	651332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PV2 BPSK	1	1	24.82	24.79	24.78	26.0	0.0	
Channel				648334	650000	651666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PV2 BPSK	1	1	24.69	24.81	24.85	26.0	0.0	
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PV2 BPSK	1	1	24.84	24.76	24.82	26.0	0.0	
Channel				647668	650000	652332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	PV2 BPSK	1	1	24.83	24.75	24.78	26.0	0.0	
Channel				647334	650000	652666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PV2 BPSK	1	1	24.84	24.80	24.72	26.0	0.0	
Channel				647168	650000	652832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PV2 BPSK	1	1	24.81	24.68	24.84	26.0	0.0	
Channel				647000	650000	653000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PV2 BPSK	1	1	24.85	24.81	24.76	26.0	0.0	



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n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	20.69	20.85	20.84	22.5	0.0	
20	PI2 BPSK	1	53	20.68	20.84	20.83			
20	PI2 BPSK	1	104	20.58	20.79	20.61			
20	PI2 BPSK	50	0	20.59	20.78	20.58			
20	PI2 BPSK	50	28	20.62	20.82	20.62	22.5	0.0	
20	PI2 BPSK	50	56	20.61	20.77	20.61	22.5	0.0	
20	PI2 BPSK	100	0	20.73	20.76	20.60			
20	QPSK	1	1	20.80	20.76	20.57			
20	QPSK	1	53	20.59	20.83	20.53			
20	QPSK	1	104	20.69	20.75	20.57	22.5	0.0	
20	QPSK	50	0	20.72	20.82	20.52	22.5	0.0	
20	QPSK	50	28	20.60	20.81	20.57	22.5	0.0	
20	QPSK	50	56	20.67	20.78	20.65	22.5	0.0	
20	QPSK	100	0	20.67	20.82	20.53			
20	16QAM	1	1	20.71	20.83	20.83	22.5	0.0	
20	64QAM	1	1	20.78	20.79	20.73	22.5	0.0	
20	256QAM	1	1	20.15	20.25	20.14	21.5	1.0	
Channel				371500	376000	380500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI2 BPSK	1	1	20.65	20.80	20.84	22.5	0.0	
Channel				371000	376000	381000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	PI2 BPSK	1	1	20.57	20.79	20.78	22.5	0.0	
Channel				370500	376000	381500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	PI2 BPSK	1	1	20.65	20.74	20.80	22.5	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	24.39	24.52	24.37	26.0	0.0	0.0
20	PI2 BPSK	1	53	24.24	24.48	24.16			
20	PI2 BPSK	1	104	24.38	24.38	24.08			
20	PI2 BPSK	50	0	24.18	24.44	24.20	25.5	0.5	
20	PI2 BPSK	50	28	24.26	24.49	24.27	26.0	0.0	
20	PI2 BPSK	50	56	24.23	24.46	24.05	25.5	0.5	
20	PI2 BPSK	100	0	24.18	24.47	24.20			
20	QPSK	1	1	24.28	24.46	24.41			
20	QPSK	1	53	24.27	24.51	24.14	26.0	0.0	
20	QPSK	1	104	24.45	24.43	24.13			
20	QPSK	50	0	24.21	24.42	24.24			
20	QPSK	50	28	24.19	24.49	24.09	26.0	0.0	
20	QPSK	50	56	24.27	24.44	24.07	25.0	1.0	
20	QPSK	100	0	24.16	24.47	24.20	25.0	1.0	
20	16QAM	1	1	24.46	24.47	24.49			
20	64QAM	1	1	22.92	22.97	22.99			
20	256QAM	1	1	20.74	20.85	20.84	21.5	4.5	
Channel				371500	376000	380500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI2 BPSK	1	1	24.34	24.51	24.29	26.0	0.0	
Channel				371000	376000	381000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	PI2 BPSK	1	1	24.26	24.49	24.19	26.0	0.0	
Channel				370500	376000	381500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	PI2 BPSK	1	1	24.30	24.45	24.26	26.0	0.0	

n5_Ant 0									
BW [MHz]	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			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	20.89	21.01	20.98	22.5	0.0	
20	PI2 BPSK	1	53	20.77	20.88	20.76			
20	PI2 BPSK	1	104	20.74	20.74	20.71			
20	PI2 BPSK	50	0	20.81	20.88	20.72	22.5	0.0	
20	PI2 BPSK	50	28	20.87	21.00	20.96	22.5	0.0	
20	PI2 BPSK	50	56	20.76	20.73	20.72			
20	PI2 BPSK	100	0	20.85	20.96	20.88	22.5	0.0	
20	QPSK	1	1	20.92	20.97	20.93			
20	QPSK	1	53	20.73	20.73	20.79	22.5	0.0	
20	QPSK	1	104	20.77	20.77	20.71			
20	QPSK	50	0	20.90	20.79	20.82	22.5	0.0	
20	QPSK	50	28	20.82	20.78	20.91	22.5	0.0	
20	QPSK	50	56	20.75	20.75	20.70	22.5	0.0	
20	QPSK	100	0	20.89	20.71	20.89			
20	16QAM	1	1	21.00	20.95	20.83	22.5	0.0	
20	64QAM	1	1	20.77	21.00	20.88	22.5	0.0	
20	256QAM	1	1	20.75	20.71	20.75	21.5	1.0	
Channel				166300	167300	168300	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	PI2 BPSK	1	1	20.69	20.82	20.85	22.5	0.0	
Channel				165800	167300	168800	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	PI2 BPSK	1	1	20.78	20.83	20.87	22.5	0.0	
Channel				165300	167300	168300	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	PI2 BPSK	1	1	20.81	20.87	20.85	22.5	0.0	



n5_Ant 2								
BW [MHz]	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		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.08	22.88	22.08		
20	PI2 BPSK	1	53	22.59	22.65	22.56	24.5	0.0
20	PI2 BPSK	1	104	22.51	22.58	22.54		
20	PI2 BPSK	50	0	22.62	22.85	22.63	24.5	0.0
20	PI2 BPSK	50	28	22.08	22.88	22.05	24.5	0.0
20	PI2 BPSK	50	56	22.50	22.56	22.57		
20	PI2 BPSK	100	0	22.68	22.84	22.58	24.5	0.0
20	QPSK	1	1	22.82	22.89	22.82		
20	QPSK	1	53	22.66	22.67	22.64	24.5	0.0
20	QPSK	1	104	22.67	22.59	22.59		
20	QPSK	50	0	22.83	22.85	22.58	24.5	0.0
20	QPSK	50	28	22.71	22.65	22.56	24.5	0.0
20	QPSK	50	56	22.50	22.58	22.50		
20	QPSK	100	0	22.78	22.68	22.54	24.5	0.0
20	16QAM	1	1	22.62	22.83	22.78	24.5	0.0
20	64QAM	1	1	22.53	22.84	22.76	23.5	1.0
20	256QAM	1	1	20.65	20.70	20.67	21.5	3.0
Channel				166300	167300	168300	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	22.61	22.77	22.52	24.5	0.0
Channel				165800	167300	168800	tune-up limit (dB)	MPR
Frequency (MHz)				829	836.5	844		
10	PI2 BPSK	1	1	22.53	22.77	22.66	24.5	0.0
Channel				165300	167300	169300	tune-up limit (dBm)	MPR
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	22.55	22.87	22.58	24.5	0.0

n7_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	20.04	20.08	20.07		
40	PI2 BPSK	1	108	20.00	20.04	20.03	21.5	0.0
40	PI2 BPSK	1	214	19.84	20.03	19.92		
40	PI2 BPSK	108	0	19.86	19.86	19.93	21.5	0.0
40	PI2 BPSK	108	54	20.00	20.05	20.03	21.5	0.0
40	PI2 BPSK	108	108	19.85	19.89	19.95	21.5	0.0
40	PI2 BPSK	216	0	19.87	20.03	19.88		
40	QPSK	1	1	20.04	19.97	19.83		
40	QPSK	1	108	20.02	19.98	19.73	21.5	0.0
40	QPSK	1	214	19.97	20.05	19.90		
40	QPSK	108	0	19.82	20.03	20.05	21.5	0.0
40	QPSK	108	54	19.90	19.98	19.93	21.5	0.0
40	QPSK	108	108	20.05	20.05	20.04		
40	QPSK	216	0	19.81	19.92	19.91	21.5	0.0
40	16QAM	1	1	19.63	19.88	19.67	21.5	0.0
40	64QAM	1	1	19.83	19.94	19.86	21.5	0.0
40	256QAM	1	1	19.83	19.98	20.05	21.5	0.0
Channel				503000	507000	511000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	19.89	20.03	19.97	21.5	0.0
Channel				502500	507000	511500	tune-up limit (dB)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	20.04	20.01	20.02	21.5	0.0
Channel				502000	507000	512000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	19.89	20.00	19.98	21.5	0.0
Channel				501500	507000	512500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	20.05	20.02	20.06	21.5	0.0
Channel				501000	507000	513000	tune-up limit (dB)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	19.94	20.05	19.97	21.5	0.0
Channel				500500	507000	513500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	19.97	20.00	19.92	21.5	0.0

n7_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	18.46	18.54	18.53		
40	PI2 BPSK	1	108	18.42	18.52	18.39	20.0	0.0
40	PI2 BPSK	1	214	18.40	18.51	18.40		
40	PI2 BPSK	108	0	18.33	18.43	18.38	19.5	0.5
40	PI2 BPSK	108	54	18.44	18.50	18.45	20.0	0.0
40	PI2 BPSK	108	108	18.37	18.44	18.47		
40	PI2 BPSK	216	0	18.40	18.47	18.32	19.5	0.5
40	QPSK	1	1	18.50	18.50	18.43		
40	QPSK	1	108	18.50	18.52	18.38	20.0	0.0
40	QPSK	1	214	18.43	18.49	18.35		
40	QPSK	108	0	18.45	18.39	18.46	20.0	0.0
40	QPSK	108	54	18.47	18.51	18.40	20.0	0.0
40	QPSK	108	108	18.50	18.52	18.39		
40	QPSK	216	0	18.39	18.52	18.48	20.0	0.0
40	16QAM	1	1	18.44	18.41	18.46	20.0	0.0
40	64QAM	1	1	18.33	18.47	18.42	20.0	0.0
40	256QAM	1	1	18.50	18.38	18.44	20.0	0.0
Channel				503000	507000	511000	tune-up limit (dBm)	MPR
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	18.30	18.44	18.49	20.0	0.0
Channel				502500	507000	511500	tune-up limit (dBm)	MPR
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	18.32	18.46	18.49	20.0	0.0
Channel				502000	507000	512000	tune-up limit (dBm)	MPR
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	18.32	18.43	18.38	20.0	0.0
Channel				501500	507000	512500	tune-up limit (dBm)	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	18.44	18.51	18.38	20.0	0.0
Channel				501000	507000	513000	tune-up limit (dBm)	MPR
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	18.33	18.42	18.41	20.0	0.0
Channel				500500	507000	513500	tune-up limit (dBm)	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	18.48	18.44	18.45	20.0	0.0



n66_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	21.76	21.73	21.59		
40	PI2 BPSK	1	108	21.66	21.61	21.55	23.0	0.0
40	PI2 BPSK	1	214	21.70	21.66	21.52		
40	PI2 BPSK	108	0	21.67	21.57	21.52	23.0	0.0
40	PI2 BPSK	108	54	21.74	21.72	21.57	23.0	0.0
40	PI2 BPSK	108	108	21.71	21.64	21.54		
40	PI2 BPSK	216	0	21.73	21.70	21.55	23.0	0.0
40	QPSK	1	1	21.73	21.71	21.46		
40	QPSK	1	108	21.55	21.68	21.57	23.0	0.0
40	QPSK	1	214	21.55	21.61	21.65		
40	QPSK	108	0	21.73	21.66	21.38	23.0	0.0
40	QPSK	108	54	21.51	21.68	21.56	23.0	0.0
40	QPSK	108	108	21.52	21.60	21.67		
40	QPSK	216	0	21.50	21.62	21.49	23.0	0.0
40	16QAM	1	1	21.39	21.65	21.62	23.0	0.0
40	64QAM	1	1	21.64	21.70	21.46	23.0	0.0
40	256QAM	1	1	20.92	20.80	20.77	21.5	1.5
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	21.68	21.65	21.46	23.0	0.0
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI2 BPSK	1	1	21.61	21.65	21.74	23.0	0.0
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI2 BPSK	1	1	21.66	21.66	21.55	23.0	0.0
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI2 BPSK	1	1	21.63	21.72	21.69	23.0	0.0

n66_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	25.01	24.95	24.90		
40	PI2 BPSK	1	108	24.91	24.86	24.89	26.0	0.0
40	PI2 BPSK	1	214	24.86	24.92	24.86		
40	PI2 BPSK	108	0	24.91	24.81	24.83	25.5	0.5
40	PI2 BPSK	108	54	24.97	24.88	24.94	26.0	0.0
40	PI2 BPSK	108	108	24.88	24.87	24.88		
40	PI2 BPSK	216	0	24.95	24.90	24.87	25.5	0.5
40	QPSK	1	1	24.98	24.89	24.95		
40	QPSK	1	108	24.93	24.87	24.93	26.0	0.0
40	QPSK	1	214	24.94	24.86	24.84		
40	QPSK	108	0	24.41	24.37	24.39	25.0	1.0
40	QPSK	108	54	24.93	24.88	24.95	26.0	0.0
40	QPSK	108	108	24.47	24.44	24.45		
40	QPSK	216	0	24.41	24.46	24.35	25.0	1.0
40	16QAM	1	1	24.74	24.64	24.85	25.0	1.0
40	64QAM	1	1	23.13	23.07	23.08	23.5	2.5
40	256QAM	1	1	20.95	20.85	20.85	21.5	4.5
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI2 BPSK	1	1	24.99	24.85	24.89	26.0	0.0
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI2 BPSK	1	1	24.92	24.85	24.84	23.0	0.0
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI2 BPSK	1	1	24.89	24.77	24.82	26.0	0.0
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI2 BPSK	1	1	24.92	24.83	24.87	26.0	0.0

n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				136600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	24.58	24.67	24.64		
20	PI2 BPSK	1	53	24.55	24.66	24.02	26.0	0.0
20	PI2 BPSK	1	104	24.54	24.15	24.05		
20	PI2 BPSK	50	0	24.52	24.64	24.21	25.5	0.5
20	PI2 BPSK	50	28	24.57	24.65	24.35	26.0	0.0
20	PI2 BPSK	50	56	24.50	24.34	23.86		
20	PI2 BPSK	100	0	24.51	24.62	24.10	25.5	0.5
20	QPSK	1	1	24.55	24.63	24.65		
20	QPSK	1	53	24.62	24.65	24.05	26.0	0.0
20	QPSK	1	104	24.58	24.13	24.07		
20	QPSK	50	0	24.09	24.15	24.00	25.0	1.0
20	QPSK	50	28	24.56	24.64	24.08	26.0	0.0
20	QPSK	50	56	24.19	23.78	23.67		
20	QPSK	100	0	24.15	24.07	23.59	25.0	1.0
20	16QAM	1	1	24.25	24.39	24.44	25.0	1.0
20	64QAM	1	1	22.71	22.80	22.86	23.5	2.5
20	256QAM	1	1	20.45	20.56	20.65	21.5	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	PI2 BPSK	1	1	24.52	24.66	24.47	26.0	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				666	680.5	695		
10	PI2 BPSK	1	1	24.47	24.59	24.44	26.0	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	PI2 BPSK	1	1	24.49	24.57	24.42	26.0	0.0

n71_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	24.58	24.67	24.64	26.0	0.0
20	PI/2 BPSK	1	53	24.55	24.66	24.02		
20	PI/2 BPSK	1	104	24.54	24.15	24.05		
20	PI/2 BPSK	50	0	24.52	24.64	24.21	25.5	0.5
20	PI/2 BPSK	50	28	24.57	24.65	24.35	26.0	0.0
20	PI/2 BPSK	50	53	24.50	24.34	23.96	25.5	0.5
20	PI/2 BPSK	100	0	24.61	24.62	24.10		
20	QPSK	1	1	24.55	24.63	24.65	26.0	0.0
20	QPSK	1	53	24.62	24.65	24.05		
20	QPSK	1	104	24.58	24.13	24.07		
20	QPSK	50	0	24.09	24.15	24.00	25.0	1.0
20	QPSK	50	28	24.56	24.64	24.08	26.0	0.0
20	QPSK	50	56	24.19	23.78	23.67	25.0	1.0
20	QPSK	100	0	24.15	24.07	23.99		
20	16QAM	1	1	24.25	24.36	24.44	25.0	1.0
20	64QAM	1	1	22.71	22.80	22.86	23.5	2.5
20	256QAM	1	1	20.45	20.56	20.65	21.5	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	PI/2 BPSK	1	1	24.52	24.66	24.47	26.0	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				666	680.5	693		
10	PI/2 BPSK	1	1	24.47	24.59	24.44	26.0	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	PI/2 BPSK	1	1	24.49	24.57	24.42	26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	21.22	21.24	21.18		
100	PI2 BPSK	1	137	21.17	21.27	21.13	22.5	0.0
100	PI2 BPSK	1	271	21.18	21.23	21.15		
100	PI2 BPSK	135	0	21.18	21.19	21.22	22.5	0.0
100	PI2 BPSK	135	69	21.22	21.25	21.23	22.5	0.0
100	PI2 BPSK	135	138	21.17	21.19	21.11	22.5	0.0
100	PI2 BPSK	270	0	21.13	21.24	21.22		
100	QPSK	1	1	21.05	21.24	21.21		
100	QPSK	1	137	21.12	21.25	21.19	22.5	0.0
100	QPSK	1	271	21.11	21.25	21.18		
100	QPSK	135	0	21.18	21.20	21.15		
100	QPSK	135	69	21.18	21.18	21.13	22.5	0.0
100	QPSK	135	138	21.12	21.14	21.12		
100	QPSK	270	0	21.10	21.17	21.05	22.5	0.0
100	16QAM	1	1	21.20	21.27	21.16	22.5	0.0
100	64QAM	1	1	21.15	21.25	21.15	22.5	0.0
100	256QAM	1	1	21.18	21.22	21.02	22.5	0.0
Channel				649999	650000	662000	limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI2 BPSK	1	1	21.22	21.14	21.18	22.5	0.0
Channel				649334	650000	662666	limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	PI2 BPSK	1	1	21.07	21.22	21.18	22.5	0.0
Channel				649000	650000	663000	limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI2 BPSK	1	1	21.10	21.00	21.10	22.5	0.0
Channel				648668	650000	663332	limit	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	PI2 BPSK	1	1	21.20	21.20	20.98	22.5	0.0
Channel				648334	650000	663666	limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI2 BPSK	1	1	21.12	21.20	21.17	22.5	0.0
Channel				648000	650000	664000	limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI2 BPSK	1	1	21.09	21.15	21.00	22.5	0.0
Channel				647668	650000	664332	limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI2 BPSK	1	1	21.18	21.25	21.07	22.5	0.0
Channel				647334	650000	664666	limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI2 BPSK	1	1	21.13	21.09	21.08	22.5	0.0
Channel				647000	650000	664999	limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI2 BPSK	1	1	21.04	21.15	21.15	22.5	0.0
Channel				647000	650000	665000	limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI2 BPSK	1	1	21.06	21.20	21.13	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	19.24	19.28	19.19		
100	PI2 BPSK	1	137	19.19	19.23	19.12	20.5	0.0
100	PI2 BPSK	1	271	19.15	19.25	19.14		
100	PI2 BPSK	135	0	19.21	19.22	19.19	20.5	0.0
100	PI2 BPSK	135	69	19.22	19.25	19.23	20.5	0.0
100	PI2 BPSK	135	138	19.13	19.21	19.08	20.5	0.0
100	PI2 BPSK	270	0	19.14	19.23	19.14		
100	QPSK	1	1	19.21	19.16	19.09		
100	QPSK	1	137	19.20	19.24	19.10	20.5	0.0
100	QPSK	1	271	19.26	19.25	19.13		
100	QPSK	135	0	19.15	19.18	19.23		
100	QPSK	135	69	19.08	19.12	19.05	20.5	0.0
100	QPSK	135	138	19.05	19.17	19.02		
100	QPSK	270	0	19.05	19.18	19.09	20.5	0.0
100	16QAM	1	1	19.16	19.24	19.23	20.5	0.0
100	64QAM	1	1	19.17	19.27	19.26	20.5	0.0
100	256QAM	1	1	19.19	19.19	19.11	20.5	0.0
Channel				649999	650000	662000	limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI2 BPSK	1	1	19.16	19.16	19.11	20.5	0.0
Channel				649334	650000	662666	limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	PI2 BPSK	1	1	19.17	19.17	19.10	20.5	0.0
Channel				649000	650000	663000	limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI2 BPSK	1	1	19.18	19.22	19.13	20.5	0.0
Channel				648668	650000	663332	limit	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	PI2 BPSK	1	1	19.16	19.23	19.08	20.5	0.0
Channel				648334	650000	663666	limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI2 BPSK	1	1	19.14	19.18	19.16	20.5	0.0
Channel				648000	650000	664000	limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI2 BPSK	1	1	19.09	19.14	19.19	20.5	0.0
Channel				647668	650000	664332	limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI2 BPSK	1	1	19.16	19.14	19.19	20.5	0.0
Channel				647334	650000	664666	limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI2 BPSK	1	1	19.13	19.17	19.18	20.5	0.0
Channel				647000	650000	664999	limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI2 BPSK	1	1	19.09	19.24	19.11	20.5	0.0
Channel				647000	650000	665000	limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI2 BPSK	1	1	19.08	19.16	19.10	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	10.17	10.31	10.15		
100	PI2 BPSK	1	137	10.15	10.27	10.14	11.5	0.0
100	PI2 BPSK	1	271	10.11	10.25	10.07		
100	PI2 BPSK	135	0	10.08	10.23	10.19	11.5	0.0
100	PI2 BPSK	135	69	10.14	10.29	10.22	11.5	0.0
100	PI2 BPSK	135	138	10.06	10.19	10.06		
100	PI2 BPSK	270	0	10.08	10.27	10.09	11.5	0.0
100	QPSK	1	1	10.20	10.21	10.20		
100	QPSK	1	137	10.13	10.15	10.10	11.5	0.0
100	QPSK	1	271	10.14	10.23	10.09		
100	QPSK	135	0	10.18	10.25	10.22		
100	QPSK	135	69	9.98	10.14	10.07	11.5	0.0
100	QPSK	135	138	9.98	10.13	9.94		
100	QPSK	270	0	10.26	10.29	10.27	11.5	0.0
100	16QAM	1	1	10.15	10.28	10.11	11.5	0.0
100	64QAM	1	1	10.10	10.27	10.14	11.5	0.0
100	256QAM	1	1	10.20	10.20	10.20	11.5	0.0
Channel				649999	650000	662000	limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI2 BPSK	1	1	10.08	10.11	10.05	11.5	0.0
Channel				649334	650000	662666	limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	PI2 BPSK	1	1	10.14	10.13	10.09	11.5	0.0
Channel				649000	650000	663000	limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI2 BPSK	1	1	10.06	10.14	10.02	11.5	0.0
Channel				648668	650000	663332	limit	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	PI2 BPSK	1	1	10.05	10.14	10.04	11.5	0.0
Channel				648334	650000	663666	limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI2 BPSK	1	1	9.99	10.11	10.13	11.5	0.0
Channel				648000	650000	664000	limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI2 BPSK	1	1	10.15	10.22	10.05	11.5	0.0
Channel				647668	650000	664332	limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI2 BPSK	1	1	10.00	10.21	10.05	11.5	0.0
Channel				647334	650000	664666	limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI2 BPSK	1	1	10.00	10.13	10.02	11.5	0.0
Channel				647000	650000	665000	limit	MPR
Frequency (MHz)				3707.50	3840	3972.48	(dBm)	(dB)
15	PI2 BPSK	1	1	10.04	10.16	9.99	11.5	0.0
Channel				647000	650000	665000	limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI2 BPSK	1	1	10.15	10.17	10.00	11.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	660000	662000	20.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	18.80	18.81	18.87		
100	PI2 BPSK	1	137	18.80	18.74	18.84		
100	PI2 BPSK	1	271	18.88	18.75	18.58	20.0	0.0
100	PI2 BPSK	135	0	18.68	18.66	18.59		
100	PI2 BPSK	135	69	18.72	18.75	18.68		
100	PI2 BPSK	135	138	18.54	18.67	18.48		
100	PI2 BPSK	270	0	18.66	18.71	18.56	20.0	0.0
100	QPSK	1	1	18.65	18.69	18.58		
100	QPSK	1	137	18.59	18.73	18.64		
100	QPSK	1	271	18.80	18.71	18.67		
100	QPSK	135	0	18.52	18.70	18.67	20.0	0.0
100	QPSK	135	69	18.56	18.73	18.59		
100	QPSK	135	138	18.60	18.69	18.57		
100	QPSK	270	0	18.53	18.73	18.61		
100	16QAM	1	1	18.68	18.77	18.64	20.0	0.0
100	64QAM	1	1	18.75	18.75	18.64		
100	256QAM	1	1	18.47	18.66	18.48		
Channel				650000	650000	650000	100000 limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98	20.0	0.0
90	PI2 BPSK	1	1	18.76	18.67	18.64	20.0	0.0
Channel				649334	650000	650666		
Frequency (MHz)				3740.01	3840	3939.99		
80	PI2 BPSK	1	1	18.68	18.79	18.61		
Channel				649000	650000	651000	100000 limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	20.0	0.0
70	PI2 BPSK	1	1	18.70	18.72	18.66	20.0	0.0
Channel				648668	650000	651332		
Frequency (MHz)				3730.02	3840	3949.98		
60	PI2 BPSK	1	1	18.68	18.69	18.61		
Channel				648334	650000	651666	100000 limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99	20.0	0.0
50	PI2 BPSK	1	1	18.62	18.71	18.63		
Channel				648000	650000	652000		
Frequency (MHz)				3720	3840	3960		
40	PI2 BPSK	1	1	18.51	18.72	18.66	20.0	0.0
Channel				647668	650000	652332		
Frequency (MHz)				3715.02	3840	3964.98		
30	PI2 BPSK	1	1	18.64	18.64	18.63		
Channel				647334	650000	652666	100000 limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99	20.0	0.0
20	PI2 BPSK	1	1	18.67	18.74	18.57		
Channel				647000	650000	653000		
Frequency (MHz)				3707.52	3840	3972.48		
15	PI2 BPSK	1	1	18.75	18.62	19.52	20.0	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3840	3975		
10	PI2 BPSK	1	1	18.60	18.70	18.49		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	22.5	0.0
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1	21.21	21.25	21.25		
100	PI2 BPSK	1	137	21.21	21.20	21.20	22.5	0.0
100	PI2 BPSK	1	271	21.20	21.20	21.20		
100	PI2 BPSK	135	0	21.23	21.23	21.23		
100	PI2 BPSK	135	69	21.14	21.14	21.14		
100	PI2 BPSK	135	138	21.13	21.13	21.13	22.5	0.0
100	PI2 BPSK	270	0	21.20	21.20	21.20		
100	QPSK	1	1	21.23	21.23	21.23		
100	QPSK	1	137	21.18	21.18	21.18	22.5	0.0
100	QPSK	1	271	21.16	21.16	21.16		
100	QPSK	135	0	21.14	21.14	21.14		
100	QPSK	135	69	21.09	21.09	21.09		
100	QPSK	135	138	21.08	21.08	21.08	22.5	0.0
100	QPSK	270	0	21.07	21.07	21.07		
100	16QAM	1	1	21.18	21.18	21.18		
100	64QAM	1	1	21.16	21.16	21.16		
100	256QAM	1	1	21.17	21.17	21.17	21.5	1.0
Channel				649668	650000	650332	100000 limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98	22.5	0.0
90	PI2 BPSK	1	1	21.07	21.15	21.16	22.5	0.0
Channel				649334	650000	650666		
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	20.96	21.05	20.98		
Channel				649000	650000	651000	100000 limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	22.5	0.0
70	PI2 BPSK	1	1	20.99	20.95	21.09	22.5	0.0
Channel				648668	650000	651332		
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	20.89	21.09	21.00		
Channel				648334	650000	651666	100000 limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99	22.5	0.0
50	PI2 BPSK	1	1	21.00	21.08	21.13		
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	PI2 BPSK	1	1	20.85	21.10	21.08	22.5	0.0
Channel				647668	650000	652332		
Frequency (MHz)				3715.02	3750	3784.98		
30	PI2 BPSK	1	1	21.03	21.04	21.00		
Channel				647334	650000	652666	100000 limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99	22.5	0.0
20	PI2 BPSK	1	1	20.92	20.95	20.98		
Channel				647000	650000	653000		
Frequency (MHz)				3707.52	3750	3792.48		
15	PI2 BPSK	1	1	20.93	20.98	21.05	22.5	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795		
10	PI2 BPSK	1	1	20.89	21.14	21.14		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000		20.5	0.0
Frequency (MHz)				3750				
100	PI2 BPSK	1	1	19.16	19.22			
100	PI2 BPSK	1	137	19.19	19.22		20.5	0.0
100	PI2 BPSK	1	271	19.19				
100	PI2 BPSK	135	0	19.12	19.12			
100	PI2 BPSK	135	69	19.24				
100	PI2 BPSK	135	138	19.04	19.04		20.5	0.0
100	PI2 BPSK	270	0	19.21	19.21			
100	QPSK	1	1	19.22	19.22			
100	QPSK	1	137	19.21	19.21		20.5	0.0
100	QPSK	1	271	19.18				
100	QPSK	135	0	19.15	19.15			
100	QPSK	135	69	19.13	19.13			
100	QPSK	135	138	19.03			20.5	0.0
100	QPSK	270	0	19.06				
100	16QAM	1	1	19.24	19.24			
100	64QAM	1	1	19.21	19.21			
100	256QAM	1	1	19.10	19.10		20.5	0.0
Channel				649668	650000	650332	100000 limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98	20.5	0.0
90	PI2 BPSK	1	1	19.24	19.12	19.22	20.5	0.0
Channel				649334	650000	650666		
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	19.15	19.02	19.21		
Channel				649000	650000	651000	100000 limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	20.5	0.0
70	PI2 BPSK	1	1	19.24	19.06	19.21	20.5	0.0
Channel				648668	650000	651332		
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	19.20	19.08	19.12		
Channel				648334	650000	651666	100000 limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99	20.5	0.0
50	PI2 BPSK	1	1	19.19	19.20	19.23	20.5	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	PI2 BPSK	1	1	19.17	19.06	19.21		
Channel				647668	650000	652332	100000 limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98	20.5	0.0
30	PI2 BPSK	1	1	19.14	19.20	19.20	20.5	0.0
Channel				647334	650000	652666		
Frequency (MHz)				3710.01	3750	3789.99		
20	PI2 BPSK	1	1	19.23	19.15	19.24		
Channel				647000	650000	653000	100000 limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48	20.5	0.0
15	PI2 BPSK	1	1	19.23	19.14	19.23	20.5	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795		
10	PI2 BPSK	1	1	19.23	19.11	19.25		



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		3750	11.5	0.0	
Frequency (MHz)									
100	PV2 BPSK	1	1	10.26					
100	PV2 BPSK	1	137	10.22					
100	PV2 BPSK	1	271	10.15			11.5	0.0	
100	PV2 BPSK	135	0	10.26					
100	PV2 BPSK	135	69	10.27			11.5	0.0	
100	PV2 BPSK	135	138	10.18					
100	PV2 BPSK	270	0	10.25			11.5	0.0	
100	QPSK	1	1	10.23					
100	QPSK	1	137	10.21					
100	QPSK	1	271	10.19			11.5	0.0	
100	QPSK	135	0	10.22					
100	QPSK	135	69	10.19					
100	QPSK	135	138	10.25			11.5	0.0	
100	QPSK	270	0	10.19					
100	16QAM	1	1	10.21			11.5	0.0	
100	64QAM	1	1	10.26			11.5	0.0	
100	256QAM	1	1	10.26			11.5	0.0	
Channel				649968	650000	650332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98			
90	PV2 BPSK	1	1	10.12	10.15	10.14	11.5	0.0	
Channel				649334	650000	650666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PV2 BPSK	1	1	10.19	10.08	10.12	11.5	0.0	
Channel				649000	650000	651000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	PV2 BPSK	1	1	10.06	10.05	10.10	11.5	0.0	
Channel				648668	650000	651332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PV2 BPSK	1	1	10.14	10.17	10.16	11.5	0.0	
Channel				648334	650000	651666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PV2 BPSK	1	1	10.17	10.21	10.15	11.5	0.0	
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PV2 BPSK	1	1	10.17	10.07	10.20	11.5	0.0	
Channel				647668	650000	652332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	PV2 BPSK	1	1	10.14	10.08	10.10	11.5	0.0	
Channel				647334	650000	652666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PV2 BPSK	1	1	10.21	10.13	10.19	11.5	0.0	
Channel				647168	650000	652832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PV2 BPSK	1	1	10.20	10.16	10.13	11.5	0.0	
Channel				647000	650000	653000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PV2 BPSK	1	1	10.11	10.22	10.18	11.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tuneup limit (dBm)	MPR (dB)	
Channel				650000		3750	20.0	0.0	
Frequency (MHz)									
100	PV2 BPSK	1	1	16.79					
100	PV2 BPSK	1	137	16.71					
100	PV2 BPSK	1	271	16.74			20.0	0.0	
100	PV2 BPSK	135	0	16.65					
100	PV2 BPSK	135	69	16.77					
100	PV2 BPSK	135	138	16.69					
100	PV2 BPSK	270	0	16.74			20.0	0.0	
100	QPSK	1	1	16.71					
100	QPSK	1	137	16.76					
100	QPSK	1	271	16.68					
100	QPSK	135	0	16.69			20.0	0.0	
100	QPSK	135	69	16.74					
100	QPSK	135	138	16.75					
100	QPSK	270	0	16.73					
100	16QAM	1	1	16.76			20.0	0.0	
100	64QAM	1	1	16.75			20.0	0.0	
100	256QAM	1	1	16.67			20.0	0.0	
Channel				649968	650000	650332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3744.92	3750	3754.98			
90	PV2 BPSK	1	1	16.64	16.69	16.71	20.0	0.0	
Channel				649334	650000	650666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99			
80	PV2 BPSK	1	1	16.74	16.71	16.62	20.0	0.0	
Channel				649000	650000	651000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	PV2 BPSK	1	1	16.67	16.65	16.66	20.0	0.0	
Channel				648968	650000	651332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98			
60	PV2 BPSK	1	1	16.67	16.56	16.64	20.0	0.0	
Channel				648334	650000	651666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99			
50	PV2 BPSK	1	1	16.72	16.60	16.69	20.0	0.0	
Channel				648000	650000	652000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	PV2 BPSK	1	1	16.44	16.55	16.67	20.0	0.0	
Channel				647668	650000	652332	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98			
30	PV2 BPSK	1	1	16.53	16.57	16.69	20.0	0.0	
Channel				647334	650000	652666	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99			
20	PV2 BPSK	1	1	16.57	16.66	16.56	20.0	0.0	
Channel				647168	650000	652832	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48			
15	PV2 BPSK	1	1	16.62	16.62	16.68	20.0	0.0	
Channel				647000	650000	653000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	PV2 BPSK	1	1	16.61	16.62	16.57	20.0	0.0	



ENDC Power for State 13&14

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	21.93	22.11	22.04			
20	PI2 BPSK	1	53	21.87	22.09	21.87	23.5	0.0	
20	PI2 BPSK	1	104	21.90	22.05	21.89			
20	PI2 BPSK	50	0	21.88	22.02	21.86	23.5	0.0	
20	PI2 BPSK	50	28	21.89	22.09	21.95	23.5	0.0	
20	PI2 BPSK	50	56	21.76	21.91	21.88			
20	PI2 BPSK	100	0	21.93	22.05	21.85	23.5	0.0	
20	QPSK	1	1	21.91	22.02	21.85			
20	QPSK	1	53	22.03	22.05	21.98	23.5	0.0	
20	QPSK	1	104	21.90	22.03	21.89			
20	QPSK	50	0	22.01	22.06	21.87	23.5	0.0	
20	QPSK	50	28	21.88	22.04	21.98	23.5	0.0	
20	QPSK	50	56	21.89	21.99	21.98			
20	QPSK	100	0	21.89	21.98	21.89	23.5	0.0	
20	16QAM	1	1	22.02	22.09	21.92	23.5	0.0	
20	64QAM	1	1	21.84	21.92	22.02	23.5	0.0	
20	256QAM	1	1	20.31	20.33	20.30	21.5	2.0	
Channel				371500	376000	380500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI2 BPSK	1	1	21.75	21.78	21.87	23.5	0.0	
Channel				371000	376000	381000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	PI2 BPSK	1	1	21.79	21.77	21.72	23.5	0.0	
Channel				370500	376000	381500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5			
5	PI2 BPSK	1	1	21.78	21.81	21.73	23.5	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI2 BPSK	1	1	24.39	24.52	24.37			
20	PI2 BPSK	1	53	24.24	24.48	24.16	26.0		0.0
20	PI2 BPSK	1	104	24.38	24.38	24.08			
20	PI2 BPSK	50	0	24.18	24.44	24.20	25.5		0.5
20	PI2 BPSK	50	28	24.26	24.49	24.27	26.0		0.0
20	PI2 BPSK	50	56	24.23	24.48	24.05			
20	PI2 BPSK	100	0	24.18	24.47	24.20	25.5		0.5
20	QPSK	1	1	24.28	24.49	24.41			
20	QPSK	1	53	24.27	24.51	24.14	26.0		0.0
20	QPSK	1	104	24.45	24.43	24.13			
20	QPSK	50	0	24.21	24.42	24.24	25.0		1.0
20	QPSK	50	28	24.19	24.49	24.09	26.0		0.0
20	QPSK	50	56	24.27	24.44	24.07			
20	QPSK	100	0	24.16	24.47	24.20	25.0		1.0
20	16QAM	1	1	24.46	24.47	24.40	25.0		1.0
20	64QAM	1	1	22.92	22.97	22.99	23.5		2.5
20	256QAM	1	1	20.74	20.85	20.84	21.5		4.5
Channel				371500	376000	380500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	PI2 BPSK	1	1	24.34	24.51	24.29	26.0		0.0
Channel				371000	376000	381000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	PI2 BPSK	1	1	24.28	24.49	24.19	26.0		0.0
Channel				370500	376000	381500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5			
5	PI2 BPSK	1	1	24.30	24.45	24.26	26.0		0.0

n5_Ant 0									
BW [MHz]	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			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	24.32	24.41	24.26			
20	PI2 BPSK	1	53	24.15	24.12	24.09		26.0	0.0
20	PI2 BPSK	1	104	24.03	24.10	24.03			
20	PI2 BPSK	50	0	24.23	24.18	24.16	25.5	0.5	0.5
20	PI2 BPSK	50	28	24.30	24.32	24.24	26.0	0.0	0.0
20	PI2 BPSK	50	56	24.15	24.09	24.08		25.5	0.5
20	PI2 BPSK	100	0	24.26	24.28	24.16			
20	QPSK	1	1	24.38	24.36	24.30		26.0	0.0
20	QPSK	1	53	24.24	24.17	24.17			
20	QPSK	1	104	24.11	24.13	24.10		25.0	1.0
20	QPSK	50	0	24.31	24.26	24.24	25.0		
20	QPSK	50	28	24.22	24.18	24.16	26.0	0.0	0.0
20	QPSK	50	56	24.16	24.10	24.08		25.0	1.0
20	QPSK	100	0	24.28	24.19	24.16			
20	16QAM	1	1	24.40	24.37	24.35	25.0	1.0	1.0
20	64QAM	1	1	22.95	22.99	22.92	23.5	2.5	2.5
20	256QAM	1	1	20.90	20.84	20.78	21.5	4.5	4.5
Channel				166300	167300	168300	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	PI2 BPSK	1	1	24.39	24.28	24.27	26.0	0.0	0.0
Channel				165800	167300	168800	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	PI2 BPSK	1	1	24.33	24.19	24.24	26.0	0.0	0.0
Channel				165300	167300	169300	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	PI2 BPSK	1	1	24.34	24.25	24.19	26.0	0.0	0.0



n5_Ant 2								
BW [MHz]	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	26.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	24.32	24.41	24.26	26.0	0.0
20	PI2 BPSK	1	53	24.15	24.12	24.09		
20	PI2 BPSK	50	0	24.23	24.18	24.16		
20	PI2 BPSK	50	28	24.30	24.32	24.24		
20	PI2 BPSK	50	56	24.15	24.09	24.08	25.5	0.5
20	PI2 BPSK	100	0	24.26	24.26	24.16		
20	QPSK	1	1	24.38	24.36	24.30		
20	QPSK	1	53	24.24	24.17	24.17		
20	QPSK	1	104	24.11	24.13	24.10	26.0	0.0
20	QPSK	50	0	24.31	24.26	24.24		
20	QPSK	50	28	24.22	24.18	24.16		
20	QPSK	50	56	24.16	24.10	24.08		
20	QPSK	100	0	24.26	24.19	24.16	25.0	1.0
20	16QAM	1	1	24.40	24.37	24.35		
20	64QAM	1	1	22.95	22.99	22.92		
20	256QAM	1	1	20.90	20.84	20.78		
Channel				166300	167300	168300	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	PI2 BPSK	1	1	24.39	24.28	24.27	26.0	0.0
Channel				165800	167300	168800	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	PI2 BPSK	1	1	24.33	24.19	24.24	26.0	0.0
Channel				165300	167300	169300	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	PI2 BPSK	1	1	24.34	24.25	24.19	26.0	0.0

n7_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	20.04	20.08	20.07	21.5	0.0
40	PI2 BPSK	1	108	20.00	20.04	20.03		
40	PI2 BPSK	1	214	19.84	20.03	19.92		
40	PI2 BPSK	108	0	19.86	19.86	19.93		
40	PI2 BPSK	108	54	20.05	20.05	20.03	21.5	0.0
40	PI2 BPSK	108	108	19.95	19.89	19.95		
40	PI2 BPSK	216	0	19.87	20.03	19.88		
40	QPSK	1	1	20.04	19.97	19.93		
40	QPSK	1	108	20.02	19.98	19.73	21.5	0.0
40	QPSK	1	214	19.97	20.05	19.90		
40	QPSK	108	0	19.82	20.03	20.05		
40	QPSK	108	54	19.90	19.98	19.93		
40	QPSK	108	108	20.05	20.05	20.04	21.5	0.0
40	QPSK	216	0	19.81	19.92	19.91		
40	16QAM	1	1	19.83	19.88	19.87		
40	64QAM	1	1	19.83	19.94	19.86		
40	256QAM	1	1	19.83	19.98	20.05	21.5	0.0
Channel				503000	507000	511000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	19.89	20.03	19.97	21.5	0.0
Channel				502500	507000	511500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	20.04	20.01	20.02	21.5	0.0
Channel				502000	507000	512000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	19.89	20.00	19.98	21.5	0.0
Channel				501500	507000	512500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	20.05	20.02	20.06	21.5	0.0
Channel				501000	507000	513000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	19.94	20.05	19.97	21.5	0.0
Channel				500500	507000	513500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	19.97	20.00	19.92	21.5	0.0

n7_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI2 BPSK	1	1	23.04	23.12	23.06	24.5	0.0
40	PI2 BPSK	1	108	22.96	23.09	22.99		
40	PI2 BPSK	1	214	22.88	23.06	22.90		
40	PI2 BPSK	108	0	22.92	22.94	22.94		
40	PI2 BPSK	108	54	22.96	23.11	23.05	24.5	0.0
40	PI2 BPSK	108	108	22.94	23.02	22.98		
40	PI2 BPSK	216	0	22.96	23.00	22.91		
40	QPSK	1	1	22.94	23.04	23.00		
40	QPSK	1	108	23.00	23.07	22.96	24.5	0.0
40	QPSK	1	214	22.95	23.08	22.88		
40	QPSK	108	0	23.00	23.05	22.96		
40	QPSK	108	54	22.81	23.00	22.92		
40	QPSK	108	108	22.85	23.05	23.03	24.5	0.0
40	QPSK	216	0	22.90	22.98	22.94		
40	16QAM	1	1	22.98	23.10	23.09		
40	64QAM	1	1	22.82	22.89	22.82		
40	256QAM	1	1	20.21	20.32	20.15	21.5	3.0
Channel				503000	507000	511000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	PI2 BPSK	1	1	22.99	22.82	23.01	24.5	0.0
Channel				502500	507000	511500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	PI2 BPSK	1	1	23.04	22.98	23.04	24.5	0.0
Channel				502000	507000	512000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	22.99	23.00	22.91	24.5	0.0
Channel				501500	507000	512500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	PI2 BPSK	1	1	23.04	22.94	22.98	24.5	0.0
Channel				501000	507000	513000	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	PI2 BPSK	1	1	22.85	22.95	22.92	24.5	0.0
Channel				500500	507000	513500	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	PI2 BPSK	1	1	22.98	23.07	22.90	24.5	0.0



n66_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	23.08	22.98	22.95	24.0	0.0	
40	PI2 BPSK	1	108	22.98	22.95	22.93	24.0	0.0	
40	PI2 BPSK	1	214	22.60	22.84	22.78	24.0	0.0	
40	PI2 BPSK	108	0	22.94	22.89	22.84	24.0	0.0	
40	PI2 BPSK	108	54	22.95	22.94	22.88	24.0	0.0	
40	PI2 BPSK	108	108	22.69	22.93	22.85	24.0	0.0	
40	PI2 BPSK	216	0	22.96	22.90	22.75	24.0	0.0	
40	QPSK	1	1	22.88	22.98	22.72	24.0	0.0	
40	QPSK	1	108	22.86	22.90	22.69			
40	QPSK	1	214	22.82	22.86	22.91			
40	QPSK	108	0	22.78	22.96	22.91			
40	QPSK	108	54	22.71	22.91	22.85	24.0	0.0	
40	QPSK	108	108	22.86	23.02	22.94	24.0	0.0	
40	QPSK	216	0	22.90	22.97	22.77	24.0	0.0	
40	16QAM	1	1	23.02	23.06	22.97	24.0	0.0	
40	64QAM	1	1	22.20	22.33	22.16	23.5	0.5	
40	256QAM	1	1	19.84	20.12	20.06	21.5	2.5	
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	24.0	0.0	
20	PI2 BPSK	1	1	22.96	22.89	22.75	24.0	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0	
15	PI2 BPSK	1	1	22.82	22.79	22.85	24.0	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24.0	0.0	
10	PI2 BPSK	1	1	22.99	22.83	22.71	24.0	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0	
5	PI2 BPSK	1	1	22.91	22.94	23.03	24.0	0.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	25.01	24.95	24.90	26.0	0.0	
40	PI2 BPSK	1	108	24.91	24.86	24.89			
40	PI2 BPSK	1	214	24.86	24.92	24.86			
40	PI2 BPSK	108	0	24.91	24.81	24.83			
40	PI2 BPSK	108	54	24.97	24.88	24.94	26.0	0.0	
40	PI2 BPSK	108	108	24.88	24.87	24.88	25.5	0.5	
40	PI2 BPSK	216	0	24.93	24.90	24.87			
40	QPSK	1	1	24.98	24.89	24.95			
40	QPSK	1	108	24.93	24.87	24.93			
40	QPSK	1	214	24.94	24.86	24.84	26.0	0.0	
40	QPSK	108	0	24.41	24.37	24.39	25.0	1.0	
40	QPSK	108	54	24.93	24.88	24.95	26.0	0.0	
40	QPSK	108	108	24.47	24.44	24.45	25.0	1.0	
40	QPSK	216	0	24.41	24.46	24.35			
40	16QAM	1	1	24.74	24.64	24.65			
40	64QAM	1	1	23.13	23.07	23.08			
40	256QAM	1	1	20.95	20.85	20.85	21.5	4.5	
Channel				344000	349000	354000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	26.0	0.0	
20	PI2 BPSK	1	1	24.99	24.85	24.89	26.0	0.0	
Channel				343500	349000	354500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	26.0	0.0	
15	PI2 BPSK	1	1	24.92	24.85	24.84	26.0	0.0	
Channel				343000	349000	355000	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	26.0	0.0	
10	PI2 BPSK	1	1	24.89	24.77	24.82	26.0	0.0	
Channel				342500	349000	355500	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	26.0	0.0	
5	PI2 BPSK	1	1	24.92	24.83	24.87	26.0	0.0	

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				136600	136100	137600			
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	24.58	24.67	24.64	26.0	0.0	
20	PI2 BPSK	1	53	24.55	24.66	24.02			
20	PI2 BPSK	1	104	24.54	24.15	24.05			
20	PI2 BPSK	50	0	24.52	24.64	24.21			
20	PI2 BPSK	50	28	24.57	24.65	24.35	25.5	0.5	
20	PI2 BPSK	50	56	24.50	24.34	23.66	25.5	0.5	
20	PI2 BPSK	100	0	24.61	24.62	24.10			
20	QPSK	1	1	24.55	24.63	24.65			
20	QPSK	1	53	24.62	24.65	24.05			
20	QPSK	1	104	24.58	24.13	24.07	26.0	0.0	
20	QPSK	50	0	24.09	24.15	24.00	25.0	1.0	
20	QPSK	50	28	24.56	24.64	24.08	26.0	0.0	
20	QPSK	50	56	24.19	23.78	23.67	25.0	1.0	
20	QPSK	100	0	24.15	24.07	23.59			
20	16QAM	1	1	24.25	24.38	24.44			
20	64QAM	1	1	22.71	22.80	22.86			
20	256QAM	1	1	20.45	20.56	20.65	21.5	4.5	
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5	26.0	0.0	
15	PI2 BPSK	1	1	24.52	24.66	24.47	26.0	0.0	
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666	680.5	695	26.0	0.0	
10	PI2 BPSK	1	1	24.47	24.59	24.44	26.0	0.0	
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5	26.0	0.0	
5	PI2 BPSK	1	1	24.49	24.57	24.42	26.0	0.0	

n71_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI/2 BPSK	1	1	24.58	24.67	24.64	26.0	0.0
20	PI/2 BPSK	1	53	24.55	24.66	24.02		
20	PI/2 BPSK	1	104	24.54	24.15	24.05		
20	PI/2 BPSK	50	0	24.52	24.64	24.21	25.5	0.5
20	PI/2 BPSK	50	28	24.57	24.65	24.35	26.0	0.0
20	PI/2 BPSK	50	55	24.50	24.34	23.96	25.5	0.5
20	PI/2 BPSK	100	0	24.61	24.62	24.10		
20	QPSK	1	1	24.55	24.63	24.65	26.0	0.0
20	QPSK	1	53	24.62	24.65	24.05		
20	QPSK	1	104	24.58	24.13	24.07		
20	QPSK	50	0	24.09	24.15	24.00	25.0	1.0
20	QPSK	50	28	24.56	24.64	24.08	26.0	0.0
20	QPSK	50	56	24.19	23.78	23.67	25.0	1.0
20	QPSK	100	0	24.15	24.07	23.99		
20	16QAM	1	1	24.25	24.36	24.44	25.0	1.0
20	64QAM	1	1	22.71	22.80	22.86	23.5	2.5
20	256QAM	1	1	20.45	20.56	20.65	21.5	4.5
Channel				134100	136100	138100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	PI/2 BPSK	1	1	24.52	24.66	24.47	26.0	0.0
Channel				133600	136100	138600	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				666	680.5	693		
10	PI/2 BPSK	1	1	24.47	24.59	24.44	26.0	0.0
Channel				133100	136100	139100	tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	PI/2 BPSK	1	1	24.49	24.57	24.42	26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	24.91	24.81	24.79		
100	PI2 BPSK	1	137	24.90	24.81	24.72	26.0	0.0
100	PI2 BPSK	1	271	24.76	24.83	24.73		
100	PI2 BPSK	135	0	24.40	24.75	24.68	26.0	0.0
100	PI2 BPSK	135	69	24.88	24.83	24.77	26.0	0.0
100	PI2 BPSK	135	138	24.78	24.78	24.74		
100	PI2 BPSK	270	0	24.87	24.82	24.73	26.0	0.0
100	QPSK	1	1	24.85	24.81	24.69		
100	QPSK	1	137	24.90	24.79	24.72	26.0	0.0
100	QPSK	1	271	24.77	24.83	24.78		
100	QPSK	135	0	24.68	24.75	24.63		
100	QPSK	135	69	24.85	24.73	24.77	26.0	0.0
100	QPSK	135	138	24.74	24.72	24.70		
100	QPSK	270	0	24.81	24.74	24.71	26.0	0.0
100	16QAM	1	1	24.78	24.67	24.72	26.0	0.0
100	64QAM	1	1	24.06	24.02	24.01	25.0	1.0
100	256QAM	1	1	21.98	21.87	21.78	23.0	3.0
Channel				649334	650000	650332	limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI2 BPSK	1	1	24.85	24.83	24.61	26.0	0.0
Channel				649334	650000	650666	limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	PI2 BPSK	1	1	24.75	24.61	24.53	26.0	0.0
Channel				649000	650000	663000	limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI2 BPSK	1	1	24.83	24.80	24.55	26.0	0.0
Channel				648668	650000	653332	limit	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	PI2 BPSK	1	1	24.82	24.59	24.53	26.0	0.0
Channel				648334	650000	653666	limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI2 BPSK	1	1	24.77	24.59	24.51	26.0	0.0
Channel				648000	650000	664000	limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI2 BPSK	1	1	24.75	24.62	24.54	26.0	0.0
Channel				647668	650000	654332	limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI2 BPSK	1	1	24.80	24.58	24.54	26.0	0.0
Channel				647334	650000	654666	limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI2 BPSK	1	1	24.78	24.60	24.55	26.0	0.0
Channel				647168	650000	654932	limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI2 BPSK	1	1	24.77	24.57	24.59	26.0	0.0
Channel				647000	650000	655000	limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI2 BPSK	1	1	24.83	24.53	24.52	26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	21.37	21.42	21.26		
100	PI2 BPSK	1	137	21.33	21.38	21.28	22.5	0.0
100	PI2 BPSK	1	271	21.23	21.35	21.19		
100	PI2 BPSK	135	0	21.22	21.37	21.35	22.5	0.0
100	PI2 BPSK	135	69	21.32	21.40	21.36	22.5	0.0
100	PI2 BPSK	135	138	21.28	21.34	21.33		
100	PI2 BPSK	270	0	21.27	21.39	21.17	22.5	0.0
100	QPSK	1	1	21.34	21.38	21.21		
100	QPSK	1	137	21.31	21.41	21.27	22.5	0.0
100	QPSK	1	271	21.21	21.46	21.37		
100	QPSK	135	0	21.34	21.35	21.20		
100	QPSK	135	69	21.17	21.34	21.28	22.5	0.0
100	QPSK	135	138	21.25	21.27	21.13		
100	QPSK	270	0	21.17	21.37	21.30	22.5	0.0
100	16QAM	1	1	21.26	21.41	21.23	22.5	0.0
100	64QAM	1	1	21.19	21.39	21.28	22.5	0.0
100	256QAM	1	1	21.34	21.34	21.20	22.5	0.0
Channel				649668	650000	652332	limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI2 BPSK	1	1	21.10	21.16	21.08	22.5	0.0
Channel				649334	650000	652666	limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	PI2 BPSK	1	1	21.25	21.22	21.07	22.5	0.0
Channel				649000	650000	663000	limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI2 BPSK	1	1	21.12	21.21	21.09	22.5	0.0
Channel				648668	650000	653332	limit	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	PI2 BPSK	1	1	21.18	21.12	21.07	22.5	0.0
Channel				648334	650000	653666	limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI2 BPSK	1	1	21.14	21.20	21.08	22.5	0.0
Channel				648000	650000	664000	limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI2 BPSK	1	1	21.16	21.16	21.13	22.5	0.0
Channel				647668	650000	654332	limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI2 BPSK	1	1	21.11	21.29	21.22	22.5	0.0
Channel				647334	650000	654666	limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI2 BPSK	1	1	21.09	21.16	21.07	22.5	0.0
Channel				647168	650000	654932	limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI2 BPSK	1	1	21.11	21.12	21.19	22.5	0.0
Channel				647000	650000	655000	limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI2 BPSK	1	1	21.19	21.17	21.25	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	14.04	14.00	13.98		
100	PI2 BPSK	1	137	13.97	13.95	13.84	15.0	0.0
100	PI2 BPSK	1	271	14.00	13.98	13.89		
100	PI2 BPSK	135	0	13.86	13.96	13.91	15.0	0.0
100	PI2 BPSK	135	69	14.02	13.99	13.96	15.0	0.0
100	PI2 BPSK	135	138	14.00	13.97	13.91	15.0	0.0
100	PI2 BPSK	270	0	14.00	13.97	13.92	15.0	0.0
100	QPSK	1	1	13.78	13.98	13.96		
100	QPSK	1	137	14.00	14.02	14.02	15.0	0.0
100	QPSK	1	271	13.94	13.96	14.00		
100	QPSK	135	0	13.96	14.01	13.99		
100	QPSK	135	69	13.86	13.94	13.92	15.0	0.0
100	QPSK	135	138	13.91	14.03	13.95		
100	QPSK	270	0	14.03	13.92	13.95	15.0	0.0
100	16QAM	1	1	14.01	13.99	14.02	15.0	0.0
100	64QAM	1	1	13.95	13.97	13.98	15.0	0.0
100	256QAM	1	1	13.82	13.93	13.86	15.0	0.0
Channel				649668	650000	662332	limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI2 BPSK	1	1	13.92	13.72	13.77	15.0	0.0
Channel				649334	650000	652666	limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	PI2 BPSK	1	1	13.86	13.78	13.87	15.0	0.0
Channel				649000	650000	663000	limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI2 BPSK	1	1	13.83	13.72	13.84	15.0	0.0
Channel				648668	650000	663332	limit	MPR
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	PI2 BPSK	1	1	13.75	13.73	13.78	15.0	0.0
Channel				648334	650000	653666	limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI2 BPSK	1	1	13.83	13.90	13.77	15.0	0.0
Channel				648000	650000	664000	limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI2 BPSK	1	1	13.86	13.75	13.76	15.0	0.0
Channel				647668	650000	664332	limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI2 BPSK	1	1	13.87	13.85	13.71	15.0	0.0
Channel				647334	650000	654666	limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI2 BPSK	1	1	13.91	13.80	13.69	15.0	0.0
Channel				647000	650000	665000	limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI2 BPSK	1	1	13.82	13.82	13.76	15.0	0.0
Channel				647000	650000	665000	limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI2 BPSK	1	1	13.75	13.70	13.78	15.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	19.97	19.95	19.95		
100	PI2 BPSK	1	137	19.84	19.89	19.82	21.0	0.0
100	PI2 BPSK	1	271	19.78	19.94	19.88		
100	PI2 BPSK	135	0	19.89	19.84	19.85	21.0	0.0
100	PI2 BPSK	135	69	19.94	19.93	19.91	21.0	0.0
100	PI2 BPSK	135	138	19.86	19.89	19.83	21.0	0.0
100	PI2 BPSK	270	0	19.92	19.91	19.85		
100	QPSK	1	1	19.81	19.94	19.81		
100	QPSK	1	137	19.87	19.91	19.83	21.0	0.0
100	QPSK	1	271	19.85	19.82	19.85		
100	QPSK	135	0	19.71	19.87	19.76		
100	QPSK	135	69	19.78	19.92	19.76	21.0	0.0
100	QPSK	135	138	19.74	19.84	19.79		
100	QPSK	270	0	19.77	19.82	19.71	21.0	0.0
100	16QAM	1	1	19.89	19.80	19.85	21.0	0.0
100	64QAM	1	1	19.90	19.90	19.89	21.0	0.0
100	256QAM	1	1	19.85	19.87	19.81	21.0	0.0
Channel				650000	650000	662332	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI2 BPSK	1	1	19.93	19.92	19.95	21.0	0.0
Channel				649334	650000	662666	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI2 BPSK	1	1	19.77	19.89	19.91	21.0	0.0
Channel				649000	650000	661000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI2 BPSK	1	1	19.88	19.94	19.78	21.0	0.0
Channel				648668	650000	661332	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI2 BPSK	1	1	19.78	19.76	19.85	21.0	0.0
Channel				648334	650000	661666	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.98		
50	PI2 BPSK	1	1	19.77	19.85	19.95	21.0	0.0
Channel				648000	650000	661000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3950		
40	PI2 BPSK	1	1	19.85	19.78	19.94	21.0	0.0
Channel				647668	650000	661332	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI2 BPSK	1	1	19.91	19.83	19.88	21.0	0.0
Channel				647334	650000	661666	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI2 BPSK	1	1	19.78	19.93	19.78	21.0	0.0
Channel				647168	650000	661632	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI2 BPSK	1	1	19.86	19.82	19.91	21.0	0.0
Channel				647000	650000	661000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI2 BPSK	1	1	19.79	19.87	19.91	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI2 BPSK	1	1		24.96			
100	PI2 BPSK	1	137		24.70		26.0	0.0
100	PI2 BPSK	1	271		24.80			
100	PI2 BPSK	135	0		24.89		26.0	0.0
100	PI2 BPSK	135	69		24.83		26.0	0.0
100	PI2 BPSK	135	138		24.47		26.0	0.0
100	PI2 BPSK	270	0		24.81			
100	QPSK	1	1		24.81			
100	QPSK	1	137		24.73		26.0	0.0
100	QPSK	1	271		24.46			
100	QPSK	135	0		24.87			
100	QPSK	135	69		24.57		26.0	0.0
100	QPSK	135	138		24.44			
100	QPSK	270	0		24.66		26.0	0.0
100	16QAM	1	1		24.71		26.0	0.0
100	64QAM	1	1		24.67		25.0	1.0
100	256QAM	1	1		21.88		23.0	3.0
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1	24.77	24.76	24.78	26.0	0.0
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	24.74	24.73	24.81	26.0	0.0
Channel				649000	650000	651000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI2 BPSK	1	1	24.79	24.73	24.80	26.0	0.0
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	24.82	24.79	24.78	26.0	0.0
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI2 BPSK	1	1	24.69	24.81	24.85	26.0	0.0
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI2 BPSK	1	1	24.84	24.78	24.82	26.0	0.0
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI2 BPSK	1	1	24.83	24.75	24.78	26.0	0.0
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI2 BPSK	1	1	24.84	24.80	24.72	26.0	0.0
Channel				647168	650000	652632	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI2 BPSK	1	1	24.81	24.88	24.84	26.0	0.0
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI2 BPSK	1	1	24.85	24.81	24.76	26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					650000			
Frequency (MHz)					3750			
100	PI2 BPSK	1	1		21.40			
100	PI2 BPSK	1	137		21.37		22.5	0.0
100	PI2 BPSK	1	271		21.38			
100	PI2 BPSK	135	0		21.35		22.5	0.0
100	PI2 BPSK	135	69		21.39		22.5	0.0
100	PI2 BPSK	135	138		21.28		22.5	0.0
100	PI2 BPSK	270	0		21.37			
100	QPSK	1	1		21.34			
100	QPSK	1	137		21.33		22.5	0.0
100	QPSK	1	271		21.38			
100	QPSK	135	0		21.34			
100	QPSK	135	69		21.27		22.5	0.0
100	QPSK	135	138		21.29			
100	QPSK	270	0		21.28		22.5	0.0
100	16QAM	1	1		21.39		22.5	0.0
100	64QAM	1	1		21.37		22.5	0.0
100	256QAM	1	1		21.33		22.5	0.0
Channel				649668	650000	650332	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI2 BPSK	1	1	21.33	21.27	21.21	22.5	0.0
Channel				649334	650000	650666	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI2 BPSK	1	1	21.28	21.32	21.19	22.5	0.0
Channel				649000	650000	651000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI2 BPSK	1	1	21.31	21.35	21.14	22.5	0.0
Channel				648668	650000	651332	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI2 BPSK	1	1	21.39	21.21	21.15	22.5	0.0
Channel				648334	650000	651666	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI2 BPSK	1	1	21.34	21.17	21.18	22.5	0.0
Channel				648000	650000	652000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI2 BPSK	1	1	21.35	21.31	21.11	22.5	0.0
Channel				647668	650000	652332	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI2 BPSK	1	1	21.23	21.21	21.18	22.5	0.0
Channel				647334	650000	652666	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI2 BPSK	1	1	21.34	21.20	21.26	22.5	0.0
Channel				647168	650000	652632	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI2 BPSK	1	1	21.28	21.31	21.22	22.5	0.0
Channel				647000	650000	653000	1 tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI2 BPSK	1	1	21.34	21.18	21.23	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		3750	15.0	0.0	
100	PV2 BPSK	1	1	13.96					
100	PV2 BPSK	1	137	13.95					
100	PV2 BPSK	1	271	13.97					
100	PV2 BPSK	135	0	13.87			15.0	0.0	
100	PV2 BPSK	135	69	13.93			15.0	0.0	
100	PV2 BPSK	135	138	13.86			15.0	0.0	
100	PV2 BPSK	270	0	13.89					
100	QPSK	1	1	13.94			15.0	0.0	
100	QPSK	1	137	13.87					
100	QPSK	1	271	13.91					
100	QPSK	135	0	13.93					
100	QPSK	135	69	13.89			15.0	0.0	
100	QPSK	135	138	13.88			15.0	0.0	
100	QPSK	270	0	13.93					
100	16QAM	1	1	13.95			15.0	0.0	
100	64QAM	1	1	13.90			15.0	0.0	
100	256QAM	1	1	13.92			15.0	0.0	
Channel				649968	650000	650332	15.0	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	15.0	0.0	
90	PV2 BPSK	1	1	13.80	13.84	13.88	15.0	0.0	
Channel				649334	650000	650666	15.0	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	15.0	0.0	
80	PV2 BPSK	1	1	13.79	13.78	13.81	15.0	0.0	
Channel				649000	650000	651000	15.0	MPR (dB)	
Frequency (MHz)				3735	3750	3765	15.0	0.0	
70	PV2 BPSK	1	1	13.68	13.74	13.84	15.0	0.0	
Channel				648668	650000	651332	15.0	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	15.0	0.0	
60	PV2 BPSK	1	1	13.78	13.74	13.70	15.0	0.0	
Channel				648334	650000	651666	15.0	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	15.0	0.0	
50	PV2 BPSK	1	1	13.67	13.74	13.71	15.0	0.0	
Channel				648000	650000	652000	15.0	MPR (dB)	
Frequency (MHz)				3720	3750	3780	15.0	0.0	
40	PV2 BPSK	1	1	13.65	13.76	13.80	15.0	0.0	
Channel				647668	650000	652332	15.0	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98	15.0	0.0	
30	PV2 BPSK	1	1	13.69	13.79	13.71	15.0	0.0	
Channel				647334	650000	652666	15.0	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	15.0	0.0	
20	PV2 BPSK	1	1	13.78	13.74	13.74	15.0	0.0	
Channel				647168	650000	652832	15.0	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	15.0	0.0	
15	PV2 BPSK	1	1	13.76	13.67	13.80	15.0	0.0	
Channel				647000	650000	653000	15.0	MPR (dB)	
Frequency (MHz)				3705	3750	3795	15.0	0.0	
10	PV2 BPSK	1	1	13.61	13.83	13.87	15.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000		3750	21.0	0.0	
100	PV2 BPSK	1	1	19.86					
100	PV2 BPSK	1	137	19.84					
100	PV2 BPSK	1	271	19.91					
100	PV2 BPSK	135	0	19.93			21.0	0.0	
100	PV2 BPSK	135	69	19.95			21.0	0.0	
100	PV2 BPSK	135	138	19.91			21.0	0.0	
100	PV2 BPSK	270	0	19.92					
100	QPSK	1	1	19.95			21.0	0.0	
100	QPSK	1	137	19.88					
100	QPSK	1	271	19.91					
100	QPSK	135	0	19.86					
100	QPSK	135	69	19.92			21.0	0.0	
100	QPSK	135	138	19.91			21.0	0.0	
100	QPSK	270	0	19.87					
100	16QAM	1	1	19.90			21.0	0.0	
100	64QAM	1	1	19.93			21.0	0.0	
100	256QAM	1	1	19.89			21.0	0.0	
Channel				649968	650000	650332	15.0	MPR (dB)	
Frequency (MHz)				3745.02	3750	3754.98	15.0	0.0	
90	PV2 BPSK	1	1	19.89	19.88	19.94	21.0	0.0	
Channel				649334	650000	650666	15.0	MPR (dB)	
Frequency (MHz)				3740.01	3750	3759.99	15.0	0.0	
80	PV2 BPSK	1	1	19.71	19.77	19.80	21.0	0.0	
Channel				649000	650000	651000	15.0	MPR (dB)	
Frequency (MHz)				3735	3750	3765	15.0	0.0	
70	PV2 BPSK	1	1	19.72	19.69	19.88	21.0	0.0	
Channel				648668	650000	651332	15.0	MPR (dB)	
Frequency (MHz)				3730.02	3750	3769.98	15.0	0.0	
60	PV2 BPSK	1	1	19.81	19.69	19.84	21.0	0.0	
Channel				648334	650000	651666	15.0	MPR (dB)	
Frequency (MHz)				3725.01	3750	3774.99	15.0	0.0	
50	PV2 BPSK	1	1	19.74	19.82	19.76	21.0	0.0	
Channel				648000	650000	652000	15.0	MPR (dB)	
Frequency (MHz)				3720	3750	3780	15.0	0.0	
40	PV2 BPSK	1	1	19.77	19.87	19.74	21.0	0.0	
Channel				647668	650000	652332	15.0	MPR (dB)	
Frequency (MHz)				3715.02	3750	3784.98	15.0	0.0	
30	PV2 BPSK	1	1	19.84	19.87	19.89	21.0	0.0	
Channel				647334	650000	652666	15.0	MPR (dB)	
Frequency (MHz)				3710.01	3750	3789.99	15.0	0.0	
20	PV2 BPSK	1	1	19.84	19.72	19.91	21.0	0.0	
Channel				647168	650000	652832	15.0	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.48	15.0	0.0	
15	PV2 BPSK	1	1	19.86	19.87	19.96	21.0	0.0	
Channel				647000	650000	653000	15.0	MPR (dB)	
Frequency (MHz)				3705	3750	3795	15.0	0.0	
10	PV2 BPSK	1	1	19.85	19.80	19.87	21.0	0.0	