

10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10823	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %

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 %

[¶] 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 level/Default Power level for WWAN

GSM850 Ant0 Default power								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	24.2	25.4	26.8		24.2	25.4	26.8	
Frequency (MHz)	33.07	33.13	33.05	33.50	24.07	24.13	24.05	24.50
GSM 1 Tx slot	33.05	33.12	33.02	33.50	24.05	24.12	24.02	24.50
GPRS 2 Tx slots	32.05	32.13	32.03	32.50	26.05	26.13	26.03	26.50
GPRS 3 Tx slots	30.01	30.03	29.99	30.50	25.75	25.77	25.73	26.24
GPRS 4 Tx slots	28.90	28.91	28.84	29.50	25.90	25.91	25.84	26.50
EDGE 1 Tx slot	27.04	27.00	26.95	27.50	18.04	18.00	17.95	18.50
EDGE 2 Tx slots	25.33	25.31	25.23	25.50	19.33	19.31	19.23	19.50
EDGE 3 Tx slots	23.79	23.74	23.68	24.00	19.53	19.48	19.42	19.74
EDGE 4 Tx slots	22.63	22.52	22.48	23.50	19.63	19.52	19.48	20.50

WCDMA V Ant0 Default power				
Band	WCDMA V			Tune-up Limit (dBm)
TX Channel	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.51	24.63	24.52
3GPP Rel 99	RMC 12.2Kbps	24.55	24.65	24.53
3GPP Rel 6	HSDPA Subtest-1	23.78	23.72	23.68
3GPP Rel 6	HSDPA Subtest-2	23.73	23.72	23.65
3GPP Rel 6	HSDPA Subtest-3	23.27	23.22	23.17
3GPP Rel 6	HSDPA Subtest-4	23.23	23.20	23.15
3GPP Rel 8	DC-HSDPA Subtest-1	23.62	23.50	23.57
3GPP Rel 8	DC-HSDPA Subtest-2	23.58	23.55	23.41
3GPP Rel 8	DC-HSDPA Subtest-3	23.13	22.92	23.03
3GPP Rel 8	DC-HSDPA Subtest-4	23.09	22.96	22.93
3GPP Rel 6	HSUPA Subtest-1	23.73	23.65	23.61
3GPP Rel 6	HSUPA Subtest-2	21.82	21.65	21.59
3GPP Rel 6	HSUPA Subtest-3	22.72	22.67	22.63
3GPP Rel 6	HSUPA Subtest-4	21.26	21.26	21.19
3GPP Rel 6	HSUPA Subtest-5	22.70	22.70	22.60

Band 5 Ant0 Default power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				826	836.5	846				
10	QPSK	1	0	24.20	24.30	24.15	25.5	0		
10	QPSK	1	25	24.31	24.24	24.16				
10	QPSK	1	49	24.22	24.17	24.12				
10	QPSK	25	0	23.22	23.24	23.16	24.5	1		
10	QPSK	25	12	23.21	23.17	23.16				
10	QPSK	25	25	23.19	23.15	23.14				
10	QPSK	50	0	23.22	23.23	23.18	24.5	1		
10	16QAM	1	0	23.37	23.41	23.36				
10	16QAM	1	25	23.49	23.45	23.35				
10	16QAM	1	49	23.40	23.36	23.29	23.5	2		
10	16QAM	25	0	22.19	22.21	22.16				
10	16QAM	25	12	22.20	22.16	22.17				
10	16QAM	25	25	22.18	22.14	22.16	22.5	3		
10	16QAM	50	0	22.20	22.15	22.15				
10	64QAM	1	0	22.32	22.37	22.31				
10	64QAM	1	25	22.45	22.39	22.30	23.5	2		
10	64QAM	1	49	22.33	22.32	22.27				
10	64QAM	25	0	21.19	21.20	21.14				
10	64QAM	25	12	21.19	21.17	21.15	22.5	3		
10	64QAM	25	25	21.17	21.14	21.16				
10	64QAM	50	0	21.18	21.14	21.11				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	24.23	24.24	24.16	25.5	0		
5	QPSK	1	12	24.27	24.26	24.16				
5	QPSK	1	24	24.29	24.21	24.14				
5	QPSK	12	0	23.20	23.24	23.20	24.5	1		
5	QPSK	12	7	23.24	23.22	23.13				
5	QPSK	12	13	23.21	23.11	23.12				
5	QPSK	25	0	23.22	23.18	23.11	24.5	1		
5	16QAM	1	0	23.40	23.43	23.34				
5	16QAM	1	12	23.46	23.43	23.33				
5	16QAM	1	24	23.48	23.37	23.30	23.5	2		
5	16QAM	12	0	22.18	22.22	22.12				
5	16QAM	12	7	22.18	22.17	22.11				
5	16QAM	12	13	22.17	22.09	22.06	23.5	2		
5	16QAM	25	0	22.02	22.17	22.13				
5	64QAM	1	0	22.35	22.38	22.33				
5	64QAM	1	12	22.41	22.41	22.32	23.5	2		
5	64QAM	1	24	22.42	22.34	22.30				
5	64QAM	12	0	21.17	21.17	21.13				
5	64QAM	12	7	21.18	21.15	21.10	22.5	3		
5	64QAM	12	13	21.13	21.06	21.08				
5	64QAM	25	0	21.22	21.14	21.12				
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	847.5				
3	QPSK	1	0	24.24	24.24	24.13	25.5	0		
3	QPSK	1	8	24.25	24.19	24.12				
3	QPSK	1	14	24.27	24.16	24.10				
3	QPSK	8	0	23.21	23.15	23.12	24.5	1		
3	QPSK	8	4	23.22	23.21	23.14				
3	QPSK	8	7	23.21	23.19	23.08				
3	QPSK	15	0	23.18	23.17	23.11	24.5	1		
3	16QAM	1	0	23.40	23.42	23.28				
3	16QAM	1	8	23.44	23.36	23.25				
3	16QAM	1	14	23.46	23.34	23.31	23.5	2		
3	16QAM	8	0	22.25	22.23	22.16				
3	16QAM	8	4	22.26	22.24	22.20				
3	16QAM	8	7	22.25	22.25	22.18	23.5	2		
3	16QAM	15	0	22.22	22.20	22.15				
3	64QAM	1	0	22.35	22.34	22.29				
3	64QAM	1	8	22.36	22.37	22.26	23.5	2		
3	64QAM	1	14	22.46	22.33	22.26				
3	64QAM	8	0	21.22	21.21	21.12				
3	64QAM	8	4	21.22	21.19	21.14	22.5	3		
3	64QAM	8	7	21.24	21.17	21.14				
3	64QAM	15	0	21.18	21.18	21.11				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	24.22	24.18	24.16	25.5	0		
1.4	QPSK	1	3	24.25	24.24	24.14				
1.4	QPSK	1	5	24.24	24.21	24.15				
1.4	QPSK	3	0	24.23	24.19	24.19	24.5	1		
1.4	QPSK	3	1	24.21	24.24	24.16				
1.4	QPSK	3	3	24.25	24.21	24.17				
1.4	QPSK	6	0	23.23	23.26	23.19	24.5	1		
1.4	16QAM	1	0	23.39	23.46	23.36				
1.4	16QAM	1	3	23.44	23.46	23.36				
1.4	16QAM	1	5	23.45	23.44	23.32	23.5	1		
1.4	16QAM	3	0	23.25	23.24	23.22				
1.4	16QAM	3	1	23.22	23.27	23.22				
1.4	16QAM	3	3	23.22	23.22	23.20	23.5	2		
1.4	16QAM	6	0	22.27	22.26	22.22				
1.4	64QAM	1	0	22.35	22.42	22.38				
1.4	64QAM	1	3	22.38	22.41	22.34	23.5	2		
1.4	64QAM	1	5	22.43	22.45	22.34				
1.4	64QAM	3	0	22.31	22.31	22.26				
1.4	64QAM	3	1	22.29	22.31	22.25	22.5	3		
1.4	64QAM	3	3	22.26	22.29	22.25				
1.4	64QAM	6	0	21.16	21.22	21.17				

Band 7 Ant0 Default power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	24.08	24.12	24.04	25.5	0		
20	QPSK	1	49	23.93	23.89	23.83				
20	QPSK	1	99	23.81	23.73	23.81				
20	QPSK	50	0	22.88	22.95	22.78	24.5	1		
20	QPSK	50	24	22.94	22.89	22.85				
20	QPSK	50	50	22.92	22.85	22.82				
20	QPSK	100	0	22.85	22.86	22.80	24.5	1		
20	16QAM	1	0	23.00	23.00	22.94				
20	16QAM	1	49	23.20	23.18	23.10				
20	16QAM	1	99	23.14	23.06	23.05	23.5	2		
20	16QAM	50	0	21.86	21.86	21.76				
20	16QAM	50	24	21.90	21.91	21.79				
20	16QAM	50	50	21.87	21.84	21.84	22.5	3		
20	16QAM	100	0	21.83	21.86	21.75				
20	64QAM	1	0	21.85	21.89	21.82				
20	64QAM	1	49	22.10	22.14	22.00	23.5	2		
20	64QAM	1	99	22.02	21.98	21.97				
20	64QAM	50	0	20.86	20.86	20.72				
20	64QAM	50	24	20.87	20.88	20.80	22.5	3		
20	64QAM	50	50	20.86	20.85	20.80				
20	64QAM	100	0	20.84	20.93	20.79				
Channel				20825	21100	21375	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	23.88	24.10	23.92	25.5	0		
15	QPSK	1	37	23.91	23.77	23.73				
15	QPSK	1	74	23.62	23.70	23.63				
15	QPSK	36	0	22.79	22.93	22.74	24.5	1		
15	QPSK	36	20	22.91	22.79	22.70				
15	QPSK	36	39	22.87	22.84	22.61				
15	QPSK	75	0	22.79	22.85	22.64	24.5	1		
15	16QAM	1	0	22.86	22.87	22.88				
15	16QAM	1	37	23.16	23.12	23.02				
15	16QAM	1	74	23.08	22.88	22.90	23.5	2		
15	16QAM	36	0	21.70	21.71	21.76				
15	16QAM	36	20	21.72	21.89	21.70				
15	16QAM	36	39	21.78	21.86	21.77	22.5	3		
15	16QAM	75	0	21.75	21.75	21.76				
15	64QAM	1	0	21.68	21.83	21.79				
15	64QAM	1	37	21.94	22.00	21.93	23.5	2		
15	64QAM	1	74	21.93	21.78	21.85				
15	64QAM	36	0	20.71	20.78	20.52				
15	64QAM	36	20	20.71	20.67	20.67	22.5	3		
15	64QAM	36	39	20.69	20.87	20.62				
15	64QAM	75	0	20.73	20.83	20.60				
Channel				20800	21100	21400	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	24.03	24.10	23.99	25.5	0		
10	QPSK	1	25	23.88	23.71	23.68				
10	QPSK	1	49	23.77	23.63	23.63				
10	QPSK	25	0	22.86	22.95	22.85	24.5	1		
10	QPSK	25	12	22.72	22.85	22.86				
10	QPSK	25	25	22.76	22.82	22.70				
10	QPSK	50	0	22.86	22.78	22.68	24.5	1		
10	16QAM	1	0	22.87	22.80	22.93				
10	16QAM	1	25	23.06	23.04	22.96				
10	16QAM	1	49	22.86	23.01	22.96	23.5	2		
10	16QAM	25	0	21.65	21.85	21.64				
10	16QAM	25	12	21.80	21.89	21.71				
10	16QAM	25	25	21.80	21.84	21.69	22.5	3		
10	16QAM	50	0	21.73	21.85	21.63				
10	64QAM	1	0	21.65	21.73	21.81				
10	64QAM	1	25	22.11	22.06	21.90	23.5	2		
10	64QAM	1	49	21.84	21.94	21.97				
10	64QAM	25	0	20.79	20.74	20.81				
10	64QAM	25	12	20.87	20.81	20.64	22.5	3		
10	64QAM	25	25	20.85	20.73	20.59				
10	64QAM	50	0	20.76	20.89	20.73				
Channel				20875	21100	21425	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2507.5	2535	2567.5				
5	QPSK	1	0	23.97	24.07	24.00	25.5	0		
5	QPSK	1	12	23.75	23.68	23.74				
5	QPSK	1	24	23.83	23.64	23.65				
5	QPSK	12	0	22.75	22.80	22.77	24.5	1		
5	QPSK	12	7	22.83	22.85	22.67				
5	QPSK	12	13	22.94	22.74	22.67				
5	QPSK	25	0	22.74	22.79	22.67	23.5	2		
5	16QAM	1	0	22.82	22.88	22.83				
5	16QAM	1	12	23.00	23.15	22.88				
5	16QAM	1	24	23.08	22.87	23.07	22.5	2		
5	16QAM	12	0	21.85	21.65	21.56				
5	16QAM	12	7	21.74	21.79	21.65				
5	16QAM	12	13	21.71	21.71	21.65	22.5	3		
5	16QAM	25	0	21.76	21.84	21.56				
5	64QAM	1	0	21.66	21.70	21.82				
5	64QAM	1	12	21.92	22.06	22.00	23.5	2		
5	64QAM	1	24	21.94	21.92	21.83				
5	64QAM	12	0	20.76	20.66	20.52				
5	64QAM	12	7	20.67	20.72	20.61	22.5	3		
5	64QAM	12	13	20.68	20.74	20.71				
5	64QAM	25	0	20.80	20.78	20.75				

Band 13 Ant0 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				2320					
Frequency (MHz)				762					
10	QPSK	1	0		24.56		25.5	0	
10	QPSK	1	25		24.48				
10	QPSK	1	49		24.41				
10	QPSK	25	0		23.38				
10	QPSK	25	12		23.28		24.5	1	
10	QPSK	25	25		23.29				
10	QPSK	50	0		23.41				
10	16QAM	1	0		23.54				
10	16QAM	1	25		23.46		24.5	1	
10	16QAM	1	49		23.39				
10	16QAM	25	0		22.38				
10	16QAM	25	12		22.27				
10	16QAM	25	25		22.24		23.5	2	
10	16QAM	50	0		22.36				
10	64QAM	1	0		22.99				
10	64QAM	1	25		22.50				
10	64QAM	1	49		22.39		23.5	2	
10	64QAM	25	0		21.34				
10	64QAM	25	12		21.21				
10	64QAM	25	25		21.28				
10	64QAM	50	0		21.49		22.5	3	
Channel				23205					
Frequency (MHz)				779.5					
5	QPSK	1	0	24.34	24.47	24.37	25.5	0	
5	QPSK	1	12	24.24	24.35	24.30			
5	QPSK	1	24	24.23	24.32	24.22			
5	QPSK	12	0	23.21	23.27	23.19			
5	QPSK	12	7	23.10	23.16	23.07	24.5	1	
5	QPSK	12	13	23.12	23.19	23.10			
5	QPSK	25	0	23.18	23.33	23.18			
5	16QAM	1	0	23.34	23.44	23.32			
5	16QAM	1	12	23.29	23.37	23.27	24.5	1	
5	16QAM	1	24	23.18	23.26	23.19			
5	16QAM	12	0	22.20	22.28	22.16			
5	16QAM	12	7	22.06	22.20	22.07			
5	16QAM	12	13	22.03	22.12	22.03	23.5	2	
5	16QAM	25	0	22.16	22.26	22.15			
5	64QAM	1	0	22.43	22.46	22.38			
5	64QAM	1	12	22.26	22.43	22.35			
5	64QAM	1	24	22.22	22.28	22.24	23.5	2	
5	64QAM	12	0	21.16	21.25	21.17			
5	64QAM	12	7	21.03	21.10	21.01			
5	64QAM	12	13	21.09	21.20	21.10			
5	64QAM	25	0	21.25	21.37	21.31	22.5	3	

Band 17 Ant0 Default power											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)			
Channel				23780	23790	23800					
Frequency (MHz)				709	710	711					
10	QPSK	1	0	24.49	24.56	24.53	25.5	0			
10	QPSK	1	25	24.40	24.46	24.38					
10	QPSK	1	49	24.42	24.49	24.39					
10	QPSK	25	0	23.42	23.46	23.45					
10	QPSK	25	12	23.29	23.34	23.39	24.5	1			
10	QPSK	25	25	23.32	23.38	23.36					
10	QPSK	50	0	23.40	23.43	23.40					
10	16QAM	1	0	23.49	23.59	23.55					
10	16QAM	1	25	23.38	23.44	23.34	24.5	1			
10	16QAM	1	49	23.41	23.47	23.37					
10	16QAM	25	0	22.45	22.44	22.47					
10	16QAM	25	12	22.26	22.35	22.38					
10	16QAM	25	25	22.35	22.39	22.35	23.5	2			
10	16QAM	50	0	22.35	22.43	22.44					
10	64QAM	1	0	22.48	22.54	22.54					
10	64QAM	1	25	22.35	22.42	22.32					
10	64QAM	1	49	22.45	22.42	22.34	23.5	2			
10	64QAM	25	0	21.42	21.46	21.52					
10	64QAM	25	12	21.26	21.34	21.36					
10	64QAM	25	25	21.37	21.35	21.30					
10	64QAM	50	0	21.40	21.39	21.49	22.5	3			
Channel				23765	23790	23825				Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				706.5	710	715.5					
5	QPSK	1	0	24.44	24.41	24.44	25.5	0			
5	QPSK	1	12	24.32	24.32	24.28					
5	QPSK	1	24	24.28	24.41	24.33					
5	QPSK	12	0	23.31	23.34	23.34					
5	QPSK	12	7	23.19	23.26	23.24	24.5	1			
5	QPSK	12	13	23.21	23.32	23.21					
5	QPSK	25	0	23.30	23.31	23.25					
5	16QAM	1	0	23.40	23.44	23.41					
5	16QAM	1	12	23.23	23.34	23.19	24.5	1			
5	16QAM	1	24	23.31	23.35	23.32					
5	16QAM	12	0	22.31	22.33	22.40					
5	16QAM	12	7	22.18	22.27	22.26					
5	16QAM	12	13	22.27	22.32	22.21	23.5	2			
5	16QAM	25	0	22.25	22.36	22.30					
5	64QAM	1	0	22.38	22.47	22.45					
5	64QAM	1	12	22.26	22.29	22.22					
5	64QAM	1	24	22.30	22.36	22.19	23.5	2			
5	64QAM	12	0	21.35	21.34	21.43					
5	64QAM	12	7	21.15	21.29	21.28					
5	64QAM	12	13	21.23	21.24	21.16					
5	64QAM	25	0	21.32	21.30	21.37	22.5	3			

Band 26 Ant0 Default power												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)				
Channel				26765	26865	26865						
Frequency (MHz)				821.5	831.5	841.5						
15	QPSK	1	0	24.55	24.60	24.57	25.5	0				
15	QPSK	1	37	24.41	24.46	24.51						
15	QPSK	1	74	24.43	24.49	24.46						
15	QPSK	36	0	23.52	23.59	23.58						
15	QPSK	36	20	23.46	23.43	23.44	24.5	1				
15	QPSK	36	39	23.43	23.54	23.52						
15	QPSK	75	0	23.56	23.64	23.50						
15	16QAM	1	0	23.58	23.58	23.62						
15	16QAM	1	37	23.39	23.46	23.46	24.5	1				
15	16QAM	1	74	23.48	23.51	23.49						
15	16QAM	36	0	22.51	22.65	22.54						
15	16QAM	36	20	22.41	22.50	22.50						
15	16QAM	36	39	22.44	22.56	22.48	23.5	2				
15	16QAM	75	0	22.59	22.63	22.50						
15	64QAM	1	0	22.59	22.55	22.62						
15	64QAM	1	37	22.35	22.52	22.47						
15	64QAM	1	74	22.48	22.56	22.50	23.5	2				
15	64QAM	36	0	21.47	21.69	21.56						
15	64QAM	36	20	21.43	21.54	21.56						
15	64QAM	36	39	21.46	21.63	21.46						
15	64QAM	75	0	21.56	21.58	21.49	22.5	3				
Channel				26740	26865	26860						
Frequency (MHz)				819	831.5	844						
10	QPSK	1	0	24.46	24.52	24.47	25.5	0				
10	QPSK	1	25	24.26	24.32	24.41						
10	QPSK	1	49	24.31	24.38	24.32						
10	QPSK	25	0	23.38	23.50	23.44						
10	QPSK	25	12	23.36	23.33	23.29	24.5	1				
10	QPSK	25	25	23.28	23.41	23.42						
10	QPSK	50	0	23.42	23.57	23.36						
10	16QAM	1	0	23.50	23.46	23.52						
10	16QAM	1	25	23.31	23.37	23.34	24.5	1				
10	16QAM	1	49	23.39	23.43	23.38						
10	16QAM	25	0	22.43	22.54	22.44						
10	16QAM	25	12	22.30	22.38	22.40						
10	16QAM	25	25	22.32	22.48	22.35	23.5	2				
10	16QAM	50	0	22.47	22.54	22.43						
10	64QAM	1	0	22.49	22.47	22.53						
10	64QAM	1	25	22.26	22.42	22.34						
10	64QAM	1	49	22.35	22.49	22.43	23.5	2				
10	64QAM	25	0	21.38	21.55	21.42						
10	64QAM	25	12	21.31	21.42	21.46						
10	64QAM	25	25	21.38	21.48	21.35						
10	64QAM	50	0	21.47	21.48	21.36	22.5	3				
Channel				816.5	831.5	846.5						
Frequency (MHz)				816.5	831.5	846.5						
5	QPSK	1	0	24.46	24.46	24.44	25.5	0				
5	QPSK	1	12	24.31	24.31	24.37						
5	QPSK	1	24	24.29	24.36	24.38						
5	QPSK	12	0	23.39	23.51	23.50						
5	QPSK	12	7	23.32	23.30	23.33	24.5	1				
5	QPSK	12	10	23.35	23.35	23.41						
5	QPSK	25	0	23.44	23.54	23.39						
5	16QAM	1	0	23.45	23.44	23.52						
5	16QAM	1	12	23.26	23.33	23.34	24.5	1				
5	16QAM	1	24	23.37	23.40	23.38						
5	16QAM	12	0	22.37	22.57	22.42						
5	16QAM	12	7	22.36	22.36	22.38						
5	16QAM	12	13	22.33	22.25	22.38	23.5	2				
5	16QAM	25	0	22.48	22.54	22.36						
5	64QAM	1	0	22.51	22.44	22.54						
5	64QAM	1	12	22.23	22.39	22.38						
5	64QAM	1	24	22.41	22.43	22.40	23.5	2				
5	64QAM	12	0	21.36	21.61	21.44						
5	64QAM	12	7	21.28	21.45	21.46						
5	64QAM	12	13	21.38	21.54	21.32						
5	64QAM	25	0	21.49	21.47	21.35	22.5	3				
Channel				26705	26865	27025						
Frequency (MHz)				815.5	831.5	847.5						
3	QPSK	1	0	24.46	24.45	24.45	25.5	0				
3	QPSK	1	6	24.30	24.32	24.43						
3	QPSK	1	24	24.35	24.35	24.31						
3	QPSK	6	0	23.38	23.45	23.49						
3	QPSK	6	4	23.39	23.28	23.35	24.5	1				
3	QPSK	6	7	23.26	23.43	23.38						
3	QPSK	15	0	23.46	23.56	23.37						
3	16QAM	1	0	23.46	23.50	23.45						
3	16QAM	1	6	23.26	23.33	23.31	24.5	1				
3	16QAM	1	14	23.37	23.40	23.33						
3	16QAM	6	0	22.39	22.44	22.42						
3	16QAM	6	4	22.31	22.39	22.42						
3	16QAM	6	7	22.30	22.43	22.34	23.5	2				
3	16QAM	15	0	22.49	22.53	22.39						
3	64QAM	1	0	22.51	22.42	22.55						
3	64QAM	1	6	22.24	22.38	22.31						
3	64QAM	1	14	22.32	22.45	22.35	23.5	2				
3	64QAM	6	0	21.33	21.56	21.48						
3	64QAM	6	4	21.31	21.37	21.43						
3	64QAM	6	7	21.37	21.55	21.31						
3	64QAM	15	0	21.45	21.45	21.42	22.5	3				
Channel				26697	26865	27033						
Frequency (MHz)				814.7	831.5	848.3						
1.4	QPSK	1	0	24.38	24.43	24.50	25.5	0				
1.4	QPSK	1	3	24.29	24.36	24.40						
1.4	QPSK	1	5	24.27	24.40	24.38						
1.4	QPSK	3	0	24.43	24.46	24.49						
1.4	QPSK	3	1	24.36	24.35	24.29	24.5	1				
1.4	QPSK	3	3	24.28	24.46	24.37						
1.4	QPSK	6	0	23.47	23.47	23.40						
1.4	16QAM	1	0	23.51	23.49	23.47						
1.4	16QAM	1	3	23.31	23.37	23.33	24.5	1				
1.4	16QAM	1	5	23.35	23.42	23.36						
1.4	16QAM	3	0	23.38	23.52	23.42						
1.4	16QAM	3	3	23.28	23.45	23.41						
1.4	16QAM	3	3	23.31	23.40	23.33	23.5	2				
1.4	16QAM	6	0	22.47	22.56	22.43						
1.4	64QAM	1	0	22.46	22.38	22.53						
1.4	64QAM	1	3	22.25	22.43	22.39						
1.4	64QAM	1	5	22.35	22.46	22.35	23.5	2				
1.4	64QAM	3	0	22.38	22.52	22.44						
1.4	64QAM	3	1	22.27	22.42	22.48						
1.4	64QAM	3	3	22.33	22.51	22.36						
1.4	64QAM	6	0	21.43	21.49	21.34	22.5	3				

Band 38 Ant0 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.54	24.55	24.51	24.5	1	
20	QPSK	1	49	24.50	24.46	24.33			
20	QPSK	1	99	24.36	24.26	24.17			
20	QPSK	50	0	23.50	23.52	23.28			
20	QPSK	50	24	23.51	23.37	23.29			
20	QPSK	50	50	23.46	23.31	23.25	24.5	1	
20	QPSK	100	0	23.44	23.48	23.34			
20	16QAM	1	0	23.43	23.33	23.20			
20	16QAM	1	49	23.51	23.45	23.30			
20	16QAM	1	99	23.33	23.24	23.12			
20	16QAM	50	0	22.50	22.41	22.28	23.5	2	
20	16QAM	50	24	22.51	22.37	22.28			
20	16QAM	50	50	22.46	22.29	22.26			
20	16QAM	100	0	22.46	22.28	22.23			
20	64QAM	1	0	22.20	22.08	21.97			
20	64QAM	1	49	22.28	22.23	22.08	23.5	2	
20	64QAM	1	99	22.09	22.03	21.94			
20	64QAM	50	0	21.47	21.34	21.21			
20	64QAM	50	24	21.42	21.31	21.20			
20	64QAM	50	50	21.39	21.23	21.18	22.5	3	
20	64QAM	100	0	21.51	21.38	21.28			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	24.50	24.34	24.50		24.5	
15	QPSK	1	37	24.51	24.48	24.52			
15	QPSK	1	74	24.48	24.31	24.48	24.5	1	
15	QPSK	36	0	23.48	23.34	23.48			
15	QPSK	36	20	23.47	23.34	23.47			
15	QPSK	36	39	23.41	23.29	23.41			
15	QPSK	75	0	23.50	23.35	23.50			
15	16QAM	1	0	23.50	23.33	23.50	24.5	1	
15	16QAM	1	37	23.58	23.44	23.58			
15	16QAM	1	74	23.46	23.31	23.46			
15	16QAM	36	0	22.42	22.28	22.42			
15	16QAM	36	20	22.45	22.30	22.45	23.5	2	
15	16QAM	36	39	22.38	22.26	22.38			
15	16QAM	75	0	22.47	22.34	22.47			
15	64QAM	1	0	22.28	22.13	22.28			
15	64QAM	1	37	22.33	22.24	22.33			
15	64QAM	1	74	22.24	22.08	22.24	23.5	2	
15	64QAM	36	0	21.48	21.34	21.48			
15	64QAM	36	20	21.46	21.33	21.46			
15	64QAM	36	39	21.42	21.28	21.42			
15	64QAM	75	0	21.46	21.31	21.46	22.5	3	
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	24.46	24.41	24.30		24.5	
10	QPSK	1	25	24.50	24.50	24.40			
10	QPSK	1	49	24.52	24.42	24.29	24.5	1	
10	QPSK	25	0	23.56	23.43	23.29			
10	QPSK	25	12	23.52	23.40	23.30			
10	QPSK	25	25	23.50	23.34	23.25			
10	QPSK	50	0	23.55	23.39	23.30			
10	16QAM	1	0	23.59	23.41	23.28	24.5	1	
10	16QAM	1	25	23.60	23.48	23.36			
10	16QAM	1	49	23.53	23.38	23.25			
10	16QAM	25	0	22.58	22.44	22.33			
10	16QAM	25	12	22.54	22.40	22.32	23.5	2	
10	16QAM	25	25	22.50	22.36	22.27			
10	16QAM	50	0	22.57	22.42	22.30			
10	64QAM	1	0	22.33	22.18	22.07			
10	64QAM	1	25	22.34	22.25	22.14	23.5	2	
10	64QAM	1	49	22.30	22.19	22.04			
10	64QAM	25	0	21.53	21.38	21.26			
10	64QAM	25	12	21.49	21.36	21.27			
10	64QAM	25	25	21.46	21.31	21.20	22.5	3	
10	64QAM	50	0	21.48	21.31	21.24			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	24.49	24.43	24.37		24.5	
5	QPSK	1	12	24.44	24.43	24.38			
5	QPSK	1	24	24.48	24.43	24.31	24.5	1	
5	QPSK	12	0	23.59	23.46	23.33			
5	QPSK	12	7	23.53	23.40	23.27			
5	QPSK	12	13	23.51	23.35	23.26			
5	QPSK	25	0	23.55	23.40	23.24			
5	16QAM	1	0	23.61	23.45	23.34	24.5	1	
5	16QAM	1	12	23.62	23.48	23.34			
5	16QAM	1	24	23.55	23.42	23.26			
5	16QAM	12	0	22.52	22.38	22.23			
5	16QAM	12	7	22.46	22.32	22.20	23.5	2	
5	16QAM	12	13	22.46	22.29	22.17			
5	16QAM	25	0	22.57	22.41	22.30			
5	64QAM	1	0	22.38	22.23	22.14			
5	64QAM	1	12	22.40	22.33	22.13	23.5	2	
5	64QAM	1	24	22.34	22.23	22.10			
5	64QAM	12	0	21.50	21.35	21.23			
5	64QAM	12	7	21.47	21.34	21.16			
5	64QAM	12	13	21.41	21.26	21.15	22.5	3	
5	64QAM	25	0	21.49	21.35	21.23			

Band 41 Ant0 Default power										
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	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.60	24.52	24.68	24.41	24.30	24.5	1
20	QPSK	1	49	24.57	24.66	24.55	24.32	24.52		
20	QPSK	1	99	24.56	24.56	24.34	24.43	24.58		
20	QPSK	50	0	23.64	23.61	23.65	23.23	23.43		
20	QPSK	50	24	23.60	23.61	23.47	23.32	23.50		
20	QPSK	50	50	23.62	23.59	23.38	23.25	23.46	24.5	1
20	QPSK	100	0	23.60	23.56	23.62	23.32	23.43		
20	16QAM	1	0	23.59	23.53	23.40	23.42	23.54		
20	16QAM	1	49	23.71	23.68	23.50	23.33	23.54		
20	16QAM	1	99	23.57	23.56	23.34	23.43	23.53		
20	16QAM	50	0	22.62	22.60	22.46	22.20	22.44	23.5	2
20	16QAM	50	24	22.65	22.63	22.46	22.31	22.48		
20	16QAM	50	50	22.60	22.58	22.39	22.26	22.46		
20	16QAM	100	0	22.62	22.61	22.42	22.23	22.46		
20	64QAM	1	0	22.87	22.78	22.63	22.70	22.59		
20	64QAM	1	49	22.97	22.95	22.83	22.60	22.80	23.5	2
20	64QAM	1	99	22.83	22.81	22.59	22.71	22.84		
20	64QAM	50	0	21.76	21.75	21.60	21.37	21.57		
20	64QAM	50	24	21.80	21.77	21.59	21.44	21.61		
20	64QAM	50	50	21.76	21.75	21.52	21.42	21.61	22.5	3
20	64QAM	100	0	21.87	21.84	21.67	21.46	21.69		
Channel				39725	40173	40620	41088	41515	25.5	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2680.5		
15	QPSK	1	0	24.59	24.57	24.42	24.47	24.40	25.50	0
15	QPSK	1	37	24.57	24.63	24.55	24.37	24.57		
15	QPSK	1	74	24.61	24.58	24.41	24.47	24.62		
15	QPSK	36	0	23.64	23.56	23.41	23.22	23.44		
15	QPSK	36	20	23.63	23.57	23.41	23.24	23.49		
15	QPSK	36	39	23.60	23.55	23.39	23.19	23.49	24.5	1
15	QPSK	75	0	23.66	23.61	23.46	23.21	23.52		
15	16QAM	1	0	23.67	23.55	23.46	23.21	23.40		
15	16QAM	1	37	23.70	23.68	23.55	23.29	23.57		
15	16QAM	1	74	23.60	23.57	23.38	23.20	23.58		
15	16QAM	36	0	22.63	22.54	22.37	22.18	22.38	23.5	2
15	16QAM	36	20	22.59	22.54	22.38	22.19	22.42		
15	16QAM	36	39	22.60	22.53	22.36	22.20	22.44		
15	16QAM	75	0	22.63	22.62	22.41	22.22	22.45		
15	64QAM	1	0	22.85	22.50	22.37	22.34	22.39		
15	64QAM	1	37	22.87	22.63	22.56	22.49	22.56	23.5	2
15	64QAM	1	74	22.57	22.57	22.39	22.46	22.58		
15	64QAM	36	0	21.65	21.53	21.41	21.22	21.43		
15	64QAM	36	20	21.64	21.55	21.42	21.27	21.45		
15	64QAM	36	39	21.62	21.59	21.39	21.19	21.48	22.5	3
15	64QAM	75	0	21.63	21.60	21.42	21.24	21.48		
Channel				39700	40160	40620	41080	41540	25.5	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.56	24.61	24.51	24.32	24.55	25.50	0
10	QPSK	1	25	24.52	24.67	24.57	24.36	24.67		
10	QPSK	1	49	24.67	24.64	24.46	24.27	24.53		
10	QPSK	25	0	23.68	23.64	23.51	23.27	23.59		
10	QPSK	25	12	23.65	23.66	23.49	23.29	23.60		
10	QPSK	25	25	23.66	23.61	23.43	23.26	23.57	24.5	1
10	QPSK	50	0	23.67	23.63	23.50	23.28	23.65		
10	16QAM	1	0	23.73	23.61	23.52	23.29	23.55		
10	16QAM	1	25	23.71	23.66	23.57	23.34	23.66		
10	16QAM	1	49	23.63	23.62	23.45	23.28	23.68		
10	16QAM	25	0	22.68	22.67	22.50	22.31	22.58	23.5	2
10	16QAM	25	12	22.67	22.64	22.47	22.32	22.59		
10	16QAM	25	25	22.65	22.61	22.45	22.27	22.58		
10	16QAM	50	0	22.66	22.62	22.45	22.28	22.59		
10	64QAM	1	0	22.69	22.55	22.45	22.25	22.52		
10	64QAM	1	25	22.68	22.61	22.51	22.30	22.62	23.5	2
10	64QAM	1	49	22.62	22.59	22.41	22.25	22.69		
10	64QAM	25	0	21.62	21.60	21.50	21.25	21.54		
10	64QAM	25	12	21.64	21.60	21.41	21.29	21.54		
10	64QAM	25	25	21.63	21.56	21.39	21.25	21.54		
10	64QAM	50	0	21.68	21.57	21.42	21.21	21.52	22.5	3
10	64QAM	50	0	21.69	21.58	21.43	21.22	21.53		
Channel				39675	40135	40600	41060	41525	25.5	MPR (dB)
Frequency (MHz)				2498.5	2544.5	2590	2640.0	2687.5		
5	QPSK	1	0	24.57	24.65	24.53	24.56	24.64	25.50	0
5	QPSK	1	12	24.59	24.63	24.63	24.58	24.59		
5	QPSK	1	24	24.51	24.65	24.51	24.55	24.57		
5	QPSK	12	0	23.72	23.65	23.53	23.33	23.66		
5	QPSK	12	7	23.72	23.63	23.47	23.28	23.63		
5	QPSK	12	13	23.65	23.58	23.44	23.27	23.61	24.5	1
5	QPSK	25	0	23.68	23.63	23.47	23.27	23.62		
5	16QAM	1	0	23.74	23.67	23.54	23.31	23.62		
5	16QAM	1	12	23.74	23.70	23.59	23.35	23.72		
5	16QAM	1	24	23.67	23.66	23.52	23.28	23.69		
5	16QAM	12	0	22.64	22.59	22.43	22.26	22.56	23.5	2
5	16QAM	12	7	22.65	22.55	22.44	22.20	22.56		
5	16QAM	12	13	22.61	22.52	22.38	22.20	22.61		
5	16QAM	25	0	22.68	22.66	22.49	22.22	22.65		
5	64QAM	1	0	22.76	22.63	22.52	22.31	22.61		
5	64QAM	1	12	22.76	22.67	22.56	22.38	22.74	23.5	2
5	64QAM	1	24	22.70	22.63	22.51	22.29	22.74		
5	64QAM	12	0	21.65	21.57	21.46	21.24	21.57		
5	64QAM	12	7	21.65	21.57	21.43	21.19	21.53		
5	64QAM	12	13	21.56	21.55	21.36	21.18	21.56	22.5	3
5	64QAM	25	0	21.65	21.58	21.45	21.24	21.57		

GSM1900 Ant1 Default power

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.31	29.34	28.97	30.00	20.31	20.34	19.97	21.00
GPRS 1 Tx slot	29.23	29.26	28.89	30.00	20.23	20.26	19.89	21.00
GPRS 2 Tx slots	28.86	28.91	28.74	29.50	22.86	22.91	22.74	23.50
GPRS 3 Tx slots	26.36	26.38	26.13	27.50	22.10	22.12	21.87	23.24
GPRS 4 Tx slots	25.26	25.28	24.93	26.00	22.26	22.28	21.93	23.00
EDGE 1 Tx slot	25.39	25.31	25.32	25.50	16.39	16.31	16.32	16.50
EDGE 2 Tx slots	24.38	24.33	24.33	24.50	18.38	18.33	18.33	18.50
EDGE 3 Tx slots	22.39	22.32	22.42	22.50	18.13	18.06	18.16	18.24
EDGE 4 Tx slots	21.37	21.46	21.23	21.50	18.37	18.46	18.23	18.50

WCDMA II Ant1 Default power

WCDMA IV Ant1 Default power

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	22.29	22.41	22.35	23.50	24.69	24.72	24.75	25.50
3GPP Rel 99 RMC 12.2Kbps	22.30	22.45	22.37	23.50	24.78	24.85	24.83	25.50
3GPP Rel 6 HSDPA Subtest-1	21.40	21.50	21.34	22.50	23.93	23.94	23.81	24.50
3GPP Rel 6 HSDPA Subtest-2	21.36	21.62	21.57	22.50	23.81	23.84	23.87	24.50
3GPP Rel 6 HSDPA Subtest-3	20.99	20.95	20.91	22.00	23.26	23.43	23.44	24.00
3GPP Rel 6 HSDPA Subtest-4	20.86	20.91	20.85	22.00	23.28	23.49	23.28	24.00
3GPP Rel 8 DC-HSDPA Subtest-1	21.48	21.44	21.46	22.50	23.85	23.81	23.91	24.50
3GPP Rel 8 DC-HSDPA Subtest-2	21.42	21.51	21.51	22.50	23.88	23.85	23.98	24.50
3GPP Rel 8 DC-HSDPA Subtest-3	20.99	21.10	21.02	22.00	23.37	23.36	23.36	24.00
3GPP Rel 8 DC-HSDPA Subtest-4	20.96	20.98	20.90	22.00	23.28	23.39	23.48	24.00
3GPP Rel 6 HSUPA Subtest-1	21.45	21.58	21.56	22.50	23.83	23.90	23.95	24.50
3GPP Rel 6 HSUPA Subtest-2	19.37	19.53	19.35	20.50	21.85	21.81	21.97	22.50
3GPP Rel 6 HSUPA Subtest-3	20.46	20.59	20.45	21.50	22.73	22.81	23.00	23.50
3GPP Rel 6 HSUPA Subtest-4	19.45	19.54	19.45	20.50	21.79	21.82	21.98	22.50
3GPP Rel 6 HSUPA Subtest-5	21.45	21.55	21.34	22.50	23.76	23.84	23.97	24.50

Band 2 Ant1 Default power													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	22.30	22.30	22.26	23.5	0					
20	QPSK	1	49	22.17	22.28	22.17							
20	QPSK	1	99	22.24	22.32	22.12							
20	QPSK	50	0	21.29	21.52	21.32	22.5	1					
20	QPSK	50	24	21.17	21.38	21.23							
20	QPSK	50	50	21.21	21.43	21.27							
20	QPSK	100	0	21.26	21.41	21.22	22.5	1					
20	16QAM	1	0	21.32	21.45	21.21							
20	16QAM	1	49	21.18	21.28	21.20							
20	16QAM	1	99	21.24	21.34	21.09	21.5	2					
20	16QAM	50	0	20.28	20.51	20.31							
20	16QAM	50	24	20.18	20.36	20.25							
20	16QAM	50	50	20.20	20.42	20.27	21.5	2					
20	16QAM	100	0	20.23	20.45	20.17							
20	64QAM	1	0	20.32	20.42	20.24							
20	64QAM	1	49	20.18	20.30	20.16	21.5	2					
20	64QAM	1	99	20.25	20.37	20.09							
20	64QAM	50	0	19.30	19.55	19.31							
20	64QAM	50	24	19.21	19.41	19.33	20.5	3					
20	64QAM	50	50	19.16	19.44	19.28							
20	64QAM	100	0	19.25	19.41	19.18							
Channel													
Frequency (MHz)													
15	QPSK	1	0	22.17	22.37	22.14	23.5	0					
15	QPSK	1	37	22.05	22.16	22.10							
15	QPSK	1	74	22.12	22.19	22.05							
15	QPSK	36	0	21.16	21.39	21.25	22.5	1					
15	QPSK	36	20	21.05	21.24	21.09							
15	QPSK	36	39	21.09	21.32	21.13							
15	QPSK	75	0	21.20	21.27	21.07	22.5	1					
15	16QAM	1	0	21.15	21.35	21.08							
15	16QAM	1	37	21.11	21.21	21.11							
15	16QAM	1	74	21.15	21.22	21.02	21.5	2					
15	16QAM	36	0	20.13	20.39	20.21							
15	16QAM	36	20	20.07	20.28	20.14							
15	16QAM	36	39	20.10	20.33	20.17	21.5	2					
15	16QAM	75	0	20.05	20.37	20.07							
15	64QAM	1	0	20.26	20.32	20.15							
15	64QAM	1	37	20.10	20.25	20.10	21.5	2					
15	64QAM	1	74	20.13	20.22	20.06							
15	64QAM	36	0	19.20	19.47	19.17							
15	64QAM	36	20	19.13	19.23	19.19	20.5	3					
15	64QAM	36	39	19.02	19.29	19.21							
15	64QAM	75	0	19.19	19.28	19.07							
Channel													
Frequency (MHz)													
10	QPSK	1	0	22.21	22.32	22.17	23.5	0					
10	QPSK	1	25	22.03	22.17	22.08							
10	QPSK	1	49	22.13	22.19	22.09							
10	QPSK	25	0	21.15	21.46	21.21	22.5	1					
10	QPSK	25	12	21.09	21.25	21.13							
10	QPSK	25	25	21.09	21.31	21.18							
10	QPSK	50	0	21.14	21.32	21.14	22.5	1					
10	16QAM	1	0	21.21	21.38	21.13							
10	16QAM	1	25	21.13	21.14	21.14							
10	16QAM	1	49	21.19	21.21	21.05	21.5	2					
10	16QAM	25	0	20.15	20.38	20.19							
10	16QAM	25	12	20.09	20.31	20.16							
10	16QAM	25	25	20.08	20.31	20.14	21.5	2					
10	16QAM	50	0	20.14	20.34	20.10							
10	64QAM	1	0	20.22	20.37	20.13							
10	64QAM	1	25	20.04	20.19	20.10	21.5	2					
10	64QAM	1	49	20.14	20.28	20.06							
10	64QAM	25	0	19.20	19.36	19.25							
10	64QAM	25	12	19.08	19.21	19.22	20.5	3					
10	64QAM	25	25	19.10	19.37	19.16							
10	64QAM	50	0	19.13	19.33	19.07							
Channel													
Frequency (MHz)													
5	QPSK	1	0	22.19	22.29	22.15	23.5	0					
5	QPSK	1	12	22.07	22.15	22.04							
5	QPSK	1	24	22.11	22.22	22.02							
5	QPSK	12	0	21.19	21.44	21.18	22.5	1					
5	QPSK	12	7	21.22	21.30	21.15							
5	QPSK	12	13	21.14	21.36	21.21							
5	QPSK	25	0	21.17	21.29	21.10	22.5	1					
5	16QAM	1	0	21.22	21.38	21.11							
5	16QAM	1	12	21.11	21.13	21.09							
5	16QAM	1	24	21.17	21.21	21.04	21.5	2					
5	16QAM	12	0	20.21	20.40	20.26							
5	16QAM	12	7	20.07	20.25	20.13							
5	16QAM	12	13	20.12	20.33	20.19	21.5	2					
5	16QAM	25	0	20.09	20.33	20.09							
5	64QAM	1	0	20.25	20.32	20.16							
5	64QAM	1	12	20.07	20.20	20.04	21.5	2					
5	64QAM	1	24	20.14	20.29	20.01							
5	64QAM	12	0	19.22	19.39	19.26							
5	64QAM	12	7	19.17	19.24	19.25	20.5	3					
5	64QAM	12	13	19.08	19.34	19.15							
5	64QAM	25	0	19.15	19.30	19.09							
Channel													
Frequency (MHz)													
3	QPSK	1	0	22.20	22.28	22.21	23.5	0					
3	QPSK	1	8	22.06	22.21	22.11							
3	QPSK	1	14	22.17	22.22	22.01							
3	QPSK	8	0	21.18	21.38	21.23	22.5	1					
3	QPSK	8	4	21.05	21.32	21.15							
3	QPSK	8	7	21.13	21.37	21.25							
3	QPSK	15	0	21.11	21.34	21.16	22.5	1					
3	16QAM	1	0	21.19	21.39	21.12							
3	16QAM	1	8	21.13	21.22	21.11							
3	16QAM	1	14	21.14	21.26	21.19	21.5	2					
3	16QAM	8	0	20.16	20.45	20.21							
3	16QAM	8	4	20.12	20.22	20.19							
3	16QAM	8	7	20.12	20.22	20.16	21.5	2					
3	16QAM	15	0	20.11	20.32	20.09							
3	64QAM	1	0	20.25	20.29	20.14							
3	64QAM	1	8	20.10	20.20	20.06	21.5	2					
3	64QAM	1	14	20.18	20.31	20.01							
3	64QAM	8	0	19.21	19.42	19.21							
3	64QAM	8	4	19.07	19.27	19.16	20.5	3					
3	64QAM	8	7	19.10	19.35	19.14							
3	64QAM	15	0	19.16	19.34	19.07							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	22.14	22.26	22.11	23.5	0					
1.4	QPSK	1	3	22.05	22.14	22.03							
1.4	QPSK	1	7	22.14	22.17	22.09							
1.4	QPSK	3	0	22.21	22.35	22.21	22.5	1					
1.4	QPSK	3	1	22.09	22.23	22.14							
1.4	QPSK	3	3	22.08	22.28	22.12							
1.4	QPSK	6	0	21.13	21.25	21.06	22.5	1					
1.4	16QAM	1	0	21.20	21.36	21.08							
1.4	16QAM	1	3	21.13	21.21	21.11							
1.4	16QAM	1	5	21.16	21.14	21.06	22.5	1					
1.4	16QAM	3	0	21.19	21.34	21.09							
1.4	16QAM	3	1	21.05	21.21	21.17							
1.4	16QAM	3	3	21.03	21.26	21.14	21.5	2					
1.4	16QAM	6	0	20.11	20.30	20.05							
1.4	64QAM	1	0	20.15	20.28	20.09							
1.4	64QAM	1	3	20.04	20.20	20.03	21.5	2					
1.4	64QAM	1	6	20.09	20.23	20.08							
1.4	64QAM	3	0	20.20	20.41	20.15							
1.4	64QAM	3	1	20.11	20.17	20.19	20.5	3					
1.4	64QAM	3	3	20.03	20.29	20.16							
1.4	64QAM	6	0	19.15	19.29	19.06							

GSM1900 Ant2 Default power

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	28.50	1850.2	1880	1909.8	28.50
Frequency (MHz)	1850.2	1880	1909.8	28.50	1850.2	1880	1909.8	28.50
GSM 1 Tx slot	28.18	28.25	28.22	28.50	19.18	19.25	19.22	19.50
GPRS 1 Tx slot	28.15	28.12	28.24	28.50	19.15	19.12	19.24	19.50
GPRS 2 Tx slots	27.70	27.82	27.81	28.00	21.70	21.82	21.81	22.00
GPRS 3 Tx slots	25.47	25.32	25.42	26.00	21.21	21.06	21.16	21.74
GPRS 4 Tx slots	24.30	24.35	24.26	25.00	21.30	21.35	21.26	22.00
EDGE 1 Tx slot	24.21	24.32	24.29	24.50	15.21	15.32	15.29	15.50
EDGE 2 Tx slots	23.22	23.38	23.35	23.50	17.22	17.38	17.35	17.50
EDGE 3 Tx slots	20.77	20.88	20.91	21.00	16.51	16.62	16.65	16.74
EDGE 4 Tx slots	19.79	19.69	19.97	20.00	16.79	16.69	16.97	17.00

WCDMA IV Ant2 Default power

Band		WCDMA IV			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.07	23.39	23.26	24.50
3GPP Rel 99	RMC 12.2Kbps	23.16	23.50	23.42	24.50
3GPP Rel 6	HSDPA Subtest-1	22.19	22.26	22.40	23.50
3GPP Rel 6	HSDPA Subtest-2	22.16	22.26	22.42	23.50
3GPP Rel 6	HSDPA Subtest-3	21.88	21.97	21.98	23.00
3GPP Rel 6	HSDPA Subtest-4	21.83	21.94	21.90	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.02	22.09	22.25	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.95	22.03	22.14	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.70	21.71	21.80	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.67	21.71	21.79	23.00
3GPP Rel 6	HSUPA Subtest-1	22.33	22.46	22.60	23.50
3GPP Rel 6	HSUPA Subtest-2	20.31	20.44	20.55	21.50
3GPP Rel 6	HSUPA Subtest-3	21.36	21.47	21.62	22.50
3GPP Rel 6	HSUPA Subtest-4	19.87	20.00	20.12	21.50
3GPP Rel 6	HSUPA Subtest-5	22.30	22.40	22.50	23.50



Band 4 Ant2 Default power												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				20050	20175	20300						
20	QPSK	1	0	23.25	23.33	23.30	24.5	0				
20	QPSK	1	49	23.24	23.32	23.24						
20	QPSK	1	99	23.12	23.14	23.19						
20	QPSK	50	0	22.27	22.53	22.46						
20	QPSK	50	24	22.32	22.39	22.50	23.5	1				
20	QPSK	50	50	22.36	22.36	22.52						
20	QPSK	100	0	22.58	22.59	22.53						
20	16QAM	1	0	22.85	22.98	23.14						
20	16QAM	1	49	23.07	23.18	23.30	23.5	1				
20	16QAM	1	99	22.93	23.02	23.17						
20	16QAM	50	0	21.23	21.30	21.52						
20	16QAM	50	24	21.30	21.39	21.48						
20	16QAM	50	50	21.23	21.28	21.48	22.5	2				
20	16QAM	100	0	21.17	21.27	21.50						
20	64QAM	1	0	21.29	21.26	21.41						
20	64QAM	1	49	21.30	21.39	21.57						
20	64QAM	1	99	21.27	21.34	21.65	22.5	2				
20	64QAM	50	0	19.97	20.25	20.29						
20	64QAM	50	24	20.01	20.11	20.22						
20	64QAM	50	50	19.97	20.12	20.29						
20	64QAM	100	0	20.09	20.23	20.22	21.5	3				
Channel												
Frequency (MHz)				20025 <th>20175<th>20325<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	20175 <th>20325<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	20325 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5						
15	QPSK	1	0	23.02	23.05	23.06	24.5	0				
15	QPSK	1	37	23.10	23.26	23.04						
15	QPSK	1	74	22.92	23.05	23.10						
15	QPSK	36	0	22.08	22.09	22.30						
15	QPSK	36	20	22.06	22.14	22.35	23.5	1				
15	QPSK	36	39	22.01	22.10	22.31						
15	QPSK	75	0	22.03	22.16	22.33						
15	16QAM	1	0	21.75	22.02	22.13						
15	16QAM	1	37	21.77	22.11	22.17	23.5	1				
15	16QAM	1	74	21.72	22.03	22.16						
15	16QAM	36	0	21.08	21.11	21.23						
15	16QAM	36	20	21.07	21.14	21.26						
15	16QAM	36	39	21.00	21.12	21.27	22.5	2				
15	16QAM	75	0	21.04	21.09	21.23						
15	64QAM	1	0	20.93	20.97	21.17						
15	64QAM	1	37	20.91	21.15	21.23						
15	64QAM	1	74	20.91	21.04	21.27	21.5	3				
15	64QAM	36	0	20.02	20.17	20.26						
15	64QAM	36	20	20.04	20.24	20.32						
15	64QAM	36	39	20.07	20.18	20.29						
15	64QAM	75	0	20.02	20.10	20.26						
Channel												
Frequency (MHz)				20000 <th>20150<th>20350<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	20150 <th>20350<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	20350 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750 <th></th> <th></th> <th></th>						
10	QPSK	1	0	22.77	23.01	23.01	24.5	0				
10	QPSK	1	25	22.96	23.03	23.21						
10	QPSK	1	49	22.85	22.94	23.23						
10	QPSK	25	0	21.79	21.98	22.19						
10	QPSK	25	12	21.89	21.94	22.19	23.5	1				
10	QPSK	25	25	21.84	21.96	22.19						
10	QPSK	50	0	21.87	22.05	22.17						
10	16QAM	1	0	21.85	21.97	21.99						
10	16QAM	1	25	21.93	22.06	22.16	23.5	1				
10	16QAM	1	49	21.89	21.94	22.11						
10	16QAM	25	0	20.84	20.95	21.13						
10	16QAM	25	12	20.84	20.91	21.07						
10	16QAM	25	25	20.78	20.90	21.18	22.5	2				
10	16QAM	50	0	20.84	20.97	21.14						
10	64QAM	1	0	20.87	20.98	20.81						
10	64QAM	1	25	20.97	21.07	21.20						
10	64QAM	1	49	20.87	20.98	20.92	22.5	2				
10	64QAM	25	0	19.80	19.92	20.08						
10	64QAM	25	12	19.80	19.92	20.10						
10	64QAM	25	25	19.82	19.90	20.16						
10	64QAM	50	0	19.82	19.88	20.09	21.5	3				
Channel												
Frequency (MHz)				1957.5	2017.5	2037.5				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz) <th>1712.5</th> <th>1732.5</th> <th>1752.5</th> <th></th> <th></th> <th></th>				1712.5	1732.5	1752.5						
5	QPSK	1	0	22.91	23.04	23.23	24.5	0				
5	QPSK	1	12	23.04	22.98	23.22						
5	QPSK	1	24	22.92	23.03	23.14						
5	QPSK	12	0	21.67	21.85	22.04						
5	QPSK	12	7	21.70	21.78	22.00	23.5	1				
5	QPSK	12	13	21.65	21.75	21.92						
5	QPSK	25	0	21.68	21.83	22.01						
5	16QAM	1	0	21.86	21.78	21.92						
5	16QAM	1	12	21.78	21.77	22.02	23.5	1				
5	16QAM	1	24	21.79	21.75	21.94						
5	16QAM	12	0	20.69	20.83	21.01						
5	16QAM	12	7	20.68	20.74	20.99						
5	16QAM	12	13	20.63	20.75	20.96	22.5	2				
5	16QAM	25	0	20.70	20.88	21.06						
5	64QAM	1	0	20.75	20.97	21.18						
5	64QAM	1	12	20.81	20.98	21.12						
5	64QAM	1	24	20.79	20.99	21.20	22.5	2				
5	64QAM	12	0	19.75	20.01	20.18						
5	64QAM	12	7	19.85	20.03	20.16						
5	64QAM	12	13	19.70	20.04	20.13						
5	64QAM	25	0	19.75	19.99	20.17	21.5	3				
Channel												
Frequency (MHz)				19965 <th>20175<th>20385<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	20175 <th>20385<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	20385 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz) <th>1711.5</th>				1711.5	1732.5 <th>1753.5<th></th><th></th><th></th></th>	1753.5 <th></th> <th></th> <th></th>						
3	QPSK	1	0	22.81	22.90	23.14	24.5	0				
3	QPSK	1	8	22.86	22.87	23.15						
3	QPSK	1	14	22.99	22.94	23.14						
3	QPSK	8	0	21.80	21.87	22.11						
3	QPSK	8	4	21.75	21.82	22.13	23.5	1				
3	QPSK	8	7	21.77	21.85	22.07						
3	QPSK	15	0	21.64	21.84	22.07						
3	16QAM	1	0	21.71	21.90	22.06						
3	16QAM	1	8	21.77	21.81	22.04	23.5	1				
3	16QAM	1	14	21.67	21.84	22.07						
3	16QAM	8	0	20.72	20.88	20.99						
3	16QAM	8	4	20.72	20.80	20.99						
3	16QAM	8	7	20.70	20.82	21.04	22.5	2				
3	16QAM	15	0	20.60	20.77	21.01						
3	64QAM	1	0	20.65	20.84	20.95						
3	64QAM	1	8	20.58	20.77	20.99						
3	64QAM	1	14	20.63	20.80	21.01	22.5	2				
3	64QAM	8	0	19.71	19.86	20.05						
3	64QAM	8	4	19.72	19.81	20.08						
3	64QAM	8	7	19.60	19.80	20.07						
3	64QAM	15	0	19.53	19.76	19.91	21.5	3				
Channel												
Frequency (MHz)				19503 <th>20153<th>20393<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	20153 <th>20393<th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	20393 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz) <th>1710.7</th> <th>1732.5</th> <th>1754.3</th> <th></th> <th></th> <th></th>				1710.7	1732.5	1754.3						
1.4	QPSK	1	0	22.92	23.08	23.15	24.5	0				
1.4	QPSK	1	3	22.97	23.16	23.29						
1.4	QPSK	1	5	22.97	23.13	23.16						
1.4	QPSK	3	0	23.00	23.09	23.29						
1.4	QPSK	3	1	22.93	23.13	23.27	23.5	1				
1.4	QPSK	3	3	22.88	23.01	23.30						
1.4	QPSK	6	0	21.84	22.03	22.21						
1.4	16QAM	1	0	21.84	22.04	22.26						
1.4	16QAM	1	24	21.90	22.07	22.28	23.5	1				
1.4	16QAM	1	5	22.03	22.12	22.27						
1.4	16QAM	3	0	21.82	21.89	22.21						
1.4	16QAM	3	1	21.86	21.97	22.21						
1.4	16QAM	3	3	21.80	21.91	22.25	22.5	2				
1.4	16QAM	6	0	20.84	21.04	21.25						
1.4	16QAM	1	0	20.86	21.04	21.20						
1.4	64QAM	1	0	20.86	20.96	21.22						
1.4	64QAM	1	24	20.91	21.06	21.27	22.5	2				
1.4	64QAM	3	0	20.88	21.06	21.21						
1.4	64QAM	3	1	20.94	21.06	21.30						
1.4	64QAM	3	3	20.83	20.98	21.20						
1.4	64QAM	6	0	19.84	20.03	20.15	21.5	3				

Band 38 Ant2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.33	24.57	24.37	24.5	1	
20	QPSK	1	49	24.53	24.36	24.54			
20	QPSK	1	99	24.30	24.34	24.29			
20	QPSK	50	0	23.48	23.49	23.46			
20	QPSK	50	24	23.39	23.47	23.47	24.5	1	
20	QPSK	50	50	23.38	23.40	23.33			
20	QPSK	100	0	23.41	23.42	23.41			
20	16QAM	1	0	23.39	23.45	23.45			
20	16QAM	1	49	23.62	23.59	23.59	23.5	2	
20	16QAM	1	99	23.42	23.43	23.36			
20	16QAM	50	0	22.52	22.56	22.59			
20	16QAM	50	24	22.53	22.53	22.55			
20	16QAM	50	50	22.59	22.59	22.54	23.5	2	
20	16QAM	100	0	22.54	22.51	22.53			
20	64QAM	1	0	22.56	22.59	22.51			
20	64QAM	1	49	22.63	22.61	22.54			
20	64QAM	1	99	22.44	22.44	22.41	22.5	3	
20	64QAM	50	0	21.52	21.53	21.49			
20	64QAM	50	24	21.51	21.51	21.45			
20	64QAM	50	50	21.40	21.42	21.41			
20	64QAM	100	0	21.49	21.46	21.43			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	24.25	24.32	24.32			
15	QPSK	1	37	24.44	24.51	24.50	24.5	1	
15	QPSK	1	74	24.23	24.32	24.26			
15	QPSK	36	0	23.48	23.47	23.38			
15	QPSK	36	20	23.44	23.37	23.38			
15	QPSK	36	39	23.30	23.40	23.32	24.5	1	
15	QPSK	75	0	23.39	23.37	23.34			
15	16QAM	1	0	23.34	23.38	23.38			
15	16QAM	1	37	23.59	23.54	23.56			
15	16QAM	1	74	23.41	23.40	23.35	23.5	2	
15	16QAM	36	0	22.49	22.50	22.40			
15	16QAM	36	20	22.52	22.49	22.41			
15	16QAM	36	39	22.48	22.49	22.34			
15	16QAM	75	0	22.47	22.46	22.35	23.5	2	
15	64QAM	1	0	22.42	22.48	22.33			
15	64QAM	1	37	22.55	22.59	22.49			
15	64QAM	1	74	22.39	22.36	22.32			
15	64QAM	36	0	21.48	21.49	21.43	22.5	3	
15	64QAM	36	20	21.48	21.50	21.36			
15	64QAM	36	39	21.37	21.36	21.35			
15	64QAM	75	0	21.42	21.42	21.35			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	24.26	24.26	24.33			
10	QPSK	1	25	24.49	24.51	24.44	24.5	1	
10	QPSK	1	49	24.20	24.27	24.23			
10	QPSK	25	0	23.42	23.39	23.37			
10	QPSK	25	12	23.39	23.41	23.42			
10	QPSK	25	25	23.32	23.32	23.29	24.5	1	
10	QPSK	50	0	23.38	23.32	23.37			
10	16QAM	1	0	23.32	23.34	23.36			
10	16QAM	1	25	23.53	23.48	23.56			
10	16QAM	1	49	23.34	23.38	23.27	23.5	2	
10	16QAM	25	0	22.48	22.47	22.46			
10	16QAM	25	12	22.49	22.46	22.42			
10	16QAM	25	25	22.41	22.38	22.37			
10	16QAM	50	0	22.47	22.42	22.32	23.5	2	
10	64QAM	1	0	22.43	22.39	22.32			
10	64QAM	1	25	22.54	22.58	22.51			
10	64QAM	1	49	22.41	22.38	22.35			
10	64QAM	25	0	21.42	21.45	21.39	22.5	3	
10	64QAM	25	12	21.46	21.46	21.36			
10	64QAM	25	25	21.35	21.34	21.35			
10	64QAM	50	0	21.44	21.39	21.33			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	24.28	24.32	24.27			
5	QPSK	1	12	24.43	24.47	24.48	24.5	1	
5	QPSK	1	24	24.23	24.30	24.25			
5	QPSK	12	0	23.40	23.43	23.42			
5	QPSK	12	7	23.41	23.39	23.41			
5	QPSK	12	13	23.33	23.33	23.23	24.5	1	
5	QPSK	25	0	23.37	23.36	23.34			
5	16QAM	1	0	23.31	23.34	23.38			
5	16QAM	1	12	23.56	23.55	23.48			
5	16QAM	1	24	23.36	23.34	23.30	23.5	2	
5	16QAM	12	0	22.43	22.51	22.42			
5	16QAM	12	7	22.43	22.50	22.35			
5	16QAM	12	13	22.39	22.43	22.40			
5	16QAM	25	0	22.47	22.41	22.33	23.5	2	
5	64QAM	1	0	22.40	22.41	22.34			
5	64QAM	1	12	22.57	22.55	22.47			
5	64QAM	1	24	22.36	22.37	22.31			
5	64QAM	12	0	21.44	21.44	21.39	22.5	3	
5	64QAM	12	7	21.41	21.41	21.42			
5	64QAM	12	13	21.33	21.34	21.33			
5	64QAM	25	0	21.43	21.37	21.39			

Band 41 Ant2 Default power										
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	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.52	24.62	24.68	24.53	24.54	24.5	1
20	QPSK	1	49	24.59	24.67	24.63	24.59	24.59		
20	QPSK	1	99	24.37	24.44	24.52	24.39	24.34		
20	QPSK	50	0	23.56	23.63	23.68	23.54	23.56	24.5	1
20	QPSK	50	24	23.52	23.58	23.65	23.50	23.46		
20	QPSK	50	50	23.54	23.52	23.59	23.52	23.52		
20	QPSK	100	0	23.52	23.56	23.63	23.47	23.49	24.5	1
20	16QAM	1	0	23.54	23.62	23.66	23.55	23.56		
20	16QAM	1	49	23.63	23.72	23.75	23.60	23.65		
20	16QAM	1	99	23.54	23.58	23.60	23.51	23.48	23.5	2
20	16QAM	50	0	22.64	22.70	22.76	22.64	22.62		
20	16QAM	50	24	22.58	22.63	22.71	22.58	22.59		
20	16QAM	50	50	22.54	22.59	22.68	22.57	22.59	23.5	2
20	16QAM	100	0	22.64	22.67	22.74	22.56	22.56		
20	64QAM	1	0	22.59	22.65	22.69	22.56	22.58		
20	64QAM	1	49	22.69	22.73	22.79	22.61	22.68	23.5	2
20	64QAM	1	99	22.52	22.59	22.65	22.55	22.52		
20	64QAM	50	0	21.62	21.71	21.78	21.62	21.65		
20	64QAM	50	24	21.62	21.66	21.75	21.61	21.60	22.5	3
20	64QAM	50	50	21.53	21.62	21.69	21.57	21.55		
20	64QAM	100	0	21.59	21.65	21.73	21.61	21.56		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	25.50	0
15	QPSK	1	0	24.40	24.49	24.60	24.44	24.44	24.5	1
15	QPSK	1	37	24.50	24.59	24.60	24.52	24.46		
15	QPSK	1	74	24.31	24.34	24.43	24.29	24.28		
15	QPSK	36	0	23.48	23.55	23.59	23.41	23.49	24.5	1
15	QPSK	36	20	23.45	23.49	23.53	23.39	23.38		
15	QPSK	36	39	23.31	23.45	23.47	23.31	23.28		
15	QPSK	75	0	23.40	23.46	23.51	23.36	23.41	24.5	1
15	16QAM	1	0	23.41	23.53	23.55	23.46	23.50		
15	16QAM	1	37	23.51	23.58	23.69	23.48	23.53		
15	16QAM	1	74	23.44	23.47	23.47	23.41	23.37	23.5	2
15	16QAM	36	0	22.56	22.59	22.63	22.52	22.56		
15	16QAM	36	20	22.45	22.47	22.61	22.35	22.35		
15	16QAM	75	0	22.55	22.56	22.67	22.49	22.47	23.5	2
15	64QAM	1	0	22.49	22.53	22.58	22.44	22.52		
15	64QAM	1	37	22.60	22.60	22.73	22.51	22.57		
15	64QAM	1	74	22.40	22.49	22.54	22.42	22.41	22.5	3
15	64QAM	36	0	21.50	21.64	21.71	21.53	21.52		
15	64QAM	36	20	21.54	21.54	21.63	21.48	21.48		
15	64QAM	36	39	21.41	21.50	21.55	21.46	21.45	25.50	0
15	64QAM	75	0	21.45	21.52	21.66	21.54	21.43		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	25.50 <td>0</td>	0
10	QPSK	1	0	24.44	24.51	24.61	24.39	24.46	24.5	1
10	QPSK	1	25	24.46	24.52	24.60	24.48	24.44		
10	QPSK	1	49	24.25	24.28	24.46	24.30	24.24		
10	QPSK	25	0	23.45	23.48	23.61	23.42	23.40	24.5	1
10	QPSK	25	12	23.37	23.50	23.57	23.38	23.34		
10	QPSK	25	25	23.38	23.45	23.44	23.31	23.36		
10	QPSK	50	0	23.46	23.41	23.56	23.40	23.39	24.5	1
10	16QAM	1	0	23.45	23.49	23.57	23.42	23.41		
10	16QAM	1	25	23.49	23.59	23.68	23.47	23.58		
10	16QAM	1	49	23.40	23.47	23.50	23.41	23.35	23.5	2
10	16QAM	25	0	22.56	22.63	22.65	22.53	22.47		
10	16QAM	25	12	22.48	22.52	22.64	22.51	22.47		
10	16QAM	25	25	22.46	22.50	22.60	22.38	22.36	23.5	2
10	16QAM	50	0	22.54	22.60	22.60	22.46	22.44		
10	64QAM	1	0	22.52	22.52	22.61	22.46	22.43		
10	64QAM	1	25	22.53	22.63	22.67	22.50	22.52	22.5	3
10	64QAM	1	49	22.39	22.47	22.56	22.47	22.36		
10	64QAM	25	0	21.50	21.63	21.70	21.47	21.59		
10	64QAM	25	12	21.53	21.54	21.65	21.48	21.44	22.5	3
10	64QAM	25	25	21.45	21.47	21.58	21.48	21.45		
10	64QAM	50	0	21.49	21.52	21.58	21.45	21.46		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	25.50 <td>0</td>	0
5	QPSK	1	0	24.43	24.50	24.57	24.45	24.43	24.5	1
5	QPSK	1	12	24.49	24.57	24.62	24.47	24.48		
5	QPSK	1	24	24.30	24.37	24.43	24.29	24.27		
5	QPSK	12	0	23.46	23.51	23.58	23.43	23.50	24.5	1
5	QPSK	12	7	23.42	23.51	23.58	23.42	23.36		
5	QPSK	12	13	23.33	23.42	23.52	23.36	23.34		
5	QPSK	25	0	23.45	23.44	23.54	23.37	23.40	24.5	1
5	16QAM	1	0	23.44	23.53	23.57	23.44	23.48		
5	16QAM	1	12	23.54	23.64	23.64	23.49	23.58		
5	16QAM	1	24	23.47	23.50	23.52	23.42	23.37	23.5	2
5	16QAM	12	0	22.53	22.59	22.69	22.54	22.52		
5	16QAM	12	7	22.47	22.55	22.65	22.47	22.51		
5	16QAM	12	13	22.48	22.47	22.61	22.40	22.41	23.5	2
5	16QAM	25	0	22.57	22.60	22.65	22.46	22.48		
5	64QAM	1	0	22.47	22.55	22.58	22.47	22.46		
5	64QAM	1	12	22.63	22.65	22.72	22.53	22.59	23.5	2
5	64QAM	1	24	22.43	22.50	22.56	22.44	22.41		
5	64QAM	12	0	21.51	21.62	21.71	21.52	21.53		
5	64QAM	12	7	21.53	21.56	21.65	21.52	21.54	22.5	3
5	64QAM	12	13	21.46	21.51	21.61	21.48	21.45		
5	64QAM	25	0	21.50	21.58	21.63	21.49	21.47		

GSM850 Ant4 Default power

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	32.84	32.85	32.88	33.50	23.84	23.85	23.88	24.50
GSM 1 Tx slot	32.84	32.88	32.83	33.50	23.84	23.88	23.83	24.50
GPRS 1 Tx slots	31.54	31.56	31.53	32.50	25.54	25.56	25.53	26.50
GPRS 2 Tx slots	29.52	29.55	29.52	30.50	25.26	25.29	25.26	26.24
GPRS 3 Tx slots	28.43	28.44	28.42	29.50	25.43	25.44	25.42	26.50
EDGE 1 Tx slot	26.44	26.66	26.64	27.50	17.44	17.66	17.64	18.50
EDGE 2 Tx slots	25.46	25.47	25.43	25.50	19.46	19.47	19.43	19.50
EDGE 3 Tx slots	23.43	23.67	23.55	24.00	19.17	19.41	19.29	19.74
EDGE 4 Tx slots	22.27	22.50	22.30	23.50	19.27	19.50	19.30	20.50

GSM1900 Ant4 Default power

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	28.04	28.09	28.03	29.00	19.04	19.09	19.03	20.00
GSM 1 Tx slot	28.04	28.06	28.01	29.00	19.02	19.06	19.01	20.00
GPRS 1 Tx slots	27.75	27.88	27.83	28.50	21.75	21.88	21.83	22.50
GPRS 2 Tx slots	25.19	25.16	25.39	25.50	20.93	20.90	21.13	21.24
GPRS 3 Tx slots	23.98	24.01	24.28	24.50	20.98	21.01	21.28	21.50
EDGE 1 Tx slot	24.08	24.19	24.36	24.50	15.08	15.19	15.36	15.50
EDGE 2 Tx slots	22.98	23.22	23.32	23.50	16.98	17.22	17.32	17.50
EDGE 3 Tx slots	20.99	21.06	21.27	21.50	16.73	16.80	17.01	17.24
EDGE 4 Tx slots	19.76	19.95	20.03	20.50	16.76	16.95	17.03	17.50

WCDMA II Ant4 Default power

WCDMA IV Ant4 Default power

WCDMA V Ant4 Default power

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
TX Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2kbps	23.92	23.98	23.87	25.50	23.21	23.35	23.27	24.50	23.41	23.55	23.48	24.50
3GPP Rel 99	RMC 12.2kbps	24.05	24.11	24.01	25.50	23.22	23.39	23.29	24.50	23.45	23.57	23.51	24.50
3GPP Rel 6	HSDPA Subtest-1	23.00	23.20	23.11	24.50	22.27	22.29	22.37	23.50	23.44	23.04	23.06	23.50
3GPP Rel 6	HSDPA Subtest-2	23.16	23.27	23.02	24.50	22.29	22.30	22.37	23.50	22.46	22.55	22.60	23.50
3GPP Rel 6	HSDPA Subtest-3	22.65	22.66	22.71	24.00	21.97	22.01	21.90	23.00	22.42	22.52	22.59	23.00
3GPP Rel 6	HSDPA Subtest-4	22.53	22.56	22.49	24.00	21.96	21.98	21.87	23.00	22.00	22.03	22.11	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	23.24	23.29	23.05	24.50	22.16	22.11	22.28	23.50	23.32	23.35	23.40	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	23.08	23.09	23.12	24.50	22.21	22.20	22.13	23.50	22.23	22.44	22.42	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.57	22.59	22.70	24.00	21.92	21.84	21.68	23.00	22.19	22.32	22.51	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.52	22.68	22.60	24.00	21.74	21.78	21.77	23.00	21.94	21.96	22.06	23.00
3GPP Rel 6	HSUPA Subtest-1	23.06	23.16	23.04	24.50	22.44	22.47	22.58	23.50	20.40	20.53	20.52	23.50
3GPP Rel 6	HSUPA Subtest-2	21.16	21.08	21.11	22.50	20.42	20.44	20.55	21.50	20.43	20.50	20.53	21.50
3GPP Rel 6	HSUPA Subtest-3	22.14	22.31	22.00	23.50	21.52	21.50	21.62	22.50	21.46	21.52	21.56	22.50
3GPP Rel 6	HSUPA Subtest-4	21.23	21.13	21.18	22.50	20.01	20.02	20.11	21.50	20.00	20.10	20.14	21.50
3GPP Rel 6	HSUPA Subtest-5	23.24	23.29	23.21	24.50	22.40	22.40	22.50	23.50	21.40	21.50	21.50	23.50



Band 2 Ant4 Default power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.30	24.36	24.24			
20	QPSK	1	49	24.32	24.36	24.19	25.5	0	
20	QPSK	1	99	24.23	24.31	24.22			
20	QPSK	50	0	23.21	23.32	23.24			
20	QPSK	50	24	23.25	23.22	23.18	24.5	1	
20	QPSK	50	50	23.21	23.26	23.10			
20	QPSK	100	0	23.26	23.31	23.20			
20	16QAM	1	0	23.19	23.27	23.55			
20	16QAM	1	49	23.28	23.26	23.56	24.5	1	
20	16QAM	1	99	23.17	23.62	23.42			
20	16QAM	50	0	22.27	22.21	22.24			
20	16QAM	50	24	22.24	22.12	22.11	23.5	2	
20	16QAM	50	50	22.13	22.25	22.01			
20	16QAM	100	0	22.26	22.35	22.24			
20	64QAM	1	0	22.26	22.49	22.42			
20	64QAM	1	49	22.38	22.29	22.27	23.5	2	
20	64QAM	1	99	22.27	22.45	22.34			
20	64QAM	50	0	21.43	21.35	21.42			
20	64QAM	50	24	21.41	21.33	21.17	22.5	3	
20	64QAM	50	50	21.32	21.42	21.27			
20	64QAM	100	0	21.48	21.33	21.41			
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.19	24.33	24.23			
15	QPSK	1	37	24.26	24.27	24.22	25.5	0	
15	QPSK	1	74	24.27	24.28	24.21			
15	QPSK	36	0	23.20	23.22	23.19			
15	QPSK	36	20	23.26	23.16	23.19	24.5	1	
15	QPSK	36	39	23.20	23.22	23.19			
15	QPSK	75	0	23.24	23.19	23.28			
15	16QAM	1	0	23.26	23.24	23.14			
15	16QAM	1	37	23.25	23.27	23.15	24.5	1	
15	16QAM	1	74	23.26	23.25	23.22			
15	16QAM	36	0	22.26	22.23	22.18			
15	16QAM	36	20	22.26	22.16	22.19	23.5	2	
15	16QAM	36	39	22.21	22.21	22.20			
15	16QAM	75	0	22.26	22.25	22.21			
15	64QAM	1	0	22.15	22.26	22.27			
15	64QAM	1	37	22.23	22.24	22.30	23.5	2	
15	64QAM	1	74	22.22	22.35	22.27			
15	64QAM	36	0	21.22	21.31	21.19			
15	64QAM	36	20	21.16	21.12	21.13	22.5	3	
15	64QAM	36	39	21.23	21.21	21.23			
15	64QAM	75	0	21.18	21.23	21.07			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.29	24.32	24.26			
10	QPSK	1	25	24.33	24.26	24.35	25.5	0	
10	QPSK	1	49	24.17	24.23	24.23			
10	QPSK	25	0	23.25	23.22	23.20			
10	QPSK	25	12	23.28	23.22	23.18	24.5	1	
10	QPSK	25	25	23.20	23.24	23.09			
10	QPSK	50	0	23.27	23.22	23.15			
10	16QAM	1	0	23.47	23.34	23.57			
10	16QAM	1	25	23.47	23.41	23.61	24.5	1	
10	16QAM	1	49	23.48	23.52	23.33			
10	16QAM	25	0	22.31	22.28	22.27			
10	16QAM	25	12	22.31	22.33	22.24	23.5	2	
10	16QAM	25	25	22.26	22.32	22.15			
10	16QAM	50	0	22.24	22.23	22.31			
10	64QAM	1	0	22.16	22.26	22.22	23.5	2	
10	64QAM	1	25	22.27	22.19	22.10			
10	64QAM	1	49	22.18	22.25	22.21			
10	64QAM	25	0	21.24	21.28	21.36			
10	64QAM	25	12	21.19	21.24	21.13	22.5	3	
10	64QAM	25	25	21.20	21.43	21.16			
10	64QAM	50	0	21.05	21.12	21.02			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.54	24.03	24.07			
5	QPSK	1	12	24.34	24.27	24.40	25.5	0	
5	QPSK	1	24	23.95	23.98	24.05			
5	QPSK	12	0	22.93	23.10	22.92			
5	QPSK	12	7	22.93	23.14	22.99	24.5	1	
5	QPSK	12	13	22.82	23.01	22.95			
5	QPSK	25	0	22.85	22.95	22.96			
5	16QAM	1	0	22.95	22.94	22.95			
5	16QAM	1	12	23.11	23.22	22.99	24.5	1	
5	16QAM	1	24	23.07	23.22	22.95			
5	16QAM	12	0	22.25	22.17	22.22			
5	16QAM	12	7	22.29	22.24	22.18	23.5	2	
5	16QAM	12	13	22.11	22.14	22.11			
5	16QAM	25	0	22.12	22.13	22.07			
5	64QAM	1	0	22.11	22.07	22.03			
5	64QAM	1	12	22.21	22.24	22.14	23.5	2	
5	64QAM	1	24	21.96	22.05	22.08			
5	64QAM	12	0	21.16	20.96	20.92	22.5	3	
5	64QAM	12	7	21.01	21.12	20.97			
5	64QAM	12	13	20.88	20.92	20.86			
5	64QAM	25	0	21.05	21.02	21.01			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.26	24.24	24.17			
3	QPSK	1	8	24.19	24.28	24.21	25.5	0	
3	QPSK	1	14	24.23	24.31	24.22			
3	QPSK	8	0	23.20	23.20	23.12			
3	QPSK	8	4	23.20	23.20	23.18	24.5	1	
3	QPSK	8	7	23.15	23.20	23.09			
3	QPSK	15	0	23.22	23.18	23.17			
3	16QAM	1	0	23.35	23.35	23.23			
3	16QAM	1	8	23.25	23.33	23.14	24.5	1	
3	16QAM	1	14	23.30	22.93	22.92			
3	16QAM	8	0	22.36	22.35	22.29			
3	16QAM	8	4	22.35	22.34	22.31	23.5	2	
3	16QAM	15	0	22.24	22.22	22.26			
3	64QAM	1	0	22.30	22.20	22.20			
3	64QAM	1	8	22.41	22.30	22.17	23.5	2	
3	64QAM	1	14	22.26	22.28	22.26			
3	64QAM	8	0	21.26	21.13	21.32			
3	64QAM	8	4	21.29	21.38	21.15	22.5	3	
3	64QAM	8	7	21.28	21.26	21.21			
3	64QAM	15	0	21.11	21.36	21.31			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.22	24.28	24.21			
1.4	QPSK	1	3	24.08	24.24	24.19	25.5	0	
1.4	QPSK	1	5	24.07	24.30	24.07			
1.4	QPSK	3	0	24.20	24.16	24.10			
1.4	QPSK	3	1	24.21	24.19	24.06			
1.4	QPSK	3	3	24.20	24.15	24.10	24.5	1	
1.4	QPSK	6	0	23.21	23.19	23.20			
1.4	16QAM	1	0	23.41	23.28	23.41			
1.4	16QAM	1	3	23.26	23.25	23.03	24.5	1	
1.4	16QAM	1	5	23.38	23.40	23.03			
1.4	16QAM	3	0	23.04	22.93	23.11			
1.4	16QAM	3	1	22.92	22.99	23.01			
1.4	16QAM	3	3	23.06	23.01	23.00	23.5	2	
1.4	16QAM	6	0	22.25	22.22	22.19			
1.4	64QAM	1	0	22.30	22.25	22.14			
1.4	64QAM	1	3	22.29	22.21	22.22			
1.4	64QAM	1	5	23.13	23.26	22.08	23.5	2	
1.4	64QAM	3	0	22.02	22.14	22.10			
1.4	64QAM	3	1	22.24	22.12	22.02			
1.4	64QAM	3	3	22.07	22.05	22.09			
1.4	64QAM	6	0	21.33	21.23	21.11	22.5	3	

Band 4 Ant4 Default power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.48	22.53	22.42			
20	QPSK	1	49	22.45	22.52	22.52	23.5	0	
20	QPSK	1	99	22.45	22.26	22.44			
20	QPSK	50	0	21.45	21.58	21.52			
20	QPSK	50	24	21.47	21.36	21.50	22.5	1	
20	QPSK	50	50	21.32	21.45	21.47			
20	QPSK	100	0	21.41	21.51	21.46			
20	16QAM	1	0	21.11	21.39	21.30			
20	16QAM	1	49	21.27	21.26	21.39	22.5	1	
20	16QAM	1	99	21.13	21.26	21.48			
20	16QAM	50	0	20.37	20.31	20.38			
20	16QAM	50	24	20.48	20.45	20.53	21.5	2	
20	16QAM	50	50	20.36	20.35	20.32			
20	16QAM	100	0	20.46	20.38	20.55			
20	16QAM	1	0	20.44	20.19	20.24			
20	16QAM	1	49	20.40	20.36	20.41	21.5	2	
20	16QAM	1	99	20.35	20.26	20.50			
20	16QAM	50	0	19.42	19.36	19.43			
20	16QAM	50	24	19.33	19.43	19.53	20.5	3	
20	16QAM	50	50	19.30	19.32	19.45			
20	16QAM	100	0	19.44	19.42	19.47			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.27	22.31	22.29			
15	QPSK	1	37	22.40	22.39	22.46	23.5	0	
15	QPSK	1	74	22.17	22.14	22.38			
15	QPSK	36	0	21.36	21.40	21.38			
15	QPSK	36	20	21.32	21.27	21.42	22.5	1	
15	QPSK	36	39	21.34	21.46	21.28			
15	QPSK	75	0	21.37	21.45	21.40			
15	16QAM	1	0	21.38	21.30	21.54			
15	16QAM	1	37	21.22	21.33	21.57	22.5	1	
15	16QAM	36	0	20.23	20.22	20.39			
15	16QAM	36	20	20.38	20.23	20.39	21.5	2	
15	16QAM	36	39	20.39	20.30	20.32			
15	16QAM	75	0	20.33	20.25	20.32			
15	16QAM	1	0	20.18	20.31	20.49			
15	16QAM	36	0	20.50	20.32	20.54	21.5	2	
15	16QAM	1	74	20.27	20.38	20.14			
15	16QAM	36	0	19.23	19.35	19.37			
15	16QAM	36	20	19.08	19.33	19.33	20.5	3	
15	16QAM	36	39	19.16	19.22	19.39			
15	16QAM	75	0	19.26	19.26	19.43			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.37	22.45	22.45			
10	QPSK	1	25	22.46	22.43	22.46	23.5	0	
10	QPSK	1	49	22.32	22.40	22.40			
10	QPSK	25	0	21.63	21.65	21.79	22.5	1	
10	QPSK	25	12	21.62	21.68	21.77			
10	QPSK	25	25	21.61	21.65	21.80			
10	QPSK	50	0	21.61	21.72	21.78			
10	16QAM	1	0	21.65	21.66	21.64			
10	16QAM	1	25	21.68	21.80	21.79	22.5	1	
10	16QAM	1	49	21.57	21.66	21.73			
10	16QAM	25	0	20.67	20.63	20.78			
10	16QAM	25	12	20.56	20.60	20.80	21.5	2	
10	16QAM	25	25	20.58	20.65	20.72			
10	16QAM	50	0	20.59	20.57	20.72			
10	16QAM	1	0	20.64	20.59	20.83			
10	16QAM	1	25	20.84	20.70	20.87	21.5	2	
10	16QAM	1	49	20.64	20.51	20.76			
10	16QAM	25	0	19.33	19.35	19.63			
10	16QAM	25	12	19.34	19.42	19.58	20.5	3	
10	16QAM	25	25	19.39	19.47	19.65			
10	16QAM	50	0	19.61	19.50	19.48			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.38	22.44	22.46			
5	QPSK	1	12	22.39	22.43	22.43	23.5	0	
5	QPSK	1	24	22.40	22.49	22.40			
5	QPSK	12	0	21.50	21.45	21.69	22.5	1	
5	QPSK	12	7	21.45	21.43	21.66			
5	QPSK	12	13	21.44	21.51	21.57			
5	QPSK	25	0	21.37	21.58	21.81	22.5	1	
5	16QAM	1	0	21.61	21.46	21.72			
5	16QAM	1	12	21.54	21.45	21.63			
5	16QAM	1	24	21.46	21.45	21.59			
5	16QAM	12	0	20.59	20.68	20.80	21.5	2	
5	16QAM	12	7	20.59	20.60	20.78			
5	16QAM	12	13	20.51	20.57	20.71			
5	16QAM	25	0	20.60	20.66	20.80			
5	16QAM	1	0	20.40	20.61	20.63			
5	16QAM	1	12	20.59	20.40	20.71	21.5	2	
5	16QAM	1	24	20.37	20.44	20.81			
5	16QAM	12	0	19.45	19.64	19.62			
5	16QAM	12	7	19.42	19.45	19.61	20.5	3	
5	16QAM	12	13	19.30	19.58	19.62			
5	16QAM	25	0	19.46	19.40	19.78			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.36	22.42	22.51			
3	QPSK	1	8	22.43	22.36	22.52	23.5	0	
3	QPSK	1	14	22.39	22.37	22.51			
3	QPSK	8	0	21.46	21.52	21.46	22.5	1	
3	QPSK	8	4	21.44	21.40	21.64			
3	QPSK	8	7	21.42	21.41	21.53			
3	QPSK	15	0	21.33	21.47	21.48			
3	16QAM	1	0	21.38	21.38	21.48	22.5	1	
3	16QAM	1	8	21.37	21.29	21.53			
3	16QAM	1	14	21.15	21.50	21.46			
3	16QAM	8	0	20.16	20.35	20.47			
3	16QAM	8	4	20.14	20.21	20.38	21.5	2	
3	16QAM	8	7	20.17	20.19	20.24			
3	16QAM	15	0	20.24	20.29	20.45			
3	16QAM	1	0	20.28	20.46	20.44			
3	16QAM	1	8	20.38	20.49	20.58	21.5	2	
3	16QAM	1	14	20.34	20.36	20.58			
3	16QAM	8	0	19.37	19.53	19.64			
3	16QAM	8	4	19.34	19.52	19.47	20.5	3	
3	16QAM	8	7	19.45	19.42	19.53			
3	16QAM	15	0	19.22	19.33	19.59			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.25	22.37	22.40			
1.4	QPSK	1	3	22.29	22.40	22.46	23.5	0	
1.4	QPSK	3	1	22.47	22.46	22.43			
1.4	QPSK	3	3	22.49	22.51	22.44			
1.4	QPSK	6	0	21.32	21.32	21.42	22.5	1	
1.4	16QAM	1	0	21.08	21.29	21.46			
1.4	16QAM	1	3	21.18	21.23	21.47	22.5	1	
1.4	16QAM	1	5	21.15	21.16	21.42			
1.4	16QAM	3	0	21.14	21.14	21.27			
1.4	16QAM	3	1	21.01	21.19	21.30	21.5	2	
1.4	16QAM	3	3	21.22	21.14	21.33			
1.4	16QAM	6	0	20.18	20.30	20.47			
1.4	16QAM	1	0	20.20	20.38	20.52			
1.4	16QAM	1	3	20.18	20.36	20.44	21.5	2	
1.4	16QAM	3	0	20.32	20.35	20.49			
1.4	16QAM	3	0	20.05	20.16	20.45			
1.4	16QAM	3	1	20.23	20.27	20.35			
1.4	16QAM	3	3	20.22	20.11	20.37			
1.4	16QAM	6	0	19.20	19.30	19.55	20.5	3	



Band 7 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.08	23.19	23.16	24.5	0	
20	QPSK	1	49	23.01	23.03	22.91			
20	QPSK	1	99	22.85	23.18	22.83			
20	QPSK	50	0	22.05	22.15	22.06			
20	QPSK	50	24	22.05	22.14	22.03	23.5	1	
20	QPSK	50	50	22.06	22.13	22.04			
20	QPSK	100	0	21.99	22.07	22.01			
20	16QAM	1	0	21.89	22.13	21.82			
20	16QAM	1	49	21.87	21.92	22.01	23.5	1	
20	16QAM	1	99	22.00	22.06	21.94			
20	16QAM	50	0	21.06	21.16	21.35			
20	16QAM	50	24	21.06	21.15	21.39			
20	16QAM	50	50	21.04	21.10	21.23	22.5	2	
20	16QAM	100	0	20.88	21.11	21.31			
20	64QAM	1	0	21.04	21.22	21.32			
20	64QAM	1	49	21.11	21.19	21.37			
20	64QAM	1	99	21.14	21.15	21.21	22.5	2	
20	64QAM	50	0	19.82	19.86	20.24			
20	64QAM	50	24	19.77	19.99	20.09			
20	64QAM	50	50	19.79	19.87	20.20			
20	64QAM	100	0	19.99	20.18	20.19	21.5	3	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.89	22.98	22.97	24.5	0	
15	QPSK	1	37	22.87	22.93	22.86			
15	QPSK	1	74	22.67	23.10	22.78			
15	QPSK	36	0	22.04	22.01	22.01			
15	QPSK	36	20	22.02	22.12	21.95	23.5	1	
15	QPSK	36	39	22.01	22.04	21.88			
15	QPSK	75	0	21.84	21.95	22.01			
15	16QAM	1	0	21.91	22.01	21.81			
15	16QAM	1	37	21.70	21.73	21.85	23.5	1	
15	16QAM	1	74	22.00	22.06	21.88			
15	16QAM	36	0	20.84	21.18	21.33			
15	16QAM	36	20	21.03	21.13	21.27			
15	16QAM	36	39	21.02	21.11	21.12	22.5	2	
15	16QAM	75	0	20.70	20.95	21.12			
15	64QAM	1	0	20.98	21.05	21.15			
15	64QAM	1	37	21.00	21.16	21.38			
15	64QAM	1	74	21.16	21.02	21.48	22.5	2	
15	64QAM	36	0	19.83	19.65	20.00			
15	64QAM	36	20	19.72	19.82	20.01			
15	64QAM	36	39	20.00	19.85	20.08			
15	64QAM	75	0	19.79	19.96	20.05	21.5	3	
Channel				20820	21100	21400			
Frequency (MHz)				2502.5	2535	2567.5			
10	QPSK	1	0	23.07	23.21	22.99	24.5	0	
10	QPSK	1	25	22.82	22.92	22.77			
10	QPSK	1	49	22.81	23.02	22.80			
10	QPSK	25	0	21.95	22.11	21.90			
10	QPSK	25	12	22.04	21.99	21.97	23.5	1	
10	QPSK	25	25	21.88	22.08	22.02			
10	QPSK	50	0	22.00	21.94	21.98			
10	16QAM	1	0	21.82	22.12	21.75			
10	16QAM	1	25	21.87	21.75	21.89	23.5	1	
10	16QAM	1	49	21.86	21.86	21.92			
10	16QAM	25	0	20.95	21.12	21.15			
10	16QAM	25	12	21.01	21.11	21.28			
10	16QAM	25	25	20.84	20.99	21.22	22.5	2	
10	16QAM	50	0	20.86	21.02	21.18			
10	64QAM	1	0	21.00	21.11	21.27			
10	64QAM	1	25	21.13	21.02	21.22			
10	64QAM	1	49	20.93	21.13	21.37	22.5	2	
10	64QAM	25	0	19.75	19.87	20.09			
10	64QAM	25	12	19.66	19.86	20.04			
10	64QAM	25	25	19.79	19.76	20.08			
10	64QAM	50	0	19.93	20.04	20.08	21.5	3	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.05	23.05	23.11	24.5	0	
5	QPSK	1	12	22.81	22.99	22.78			
5	QPSK	1	24	22.06	23.06	22.73			
5	QPSK	12	0	21.88	21.94	21.90			
5	QPSK	12	7	21.99	22.08	21.83	23.5	1	
5	QPSK	12	13	21.99	21.91	21.99			
5	QPSK	25	0	21.92	21.91	21.80			
5	16QAM	1	0	21.91	22.14	21.70			
5	16QAM	1	12	21.74	21.76	21.96	23.5	1	
5	16QAM	1	24	21.85	21.90	21.78			
5	16QAM	12	0	20.93	20.98	21.33			
5	16QAM	12	7	20.99	21.08	21.26			
5	16QAM	12	13	21.02	21.03	21.08	22.5	2	
5	16QAM	25	0	20.86	21.04	21.31			
5	64QAM	1	0	20.99	21.24	21.18			
5	64QAM	1	12	20.95	21.19	21.31			
5	64QAM	1	24	20.95	20.93	21.34	22.5	2	
5	64QAM	12	0	19.62	19.83	20.06			
5	64QAM	12	7	19.79	19.83	19.91			
5	64QAM	12	13	19.76	19.77	20.05			
5	64QAM	25	0	19.93	20.09	20.17	21.5	3	

Band 12 Ant4 Default power									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.26	24.34	24.22	25.5	0	
10	QPSK	1	25	24.12	24.26	24.13			
10	QPSK	1	49	24.19	24.20	24.10			
10	QPSK	25	0	23.19	23.28	23.07			
10	QPSK	25	12	23.08	23.23	23.02	24.5	1	
10	QPSK	25	25	23.10	23.15	22.98			
10	QPSK	50	0	23.17	23.22	23.01			
10	16QAM	1	0	23.31	23.35	23.23			
10	16QAM	1	25	23.13	23.27	23.17	24.5	1	
10	16QAM	1	49	23.15	23.20	23.07			
10	16QAM	25	0	22.17	22.29	22.09			
10	16QAM	25	12	22.09	22.21	22.05			
10	16QAM	25	25	22.08	22.17	21.95	23.5	2	
10	16QAM	50	0	22.19	22.27	22.05			
10	64QAM	1	0	22.30	22.38	22.26			
10	64QAM	1	25	22.15	22.23	22.21			
10	64QAM	1	49	22.12	22.24	22.10	23.5	2	
10	64QAM	25	0	21.19	21.24	21.11			
10	64QAM	25	12	21.11	21.19	21.00			
10	64QAM	25	25	21.07	21.17	20.97			
10	64QAM	50	0	21.22	21.26	21.08	22.5	3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.16	24.28	24.13	25.5	0	
5	QPSK	1	12	24.00	24.17	24.03			
5	QPSK	1	24	24.04	24.14	23.97			
5	QPSK	12	0	23.06	23.16	23.00			
5	QPSK	12	7	23.00	23.16	22.93	24.5	1	
5	QPSK	12	13	22.97	23.08	22.86			
5	QPSK	25	0	23.07	23.17	22.94			
5	16QAM	1	0	23.22	23.20	23.10			
5	16QAM	1	12	23.06	23.17	23.02	24.5	1	
5	16QAM	1	24	23.04	23.10	22.95			
5	16QAM	12	0	22.07	22.18	21.99			
5	16QAM	12	7	21.99	22.10	21.97			
5	16QAM	12	13	22.03	22.10	21.81	23.5	2	
5	16QAM	25	0	22.13	22.14	22.00			
5	64QAM	1	0	22.22	22.27	22.20			
5	64QAM	1	12	22.09	22.14	22.12			
5	64QAM	1	24	21.98	22.17	22.02	22.5	3	
5	64QAM	12	0	21.06	21.18	21.00			
5	64QAM	12	7	21.01	21.12	20.88			
5	64QAM	12	13	20.94	21.02	20.91			
5	64QAM	25	0	21.08	21.14	20.99	21.5	3	
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.16	24.26	24.15	25.5	0	
3	QPSK	1	8	24.01	24.15	24.00			
3	QPSK	1	14	24.07	24.12	24.03			
3	QPSK	8	0	23.07	23.13	23.02			
3	QPSK	8	4	22.95	23.10	22.88	24.5	1	
3	QPSK	8	7	23.02	23.07	22.87			
3	QPSK	15	0	23.08	23.06	22.98			
3	16QAM	1	0	23.20	23.24	23.12			
3	16QAM	1	8	23.00	23.22	23.07	24.5	1	
3	16QAM	1	14	23.02	23.15	23.01			
3	16QAM	8	0	22.08	22.16	21.95			
3	16QAM	8	4	22.00	22.23	21.96			
3	16QAM	8	7	22.00	22.05	21.86	23.5	2	
3	16QAM	15	0	22.06	22.28	21.93			
3	64QAM	1	0	22.17	22.20	22.20			
3	64QAM	1	8	22.05	22.09	22.06			
3	64QAM	1	14	22.05	22.10	22.00	23.5	2	
3	64QAM	8	0	21.09	21.09	21.04			
3	64QAM	8	4	21.00	21.10	20.91			
3	64QAM	8	7	20.94	21.07	20.90			
3	64QAM	15	0	21.12	21.14	20.98	22.5	3	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.17	24.26	24.15	25.5	0	
1.4	QPSK	1	3	24.00	24.20	24.08			
1.4	QPSK	1	5	24.01	24.11	24.01			
1.4	QPSK	3	0	24.07	24.15	23.92			
1.4	QPSK	3	1	23.97	24.13	23.93	24.5	1	
1.4	QPSK	3	3	24.01	24.07	23.90			
1.4	QPSK	6	0	23.10	23.11	22.91			
1.4	16QAM	1	0	23.25	23.25	23.09			
1.4	16QAM	1	3	23.09	23.10	23.06	24.5	1	
1.4	16QAM	1	5	23.03	23.08	22.93			
1.4	16QAM	3	0	23.05	23.20	22.99			
1.4	16QAM	3	1	23.01	23.07	22.91			
1.4	16QAM	3	3	22.94	23.12	22.90	23.5	2	
1.4	16QAM	6	0	22.06	22.15	21.95			
1.4	64QAM	1	0	22.17	22.33	22.12			
1.4	64QAM	1	3	22.05	22.17	22.08			
1.4	64QAM	1	5	22.05	22.12	22.04	23.5	2	
1.4	64QAM	3	0	22.09	22.17	21.98			
1.4	64QAM	3	1	22.00	22.09	21.88			
1.4	64QAM	3	3	21.97	22.07	21.85			
1.4	64QAM	6	0	21.14	21.12	20.98	22.5	3	

Band 17 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.25	24.30	24.26	25.5	0	
10	QPSK	1	25	24.15	24.17	24.21			
10	QPSK	1	49	24.13	24.20	24.18			
10	QPSK	25	0	23.14	23.16	23.10			
10	QPSK	25	12	23.06	23.08	23.05			
10	QPSK	25	25	23.01	23.11	22.97	24.5	1	
10	QPSK	50	0	23.06	23.09	23.05			
10	16QAM	1	0	23.24	23.33	23.28			
10	16QAM	1	25	23.15	23.12	23.24			
10	16QAM	1	49	23.09	23.23	23.23			
10	16QAM	25	0	22.10	22.14	22.10	23.5	2	
10	16QAM	25	12	22.08	22.10	22.01			
10	16QAM	25	25	22.05	22.08	21.98			
10	16QAM	50	0	22.10	22.06	22.00			
10	64QAM	1	0	22.23	22.31	22.31			
10	64QAM	1	25	22.15	22.12	22.22	23.5	2	
10	64QAM	1	49	22.09	22.26	22.16			
10	64QAM	25	0	21.15	21.13	21.11			
10	64QAM	25	12	21.08	21.14	21.05			
10	64QAM	25	25	21.08	21.11	20.93			
10	64QAM	50	0	21.15	21.06	21.04	22.5	3	
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.23	24.28	24.21	25.5	0	
5	QPSK	1	12	24.19	24.17	24.16			
5	QPSK	1	24	24.09	24.19	24.15			
5	QPSK	12	0	23.12	23.19	23.08			
5	QPSK	12	7	23.10	23.10	23.03			
5	QPSK	12	13	23.06	23.15	22.93	24.5	1	
5	QPSK	25	0	23.08	23.05	23.06			
5	16QAM	1	0	23.28	23.36	23.33			
5	16QAM	1	12	23.19	23.08	23.23			
5	16QAM	1	24	23.07	23.20	23.29			
5	16QAM	12	0	22.06	22.13	22.08	23.5	2	
5	16QAM	12	7	22.13	22.13	21.98			
5	16QAM	12	13	22.10	22.09	21.96			
5	16QAM	25	0	22.14	22.03	21.98			
5	64QAM	1	0	22.21	22.27	22.23			
5	64QAM	1	12	22.12	22.11	22.31	23.5	2	
5	64QAM	1	24	22.05	22.31	22.24			
5	64QAM	12	0	21.14	21.10	21.15			
5	64QAM	12	7	21.07	21.17	21.01			
5	64QAM	12	13	21.11	21.09	20.89			
5	64QAM	25	0	21.11	21.11	21.05	22.5	3	

Band 26 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.21	23.25	23.23	24.5	0	
15	QPSK	1	37	23.10	23.20	23.09			
15	QPSK	1	74	23.12	23.17	23.11			
15	QPSK	36	0	22.22	22.26	22.23			
15	QPSK	36	20	22.11	22.15	22.10			
15	QPSK	36	39	22.10	22.19	22.08	23.5	1	
15	QPSK	75	0	22.27	22.31	22.19			
15	16QAM	1	0	22.20	22.25	22.26			
15	16QAM	1	37	22.11	22.25	22.12			
15	16QAM	1	74	22.09	22.12	22.09			
15	16QAM	36	0	21.25	21.29	21.22	22.5	2	
15	16QAM	36	20	21.13	21.18	21.13			
15	16QAM	36	39	21.05	21.15	21.09			
15	16QAM	75	0	21.32	21.29	21.18			
15	64QAM	1	0	21.23	21.24	21.26			
15	64QAM	1	37	21.06	21.21	21.09	22.5	2	
15	64QAM	1	74	21.05	21.08	21.10			
15	64QAM	36	0	20.25	20.31	20.22			
15	64QAM	36	20	20.12	20.17	20.10			
15	64QAM	36	39	20.09	20.10	20.12			
15	64QAM	75	0	20.31	20.25	20.18	21.5	3	
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.13	23.18	23.15	24.5	0	
10	QPSK	1	25	23.00	23.11	22.95			
10	QPSK	1	49	23.06	23.05	23.01			
10	QPSK	25	0	22.15	22.14	22.09			
10	QPSK	25	12	21.97	22.06	21.98			
10	QPSK	25	25	21.99	22.11	21.98	23.5	1	
10	QPSK	50	0	22.19	22.23	22.06			
10	16QAM	1	0	22.10	22.16	22.17			
10	16QAM	1	25	21.99	22.16	22.00			
10	16QAM	1	49	22.03	22.04	21.95			
10	16QAM	25	0	21.11	21.19	21.15	22.5	2	
10	16QAM	25	12	21.00	21.07	21.06			
10	16QAM	25	25	20.96	21.04	20.94			
10	16QAM	50	0	21.26	21.16	21.11			
10	64QAM	1	0	21.12	21.10	21.20			
10	64QAM	1	25	20.93	21.13	21.00	22.5	2	
10	64QAM	1	49	20.93	20.98	20.98			
10	64QAM	25	0	20.19	20.18	20.14			
10	64QAM	25	12	20.03	20.10	20.02			
10	64QAM	25	25	19.95	20.01	20.03			
10	64QAM	50	0	20.20	20.19	20.12	21.5	3	
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.12	23.14	23.17	24.5	0	
5	QPSK	1	12	23.00	23.09	22.98			
5	QPSK	1	24	23.03	23.10	23.01			
5	QPSK	12	0	22.09	22.13	22.12			
5	QPSK	12	7	22.00	22.07	22.00			
5	QPSK	12	13	22.04	22.13	21.97	23.5	1	
5	QPSK	25	0	22.19	22.24	22.06			
5	16QAM	1	0	22.15	22.14	22.14			
5	16QAM	1	12	22.01	22.13	22.03			
5	16QAM	1	24	21.98	21.98	22.01			
5	16QAM	12	0	21.18	21.15	21.08	22.5	2	
5	16QAM	12	7	20.99	21.07	21.05			
5	16QAM	12	13	20.98	21.09	20.95			
5	16QAM	25	0	21.21	21.21	21.05			
5	64QAM	1	0	21.16	21.19	21.15			
5	64QAM	1	12	20.93	21.13	21.00	22.5	2	
5	64QAM	1	24	20.96	21.00	20.96			
5	64QAM	12	0	20.18	20.23	20.08			
5	64QAM	12	7	19.98	20.10	19.99			
5	64QAM	12	13	19.95	20.04	19.99			
5	64QAM	25	0	20.20	20.15	20.12	21.5	3	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.12	23.13	23.14	24.5	0	
3	QPSK	1	8	23.00	23.06	23.01			
3	QPSK	1	14	23.03	23.09	23.02			
3	QPSK	8	0	22.15	22.13	22.13			
3	QPSK	8	4	22.01	22.00	21.98			
3	QPSK	8	7	22.02	22.14	21.95	23.5	1	
3	QPSK	15	0	22.17	22.18	22.13			
3	16QAM	1	0	22.13	22.14	22.13			
3	16QAM	1	8	22.01	22.10	22.00			
3	16QAM	1	14	22.00	22.06	21.96			
3	16QAM	8	0	21.13	21.22	21.12	22.5	2	
3	16QAM	8	4	20.99	21.05	21.04			
3	16QAM	8	7	20.93	21.03	21.01			
3	16QAM	15	0	21.18	21.22	21.11			
3	64QAM	1	0	21.17	21.17	21.17			
3	64QAM	1	8	20.94	21.14	20.99	22.5	2	
3	64QAM	1	14	20.91	21.01	21.02			
3	64QAM	8	0	20.18	20.20	20.15			
3	64QAM	8	4	19.99	20.09	20.03			
3	64QAM	8	7	19.99	20.02	20.05			
3	64QAM	15	0	20.18	20.19	20.07	21.5	3	
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.04	23.10	23.16	24.5	0	
1.4	QPSK	1	3	23.06	23.04	23.04			
1.4	QPSK	1	5	22.99	23.04	23.00			
1.4	QPSK	3	0	23.13	23.12	23.10			
1.4	QPSK	3	1	23.06	23.05	22.96			
1.4	QPSK	6	0	22.12	22.18	22.12	23.5	1	
1.4	16QAM	1	0	22.07	22.11	22.11			
1.4	16QAM	1	3	22.04	22.13	22.09			
1.4	16QAM	1	5	21.97	22.02	21.97			
1.4	16QAM	3	0	22.20	22.23	22.16			
1.4	16QAM	3	1	22.03	22.05	22.00	22.5	2	
1.4	16QAM	3	3	21.94	22.05	21.97			
1.4	16QAM	6	0	21.19	21.15	21.09			
1.4	64QAM	1	0	21.09	21.09	21.13			
1.4	64QAM	1	3	20.99	21.08	20.95			
1.4	64QAM	3	0	21.07	21.10	21.01	22.5	2	
1.4	64QAM	3	0	21.12	21.24	21.16			
1.4	64QAM	3	1	21.00	21.02	21.00			
1.4	64QAM	3	3	21.01	21.02	20.97			
1.4	64QAM	6	0	20.24	20.15	20.13			

Band 38 Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.19	24.30	24.21	24.5	1	
20	QPSK	1	49	24.21	24.24	24.27			
20	QPSK	1	99	24.19	24.28	24.24			
20	QPSK	50	0	23.16	23.29	23.18			
20	QPSK	50	24	23.39	23.41	23.03	24.5	1	
20	QPSK	50	50	23.15	23.08	23.30			
20	QPSK	100	0	23.09	23.24	23.20			
20	16QAM	1	0	23.11	23.17	23.14			
20	16QAM	1	49	23.36	23.24	23.27	24.5	1	
20	16QAM	1	99	23.15	23.11	23.09			
20	16QAM	50	0	22.08	22.06	22.13			
20	16QAM	50	24	22.22	22.21	22.21			
20	16QAM	50	50	22.21	22.08	22.05	23.5	2	
20	16QAM	100	0	22.20	22.08	21.89			
20	64QAM	1	0	22.01	22.22	22.19			
20	64QAM	1	49	22.30	22.38	22.31			
20	64QAM	1	99	22.37	22.28	22.13	23.5	2	
20	64QAM	50	0	21.21	21.21	21.06			
20	64QAM	50	24	21.07	21.34	21.19			
20	64QAM	50	50	21.01	21.09	21.02			
20	64QAM	100	0	21.30	21.15	21.19	22.5	3	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	24.28	24.25	24.25	25.5	0	
15	QPSK	1	37	24.27	24.24	24.16			
15	QPSK	1	74	24.28	24.29	24.22			
15	QPSK	36	0	23.26	23.16	23.28			
15	QPSK	36	20	23.30	23.27	23.23	24.5	1	
15	QPSK	36	39	23.25	23.23	23.24			
15	QPSK	75	0	23.34	23.34	23.27			
15	16QAM	1	0	23.27	23.16	23.15			
15	16QAM	1	37	23.30	23.38	23.36	24.5	1	
15	16QAM	1	74	23.26	23.26	23.15			
15	16QAM	36	0	22.25	22.18	22.15			
15	16QAM	36	20	22.22	22.26	22.20			
15	16QAM	36	39	22.39	22.14	22.28	23.5	2	
15	16QAM	75	0	22.26	22.23	22.31			
15	64QAM	1	0	22.21	22.17	22.30			
15	64QAM	1	37	22.30	22.40	22.36			
15	64QAM	1	74	22.35	22.33	22.30	23.5	2	
15	64QAM	36	0	21.16	21.11	21.09			
15	64QAM	36	20	21.20	21.24	21.07			
15	64QAM	36	39	21.09	21.06	21.14			
15	64QAM	75	0	21.20	21.02	21.25	22.5	3	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.19	24.13	23.98	25.5	0	
10	QPSK	1	25	24.22	24.17	24.22			
10	QPSK	1	49	24.21	24.21	24.09			
10	QPSK	25	0	23.09	23.17	23.09			
10	QPSK	25	12	23.08	23.11	23.07	24.5	1	
10	QPSK	25	25	23.05	23.06	23.04			
10	QPSK	50	0	23.19	23.11	23.01			
10	16QAM	1	0	23.11	23.02	23.00			
10	16QAM	1	25	23.04	23.18	23.10	24.5	1	
10	16QAM	1	49	22.95	22.97	23.06			
10	16QAM	25	0	22.19	22.17	22.13			
10	16QAM	25	12	22.17	22.08	22.08			
10	16QAM	25	25	22.12	22.12	22.08	23.5	2	
10	16QAM	50	0	22.19	22.15	22.04			
10	64QAM	1	0	22.05	22.01	21.98			
10	64QAM	1	25	22.12	22.14	22.14			
10	64QAM	1	49	22.09	22.18	22.10	23.5	2	
10	64QAM	25	0	21.30	21.08	21.11			
10	64QAM	25	12	21.00	21.01	21.03			
10	64QAM	25	25	20.95	20.97	21.10			
10	64QAM	50	0	21.13	20.93	21.09	22.5	3	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.18	24.19	24.21	25.5	0	
5	QPSK	1	12	24.28	24.28	24.24			
5	QPSK	1	24	24.18	24.18	24.09			
5	QPSK	12	0	23.14	23.16	23.11			
5	QPSK	12	7	23.27	23.11	23.13	24.5	1	
5	QPSK	12	13	23.07	23.00	23.06			
5	QPSK	25	0	23.03	23.09	23.06			
5	16QAM	1	0	23.11	23.09	23.10			
5	16QAM	1	12	23.22	23.05	23.06	24.5	1	
5	16QAM	1	24	22.97	23.07	22.96			
5	16QAM	12	0	22.09	22.00	22.03			
5	16QAM	12	7	21.98	21.98	21.86			
5	16QAM	12	13	22.11	21.93	21.93	23.5	2	
5	16QAM	25	0	22.12	22.14	22.08			
5	64QAM	1	0	22.30	22.13	22.07			
5	64QAM	1	12	22.18	22.28	22.40			
5	64QAM	1	24	22.15	22.28	22.03	23.5	2	
5	64QAM	12	0	21.27	21.23	21.04			
5	64QAM	12	7	21.14	21.06	21.13			
5	64QAM	12	13	21.01	20.97	20.96			
5	64QAM	25	0	21.18	21.02	21.07	22.5	3	
Channel				37750	38000	38250			
Frequency (MHz)				2570	2595	2620			

Band 41 Ant4 Default power										
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	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.06	24.00	24.32	24.22	24.26	25.5	0
20	QPSK	1	49	23.96	24.07	24.31	24.05	24.25		
20	QPSK	1	99	23.92	24.08	24.24	24.09	24.30		
20	QPSK	50	0	22.87	23.02	23.25	22.84	23.22		
20	QPSK	50	24	22.88	22.93	23.07	23.16	23.16	24.5	1
20	QPSK	50	50	22.84	22.94	23.24	23.09	23.16		
20	QPSK	100	0	22.89	23.08	23.15	22.93	23.05		
20	16QAM	1	0	23.13	23.22	23.15	23.34	23.42		
20	16QAM	1	49	23.38	23.18	23.41	23.39	23.44	24.5	1
20	16QAM	1	99	23.26	23.37	23.54	23.32	23.38		
20	16QAM	50	0	22.22	22.39	22.23	22.50	22.54		
20	16QAM	50	24	22.34	22.32	22.61	22.39	22.50	23.5	2
20	16QAM	50	50	22.30	22.47	22.56	22.29	22.44		
20	16QAM	100	0	22.16	22.29	22.60	22.62	22.66		
20	64QAM	1	0	22.25	22.30	22.34	22.38	22.66		
20	64QAM	1	49	22.23	22.49	22.50	22.58	22.63	23.5	2
20	64QAM	1	99	22.30	22.55	22.52	22.44	22.57		
20	64QAM	50	0	21.16	21.08	21.31	21.21	21.46		
20	64QAM	50	24	21.17	21.32	21.16	21.42	21.24		
20	64QAM	50	50	21.14	21.17	21.23	21.24	21.30	22.5	3
20	64QAM	100	0	21.14	21.35	21.47	21.42	21.43		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.82	23.80	24.12	24.04	24.16	25.50	0
15	QPSK	1	37	23.88	23.95	24.22	24.20	24.15		
15	QPSK	1	74	23.87	23.90	24.12	24.00	24.21		
15	QPSK	36	0	22.80	22.84	23.15	23.06	23.06		
15	QPSK	36	20	22.95	22.90	23.04	23.12	23.11	24.5	1
15	QPSK	36	39	22.79	22.88	23.19	23.06	23.09		
15	QPSK	75	0	22.96	22.88	23.10	23.00	23.07		
15	16QAM	1	0	22.83	22.98	22.99	23.13	23.12		
15	16QAM	1	37	22.81	22.99	23.27	23.24	23.25	24.5	1
15	16QAM	1	74	22.91	23.22	23.05	22.94	23.19		
15	16QAM	36	0	21.73	21.78	22.08	21.97	21.98		
15	16QAM	36	20	21.96	21.97	22.10	21.97	22.01		
15	16QAM	36	39	21.81	21.95	22.10	21.92	22.11	23.5	2
15	16QAM	75	0	21.83	21.84	22.13	21.92	22.02		
15	64QAM	1	0	21.92	21.77	22.13	22.17	22.04		
15	64QAM	1	37	21.88	22.00	22.06	22.09	21.99		
15	64QAM	1	74	21.88	21.96	22.14	22.12	22.11	23.5	2
15	64QAM	36	0	20.89	20.91	21.26	20.94	21.04		
15	64QAM	36	20	20.96	20.86	21.20	21.14	21.20		
15	64QAM	36	39	20.85	20.93	21.08	20.97	20.93		
15	64QAM	75	0	20.86	20.79	20.97	21.16	21.05	22.5	3
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.84	23.90	24.18	24.18	24.20	25.50	0
10	QPSK	1	25	24.08	24.00	24.22	24.13	24.20		
10	QPSK	1	49	23.96	24.01	24.23	24.15	24.22		
10	QPSK	25	0	22.99	23.16	23.11	23.05	23.17		
10	QPSK	25	12	22.97	23.04	23.08	23.31	23.26	24.5	1
10	QPSK	25	25	22.97	22.99	23.10	23.11	23.13		
10	QPSK	50	0	22.89	23.05	23.15	23.02	23.18		
10	16QAM	1	0	22.93	23.29	23.02	22.87	23.27		
10	16QAM	1	25	22.98	23.11	23.22	23.14	23.30	24.5	1
10	16QAM	1	49	22.87	23.03	23.07	22.96	23.11		
10	16QAM	25	0	21.97	21.98	22.21	22.04	22.16		
10	16QAM	25	12	21.96	22.00	22.16	22.20	22.22		
10	16QAM	25	25	22.03	22.08	22.14	22.09	22.21	23.5	2
10	16QAM	50	0	21.79	21.88	22.28	22.05	22.19		
10	64QAM	1	0	22.09	22.02	22.15	22.13	22.01		
10	64QAM	1	25	22.00	21.96	22.21	22.10	22.22		
10	64QAM	1	49	21.92	21.98	22.12	22.15	22.15	23.5	2
10	64QAM	25	0	20.96	21.06	21.05	21.07	21.12		
10	64QAM	25	12	20.96	20.86	21.24	21.08	21.09		
10	64QAM	25	25	20.98	21.16	21.29	21.04	21.11		
10	64QAM	50	0	20.79	20.83	21.07	21.12	21.15	22.5	3
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.70	23.83	23.98	23.96	23.97	25.50	0
5	QPSK	1	12	23.98	24.00	24.06	24.12	24.14		
5	QPSK	1	24	24.05	24.00	24.03	23.98	24.17		
5	QPSK	12	0	22.60	22.70	22.93	22.83	22.79		
5	QPSK	12	7	22.77	22.71	23.07	22.99	23.00	24.5	1
5	QPSK	12	13	22.63	22.67	22.94	22.72	22.87		
5	QPSK	25	0	22.67	22.86	22.84	23.05	22.83		
5	16QAM	1	0	22.74	22.85	22.99	22.82	22.93		
5	16QAM	1	12	22.86	22.94	23.02	22.93	23.01	24.5	1
5	16QAM	1	24	23.09	23.13	22.95	22.90	22.99		
5	16QAM	12	0	21.57	21.85	22.02	21.88	21.95		
5	16QAM	12	7	21.65	21.82	21.83	21.79	21.72		
5	16QAM	12	13	21.78	21.59	22.06	21.88	21.76	23.5	2
5	16QAM	25	0	21.63	21.71	22.04	22.01	21.77		
5	64QAM	1	0	21.88	21.79	21.93	21.91	21.90		
5	64QAM	1	12	21.72	22.10	22.15	22.04	22.06		
5	64QAM	1	24	21.94	22.08	21.87	22.05	22.16	23.5	2
5	64QAM	12	0	21.07	21.04	21.06	21.10	21.07		
5	64QAM	12	7	21.09	21.25	21.23	21.21	21.25		
5	64QAM	12	13	21.15	21.23	21.12	21.29	21.14		
5	64QAM	25	0	21.18	21.07	21.15	21.13	21.18	22.5	3

Reduced power level for WWAN

		GSM850 Ant0 DSI1							
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		33.07	33.13	33.05	33.50	24.07	24.13	24.05	24.50
GPRS 1 Tx slot		33.05	33.12	33.02	33.50	24.05	24.12	24.02	24.50
GPRS 2 Tx slots		32.05	32.13	32.03	32.50	26.05	26.13	26.03	26.50
GPRS 3 Tx slots		30.01	30.03	29.99	30.50	25.75	25.77	25.73	26.24
GPRS 4 Tx slots		28.80	28.91	28.84	29.50	25.90	25.91	25.84	26.50
EDGE 1 Tx slot		27.04	27.00	26.95	27.50	18.04	18.00	17.95	18.50
EDGE 2 Tx slots		25.33	25.31	25.23	25.50	19.33	19.31	19.23	19.50
EDGE 3 Tx slots		23.79	23.74	23.68	24.00	19.53	19.48	19.42	19.74
EDGE 4 Tx slots		22.63	22.52	22.48	23.50	19.63	19.52	19.48	20.50

WCDMA V Ant0 DSI1								
Band		WCDMA V			Tune-up Limit (dBm)			
TX Channel		4132	4182	4233				
Rx Channel		4357	4407	4458				
Frequency (MHz)		826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	24.51	24.63	24.52	25.50			
3GPP Rel 99	RMC 12.2Kbps	24.55	24.65	24.53	25.50			
3GPP Rel 6	HSDPA Subtest-1	23.78	23.72	23.68	24.50			
3GPP Rel 6	HSDPA Subtest-2	23.73	23.72	23.65	24.50			
3GPP Rel 6	HSDPA Subtest-3	23.27	23.22	23.17	24.00			
3GPP Rel 6	HSDPA Subtest-4	23.23	23.20	23.15	24.00			
3GPP Rel 8	DC-HSDPA Subtest-1	23.62	23.50	23.57	24.50			
3GPP Rel 8	DC-HSDPA Subtest-2	23.58	23.55	23.41	24.50			
3GPP Rel 8	DC-HSDPA Subtest-3	23.13	22.92	23.03	24.00			
3GPP Rel 8	DC-HSDPA Subtest-4	23.09	22.96	22.93	24.00			
3GPP Rel 6	HSUPA Subtest-1	23.73	23.65	23.61	24.50			
3GPP Rel 6	HSUPA Subtest-2	21.82	21.65	21.59	22.50			
3GPP Rel 6	HSUPA Subtest-3	22.72	22.67	22.63	23.50			
3GPP Rel 6	HSUPA Subtest-4	21.28	21.25	21.19	22.50			
3GPP Rel 6	HSUPA Subtest-5	22.70	22.70	22.60	24.50			



Band 5 Ant0 DSH1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				826.5	836.5	846.5			
10	QPSK	1	0	24.20	24.32	24.15			
10	QPSK	1	25	24.31	24.24	24.16	25.5	0	
10	QPSK	1	49	24.22	24.17	24.12			
10	QPSK	25	0	23.22	23.24	23.16			
10	QPSK	25	12	23.21	23.17	23.16	24.5	1	
10	QPSK	25	25	23.19	23.15	23.14			
10	QPSK	50	0	23.22	23.23	23.18			
10	16QAM	1	0	23.37	23.41	23.36	24.5	1	
10	16QAM	1	25	23.42	23.45	23.35			
10	16QAM	1	49	23.40	23.36	23.29			
10	16QAM	25	0	22.19	22.21	22.16			
10	16QAM	25	12	22.20	22.18	22.17			
10	16QAM	25	25	22.18	22.14	22.16	23.5	2	
10	16QAM	50	0	22.20	22.15	22.15			
10	64QAM	1	0	22.32	22.37	22.31			
10	64QAM	1	25	22.45	22.39	22.30	23.5	2	
10	64QAM	1	49	23.23	23.22	22.27			
10	64QAM	25	0	21.19	21.20	21.14			
10	64QAM	25	12	21.19	21.17	21.15	22.5	3	
10	64QAM	25	25	21.17	21.14	21.16			
10	64QAM	50	0	21.18	21.14	21.11			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	24.23	24.24	24.16	25.5	0	
5	QPSK	1	12	24.27	24.26	24.18			
5	QPSK	1	24	24.29	24.21	24.14			
5	QPSK	12	0	23.20	23.24	23.20	24.5	1	
5	QPSK	12	7	23.24	23.22	23.13			
5	QPSK	12	13	23.21	23.11	23.12			
5	QPSK	25	0	23.22	23.18	23.11			
5	16QAM	1	0	23.40	23.43	23.34	24.5	1	
5	16QAM	1	12	23.46	23.43	23.33			
5	16QAM	1	24	23.48	23.37	23.30			
5	16QAM	12	0	22.18	22.22	22.12	23.5	2	
5	16QAM	12	7	22.16	22.17	22.14			
5	16QAM	12	13	22.17	22.09	22.06			
5	16QAM	25	0	22.22	22.17	22.13			
5	64QAM	1	0	22.36	22.38	22.33	23.5	2	
5	64QAM	1	12	22.41	22.41	22.32			
5	64QAM	1	24	22.42	22.34	22.30			
5	64QAM	12	0	21.17	21.17	21.13			
5	64QAM	12	7	21.18	21.15	21.10	22.5	3	
5	64QAM	12	13	21.13	21.06	21.08			
5	64QAM	25	0	21.22	21.14	21.12			
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	24.24	24.24	24.13	25.5	0	
3	QPSK	1	8	24.25	24.19	24.12			
3	QPSK	1	14	24.27	24.18	24.10			
3	QPSK	8	0	23.21	23.15	23.12	24.5	1	
3	QPSK	8	4	23.22	23.21	23.15			
3	QPSK	8	7	23.21	23.19	23.08			
3	QPSK	15	0	23.18	23.17	23.11	24.5	1	
3	16QAM	1	0	23.40	23.42	23.28			
3	16QAM	1	8	23.44	23.36	23.25			
3	16QAM	1	14	23.46	23.34	23.31			
3	16QAM	8	0	22.25	22.23	22.18	23.5	2	
3	16QAM	8	4	22.26	22.24	22.20			
3	16QAM	8	7	22.25	22.25	22.18			
3	16QAM	15	0	22.22	22.20	22.15			
3	64QAM	1	0	22.35	22.34	22.29	23.5	2	
3	64QAM	1	8	22.36	22.37	22.26			
3	64QAM	1	14	22.46	22.33	22.28			
3	64QAM	8	0	21.22	21.21	21.15	22.5	3	
3	64QAM	8	4	21.22	21.19	21.14			
3	64QAM	8	7	21.24	21.17	21.14			
3	64QAM	15	0	21.18	21.18	21.11			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	24.22	24.18	24.16	25.5	0	
1.4	QPSK	1	3	24.25	24.24	24.14			
1.4	QPSK	1	5	24.24	24.21	24.15			
1.4	QPSK	3	0	24.23	24.19	24.19	24.5	1	
1.4	QPSK	3	1	24.21	24.24	24.16			
1.4	QPSK	3	3	24.25	24.21	24.17			
1.4	QPSK	6	0	23.23	23.26	23.19	24.5	1	
1.4	16QAM	1	0	23.39	23.48	23.36			
1.4	16QAM	1	3	23.44	23.46	23.36	24.5	1	
1.4	16QAM	1	5	23.45	23.44	23.32			
1.4	16QAM	3	0	23.25	23.24	23.22			
1.4	16QAM	3	1	23.22	23.27	23.22			
1.4	16QAM	3	3	23.22	23.22	23.20	23.5	2	
1.4	16QAM	6	0	22.27	22.26	22.22			
1.4	16QAM	1	0	22.35	22.42	22.38			
1.4	64QAM	1	3	22.36	22.41	22.34	23.5	2	
1.4	64QAM	1	5	22.43	22.45	22.34			
1.4	64QAM	3	0	22.31	22.31	22.26			
1.4	64QAM	3	1	22.29	22.31	22.25			
1.4	64QAM	3	3	22.28	22.29	22.25			
1.4	64QAM	6	0	21.16	21.22	21.17	22.5	3	

Band 7 Ant0 DSH1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	24.08	24.12	24.04	25.5	0	
20	QPSK	1	49	23.93	23.89	23.83			
20	QPSK	1	99	23.81	23.73	23.81			
20	QPSK	50	0	22.88	22.95	22.78	24.5	1	
20	QPSK	50	24	22.94	22.89	22.85			
20	QPSK	50	50	22.92	22.85	22.82			
20	QPSK	100	0	22.85	22.86	22.80	24.5	1	
20	16QAM	1	0	23.00	23.00	22.94			
20	16QAM	1	49	23.20	23.16	23.10			
20	16QAM	1	99	23.14	23.06	23.05	23.5	2	
20	16QAM	50	0	21.86	21.86	21.76			
20	16QAM	50	24	21.90	21.91	21.79			
20	16QAM	50	50	21.87	21.84	21.84	22.5	3	
20	16QAM	100	0	21.83	21.86	21.75			
20	64QAM	1	0	21.85	21.89	21.82			
20	64QAM	1	49	22.10	22.14	22.00	23.5	2	
20	64QAM	1	99	22.02	21.96	21.97			
20	64QAM	50	0	20.85	20.88	20.80			
20	64QAM	50	24	20.87	20.88	20.80	22.5	3	
20	64QAM	50	50	20.86	20.85	20.80			
20	64QAM	100	0	20.84	20.93	20.79			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	23.88	24.10	23.92	25.5	0	
15	QPSK	1	37	23.91	23.77	23.73			
15	QPSK	1	74	23.62	23.70	23.63			
15	QPSK	36	0	22.79	22.93	22.74	24.5	1	
15	QPSK	36	20	22.91	22.79	22.70			
15	QPSK	36	39	22.87	22.84	22.61			
15	QPSK	75	0	22.79	22.85	22.64	24.5	1	
15	16QAM	1	0	22.96	22.97	22.96			
15	16QAM	1	37	23.16	23.12	23.02			
15	16QAM	1	74	23.08	22.88	22.90	23.5	2	
15	16QAM	36	0	21.70	21.71	21.76			
15	16QAM	36	20	21.72	21.69	21.70			
15	16QAM	36	39	21.76	21.86	21.77	22.5	2	
15	16QAM	75	0	21.72	21.71	21.76			
15	64QAM	1	0	21.68	21.83	21.79			
15	64QAM	1	37	21.94	22.00	21.93	23.5	2	
15	64QAM	1	74	21.93	21.78	21.85			
15	64QAM	36	0	20.71	20.76	20.52			
15	64QAM	36	20	20.71	20.67	20.67	22.5	3	
15	64QAM	36	39	20.69	20.67	20.62			
15	64QAM	75	0	20.73	20.83	20.60			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	24.03	24.10	23.99	25.5	0	
10	QPSK	1	25	23.88	23.71	23.68			
10	QPSK	1	49	23.77	23.63	23.63			
10	QPSK	25	0	22.88	22.95	22.65	24.5	1	
10	QPSK	25	12	22.72	22.85	22.86			
10	QPSK	25	25	22.78	22.82	22.70			
10	QPSK	50	0	22.86	22.76	22.68	24.5	1	
10	16QAM	1	0	22.87	22.80	22.93			
10	16QAM	1	25	23.06	23.04	22.96			
10	16QAM	1	49	22.96	23.01	22.96	23.5	2	
10	16QAM	25	0	21.65	21.88	21.64			
10	16QAM	25	12	21.80	21.89	21.71			
10	16QAM	25	25	21.80	21.84	21.69	23.5	2	
10	16QAM	50	0	21.73	21.65	21.63			
10	16QAM	1	0	21.65	21.73	21.61			
10	64QAM	1	25	22.11	22.06	21.80	22.5	2	
10	64QAM	1	49	21.84	21.77	21.97			
10	64QAM	25	0	20.79	20.74	20.61			
10	64QAM	25	12	20.87	20.81	20.74	22.5	3	
10	64QAM	25	25	20.65	20.73	20.59			
10	64QAM	50	0	20.78	20.89	20.73			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.97	24.07	24.00	25.5	0	
5	QPSK	1	12	23.75	23.68	23.74			
5	QPSK	1	24	23.83	23.64	23.65			
5	QPSK	12	0	22.75	22.85	22.77	24.5	1	
5	QPSK	12	7	22.83	22.80	22.70			
5	QPSK	12	13	22.94	22.74	22.67			
5	QPSK	25	0	22.74	22.69	22.67	24.5	1	
5	16QAM	1	0	22.82	22.87	22.83			
5	16QAM	1	12	23.00	22.95	22.88			
5	16QAM	1	24	23.08	22.87	23.07	23.5	2	
5	16QAM	12	0	21.85	21.65	21.56			
5	16QAM	12	7	21.74	21.79	21.66			
5	16QAM	12	13	21.71	21.62	21.65	23.5	2	
5	16QAM	25	0	21.76	21.84	21.56			
5	64QAM	1	0	21.66	21.70	21.82			
5	64QAM	1	12	21.92	22.06	22.02	23.5	2	
5	64QAM	1	24	21.84	21.92	21.83			
5	64QAM	12	0	20.76	20.66	20.52			
5	64QAM	12	7	20.87	20.72	20.81	22.5	3	
5	64QAM	12	13	20.68	20.74	20.71			
5	64QAM	25	0	20.80	20.78	20.75			

Band 13 Ant0 DSH									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23230					
Frequency (MHz)				762					
10	QPSK	1	0		24.56		25.5	0	
10	QPSK	1	25		24.48				
10	QPSK	1	49		24.41				
10	QPSK	25	0		23.38		24.5	1	
10	QPSK	25	12		23.28				
10	QPSK	25	25		23.29				
10	QPSK	50	0		23.41		24.5	1	
10	16QAM	1	0		23.54				
10	16QAM	1	25		23.46				
10	16QAM	1	49		23.39		24.5	1	
10	16QAM	25	0		22.38				
10	16QAM	25	12		22.27				
10	16QAM	25	25		22.24		23.5	2	
10	16QAM	50	0		22.36				
10	64QAM	1	0		22.59		23.5	2	
10	64QAM	1	25		22.50				
10	64QAM	1	49		22.39				
10	64QAM	25	0		21.34		22.5	3	
10	64QAM	25	12		21.21				
10	64QAM	25	25		21.28				
10	64QAM	50	0		21.49				
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	24.34	24.47	24.37	25.5	0	
5	QPSK	1	12	24.24	24.35	24.30			
5	QPSK	1	24	24.23	24.32	24.22			
5	QPSK	12	0	23.21	23.27	23.19	24.5	1	
5	QPSK	12	7	23.10	23.18	23.07			
5	QPSK	12	13	23.12	23.19	23.10			
5	QPSK	25	0	23.18	23.33	23.18	24.5	1	
5	16QAM	1	0	23.34	23.44	23.32			
5	16QAM	1	12	23.29	23.37	23.27			
5	16QAM	1	24	23.18	23.26	23.19	23.5	2	
5	16QAM	12	0	22.20	22.28	22.16			
5	16QAM	12	7	22.06	22.20	22.07			
5	16QAM	12	13	22.03	22.12	22.03	23.5	2	
5	16QAM	25	0	22.16	22.26	22.15			
5	64QAM	1	0	22.43	22.46	22.38	23.5	2	
5	64QAM	1	12	22.26	22.43	22.35			
5	64QAM	1	24	22.22	22.28	22.24			
5	64QAM	12	0	21.16	21.25	21.17	22.5	3	
5	64QAM	12	7	21.03	21.10	21.01			
5	64QAM	12	13	21.09	21.20	21.10			
5	64QAM	25	0	21.25	21.37	21.31			

Band 17 Ant0 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				706	710	711			
10	QPSK	1	0	24.49	24.56	24.53	25.5	0	
10	QPSK	1	25	24.40	24.46	24.38			
10	QPSK	1	49	24.42	24.49	24.39			
10	QPSK	25	0	23.42	23.46	23.45	24.5	1	
10	QPSK	25	12	23.29	23.34	23.39			
10	QPSK	25	25	23.32	23.38	23.36			
10	QPSK	50	0	23.40	23.43	23.40	24.5	1	
10	16QAM	1	0	23.49	23.59	23.55			
10	16QAM	1	25	23.38	23.44	23.34			
10	16QAM	1	49	23.41	23.47	23.37	23.5	2	
10	16QAM	25	0	22.45	22.44	22.47			
10	16QAM	25	12	22.26	22.35	22.38			
10	16QAM	25	25	22.35	22.39	22.35	23.5	2	
10	16QAM	50	0	22.35	22.43	22.44			
10	64QAM	1	0	22.48	22.54	22.54			
10	64QAM	1	25	22.35	22.42	22.32	22.5	3	
10	64QAM	1	49	22.45	22.42	22.34			
10	64QAM	25	0	21.42	21.48	21.52			
10	64QAM	25	12	21.26	21.34	21.36	22.5	3	
10	64QAM	25	25	21.37	21.35	21.30			
10	64QAM	50	0	21.40	21.39	21.49			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.44	24.41	24.44	25.5	0	
5	QPSK	1	12	24.32	24.32	24.28			
5	QPSK	1	24	24.28	24.41	24.33			
5	QPSK	12	0	23.31	23.34	23.34	24.5	1	
5	QPSK	12	7	23.19	23.26	23.24			
5	QPSK	12	13	23.21	23.32	23.21			
5	QPSK	25	0	23.30	23.31	23.25	24.5	1	
5	16QAM	1	0	23.40	23.44	23.41			
5	16QAM	1	12	23.23	23.34	23.19			
5	16QAM	1	24	23.31	23.35	23.32	23.5	2	
5	16QAM	12	0	22.31	22.33	22.40			
5	16QAM	12	7	22.18	22.27	22.26			
5	16QAM	12	13	22.27	22.32	22.21	23.5	2	
5	16QAM	25	0	22.25	22.36	22.30			
5	64QAM	1	0	22.38	22.47	22.45	23.5	2	
5	64QAM	1	12	22.26	22.29	22.22			
5	64QAM	1	24	22.30	22.36	22.19			
5	64QAM	12	0	21.35	21.34	21.43	22.5	3	
5	64QAM	12	7	21.15	21.29	21.28			
5	64QAM	12	13	21.23	21.24	21.16			
5	64QAM	25	0	21.32	21.39	21.37			

Band 26 Ant0 DSH									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.55	24.60	24.57	25.5	0	
15	QPSK	1	37	24.41	24.46	24.51			
15	QPSK	1	74	24.43	24.49	24.46			
15	QPSK	36	0	23.52	23.59	23.58	24.5	1	
15	QPSK	36	20	23.46	23.43	23.44			
15	QPSK	36	39	23.43	23.54	23.52			
15	QPSK	75	0	23.56	23.64	23.50	24.5	1	
15	16QAM	1	0	23.58	23.58	23.62			
15	16QAM	1	37	23.39	23.46	23.46			
15	16QAM	1	74	23.48	23.56	23.49	23.5	2	
15	16QAM	36	0	22.51	22.65	22.54			
15	16QAM	36	20	22.41	22.50	22.50			
15	16QAM	36	39	22.44	22.56	22.48	23.5	2	
15	16QAM	75	0	22.59	22.63	22.50			
15	64QAM	1	0	22.59	22.55	22.62			
15	64QAM	1	37	22.35	22.52	22.47	23.5	2	
15	64QAM	1	74	22.46	22.56	22.50			
15	64QAM	36	0	21.47	21.69	21.56			
15	64QAM	36	20	21.43	21.54	21.56	22.5	3	
15	64QAM	36	39	21.46	21.63	21.46			
15	64QAM	75	0	21.56	21.58	21.49			
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.46	24.52	24.47	25.5	0	
10	QPSK	1	25	24.26	24.32	24.41			
10	QPSK	1	49	24.31	24.38	24.32			
10	QPSK	25	0	23.38	23.50	23.44	24.5	1	
10	QPSK	25	12	23.36	23.33	23.29			
10	QPSK	25	25	23.28	23.41	23.42			
10	QPSK	50	0	23.42	23.57	23.36	24.5	1	
10	16QAM	1	0	23.50	23.48	23.52			
10	16QAM	1	25	23.28	23.31	23.34			
10	16QAM	1	49	23.39	23.43	23.38	23.5	2	
10	16QAM	25	0	22.43	22.54	22.46			
10	16QAM	25	12	22.42	22.38	22.45			
10	16QAM	25	25	22.32	22.48	22.35	23.5	2	
10	16QAM	50	0	22.47	22.54	22.43			
10	16QAM	1	0	22.49	22.47	22.53			
10	64QAM	1	25	22.26	22.42	22.34	22.5	2	
10	64QAM	1	49	22.35	22.49	22.43			
10	64QAM	25	0	21.38	21.55	21.42			
10	64QAM	25	12	21.31	21.42	21.46	22.5	3	
10	64QAM	25	25	21.38	21.48	21.36			
10	64QAM	50	0	21.47	21.48	21.36			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.46	24.46	24.44	25.5	0	
5	QPSK	1	12	24.31	24.31	24.37			
5	QPSK	1	24	24.29	24.36	24.38			
5	QPSK	12	0	23.39	23.51	23.50	24.5	1	
5	QPSK	12	7	23.32	23.30	23.33			
5	QPSK	12	13	23.35	23.43	23.39			
5	QPSK	25	0	23.44	23.54	23.39	24.5	1	
5	16QAM	1	0	23.45	23.44	23.52			
5	16QAM	1	12	23.26	23.33	23.34			
5	16QAM	1	24	23.37	23.40	23.38	23.5	2	
5	16QAM	12	0	22.37	22.57	22.42			
5	16QAM	12	7	22.32	22.36	22.38			
5	16QAM	12	13	22.33	22.45	22.36	23.5	2	
5	16QAM	25	0	22.48	22.54	22.38			
5	16QAM	1	0	22.51	22.44	22.54			
5	64QAM	1	12	22.23	22.39	22.38	23.5	2	
5	64QAM	1	24	22.41	22.43	22.40			
5	64QAM	12	0	21.36	21.61	21.44			
5	64QAM	12	7	21.28	21.45	21.46	22.5	3	
5	64QAM	12	13	21.38	21.54	21.32			
5	64QAM	25	0	21.49	21.47	21.35			
Channel				26705	26865	27020	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.48	24.45	24.45	25.5	0	
3	QPSK	1	8	24.30	24.32	24.43			
3	QPSK	1	14	24.36	24.33	24.31			
3	QPSK	8	0	23.38	23.45	23.49	24.5	1	
3	QPSK	8	4	23.39	23.28	23.35			
3	QPSK	8	7	23.26	23.43	23.38			
3	QPSK	15	0	23.46	23.56	23.37	24.5	1	
3	16QAM	1	0	23.46	23.50	23.45			
3	16QAM	1	8	23.26	23.33	23.31			
3	16QAM	1	14	23.37	23.40	23.33	23.5	2	
3	16QAM	8	0	22.39	22.54	22.42			
3	16QAM	8	4	22.31	22.39	22.42			
3	16QAM	8	7	22.30	22.43	22.34	23.5	2	
3	16QAM	15	0	22.49	22.53	22.39			
3	64QAM	1	0	22.47	22.48	22.55			
3	64QAM	8	0	22.24	22.38	22.36	23.5	2	
3	64QAM	1	14	22.32	22.45	22.35			
3	64QAM	8	0	21.33	21.56	21.48			
3	64QAM	8	4	21.31	21.37	21.43	22.5	3	
3	64QAM	8	7	21.37	21.55	21.41			
3	64QAM	15	0	21.45	21.48	21.32			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.7	831.5	846.3			
1.4	QPSK	1	0	24.38	24.43	24.50	25.5	0	
1.4	QPSK	1	3	24.29	24.36	24.40			
1.4	QPSK	1	5	24.27	24.40	24.38			
1.4	QPSK	3	0	24.43	24.46	24.49	24.5	1	
1.4	QPSK	3	1	24.36	24.35	24.28			
1.4	QPSK	3	3	24.28	24.45	24.37			
1.4	QPSK	6	0	23.41	23.47	23.40	24.5	1	
1.4	16QAM	1	0	23.51	23.49	23.47			
1.4	16QAM	1	3	23.31	23.37	23.33			
1.4	16QAM	1	5	23.35	23.42	23.31	23.5	2	
1.4	16QAM	3	0	23.38	23.52	23.42			
1.4	16QAM	3	1	23.26	23.42	23.41			
1.4	16QAM	3	3	23.31	23.40	23.33	23.5	2	
1.4	16QAM	6	0	22.47	22.56	22.43			
1.4	64QAM	1	0	22.46	22.38	22.53			
1.4	64QAM	1	3	22.25	22.43	22.39	23.5	2	
1.4	64QAM	1	5	22.35	22.46	22.35			
1.4	64QAM	3	0	22.38	22.56	22.41			
1.4	64QAM	3	1	22.27	22.42	22.48	22.5	3	
1.4	64QAM	3	3	22.33	22.51	22.36			
1.4	64QAM	6	0	21.43	21.49	21.34			

Band 38 Ant0 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.54	24.55	24.51	24.5	1	
20	QPSK	1	49	24.50	24.46	24.33			
20	QPSK	1	99	24.36	24.25	24.17			
20	QPSK	50	0	23.50	23.52	23.28			
20	QPSK	50	24	23.51	23.37	23.29			
20	QPSK	50	50	23.46	23.31	23.25			
20	QPSK	100	0	23.44	23.48	23.34	24.5	1	
20	16QAM	1	0	23.43	23.33	23.20			
20	16QAM	1	49	23.51	23.45	23.30			
20	16QAM	1	99	23.33	23.24	23.12			
20	16QAM	50	0	22.50	22.41	22.28			
20	16QAM	50	24	22.51	22.37	22.28			
20	16QAM	50	50	22.46	22.29	22.26	23.5	2	
20	16QAM	100	0	22.46	22.34	22.23			
20	64QAM	1	0	22.20	22.08	21.97			
20	64QAM	1	49	22.28	22.23	22.08			
20	64QAM	1	99	22.09	22.03	21.94			
20	64QAM	50	0	21.47	21.34	21.21			
20	64QAM	50	24	21.42	21.31	21.20	22.5	3	
20	64QAM	50	50	21.39	21.23	21.18			
20	64QAM	100	0	21.51	21.38	21.28			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	24.50	24.34	24.50	24.5	0	
15	QPSK	1	37	24.51	24.48	24.52			
15	QPSK	1	74	24.48	24.31	24.48			
15	QPSK	36	0	23.48	23.34	23.48			
15	QPSK	36	20	23.47	23.34	23.47			
15	QPSK	36	39	23.41	23.29	23.41			
15	QPSK	75	0	23.50	23.35	23.50	24.5	1	
15	16QAM	1	0	23.50	23.33	23.50			
15	16QAM	1	37	23.58	23.44	23.58			
15	16QAM	1	74	23.46	23.31	23.46			
15	16QAM	36	0	22.42	22.28	22.42			
15	16QAM	36	20	22.45	22.30	22.45			
15	16QAM	36	39	22.38	22.26	22.38	23.5	2	
15	16QAM	75	0	22.47	22.34	22.47			
15	64QAM	1	0	22.28	22.13	22.28			
15	64QAM	1	37	22.33	22.24	22.33			
15	64QAM	1	74	22.24	22.08	22.24			
15	64QAM	36	0	21.48	21.34	21.48			
15	64QAM	36	20	21.46	21.33	21.46	22.5	3	
15	64QAM	36	39	21.42	21.28	21.42			
15	64QAM	75	0	21.46	21.31	21.46			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.46	24.41	24.30	25.5	0	
10	QPSK	1	25	24.50	24.50	24.40			
10	QPSK	1	49	24.52	24.42	24.29			
10	QPSK	25	0	23.56	23.43	23.29			
10	QPSK	25	12	23.52	23.40	23.30			
10	QPSK	25	25	23.50	23.34	23.25			
10	QPSK	50	0	23.55	23.39	23.30	24.5	1	
10	16QAM	1	0	23.59	23.41	23.28			
10	16QAM	1	25	23.60	23.49	23.36			
10	16QAM	1	49	23.53	23.38	23.25			
10	16QAM	25	0	22.58	22.44	22.33			
10	16QAM	25	12	22.54	22.40	22.32			
10	16QAM	25	25	22.50	22.36	22.27	23.5	2	
10	16QAM	50	0	22.57	22.42	22.30			
10	64QAM	1	0	22.33	22.18	22.07			
10	64QAM	1	25	22.34	22.25	22.14			
10	64QAM	1	49	22.30	22.19	22.04			
10	64QAM	25	0	21.53	21.38	21.26			
10	64QAM	25	12	21.49	21.36	21.27	22.5	3	
10	64QAM	25	25	21.46	21.31	21.20			
10	64QAM	50	0	21.48	21.31	21.24			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.49	24.43	24.37	25.5	0	
5	QPSK	1	12	24.44	24.43	24.38			
5	QPSK	1	24	24.48	24.43	24.31			
5	QPSK	12	0	23.59	23.46	23.33			
5	QPSK	12	7	23.53	23.40	23.27			
5	QPSK	12	13	23.51	23.35	23.26			
5	QPSK	25	0	23.55	23.40	23.24	24.5	1	
5	16QAM	1	0	23.61	23.45	23.34			
5	16QAM	1	12	23.62	23.48	23.34			
5	16QAM	1	24	23.55	23.42	23.26			
5	16QAM	12	0	22.52	22.38	22.23			
5	16QAM	12	7	22.46	22.32	22.20			
5	16QAM	12	13	22.46	22.29	22.17	23.5	2	
5	16QAM	25	0	22.57	22.41	22.30			
5	64QAM	1	0	22.38	22.23	22.14			
5	64QAM	1	12	22.40	22.33	22.13			
5	64QAM	1	24	22.34	22.23	22.10			
5	64QAM	12	0	21.50	21.35	21.23			
5	64QAM	12	7	21.47	21.34	21.16	22.5	3	
5	64QAM	12	13	21.41	21.26	21.16			
5	64QAM	25	0	21.49	21.35	21.23			

Band 41 Ant0 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.60	24.52	24.08	24.41	24.30	24.5	1
20	QPSK	1	49	24.57	24.66	24.55	24.32	24.52		
20	QPSK	1	99	24.56	24.56	24.34	24.43	24.58		
20	QPSK	50	0	23.64	23.61	23.65	23.23	23.43		
20	QPSK	50	24	23.60	23.61	23.47	23.32	23.50		
20	QPSK	50	50	23.62	23.59	23.38	23.25	23.46		
20	QPSK	100	0	23.60	23.56	23.62	23.23	23.43	24.5	1
20	16QAM	1	0	23.59	23.53	23.40	23.42	23.34		
20	16QAM	1	49	23.71	23.68	23.50	23.33	23.54		
20	16QAM	1	99	23.57	23.56	23.34	23.43	23.53		
20	16QAM	50	0	22.62	22.60	22.46	22.20	22.44		
20	16QAM	50	24	22.65	22.63	22.46	22.31	22.48		
20	16QAM	50	50	22.60	22.58	22.39	22.26	22.46	23.5	2
20	16QAM	100	0	22.62	22.61	22.42	22.23	22.46		
20	64QAM	1	0	22.87	22.78	22.63	22.70	22.59		
20	64QAM	1	49	22.97	22.95	22.83	22.60	22.80		
20	64QAM	1	99	22.83	22.81	22.59	22.71	22.84		
20	64QAM	50	0	21.76	21.75	21.60	21.37	21.57		
20	64QAM	50	24	21.80	21.77	21.59	21.44	21.61	22.5	3
20	64QAM	50	50	21.76	21.75	21.52	21.42	21.61		
20	64QAM	100	0	21.87	21.84	21.67	21.46	21.69		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	25.50	0
15	QPSK	1	0	24.59	24.57	24.42	24.47	24.40	24.5	1
15	QPSK	1	37	24.57	24.63	24.55	24.37	24.57		
15	QPSK	1	74	24.61	24.58	24.41	24.47	24.62		
15	QPSK	36	0	23.64	23.56	23.41	23.22	23.44		
15	QPSK	36	20	23.63	23.57	23.41	23.24	23.49		
15	QPSK	36	39	23.60	23.55	23.39	23.19	23.49		
15	QPSK	75	0	23.66	23.61	23.46	23.21	23.52	24.5	1
15	16QAM	1	0	23.67	23.55	23.46	23.21	23.40		
15	16QAM	1	37	23.70	23.68	23.55	23.29	23.57		
15	16QAM	1	74	23.80	23.57	23.38	23.20	23.58		
15	16QAM	36	0	22.63	22.54	22.37	22.18	22.38		
15	16QAM	36	20	22.59	22.54	22.38	22.19	22.42		
15	16QAM	36	39	22.60	22.53	22.36	22.20	22.44	23.5	2
15	16QAM	75	0	22.63	22.62	22.41	22.22	22.45		
15	64QAM	1	0	22.65	22.50	22.37	22.45	22.35		
15	64QAM	1	37	22.67	22.63	22.56	22.49	22.56		
15	64QAM	1	74	22.57	22.57	22.39	22.46	22.58		
15	64QAM	36	0	21.65	21.53	21.41	21.22	21.43		
15	64QAM	36	20	21.64	21.55	21.42	21.27	21.45	22.5	3
15	64QAM	36	39	21.62	21.59	21.39	21.19	21.48		
15	64QAM	75	0	21.63	21.60	21.42	21.24	21.48		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	25.50	0
10	QPSK	1	0	24.56	24.61	24.51	24.32	24.55	24.5	0
10	QPSK	1	25	24.52	24.67	24.57	24.36	24.67		
10	QPSK	1	49	24.67	24.64	24.46	24.27	24.53		
10	QPSK	25	0	23.68	23.64	23.51	23.27	23.59		
10	QPSK	25	12	23.65	23.66	23.49	23.29	23.60		
10	QPSK	25	25	23.66	23.61	23.43	23.26	23.57		
10	QPSK	50	0	23.67	23.63	23.50	23.28	23.60	24.5	1
10	16QAM	1	0	23.73	23.61	23.52	23.29	23.55		
10	16QAM	1	25	23.71	23.66	23.57	23.34	23.66		
10	16QAM	1	49	23.63	23.62	23.45	23.28	23.68		
10	16QAM	25	0	22.68	22.67	22.50	22.31	22.58		
10	16QAM	25	12	22.67	22.64	22.47	22.32	22.59		
10	16QAM	25	25	22.65	22.61	22.45	22.27	22.58	23.5	2
10	16QAM	50	0	22.66	22.62	22.45	22.28	22.59		
10	64QAM	1	0	22.69	22.55	22.45	22.25	22.52		
10	64QAM	1	25	22.68	22.61	22.51	22.30	22.62		
10	64QAM	1	49	22.62	22.59	22.41	22.25	22.69		
10	64QAM	25	0	21.62	21.60	21.50	21.25	21.54		
10	64QAM	25	12	21.64	21.60	21.41	21.29	21.54	22.5	3
10	64QAM	25	25	21.63	21.56	21.39	21.25	21.54		
10	64QAM	50	0	21.60	21.55	21.42	21.21	21.52		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	25.50	0
5	QPSK	1	0	24.57	24.65	24.53	24.56	24.64	24.5	0
5	QPSK	1	12	24.59	24.63	24.63	24.58	24.59		
5	QPSK	1	24	24.51	24.65	24.51	24.55	24.57		
5	QPSK	12	0	23.72	23.65	23.53	23.33	23.66		
5	QPSK	12	7	23.72	23.63	23.47	23.28	23.63		
5	QPSK	12	13	23.65	23.58	23.44	23.27	23.61		
5	QPSK	25	0	23.68	23.63	23.47	23.27	23.62	24.5	1
5	16QAM	1	0	23.74	23.67	23.54	23.31	23.62		
5	16QAM	1	12	23.74	23.70	23.59	23.35	23.72		
5	16QAM	1	24	23.67	23.66	23.52	23.28	23.69		
5	16QAM	12	0	22.64	22.59	22.43	22.26	22.56		
5	16QAM	12	7	22.65	22.55	22.44	22.20	22.56		
5	16QAM	12	13	22.60	22.52	22.38	22.20	22.60	23.5	2
5	16QAM	25	0	22.68	22.66	22.50	22.29	22.65		
5	64QAM	1	0	22.76	22.63	22.52	22.31	22.61		
5	64QAM	1	12	22.76	22.67	22.56	22.38	22.74		
5	64QAM	1	24	22.70	22.63	22.51	22.29	22.74		
5	64QAM	12	0	21.65	21.57	21.46	21.24	21.57		
5	64QAM	12	7	21.65	21.57	21.43	21.19	21.53	22.5	3
5	64QAM	12	13	21.56	21.55	21.36	21.18	21.56		
5	64QAM	25	0	21.65	21.58	21.45	21.24	21.57		

GSM1900 Ant1 DSI1

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.31	29.34	28.97	30.00	20.31	20.34	19.97	21.00
GPRS 1 Tx slot	29.23	29.26	28.89	30.00	20.23	20.26	19.89	21.00
GPRS 2 Tx slots	28.86	28.91	28.74	29.50	22.86	22.91	22.74	23.50
GPRS 3 Tx slots	28.36	28.38	26.13	27.50	22.10	22.12	21.87	23.24
GPRS 4 Tx slots	25.26	25.28	24.93	26.00	22.26	22.28	21.93	23.00
EDGE 1 Tx slot	25.39	25.31	25.32	25.50	16.39	16.31	16.32	16.50
EDGE 2 Tx slots	24.38	24.33	24.33	24.50	18.38	18.33	18.33	18.50
EDGE 3 Tx slots	22.39	22.32	22.42	22.50	18.13	18.06	18.16	18.24
EDGE 4 Tx slots	21.37	21.46	21.23	21.50	18.37	18.46	18.23	18.50

WCDMA II Ant1 DSI1

WCDMA IV Ant1 DSI1

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	22.29	22.41	22.35	23.50	24.69	24.72	24.75	25.50
3GPP Rel 99 RMC 12.2Kbps	22.30	22.43	22.37	23.50	24.78	24.85	24.83	25.50
3GPP Rel 6 HSDPA Subtest-1	21.40	21.50	21.34	22.50	23.93	23.94	23.81	24.50
3GPP Rel 6 HSDPA Subtest-2	21.36	21.62	21.57	22.50	23.81	23.84	23.87	24.50
3GPP Rel 6 HSDPA Subtest-3	20.99	20.95	20.91	22.00	23.26	23.43	23.44	24.00
3GPP Rel 6 HSDPA Subtest-4	20.86	20.91	20.85	22.00	23.28	23.49	23.28	24.00
3GPP Rel 8 DC-HSDPA Subtest-1	21.48	21.44	21.46	22.50	23.85	23.81	23.91	24.50
3GPP Rel 8 DC-HSDPA Subtest-2	21.42	21.51	21.51	22.50	23.88	23.85	23.98	24.50
3GPP Rel 8 DC-HSDPA Subtest-3	20.99	21.10	21.02	22.00	23.37	23.36	23.36	24.00
3GPP Rel 8 DC-HSDPA Subtest-4	20.96	20.98	20.90	22.00	23.28	23.39	23.48	24.00
3GPP Rel 6 HSUPA Subtest-1	21.45	21.58	21.56	22.50	23.83	23.90	23.95	24.50
3GPP Rel 6 HSUPA Subtest-2	19.37	19.53	19.35	20.50	21.85	21.81	21.97	22.50
3GPP Rel 6 HSUPA Subtest-3	20.46	20.59	20.45	21.50	22.73	22.81	23.00	23.50
3GPP Rel 6 HSUPA Subtest-4	19.45	19.54	19.45	20.50	21.79	21.82	21.98	22.50
3GPP Rel 6 HSUPA Subtest-5	21.45	21.55	21.34	22.50	23.76	23.84	23.97	24.50



Band 2 Ant1 DSH1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.30	22.42	22.26	23.5	0	
20	QPSK	1	49	22.17	22.28	22.17			
20	QPSK	1	99	22.24	22.32	22.12			
20	QPSK	50	0	21.29	21.52	21.32	22.5	1	
20	QPSK	50	24	21.17	21.38	21.23			
20	QPSK	50	50	21.21	21.43	21.27			
20	QPSK	100	0	21.26	21.41	21.22	22.5	1	
20	16QAM	1	0	21.32	21.45	21.21			
20	16QAM	1	49	21.18	21.28	21.20			
20	16QAM	1	99	21.24	21.34	21.09	22.5	1	
20	16QAM	50	0	20.28	20.51	20.31			
20	16QAM	50	24	20.18	20.36	20.25			
20	16QAM	50	50	20.20	20.42	20.27	21.5	2	
20	16QAM	100	0	20.23	20.45	20.17			
20	64QAM	1	0	20.32	20.42	20.24			
20	64QAM	1	49	20.18	20.30	20.16	21.5	2	
20	64QAM	1	99	20.25	20.37	20.09			
20	64QAM	50	0	19.30	19.55	19.31			
20	64QAM	50	24	19.21	19.33	19.30	20.5	3	
20	64QAM	50	50	19.16	19.44	19.28			
20	64QAM	100	0	19.25	19.41	19.18			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.17	22.37	22.14	23.5	0	
15	QPSK	1	37	22.05	22.16	22.10			
15	QPSK	1	74	22.12	22.19	22.05			
15	QPSK	36	0	21.16	21.39	21.25	22.5	1	
15	QPSK	36	20	21.05	21.24	21.09			
15	QPSK	36	39	21.09	21.32	21.13			
15	QPSK	75	0	21.20	21.27	21.07	22.5	1	
15	16QAM	1	0	21.18	21.35	21.08			
15	16QAM	1	37	21.11	21.21	21.11			
15	16QAM	1	74	21.15	21.22	21.02	21.5	2	
15	16QAM	36	0	20.13	20.39	20.21			
15	16QAM	36	20	20.07	20.28	20.14			
15	16QAM	36	39	20.10	20.33	20.17	21.5	2	
15	16QAM	75	0	20.10	20.37	20.07			
15	64QAM	1	0	20.26	20.32	20.15			
15	64QAM	1	37	20.10	20.25	20.10	21.5	2	
15	64QAM	1	74	20.13	20.22	20.06			
15	64QAM	36	0	19.20	19.47	19.17			
15	64QAM	36	20	19.13	19.23	19.19	20.5	3	
15	64QAM	36	39	19.02	19.29	19.21			
15	64QAM	75	0	19.19	19.28	19.17			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.21	22.32	22.17	23.5	0	
10	QPSK	1	25	22.03	22.17	22.08			
10	QPSK	1	49	22.13	22.19	22.09			
10	QPSK	25	0	21.15	21.46	21.21	22.5	1	
10	QPSK	25	12	21.09	21.25	21.13			
10	QPSK	25	25	21.09	21.31	21.18			
10	QPSK	50	0	21.14	21.30	21.14	22.5	1	
10	16QAM	1	0	21.21	21.38	21.13			
10	16QAM	1	25	21.13	21.14	21.14			
10	16QAM	1	49	21.19	21.21	21.05	21.5	2	
10	16QAM	25	0	20.15	20.38	20.19			
10	16QAM	25	12	20.09	20.31	20.16			
10	16QAM	25	25	20.08	20.31	20.14	21.5	2	
10	16QAM	50	0	20.14	20.34	20.10			
10	64QAM	1	0	20.22	20.37	20.13			
10	64QAM	1	25	20.04	20.19	20.10	21.5	2	
10	64QAM	1	49	20.14	20.28	20.06			
10	64QAM	25	0	19.20	19.36	19.25			
10	64QAM	25	12	19.08	19.21	19.22	20.5	3	
10	64QAM	25	25	19.10	19.37	19.16			
10	64QAM	50	0	19.13	19.33	19.07			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.19	22.29	22.15	23.5	0	
5	QPSK	1	12	22.07	22.15	22.04			
5	QPSK	1	24	22.11	22.22	22.02	22.5	1	
5	QPSK	12	0	21.19	21.44	21.18			
5	QPSK	12	7	21.22	21.30	21.15			
5	QPSK	12	13	21.14	21.36	21.21	22.5	1	
5	QPSK	25	0	21.17	21.29	21.10			
5	16QAM	1	0	21.22	21.38	21.11			
5	16QAM	1	12	21.11	21.13	21.09	21.5	2	
5	16QAM	1	24	21.17	21.21	21.04			
5	16QAM	12	0	20.21	20.40	20.26			
5	16QAM	12	7	20.07	20.25	20.13	21.5	2	
5	16QAM	12	13	20.12	20.33	20.19			
5	16QAM	25	0	20.09	20.33	20.09			
5	64QAM	1	0	20.25	20.32	20.16	21.5	2	
5	64QAM	1	12	20.07	20.20	20.04			
5	64QAM	1	24	20.14	20.29	20.01			
5	64QAM	12	0	19.22	19.39	19.26	20.5	3	
5	64QAM	12	7	19.17	19.24	19.25			
5	64QAM	12	13	19.08	19.34	19.15			
5	64QAM	25	0	19.15	19.30	19.09			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.20	22.28	22.21	23.5	0	
3	QPSK	1	8	22.06	22.21	22.11			
3	QPSK	1	14	22.17	22.22	22.01			
3	QPSK	8	0	21.18	21.38	21.23	22.5	1	
3	QPSK	8	4	21.05	21.32	21.15			
3	QPSK	8	7	21.13	21.37	21.25			
3	QPSK	15	0	21.11	21.34	21.16	22.5	1	
3	16QAM	1	0	21.19	21.39	21.21			
3	16QAM	1	8	21.13	21.22	21.11			
3	16QAM	1	14	21.14	21.26	21.19	21.5	2	
3	16QAM	8	0	20.16	20.45	20.21			
3	16QAM	8	4	20.12	20.22	20.19			
3	16QAM	8	7	20.12	20.31	20.16	21.5	2	
3	16QAM	15	0	20.11	20.32	20.09			
3	64QAM	1	0	20.25	20.29	20.14			
3	64QAM	1	8	20.10	20.20	20.06	20.5	3	
3	64QAM	1	14	20.18	20.31	20.01			
3	64QAM	8	0	19.21	19.42	19.21			
3	64QAM	8	4	19.07	19.21	19.16	20.5	3	
3	64QAM	8	7	19.10	19.35	19.14			
3	64QAM	15	0	19.16	19.34	19.07			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.14	22.26	22.11	23.5	0	
1.4	QPSK	1	3	22.05	22.14	22.03			
1.4	QPSK	1	5	22.14	22.15	22.09			
1.4	QPSK	3	0	22.21	22.35	22.21	22.5	1	
1.4	QPSK	3	1	22.09	22.23	22.14			
1.4	QPSK	3	3	22.08	22.28	22.12			
1.4	QPSK	6	0	21.13	21.25	21.06	22.5	1	
1.4	16QAM	1	0	21.20	21.36	21.08			
1.4	16QAM	1	3	21.03	21.18	21.11			
1.4	16QAM	1	5	21.16	21.14	21.06	22.5	1	
1.4	16QAM	3	0	21.19	21.34	21.19			
1.4	16QAM	3	1	21.05	21.21	21.17			
1.4	16QAM	3	3	21.03	21.26	21.14	21.5	2	
1.4	16QAM	6	0	20.11	20.36	20.05			
1.4	16QAM	1	3	20.04	20.20	20.03			
1.4	64QAM	1	3	20.09	20.36	20.08	21.5	2	
1.4	64QAM	3	0	20.20	20.41	20.15			
1.4	64QAM	3	3	20.11	20.17	20.19			
1.4	64QAM	3	3	20.02	20.33	20.16	20.5	3	
1.4	64QAM	6	0	19.15	19.29	19.06			
1.4	64QAM	6	0	19.15	19.29	19.06			

GSM1900 Ant2 DSI1

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	28.50	1850.2	1880	1909.8	19.50
Frequency (MHz)	28.18	28.25	28.22	28.50	19.18	19.25	19.22	19.50
GSM 1 Tx slot	28.15	28.12	28.24	28.50	19.15	19.12	19.24	19.50
GPRS 1 Tx slot	27.70	27.82	27.81	28.00	21.70	21.82	21.81	22.00
GPRS 2 Tx slots	25.47	25.32	25.42	26.00	21.21	21.06	21.16	21.74
GPRS 3 Tx slots	24.30	24.35	24.26	25.00	21.30	21.35	21.26	22.00
GPRS 4 Tx slots	24.21	24.32	24.29	24.50	15.21	15.32	15.29	15.50
EDGE 1 Tx slot	23.22	23.38	23.35	23.50	17.22	17.38	17.35	17.50
EDGE 2 Tx slots	20.77	20.88	20.91	21.00	16.51	16.62	16.65	16.74
EDGE 3 Tx slots	19.79	19.69	19.97	20.00	16.79	16.69	16.97	17.00
EDGE 4 Tx slots								

WCDMA IV Ant2 DSI1

Band		WCDMA IV			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.07	23.39	23.26	24.50
3GPP Rel 99	RMC 12.2Kbps	23.16	23.50	23.42	24.50
3GPP Rel 6	HSDPA Subtest-1	22.19	22.26	22.40	23.50
3GPP Rel 6	HSDPA Subtest-2	22.16	22.26	22.42	23.50
3GPP Rel 6	HSDPA Subtest-3	21.88	21.97	21.98	23.00
3GPP Rel 6	HSDPA Subtest-4	21.83	21.94	21.90	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.02	22.09	22.25	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.95	22.03	22.14	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.70	21.71	21.80	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.67	21.71	21.79	23.00
3GPP Rel 6	HSUPA Subtest-1	22.33	22.46	22.60	23.50
3GPP Rel 6	HSUPA Subtest-2	20.31	20.44	20.55	21.50
3GPP Rel 6	HSUPA Subtest-3	21.36	21.47	21.62	22.50
3GPP Rel 6	HSUPA Subtest-4	19.87	20.00	20.12	21.50
3GPP Rel 6	HSUPA Subtest-5	22.30	22.40	22.50	23.50



Band 4 Ant2 DSH1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				1720	1732.5	1745					
20	QPSK	1	0	23.25	23.33	23.30	24.5	0			
20	QPSK	1	49	23.24	23.32	23.24					
20	QPSK	1	99	23.23	23.31	23.19					
20	QPSK	50	0	22.27	22.53	22.46					
20	QPSK	50	24	22.32	22.39	22.50	23.5	1			
20	QPSK	50	50	22.36	22.36	22.52					
20	QPSK	100	0	22.58	22.59	22.53					
20	16QAM	1	0	22.85	22.98	23.14					
20	16QAM	1	49	23.07	23.18	23.30	23.5	1			
20	16QAM	1	99	22.93	23.02	23.17					
20	16QAM	50	0	21.23	21.30	21.52					
20	16QAM	50	24	21.30	21.39	21.48					
20	16QAM	50	50	21.23	21.28	21.48	22.5	2			
20	16QAM	100	0	21.17	21.27	21.50					
20	64QAM	1	0	21.29	21.26	21.41					
20	64QAM	1	49	21.30	21.39	21.57					
20	64QAM	1	99	21.27	21.34	21.65	22.5	2			
20	64QAM	50	0	19.97	20.25	20.29					
20	64QAM	50	24	20.01	20.11	20.22					
20	64QAM	50	50	19.97	20.12	20.29					
20	64QAM	100	0	20.09	20.23	20.22	21.5	3			
Channel											
Frequency (MHz)				20325 <th>20175<th>20325<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	20175 <th>20325<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	20325 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5					
15	QPSK	1	0	23.02	23.05	23.06	24.5	0			
15	QPSK	1	37	23.10	23.26	23.04					
15	QPSK	1	74	22.92	23.05	23.10					
15	QPSK	36	0	22.08	22.09	22.30					
15	QPSK	36	20	22.06	22.14	22.35	23.5	1			
15	QPSK	36	39	22.01	22.10	22.31					
15	QPSK	75	0	22.03	22.16	22.23					
15	16QAM	1	0	21.75	22.02	22.13					
15	16QAM	1	37	21.77	22.11	22.17	23.5	1			
15	16QAM	1	74	21.72	22.03	22.16					
15	16QAM	36	0	21.08	21.11	21.23					
15	16QAM	36	20	21.07	21.14	21.26					
15	16QAM	36	39	21.00	21.12	21.27	22.5	2			
15	16QAM	75	0	21.04	21.09	21.23					
15	64QAM	1	0	20.93	20.97	21.17					
15	64QAM	1	37	20.91	21.04	21.27					
15	64QAM	1	74	20.91	21.04	21.27	22.5	2			
15	64QAM	36	0	20.02	20.17	20.26					
15	64QAM	36	20	20.04	20.24	20.32					
15	64QAM	36	39	20.07	20.18	20.29					
15	64QAM	75	0	20.02	20.10	20.26	21.5	3			
Channel											
Frequency (MHz)				1715 <th>1732.5<th>1750<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	1732.5 <th>1750<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	1750 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>			Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.77	23.01	23.01	24.5	0			
10	QPSK	1	25	22.96	23.03	23.21					
10	QPSK	1	49	22.85	22.94	23.23					
10	QPSK	25	0	21.79	21.98	22.19					
10	QPSK	25	12	21.89	21.94	22.19	23.5	1			
10	QPSK	25	25	21.84	21.96	22.19					
10	QPSK	50	0	21.87	22.05	22.27					
10	16QAM	1	0	21.85	21.97	21.99					
10	16QAM	1	25	21.93	22.06	22.16	23.5	1			
10	16QAM	1	49	21.89	21.94	22.11					
10	16QAM	25	0	20.84	20.95	21.13					
10	16QAM	25	12	20.84	20.91	21.07					
10	16QAM	25	25	20.78	20.90	21.18	22.5	2			
10	16QAM	50	0	20.84	20.97	21.14					
10	64QAM	1	0	20.87	20.98	20.81					
10	64QAM	1	25	20.97	21.07	21.20					
10	64QAM	1	49	20.87	20.98	20.92	22.5	2			
10	64QAM	25	0	19.80	19.92	20.08					
10	64QAM	25	12	19.80	19.92	20.10					
10	64QAM	25	25	19.82	19.90	20.16					
10	64QAM	50	0	19.82	19.88	20.09	21.5	3			
Channel											
Frequency (MHz)				1937.5 <th>1717.5<th>2037.5<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	1717.5 <th>2037.5<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	2037.5 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5 <th>1732.5<th>1752.5<th></th><th></th><th></th></th></th>	1732.5 <th>1752.5<th></th><th></th><th></th></th>	1752.5 <th></th> <th></th> <th></th>					
5	QPSK	1	0	22.91	23.04	23.23	24.5	0			
5	QPSK	1	12	23.04	22.98	23.22					
5	QPSK	1	24	22.92	23.03	23.14					
5	QPSK	12	0	21.67	21.85	22.04					
5	QPSK	12	7	21.70	21.78	22.02	23.5	1			
5	QPSK	12	13	21.65	21.75	21.92					
5	QPSK	25	0	21.68	21.83	22.01					
5	16QAM	1	0	21.86	21.78	21.92					
5	16QAM	1	12	21.78	21.77	22.02	23.5	1			
5	16QAM	1	24	21.75	21.75	21.94					
5	16QAM	12	0	20.69	20.83	21.01					
5	16QAM	12	7	20.68	20.74	20.99					
5	16QAM	12	13	20.63	20.75	20.96	22.5	2			
5	16QAM	25	0	20.70	20.88	21.06					
5	64QAM	1	0	20.75	20.97	21.18					
5	64QAM	1	12	20.81	20.98	21.12					
5	64QAM	1	24	20.79	20.99	21.20	22.5	2			
5	64QAM	12	0	19.75	20.02	20.18					
5	64QAM	12	7	19.85	20.03	20.16					
5	64QAM	12	13	19.70	20.04	20.13					
5	64QAM	25	0	19.75	19.99	20.17	21.5	3			
Channel											
Frequency (MHz)				19965 <th>20175<th>20385<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	20175 <th>20385<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	20385 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5 <th>1732.5<th>1753.5<th></th><th></th><th></th></th></th>	1732.5 <th>1753.5<th></th><th></th><th></th></th>	1753.5 <th></th> <th></th> <th></th>					
3	QPSK	1	0	22.81	22.90	23.14	24.5	0			
3	QPSK	1	8	22.86	22.97	23.15					
3	QPSK	1	14	22.99	22.94	23.14					
3	QPSK	8	0	21.80	21.87	22.11					
3	QPSK	8	4	21.75	21.93	22.13	23.5	1			
3	QPSK	8	7	21.77	21.85	22.07					
3	QPSK	15	0	21.64	21.84	22.07					
3	16QAM	1	0	21.71	21.90	22.06					
3	16QAM	1	8	21.77	21.81	22.04	23.5	1			
3	16QAM	1	14	21.67	21.84	22.07					
3	16QAM	8	0	20.72	20.88	20.99					
3	16QAM	8	4	20.72	20.80	20.99					
3	16QAM	8	7	20.70	20.82	21.04	22.5	2			
3	16QAM	15	0	20.60	20.77	21.01					
3	64QAM	1	0	20.65	20.84	20.95					
3	64QAM	1	8	20.58	20.77	20.99					
3	64QAM	1	14	20.63	20.80	21.01	22.5	2			
3	64QAM	8	0	19.71	19.86	20.05					
3	64QAM	8	4	19.72	19.81	20.08					
3	64QAM	8	7	19.60	19.80	20.07					
3	64QAM	15	0	19.53	19.76	19.91	21.5	3			
Channel											
Frequency (MHz)				19567 <th>20175<th>20393<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	20175 <th>20393<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	20393 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7 <th>1732.5<th>1754.3<th></th><th></th><th></th></th></th>	1732.5 <th>1754.3<th></th><th></th><th></th></th>	1754.3 <th></th> <th></th> <th></th>					
1.4	QPSK	1	0	22.92	23.08	23.15	24.5	0			
1.4	QPSK	1	3	22.97	23.16	23.29					
1.4	QPSK	1	5	22.97	23.13	23.16					
1.4	QPSK	3	0	23.00	23.09	23.29					
1.4	QPSK	3	1	22.93	23.13	23.27	23.5	1			
1.4	QPSK	3	3	22.88	23.01	23.30					
1.4	QPSK	6	0	21.84	22.03	22.21					
1.4	16QAM	1	0	21.94	22.02	22.26					
1.4	16QAM	1	3	21.90	22.07	22.28	23.5	1			
1.4	16QAM	1	5	22.03	22.12	22.27					
1.4	16QAM	3	0	21.82	21.89	22.21					
1.4	16QAM	3	1	21.86	21.97	22.21					
1.4	16QAM	3	3	21.80	21.91	22.15	22.5	2			
1.4	16QAM	6	0	20.84	21.04	21.25					
1.4	64QAM	1	0	20.86	21.04	21.20					
1.4	64QAM	1	3	20.86	20.96	21.22					
1.4	64QAM	1	5	20.86	21.06	21.22	22.5	2			
1.4	64QAM	3	0	20.88	21.06	21.24					
1.4	64QAM	3	1	20.94	21.06	21.30					
1.4	64QAM	3	3	20.83	20.98	21.20					
1.4	64QAM	6	0	19.84	20.03	20.15	21.5	3			

Band 38 Ant2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.33	24.57	24.37			
20	QPSK	1	49	24.53	24.36	24.54	25.5	0	
20	QPSK	1	99	24.30	24.34	24.29			
20	QPSK	50	0	23.48	23.49	23.46			
20	QPSK	50	24	23.39	23.47	23.47	24.5	1	
20	QPSK	50	50	23.38	23.40	23.33			
20	QPSK	100	0	23.41	23.42	23.41			
20	16QAM	1	0	23.39	23.45	23.45			
20	16QAM	1	49	23.62	23.59	23.59			
20	16QAM	1	99	23.42	23.43	23.36	24.5	1	
20	16QAM	50	0	22.52	22.56	22.59			
20	16QAM	50	24	22.53	22.53	22.55			
20	16QAM	50	50	22.59	22.59	22.54			
20	16QAM	100	0	22.54	22.51	22.53			
20	64QAM	1	0	22.56	22.59	22.51			
20	64QAM	1	49	22.63	22.61	22.54			
20	64QAM	1	99	22.44	22.44	22.41			
20	64QAM	50	0	21.52	21.53	21.49			
20	64QAM	50	24	21.51	21.51	21.45			
20	64QAM	50	50	21.40	21.42	21.41			
20	64QAM	100	0	21.49	21.46	21.43	22.5	3	
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	24.25	24.32	24.32			
15	QPSK	1	37	24.44	24.51	24.50			
15	QPSK	1	74	24.23	24.32	24.26	25.5	0	
15	QPSK	36	0	23.48	23.47	23.38			
15	QPSK	36	20	23.44	23.37	23.38			
15	QPSK	36	39	23.30	23.40	23.32	24.5	1	
15	QPSK	75	0	23.39	23.37	23.34			
15	16QAM	1	0	23.34	23.38	23.38			
15	16QAM	1	37	23.59	23.54	23.56			
15	16QAM	1	74	23.41	23.40	23.35			
15	16QAM	36	0	22.49	22.50	22.40			
15	16QAM	36	20	22.52	22.49	22.41			
15	16QAM	36	39	22.48	22.49	22.34			
15	16QAM	75	0	22.47	22.46	22.35			
15	64QAM	1	0	22.42	22.48	22.33			
15	64QAM	1	37	22.55	22.59	22.49			
15	64QAM	1	74	22.39	22.36	22.32			
15	64QAM	36	0	21.48	21.49	21.43			
15	64QAM	36	20	21.48	21.50	21.36			
15	64QAM	36	39	21.37	21.36	21.35			
15	64QAM	75	0	21.42	21.42	21.35	22.5	3	
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.26	24.26	24.33			
10	QPSK	1	25	24.49	24.51	24.44			
10	QPSK	1	49	24.20	24.27	24.23			
10	QPSK	25	0	23.42	23.39	23.37			
10	QPSK	25	12	23.39	23.41	23.42			
10	QPSK	25	25	23.32	23.32	23.29			
10	QPSK	50	0	23.38	23.32	23.37			
10	16QAM	1	0	23.32	23.34	23.36			
10	16QAM	1	25	23.53	23.48	23.56			
10	16QAM	1	49	23.34	23.38	23.27			
10	16QAM	25	0	22.48	22.47	22.46			
10	16QAM	25	12	22.49	22.46	22.42			
10	16QAM	25	25	22.41	22.38	22.37			
10	16QAM	50	0	22.47	22.42	22.32			
10	64QAM	1	0	22.43	22.39	22.32			
10	64QAM	1	25	22.54	22.58	22.51			
10	64QAM	1	49	22.41	22.38	22.35			
10	64QAM	25	0	21.42	21.45	21.39			
10	64QAM	25	12	21.46	21.46	21.36			
10	64QAM	25	25	21.35	21.34	21.35			
10	64QAM	50	0	21.44	21.39	21.33	22.5	3	
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.28	24.32	24.27			
5	QPSK	1	12	24.43	24.47	24.48			
5	QPSK	1	24	24.23	24.30	24.25			
5	QPSK	12	0	23.40	23.43	23.42			
5	QPSK	12	7	23.41	23.39	23.41			
5	QPSK	12	13	23.33	23.33	23.23			
5	QPSK	25	0	23.37	23.36	23.34			
5	16QAM	1	0	23.31	23.34	23.38			
5	16QAM	1	12	23.56	23.55	23.48			
5	16QAM	1	24	23.36	23.34	23.30			
5	16QAM	12	0	22.43	22.51	22.42			
5	16QAM	12	7	22.43	22.50	22.35			
5	16QAM	12	13	22.39	22.43	22.40			
5	16QAM	25	0	22.47	22.41	22.33			
5	64QAM	1	0	22.40	22.41	22.34			
5	64QAM	1	12	22.57	22.55	22.47			
5	64QAM	1	24	22.36	22.37	22.31			
5	64QAM	12	0	21.44	21.44	21.39			
5	64QAM	12	7	21.41	21.41	21.42			
5	64QAM	12	13	21.33	21.34	21.33			
5	64QAM	25	0	21.43	21.37	21.39	22.5	3	

Band 41 Ant2 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.52	24.62	24.68	24.53	24.54	25.5	0
20	QPSK	1	49	24.59	24.67	24.63	24.59	24.59		
20	QPSK	1	99	24.37	24.44	24.52	24.39	24.34		
20	QPSK	50	0	23.56	23.63	23.68	23.54	23.56	24.5	1
20	QPSK	50	24	23.52	23.58	23.65	23.50	23.46		
20	QPSK	50	50	23.54	23.52	23.59	23.52	23.52		
20	QPSK	100	0	23.52	23.56	23.63	23.47	23.49	23.5	2
20	16QAM	1	0	23.54	23.62	23.66	23.55	23.56		
20	16QAM	1	49	23.63	23.72	23.75	23.60	23.65		
20	16QAM	1	99	23.54	23.56	23.60	23.51	23.48	23.5	1
20	16QAM	50	0	22.64	22.70	22.76	22.64	22.62		
20	16QAM	50	24	22.58	22.63	22.71	22.58	22.59		
20	16QAM	50	50	22.54	22.59	22.68	22.57	22.59	23.5	2
20	16QAM	100	0	22.64	22.67	22.74	22.56	22.56		
20	64QAM	1	0	22.59	22.65	22.69	22.56	22.58		
20	64QAM	1	49	22.69	22.73	22.79	22.61	22.68	23.5	2
20	64QAM	1	99	22.52	22.59	22.65	22.55	22.52		
20	64QAM	50	0	21.62	21.71	21.78	21.62	21.65		
20	64QAM	50	24	21.62	21.66	21.75	21.61	21.60	22.5	3
20	64QAM	50	50	21.53	21.62	21.69	21.57	21.55		
20	64QAM	100	0	21.59	21.65	21.73	21.61	21.56		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.5	2593	2637.8	2682.5		
15	QPSK	1	0	24.40	24.49	24.60	24.44	24.44	25.50	0
15	QPSK	1	37	24.50	24.59	24.60	24.52	24.46		
15	QPSK	1	74	24.31	24.34	24.43	24.29	24.28		
15	QPSK	36	0	23.48	23.55	23.59	23.41	23.49	24.5	1
15	QPSK	36	20	23.45	23.49	23.53	23.39	23.38		
15	QPSK	36	39	23.31	23.45	23.47	23.31	23.28		
15	QPSK	75	0	23.40	23.46	23.51	23.36	23.41	24.5	1
15	16QAM	1	0	23.41	23.53	23.55	23.46	23.50		
15	16QAM	1	37	23.51	23.58	23.69	23.48	23.53		
15	16QAM	1	74	23.44	23.47	23.47	23.41	23.37	23.5	2
15	16QAM	36	0	22.56	22.59	22.63	22.52	22.56		
15	16QAM	36	20	22.45	22.53	22.59	22.50	22.46		
15	16QAM	36	39	22.45	22.47	22.61	22.35	22.35	23.5	2
15	16QAM	75	0	22.55	22.56	22.67	22.49	22.47		
15	16QAM	1	37	22.49	22.53	22.58	22.44	22.47		
15	64QAM	1	37	22.60	22.60	22.73	22.51	22.57	23.5	2
15	64QAM	1	74	22.40	22.49	22.54	22.42	22.41		
15	64QAM	36	0	21.50	21.64	21.71	21.53	21.52		
15	64QAM	36	20	21.54	21.54	21.63	21.48	21.48	22.5	3
15	64QAM	36	39	21.41	21.50	21.55	21.46	21.45		
15	64QAM	75	0	21.45	21.52	21.66	21.54	21.43		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.44	24.51	24.61	24.39	24.46	25.50	0
10	QPSK	1	25	24.45	24.52	24.60	24.48	24.44		
10	QPSK	1	49	24.26	24.28	24.46	24.30	24.24		
10	QPSK	25	0	23.45	23.48	23.61	23.42	23.40	24.5	1
10	QPSK	25	12	23.37	23.50	23.57	23.38	23.34		
10	QPSK	25	25	23.38	23.45	23.44	23.31	23.36		
10	QPSK	50	0	23.46	23.41	23.56	23.40	23.39	24.5	1
10	16QAM	1	0	23.45	23.49	23.57	23.42	23.41		
10	16QAM	1	25	23.49	23.59	23.68	23.47	23.58		
10	16QAM	1	49	23.40	23.47	23.50	23.41	23.35	23.5	2
10	16QAM	25	0	22.56	22.63	22.65	22.53	22.47		
10	16QAM	25	12	22.48	22.52	22.64	22.51	22.47		
10	16QAM	25	25	22.46	22.50	22.60	22.38	22.36	23.5	2
10	16QAM	50	0	22.54	22.60	22.60	22.46	22.44		
10	64QAM	1	0	22.52	22.52	22.61	22.46	22.41		
10	64QAM	1	25	22.53	22.63	22.67	22.50	22.52	23.5	2
10	64QAM	1	49	22.39	22.47	22.56	22.47	22.36		
10	64QAM	25	0	21.50	21.63	21.70	21.47	21.59		
10	64QAM	25	12	21.53	21.54	21.65	21.48	21.44	22.5	3
10	64QAM	25	25	21.45	21.47	21.58	21.48	21.45		
10	64QAM	50	0	21.49	21.52	21.58	21.45	21.46		
Channel				39675	40148	40603	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.43	24.50	24.57	24.45	24.43	25.50	0
5	QPSK	1	12	24.49	24.57	24.62	24.47	24.48		
5	QPSK	1	24	24.30	24.37	24.43	24.29	24.27		
5	QPSK	12	0	23.46	23.51	23.58	23.43	23.50	24.5	1
5	QPSK	12	7	23.42	23.51	23.58	23.42	23.36		
5	QPSK	12	13	23.33	23.42	23.52	23.36	23.34		
5	QPSK	25	0	23.45	23.44	23.54	23.37	23.40	24.5	1
5	16QAM	1	0	23.44	23.53	23.57	23.44	23.48		
5	16QAM	1	12	23.54	23.64	23.64	23.49	23.58		
5	16QAM	1	24	23.47	23.50	23.52	23.42	23.37	23.5	2
5	16QAM	12	0	22.53	22.59	22.69	22.54	22.52		
5	16QAM	12	7	22.47	22.55	22.65	22.47	22.51		
5	16QAM	12	13	22.48	22.47	22.61	22.40	22.41	23.5	2
5	16QAM	25	0	22.57	22.60	22.65	22.46	22.48		
5	64QAM	1	0	22.47	22.55	22.58	22.47	22.46		
5	64QAM	1	12	22.63	22.65	22.72	22.53	22.59	23.5	2
5	64QAM	1	24	22.43	22.50	22.56	22.44	22.41		
5	64QAM	12	0	21.51	21.62	21.71	21.52	21.53		
5	64QAM	12	7	21.53	21.56	21.65	21.52	21.54	22.5	3
5	64QAM	12	13	21.46	21.51	21.61	21.48	21.45		
5	64QAM	25	0	21.50	21.58	21.63	21.49	21.47		

		GSM850 Ant4 DS11						
GSM850	Burst Average Power (dBm)			Tuneup Limit (dBm)	Frame-Average Power (dBm)			Tuneup Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8		
Frequency (MHz)	31.80	31.86	31.83	32.50	22.80	22.86	22.83	
GSM 1 Tx slot	31.84	31.85	31.83	32.50	22.84	22.85	22.83	
GPRS 1 Tx slot	31.54	31.56	31.53	32.50	25.54	25.56	25.53	
GPRS 2 Tx slots	29.52	29.55	29.52	30.50	25.26	25.29	25.26	
GPRS 3 Tx slots	28.43	28.44	28.42	29.50	25.43	25.44	25.42	
GPRS 4 Tx slots	26.44	26.66	26.64	27.50	17.44	17.66	17.64	
EDGE 1 Tx slot	25.46	25.47	25.43	25.50	19.46	19.47	19.43	
EDGE 2 Tx slots	23.43	23.67	23.55	24.00	19.17	19.41	19.29	
EDGE 3 Tx slots	22.27	22.50	22.30	23.50	19.27	19.50	19.30	
EDGE 4 Tx slots								

		GSM1900 Ant4 DS11						
GSM1900	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
TX Channel	512	661	810	1850.2	512	661	810	1850.2
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1850.2	1880	1909.8	1850.2
GSM 1 Tx slot	28.04	28.09	28.03	29.00	19.04	19.09	19.03	20.00
GPRS 1 Tx slot	28.02	28.06	28.01	29.00	19.02	19.06	19.01	20.00
GPRS 2 Tx slots	27.75	27.88	27.83	28.50	21.75	21.88	21.83	22.50
GPRS 3 Tx slots	25.19	25.16	25.39	25.50	20.93	20.90	21.13	21.24
GPRS 4 Tx slots	24.01	24.01	24.28	24.50	20.99	21.01	21.28	21.50
EDGE 1 Tx slot	24.08	24.19	24.36	24.50	15.08	15.19	15.36	15.50
EDGE 2 Tx slots	22.98	23.22	23.32	23.50	16.98	17.22	17.32	17.50
EDGE 3 Tx slots	20.99	21.06	21.27	21.50	16.73	16.80	17.01	17.24
EDGE 4 Tx slots	19.76	19.95	20.03	20.50	16.76	16.95	17.03	17.50

WCDMA II Ant4 DS11							WCDMA IV Ant4 DS11							WCDMA V Ant4 DS11						
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)		WCDMA V			Tune-up Limit (dBm)			
	9262	9400	9538		1312	1413	1513		4132	4182	4233			4357	4407	4458				
Rx Channel	9662	9800	9938	9662	1637	1638	1738	1637	4357	4407	4458	4357	4407	4357	4407	4458	4357	4407	4458	4357
Frequency (MHz)	1852.4	1880	1907.6	1852.4	1712.4	1732.6	1752.6	1712.4	1732.6	1752.6	1712.4	1732.6	1752.6	1712.4	1732.6	1752.6	1712.4	1732.6	1752.6	1712.4
3GPP Rel 99	AMR 12.2kbps	20.39	20.41	20.33	21.50	19.82	19.99	19.89	21.00	22.50	22.63	22.59	23.50	21.00	22.50	22.63	22.59	23.50	21.00	22.50
3GPP Rel 99	RMC 12.2kbps	20.47	20.67	20.47	21.50	19.78	20.02	19.84	21.00	22.52	22.68	22.61	23.50	21.00	22.52	22.68	22.61	23.50	21.00	22.52
3GPP Rel 6	HSDPA Subtest-1	19.44	19.65	19.52	20.50	18.89	18.91	18.92	20.00	22.35	22.16	22.16	22.50	20.00	22.35	22.16	22.16	22.50	20.00	22.35
3GPP Rel 6	HSDPA Subtest-2	19.59	19.72	19.49	20.50	18.91	18.93	18.99	20.00	21.61	21.63	21.74	22.50	20.00	21.61	21.63	21.74	22.50	20.00	21.61
3GPP Rel 6	HSDPA Subtest-3	19.07	19.10	19.11	20.00	18.52	18.58	18.45	19.50	21.53	21.62	21.68	22.00	19.50	21.53	21.62	21.68	22.00	19.50	21.53
3GPP Rel 6	HSDPA Subtest-4	18.94	19.03	18.92	20.00	18.59	18.57	18.45	19.50	21.08	21.16	21.17	22.00	19.50	21.08	21.16	21.17	22.00	19.50	21.08
3GPP Rel 8	DC-HSDPA Subtest-1	19.64	19.77	19.52	20.50	18.78	18.72	18.90	20.00	22.38	22.48	22.49	22.50	20.00	22.38	22.48	22.49	22.50	20.00	22.38
3GPP Rel 8	DC-HSDPA Subtest-2	19.55	19.56	19.54	20.50	18.83	18.83	18.74	20.00	21.36	21.51	21.48	22.50	20.00	21.36	21.51	21.48	22.50	20.00	21.36
3GPP Rel 8	DC-HSDPA Subtest-3	19.00	19.00	19.12	20.00	18.56	18.40	18.26	19.50	21.34	21.37	21.65	22.00	19.50	21.34	21.37	21.65	22.00	19.50	21.34
3GPP Rel 8	DC-HSDPA Subtest-4	19.00	19.14	19.08	20.00	18.32	18.41	18.40	19.50	21.03	21.07	21.12	22.00	19.50	21.03	21.07	21.12	22.00	19.50	21.03
3GPP Rel 6	HSUPA Subtest-1	19.49	19.62	19.45	20.50	19.02	19.03	19.14	20.00	19.46	19.64	19.64	22.50	20.00	19.46	19.64	19.64	22.50	20.00	19.46
3GPP Rel 6	HSUPA Subtest-2	17.63	17.57	17.64	18.50	17.04	17.08	17.11	18.00	19.55	19.62	19.62	20.50	18.00	19.55	19.62	19.62	20.50	18.00	19.55
3GPP Rel 6	HSUPA Subtest-3	18.63	18.74	18.42	19.50	18.10	18.12	18.24	19.00	20.52	20.66	20.61	21.50	19.00	20.52	20.66	20.61	21.50	19.00	20.52
3GPP Rel 6	HSUPA Subtest-4	17.64	17.55	17.61	18.50	16.58	16.59	16.69	18.00		19.24	19.21	20.50	18.00		19.24	19.21	20.50	18.00	
3GPP Rel 6	HSUPA Subtest-5	19.70	19.75	19.65	20.50	19.02	19.03	19.14	20.00	20.45	20.55	20.64	22.50	20.00	20.45	20.55	20.64	22.50	20.00	20.45



Band 2 Ant4 DS11												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	19.99	20.21	19.90			21.5	0		
20	QPSK	1	49	20.16	19.95	19.97						
20	QPSK	1	99	20.13	19.94	19.95						
20	QPSK	50	0	20.05	20.17	19.98			21.5	0		
20	QPSK	50	24	20.10	19.97	19.98						
20	QPSK	50	50	20.07	19.92	19.92						
20	QPSK	100	0	20.03	20.14	19.89			21.5	0		
20	16QAM	1	0	20.12	19.94	19.87						
20	16QAM	1	49	20.05	19.94	19.96						
20	16QAM	1	99	20.06	19.98	19.98			21.5	0		
20	16QAM	50	0	20.07	19.94	19.97						
20	16QAM	50	24	20.12	19.95	19.96						
20	16QAM	50	50	19.99	20.03	19.91			21.5	0		
20	16QAM	100	0	20.11	20.01	19.96						
20	64QAM	1	0	20.09	19.93	19.87						
20	64QAM	1	49	20.03	20.02	19.98			21.5	0		
20	64QAM	1	99	20.11	19.95	19.96						
20	64QAM	50	0	20.11	20.09	19.95						
20	64QAM	50	24	20.05	20.03	19.97			21.5	0		
20	64QAM	50	50	20.11	19.98	19.91						
20	64QAM	100	0	20.04	19.97	19.90						
Channel												
Frequency (MHz)												
				18675	18900	19000			MPR			
				18775	18800	19025			(dB)			
15	QPSK	1	0	19.88	20.17	19.73			21.5	0		
15	QPSK	1	37	20.05	19.80	19.79						
15	QPSK	1	74	19.96	19.90	19.94						
15	QPSK	36	0	19.92	20.08	19.96			21.5	0		
15	QPSK	36	20	20.09	19.97	19.82						
15	QPSK	36	39	19.96	19.77	19.91						
15	QPSK	75	0	19.95	20.02	19.81			21.5	0		
15	16QAM	1	0	20.10	19.78	19.75						
15	16QAM	1	37	20.01	19.92	19.90						
15	16QAM	1	74	19.92	19.97	19.88			21.5	0		
15	16QAM	36	0	19.92	19.77	19.85						
15	16QAM	36	20	20.08	19.87	19.95						
15	16QAM	36	39	19.81	19.96	19.75			21.5	0		
15	16QAM	75	0	19.91	19.91	19.86						
15	64QAM	1	0	20.07	19.91	19.86						
15	64QAM	1	37	19.99	19.97	19.96			21.5	0		
15	64QAM	1	74	19.98	19.84	19.80						
15	64QAM	36	0	20.04	19.96	19.78						
15	64QAM	36	20	19.96	19.89	19.84			21.5	0		
15	64QAM	36	39	19.94	19.81	19.84						
15	64QAM	75	0	19.94	19.90	19.75						
Channel												
Frequency (MHz)												
				18650	18900	19150			MPR			
				1855	1880	1905			(dB)			
10	QPSK	1	0	19.83	20.10	19.82			21.5	0		
10	QPSK	1	25	19.99	19.92	19.87						
10	QPSK	1	49	19.94	19.78	19.88						
10	QPSK	25	0	20.02	20.16	19.92			21.5	0		
10	QPSK	25	12	20.04	19.77	19.81						
10	QPSK	25	25	20.01	19.85	19.75						
10	QPSK	50	0	19.95	20.13	19.77			21.5	0		
10	16QAM	1	0	20.07	19.87	19.84						
10	16QAM	1	25	19.97	19.85	19.84						
10	16QAM	1	49	20.00	19.80	19.88			21.5	0		
10	16QAM	25	0	19.91	19.82	19.93						
10	16QAM	25	12	19.98	19.78	19.81						
10	16QAM	25	25	19.88	19.92	19.91			21.5	0		
10	16QAM	50	0	19.96	19.91	19.87						
10	64QAM	1	0	19.89	19.88	19.97						
10	64QAM	1	25	19.93	19.91	19.91			21.5	0		
10	64QAM	1	49	19.94	19.84	19.80						
10	64QAM	25	0	20.05	19.99	19.76						
10	64QAM	25	12	20.00	19.94	19.83			21.5	0		
10	64QAM	25	25	19.96	19.85	19.73						
10	64QAM	50	0	19.88	19.93	19.80						
Channel												
Frequency (MHz)												
				18625	18900	19175			MPR			
				18525	1880	19075			(dB)			
5	QPSK	1	0	19.85	20.13	19.74			21.5	0		
5	QPSK	1	12	20.13	19.91	19.81						
5	QPSK	1	24	20.01	19.76	19.91						
5	QPSK	12	0	19.94	20.01	19.79			21.5	0		
5	QPSK	12	7	19.92	19.90	19.81						
5	QPSK	12	13	19.97	19.74	19.81						
5	QPSK	25	0	19.96	19.99	19.76			21.5	0		
5	16QAM	1	0	20.10	19.78	19.81						
5	16QAM	1	12	19.92	19.91	19.76						
5	16QAM	1	24	20.04	19.89	19.86			21.5	0		
5	16QAM	12	0	20.02	19.85	19.97						
5	16QAM	12	7	20.06	19.95	19.78						
5	16QAM	12	13	19.90	19.95	19.86			21.5	0		
5	16QAM	25	0	19.97	19.89	19.89						
5	64QAM	1	0	19.90	19.84	19.79						
5	64QAM	1	12	19.95	19.98	19.95			21.5	0		
5	64QAM	1	24	20.07	19.89	19.80						
5	64QAM	12	0	20.09	19.93	19.77						
5	64QAM	12	7	20.01	19.92	19.88			21.5	0		
5	64QAM	12	13	19.97	19.94	19.77						
5	64QAM	25	0	19.97	19.97	19.74						
Channel												
Frequency (MHz)												
				18515	18800	19055			MPR			
				18515	18800	19055			(dB)			
3	QPSK	1	0	19.83	20.06	19.86			21.5	0		
3	QPSK	1	8	19.99	19.86	19.92						
3	QPSK	1	14	19.99	19.91	19.82						
3	QPSK	8	0	19.96	20.03	19.84			21.5	0		
3	QPSK	8	4	19.93	19.83	19.80						
3	QPSK	8	7	20.05	19.81	19.81						
3	QPSK	15	0	19.85	20.02	19.75			21.5	0		
3	16QAM	1	0	20.10	19.77	19.73						
3	16QAM	1	8	20.01	19.84	19.82						
3	16QAM	1	14	20.00	19.92	19.92			21.5	0		
3	16QAM	8	0	19.94	19.86	19.80						
3	16QAM	8	4	20.03	19.85	19.86						
3	16QAM	8	7	19.98	19.95	19.85			21.5	0		
3	16QAM	15	0	20.08	19.96	19.77						
3	64QAM	1	0	20.06	19.73	19.81						
3	64QAM	1	8	19.84	19.91	19.91			21.5	0		
3	64QAM	1	14	19.95	19.95	19.79						
3	64QAM	8	0	19.96	20.08	19.77						
3	64QAM	8	4	20.01	19.98	19.84			21.5	0		
3	64QAM	8	7	19.91	19.79	19.74						
3	64QAM	15	0	19.89	19.86	19.83						
Channel												
Frequency (MHz)												
				18607	18900	19193			MPR			
				18607	18900	19193			(dB)			
1.4	QPSK	1	0	19.85	20.11	19.72			21.5	0		
1.4	QPSK	1	3	20.09	19.78	19.75						
1.4	QPSK	1	5	20.13	19.78	19.79						
1.4	QPSK	3	0	19.93	20.16	19.80			21.5	0		
1.4	QPSK	3	1	20.01	19.87	19.80						
1.4	QPSK	3	3	20.03	19.88	19.76						
1.4	QPSK	6	0	19.91	20.04	19.72			21.5	0		
1.4	16QAM	1	0	20.11	19.85	19.70						
1.4	16QAM	1	3	20.05	19.86	19.95						
1.4	16QAM	1	5	19.87	19.79	19.80			21.5	0		
1.4	16QAM	3	0	20.02	19.79	19.96						
1.4	16QAM	3	1	20.09	19.81	19.88						
1.4	16QAM	3	3	19.93	19.93	19.77			21.5	0		
1.4	16QAM	6	0	20.01	19.92	19.82						
1.4	64QAM	1	0	20.03	19.92	19.84						
1.4	QPSK	1	3	19.84	19.83	19.86			21.5	0		
1.4	QPSK	1	5	20.04	19.91	19.80						
1.4	QPSK	3	0	20.05	20.01	19.80						
1.4	QPSK	3	1	20.05	19.88	19.85			21.5	0		
1.4	QPSK	3	3	20.09	19.89	19.90						
1.4	QPSK	6	0	19.88	19.85	19.88						



Band 7 Ant4 DS11											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20650	21100	21350					
Frequency (MHz)				2505	2535	2560					
20	QPSK	1	0	15.76	16.03	15.94	17.5	0			
20	QPSK	1	49	15.91	16.02	15.90					
20	QPSK	1	99	15.77	15.75	15.96					
20	QPSK	50	0	15.77	16.02	16.01	17.5	0			
20	QPSK	50	24	15.97	15.99	15.97					
20	QPSK	50	50	15.73	15.82	15.93					
20	QPSK	100	0	15.81	15.98	15.95	17.5	0			
20	16QAM	1	0	15.84	15.83	15.91					
20	16QAM	1	49	15.73	15.79	15.90					
20	16QAM	1	99	15.78	15.85	15.82	17.5	0			
20	16QAM	50	0	15.89	15.88	15.89					
20	16QAM	50	24	15.70	15.75	15.95					
20	16QAM	50	50	15.81	15.89	15.79	17.5	0			
20	16QAM	100	0	15.86	15.93	15.95					
20	64QAM	1	0	15.71	15.73	15.92					
20	64QAM	1	49	15.80	15.90	15.85	17.5	0			
20	64QAM	1	99	15.93	15.93	15.92					
20	64QAM	50	0	15.73	15.77	15.80					
20	64QAM	50	24	15.81	15.93	15.90	17.5	0			
20	64QAM	50	50	15.86	15.97	15.95					
20	64QAM	100	0	15.77	15.81	15.94					
Channel				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	15.63	15.93	15.90	17.5	0			
15	QPSK	1	37	15.86	15.82	15.71					
15	QPSK	1	74	15.66	15.99	15.79					
15	QPSK	36	0	15.72	15.85	15.88	17.5	0			
15	QPSK	36	20	15.85	15.86	15.93					
15	QPSK	36	39	15.62	15.66	15.84					
15	QPSK	75	0	15.64	15.88	15.86	17.5	0			
15	16QAM	1	0	15.75	15.94	15.71					
15	16QAM	1	37	15.61	15.79	15.75					
15	16QAM	1	74	15.77	15.82	15.72					
15	16QAM	36	0	15.79	15.84	15.76	17.5	0			
15	16QAM	36	20	15.65	15.71	15.89					
15	16QAM	36	39	15.65	15.70	15.66					
15	16QAM	75	0	15.63	15.71	15.81					
15	64QAM	1	0	15.63	15.71	15.81	17.5	0			
15	64QAM	1	37	15.73	15.78	15.73					
15	64QAM	1	74	15.78	15.89	15.86					
15	64QAM	36	0	15.72	15.64	15.68					
15	64QAM	36	20	15.77	15.76	15.71	17.5	0			
15	64QAM	36	39	15.85	15.94	15.89					
15	64QAM	75	0	15.61	15.70	15.85					
Channel				20900	21100	21400			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	15.62	15.87	15.76	17.5	0			
10	QPSK	1	25	15.87	15.92	15.85					
10	QPSK	1	49	15.73	15.61	15.91					
10	QPSK	25	0	15.73	15.96	15.94	17.5	0			
10	QPSK	25	12	15.71	15.86	15.87					
10	QPSK	25	25	15.58	15.76	15.85					
10	QPSK	50	0	15.61	15.94	15.87	17.5	0			
10	16QAM	1	0	15.69	15.79	15.80					
10	16QAM	1	25	15.73	15.63	15.74					
10	16QAM	1	49	15.71	15.63	15.75					
10	16QAM	25	0	15.77	15.87	15.84	17.5	0			
10	16QAM	25	12	15.62	15.70	15.86					
10	16QAM	25	25	15.68	15.81	15.76					
10	16QAM	50	0	15.80	15.77	15.85					
10	64QAM	1	0	15.65	15.67	15.74	17.5	0			
10	64QAM	1	25	15.71	15.74	15.66					
10	64QAM	1	49	15.74	15.80	15.75					
10	64QAM	25	0	15.63	15.70	15.79					
10	64QAM	25	12	15.68	15.76	15.77	17.5	0			
10	64QAM	25	25	15.68	15.90	15.79					
10	64QAM	50	0	15.72	15.69	15.84					
Channel				20775	21100	21425			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	15.58	15.84	15.93	17.5	0			
5	QPSK	1	12	15.73	16.00	15.71					
5	QPSK	1	24	15.76	15.62	15.86					
5	QPSK	12	0	15.75	15.83	15.87	17.5	0			
5	QPSK	12	7	15.73	15.83	15.81					
5	QPSK	12	13	15.54	15.79	15.86					
5	QPSK	25	0	15.67	15.82	15.89	17.5	0			
5	16QAM	1	0	15.72	15.93	15.86					
5	16QAM	1	12	15.68	15.75	15.84					
5	16QAM	1	24	15.61	15.92	15.67					
5	16QAM	12	0	15.71	15.86	15.84	17.5	0			
5	16QAM	12	7	15.61	15.76	15.76					
5	16QAM	12	13	15.63	15.83	15.74					
5	16QAM	25	0	15.82	15.74	15.86					
5	64QAM	1	0	15.56	15.66	15.90	17.5	0			
5	64QAM	1	12	15.65	15.83	15.71					
5	64QAM	1	24	15.87	15.77	15.85					
5	64QAM	12	0	15.60	15.71	15.66					
5	64QAM	12	7	15.70	15.85	15.87	17.5	0			
5	64QAM	12	13	15.81	15.81	15.85					
5	64QAM	25	0	15.75	15.75	15.90					

Band 12 Ant4 DS11											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				23060	23095	23130					
Frequency (MHz)				707.5	707.5	711.5					
10	QPSK	1	0	24.26	24.34	24.22			25.5	0	
10	QPSK	1	25	24.12	24.26	24.13					
10	QPSK	1	49	24.16	24.20	24.10					
10	QPSK	25	0	23.19	23.28	23.07			24.5	1	
10	QPSK	25	12	23.06	23.20	23.02					
10	QPSK	25	25	23.10	23.15	22.98					
10	QPSK	50	0	23.17	23.22	23.01			24.5	1	
10	16QAM	1	0	23.31	23.35	23.23					
10	16QAM	1	25	23.13	23.27	23.17					
10	16QAM	1	49	23.15	23.20	23.07			23.5	2	
10	16QAM	25	0	22.17	22.29	22.09					
10	16QAM	25	12	22.09	22.21	22.05					
10	16QAM	25	25	22.08	22.17	21.95			23.5	2	
10	16QAM	50	0	22.19	22.27	22.05					
10	64QAM	1	0	22.30	22.38	22.26					
10	64QAM	1	25	22.15	22.23	22.21			23.5	2	
10	64QAM	1	49	22.12	22.24	22.10					
10	64QAM	25	0	21.19	21.24	21.11					
10	64QAM	25	12	21.11	21.19	21.00			22.5	3	
10	64QAM	25	25	21.07	21.17	20.97					
10	64QAM	50	0	21.22	21.26	21.08					
Channel				23035	23095	23155					
Frequency (MHz)				707.5	707.5	713.5					
5	QPSK	1	0	24.16	24.28	24.15			25.5	0	
5	QPSK	1	12	24.00	24.14	24.03					
5	QPSK	1	24	24.04	24.14	23.97					
5	QPSK	12	0	23.06	23.16	23.00			24.5	1	
5	QPSK	12	7	23.00	23.16	22.93					
5	QPSK	12	13	22.97	23.06	22.86					
5	QPSK	25	0	23.07	23.17	22.94			24.5	1	
5	16QAM	1	0	23.22	23.29	23.10					
5	16QAM	1	12	23.06	23.17	23.02					
5	16QAM	1	24	23.04	23.10	22.95			23.5	2	
5	16QAM	12	0	22.07	22.18	21.99					
5	16QAM	12	7	21.99	22.10	21.97					
5	16QAM	12	13	22.03	22.10	21.81			22.5	3	
5	16QAM	25	0	22.12	22.22	22.00					
5	16QAM	25	0	22.22	22.27	22.00					
5	64QAM	1	12	22.09	22.14	22.12			23.5	2	
5	64QAM	1	24	21.98	22.17	22.02					
5	64QAM	12	0	21.06	21.18	21.00					
5	64QAM	12	7	21.01	21.12	20.88			22.5	3	
5	64QAM	12	13	20.94	21.03	20.81					
5	64QAM	25	0	21.09	21.14	20.99					
Channel				23025	23095	23165					
Frequency (MHz)				700.5	707.5	714.5					
3	QPSK	1	0	24.16	24.26	24.15			25.5	0	
3	QPSK	1	8	24.01	24.15	24.00					
3	QPSK	1	14	24.07	24.12	24.03					
3	QPSK	8	0	23.07	23.13	23.02			24.5	1	
3	QPSK	8	4	22.95	23.10	22.88					
3	QPSK	8	7	23.02	23.07	22.87					
3	QPSK	15	0	23.08	23.08	22.88			24.5	1	
3	16QAM	1	0	23.20	23.24	23.12					
3	16QAM	1	8	23.00	23.22	23.07					
3	16QAM	1	14	23.05	23.15	23.01			23.5	2	
3	16QAM	8	0	22.08	22.26	21.95					
3	16QAM	8	4	22.00	22.13	21.96					
3	16QAM	8	7	22.00	22.05	21.86			23.5	2	
3	16QAM	15	0	22.06	22.18	21.93					
3	64QAM	1	0	22.17	22.30	22.20					
3	64QAM	1	8	22.05	22.22	22.08			23.5	2	
3	64QAM	1	14	22.05	22.10	22.00					
3	64QAM	1	14	22.05	22.10	22.00					
3	64QAM	8	0	21.09	21.09	21.04			22.5	3	
3	64QAM	8	4	21.00	21.10	20.91					
3	64QAM	8	7	20.94	21.07	20.90					
3	64QAM	15	0	21.12	21.14	20.98					
Channel				23015	23095	23175					
Frequency (MHz)				692.7	707.5	715.3					
1.4	QPSK	1	0	24.17	24.22	24.15			25.5	0	
1.4	QPSK	1	3	24.00	24.20	24.06					
1.4	QPSK	1	5	24.01	24.11	24.01					
1.4	QPSK	3	0	24.07	24.15	23.92			24.5	1	
1.4	QPSK	3	1	23.97	24.13	23.93					
1.4	QPSK	3	3	24.04	24.07	23.98					
1.4	QPSK	6	0	21.10	23.11	22.81			24.5	1	
1.4	16QAM	1	0	23.25	23.25	23.09					
1.4	16QAM	1	3	22.99	23.19	23.09					
1.4	16QAM	1	5	23.03	23.08	22.93			23.5	2	
1.4	16QAM	3	0	23.05	23.20	22.99					
1.4	16QAM	3	1	23.01	23.21	22.91					
1.4	16QAM	3	3	22.94	23.12	22.90			23.5	2	
1.4	16QAM	6	0	22.06	22.15	21.95					
1.4	64QAM	1	0	22.17	22.33	22.12					
1.4	64QAM	1	3	22.05	22.17	22.08			23.5	2	
1.4	64QAM	1	5	22.03	22.13	22.04					
1.4	64QAM	3	0	22.09	22.17	21.98					
1.4	64QAM	3	1	22.00	22.09	21.84			22.5	3	
1.4	64QAM	3	3	21.97	22.07	21.85					
1.4	64QAM	6	0	21.14	21.12	20.98					

Band 17 Ant4 DS1i										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				23780	23790	23800				
Frequency (MHz)				706	710	711				
10	QPSK	1	0	24.25	24.30	24.26	25.5	0		
10	QPSK	1	25	24.15	24.17	24.21				
10	QPSK	1	49	24.13	24.20	24.18				
10	QPSK	25	0	23.14	23.16	23.10				
10	QPSK	25	12	23.06	23.08	23.05	24.5	1		
10	QPSK	25	25	23.01	23.11	22.97				
10	QPSK	50	0	23.06	23.09	23.05				
10	16QAM	1	0	23.24	23.33	23.28				
10	16QAM	1	25	23.15	23.12	23.24	24.5	1		
10	16QAM	1	49	23.09	23.23	23.23				
10	16QAM	25	0	22.10	22.14	22.10				
10	16QAM	25	12	22.08	22.10	22.01				
10	16QAM	25	25	22.05	22.08	21.98	23.5	2		
10	16QAM	50	0	22.10	22.06	22.00				
10	64QAM	1	0	22.23	22.31	22.31				
10	64QAM	1	25	22.15	22.12	22.22				
10	64QAM	1	49	22.09	22.26	22.16	23.5	2		
10	64QAM	25	0	21.15	21.13	21.11				
10	64QAM	25	12	21.08	21.14	21.05				
10	64QAM	25	25	21.08	21.11	21.03				
10	64QAM	50	0	21.15	21.06	21.04	22.5	3		
Channel				23785	23790	23825				
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	24.23	24.28	24.21	25.5	0		
5	QPSK	1	12	24.19	24.17	24.16				
5	QPSK	1	24	24.09	24.19	24.15				
5	QPSK	12	0	23.12	23.19	23.08				
5	QPSK	12	7	23.10	23.10	23.03	24.5	1		
5	QPSK	12	13	23.06	23.15	22.93				
5	QPSK	25	0	23.08	23.05	23.06				
5	16QAM	1	0	23.26	23.36	23.33				
5	16QAM	1	12	23.19	23.08	23.23	24.5	1		
5	16QAM	1	24	23.07	23.20	23.29				
5	16QAM	12	0	22.06	22.13	22.08				
5	16QAM	12	7	22.13	22.13	21.98				
5	16QAM	12	13	22.10	22.09	21.96	23.5	2		
5	16QAM	25	0	22.14	22.03	21.96				
5	64QAM	1	0	22.21	22.27	22.31				
5	64QAM	1	12	22.12	22.11	22.23				
5	64QAM	1	24	22.05	22.31	22.24	23.5	2		
5	64QAM	12	0	21.14	21.10	21.15				
5	64QAM	12	7	21.07	21.17	21.01				
5	64QAM	12	13	21.11	21.09	20.89				
5	64QAM	25	0	21.11	21.11	21.05	22.5	3		

Band 26 Ant4 DS1i										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				26765	26865	26965				
Frequency (MHz)				811.5	831.5	841.5				
15	QPSK	1	0	23.21	23.25	23.23	24.5	0		
15	QPSK	1	37	23.10	23.20	23.09				
15	QPSK	1	74	23.12	23.17	23.11				
15	QPSK	36	0	22.22	22.26	22.23				
15	QPSK	36	20	22.11	22.15	22.10	23.5	1		
15	QPSK	36	39	22.10	22.19	22.06				
15	QPSK	75	0	22.27	22.31	22.19				
15	16QAM	1	0	22.20	22.25	22.26				
15	16QAM	1	37	22.11	22.25	22.12	23.5	1		
15	16QAM	1	74	22.09	22.12	22.09				
15	16QAM	36	0	21.25	21.29	21.22				
15	16QAM	36	20	21.13	21.18	21.13				
15	16QAM	36	39	21.05	21.15	21.09	22.5	2		
15	16QAM	75	0	21.32	21.29	21.18				
15	64QAM	1	0	21.23	21.24	21.26				
15	64QAM	1	37	21.06	21.21	21.09				
15	64QAM	1	74	21.05	21.08	21.10	22.5	2		
15	64QAM	36	0	20.25	20.31	20.22				
15	64QAM	36	20	20.12	20.17	20.10				
15	64QAM	36	39	20.09	20.10	20.12				
15	64QAM	75	0	20.31	20.25	20.18	21.5	3		
Channel				26740	26865	26990				
Frequency (MHz)				819	831.5	844	Tune-up limit (dbm)	MPR (db)		
10	QPSK	1	0	23.13	23.18	23.15	24.5	0		
10	QPSK	1	25	23.00	23.11	22.95				
10	QPSK	1	49	23.06	23.05	23.01				
10	QPSK	25	0	22.15	22.14	22.09				
10	QPSK	25	12	21.97	22.06	21.98	23.5	1		
10	QPSK	25	25	21.99	22.11	21.98				
10	QPSK	50	0	22.19	22.23	22.06				
10	16QAM	1	0	22.10	22.16	22.17				
10	16QAM	1	25	21.99	22.16	22.00	23.5	1		
10	16QAM	1	49	22.03	22.04	21.95				
10	16QAM	25	0	21.11	21.19	21.15				
10	16QAM	25	12	21.00	21.07	21.06				
10	16QAM	25	25	20.96	21.04	20.94	22.5	2		
10	16QAM	50	0	21.26	21.26	21.11				
10	64QAM	1	0	21.12	21.10	21.20				
10	64QAM	1	25	20.93	21.13	21.00				
10	64QAM	1	49	20.93	20.98	20.98	21.5	3		
10	64QAM	25	0	20.19	20.18	20.14				
10	64QAM	25	12	20.03	20.10	20.02				
10	64QAM	25	25	19.95	20.01	20.03				
10	64QAM	50	0	20.20	20.19	20.12	20.5			
Channel				26715	26865	27015				
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dbm)	MPR (db)		
5	QPSK	1	0	23.12	23.14	23.17	24.5	0		
5	QPSK	1	12	23.00	23.09	22.98				
5	QPSK	1	24	23.03	23.10	23.01				
5	QPSK	12	0	22.09	22.13	22.12				
5	QPSK	12	7	22.00	22.07	22.00	23.5	1		
5	QPSK	12	13	22.04	22.13	21.97				
5	QPSK	25	0	22.19	22.24	22.06				
5	16QAM	1	0	22.15	22.14	22.14				
5	16QAM	1	12	22.01	22.13	22.03	23.5	1		
5	16QAM	1	24	21.98	21.98	22.01				
5	16QAM	12	0	21.16	21.15	21.08				
5	16QAM	12	7	20.99	21.07	21.05				
5	16QAM	12	13	20.98	21.09	20.95	22.5	2		
5	16QAM	25	0	21.21	21.21	21.05				
5	64QAM	1	0	21.16	21.19	21.15				
5	64QAM	1	12	20.93	21.13	20.96				
5	64QAM	1	24	20.96	21.06	20.96	22.5	2		
5	64QAM	12	0	20.16	20.23					
5	64QAM	12	7	19.98	20.10	19.99				
5	64QAM	12	13	19.95	20.04	19.99				
5	64QAM	25	0	20.20	20.15	20.12	20.5			
Channel				26705	26865	27025				
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dbm)	MPR (db)		
3	QPSK	1	0	23.12	23.13	23.14	24.5	0		
3	QPSK	1	8	23.00	23.06	23.01				
3	QPSK	1	14	23.03	23.09	23.02				
3	QPSK	8	0	22.15	22.13	22.11				
3	QPSK	8	4	22.01	22.00	21.98	23.5	1		
3	QPSK	8	7	22.02	22.14	21.95				
3	QPSK	15	0	22.17	22.18	22.13				
3	16QAM	1	0	22.13	22.14	22.13				
3	16QAM	1	8	22.01	22.12	22.00	23.5	1		
3	16QAM	1	14	22.00	22.06	21.96				
3	16QAM	8	0	21.13	21.22	21.12				
3	16QAM	8	4	20.99	21.05	21.04				
3	16QAM	8	7	20.93	21.03	21.01	22.5	2		
3	16QAM	15	0	21.18	21.22	21.12				
3	64QAM	1	0	21.11	21.13	21.17				
3	64QAM	1	8	20.94	21.14	20.99				
3	64QAM	1	14	20.91	21.01	21.02	21.5	3		
3	64QAM	8	0	20.16	20.20	20.13				
3	64QAM	8	4	19.99	20.09	20.05				
3	64QAM	8	7	19.99	20.02	20.05				
3	64QAM	15	0	20.20	20.16	20.07	20.5			
Channel				26697	26865	27033				
Frequency (MHz)				814.7	831.5	848.3	Tune-up limit (dbm)	MPR (db)		
1.4	QPSK	1	0	23.15	23.10	23.16	24.5	0		
1.4	QPSK	1	3	23.04	23.05	23.04				
1.4	QPSK	1	5	22.99	23.04	23.00				
1.4	QPSK	3	0	23.13	23.12	23.10				
1.4	QPSK	3	0	23.06	23.05	22.96	23.5	1		
1.4	QPSK	3	3	23.01	23.13	22.95				
1.4	QPSK	6	0	22.12	22.18	22.12				
1.4	16QAM	1	0	22.07	22.11	22.11				
1.4	16QAM	1	3	22.04	22.13	22.02	23.5	1		
1.4	16QAM	1	5	21.97	22.02	22.17				
1.4	16QAM	3	0	22.20	22.23	22.16				
1.4	16QAM	3	1	22.03	22.13	22.20				
1.4	16QAM	3	3	21.94	22.05	21.97	22.5	2		
1.4	16QAM	6	0	21.19	21.25	21.09				
1.4	64QAM	1	0	21.09	21.09	21.13				
1.4	64QAM	1	3	20.99	21.08	20.95				
1.4	64QAM	1	5	20.97	20.94	21.01	22.5	2		
1.4	64QAM	3	0	21.12	21.24	21.16				
1.4	64QAM	3	1	21.00	21.02	21.00				
1.4	64QAM	3	3	21.01	21.02	20.97				
1.4	64QAM	6	0	20.24	20.15	20.13	21.5	3		

Band 38 Ant4 DSI1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				37850	38000	38150						
Frequency (MHz)				2580	2595	2610	22.5	0				
20	QPSK	1	0	21.25	21.30	21.13						
20	QPSK	1	49	21.10	21.07	21.13						
20	QPSK	1	99	21.13	21.14	21.24						
20	QPSK	50	0	21.16	21.26	21.01						
20	QPSK	50	24	21.06	21.04	21.05	22.5	0				
20	QPSK	50	50	21.00	21.03	21.11						
20	QPSK	100	0	21.17	21.19	21.02						
20	16QAM	1	0	20.96	20.95	21.05				22.5	0	
20	16QAM	1	49	21.14	21.04	21.09						
20	16QAM	1	99	21.15	21.07	21.00						
20	16QAM	50	0	21.05	20.92	20.98						
20	16QAM	50	24	21.04	21.07	21.11						
20	16QAM	50	50	21.13	21.15	21.09	22.5	0				
20	16QAM	100	0	21.04	20.98	21.02						
20	64QAM	1	0	21.03	21.07	21.13				22.5	0	
20	64QAM	1	49	21.15	21.14	20.99						
20	64QAM	1	99	20.95	20.93	21.00						
20	64QAM	50	0	21.14	21.03	21.11						
20	64QAM	50	24	21.14	21.16	20.97	22.5	0				
20	64QAM	50	50	20.95	20.95	20.99						
20	64QAM	100	0	21.05	20.99	21.12						
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2577.5	2595	2612.5						
15	QPSK	1	0	21.18	21.28	21.10	22.5	0				
15	QPSK	1	37	20.91	21.04	21.10						
15	QPSK	1	74	20.94	20.96	21.15						
15	QPSK	36	0	21.13	21.19	20.88						
15	QPSK	36	20	20.90	21.03	20.95						
15	QPSK	36	39	20.82	21.00	21.11	22.5	0				
15	QPSK	75	0	21.15	21.19	20.93						
15	16QAM	1	0	20.85	20.77	20.97						
15	16QAM	1	37	21.08	20.93	21.01						
15	16QAM	1	74	21.04	20.98	20.80						
15	16QAM	36	0	20.97	20.83	20.90	22.5	0				
15	16QAM	36	20	20.94	20.91	20.98						
15	16QAM	36	39	20.93	20.98	21.07						
15	16QAM	75	0	20.99	20.94	20.87						
15	64QAM	1	0	20.95	20.88	21.09						
15	64QAM	1	37	21.04	21.08	20.80	22.5	0				
15	64QAM	1	74	20.90	20.75	21.00						
15	64QAM	36	0	20.98	20.84	21.04						
15	64QAM	36	20	21.09	21.01	20.92						
15	64QAM	36	39	20.93	20.81	20.92						
15	64QAM	75	0	20.87	20.88	20.95	Tune-up limit (dBm)	MPR (dB)				
Channel				37800	38000	38200						
Frequency (MHz)				2575	2595	2615	22.5	0				
10	QPSK	1	0	21.14	21.25	20.94						
10	QPSK	1	25	21.07	20.99	21.12						
10	QPSK	1	49	21.01	21.11	21.20						
10	QPSK	25	0	20.99	21.12	20.85						
10	QPSK	25	12	21.01	20.95	20.89	22.5	0				
10	QPSK	25	25	20.92	20.94	21.01						
10	QPSK	50	0	20.99	21.05	20.84						
10	16QAM	1	0	20.87	20.90	21.00						
10	16QAM	1	25	21.10	20.91	21.01						
10	16QAM	1	49	21.07	20.99	20.92	22.5	0				
10	16QAM	25	0	20.98	20.72	20.97						
10	16QAM	25	12	20.99	20.96	21.09						
10	16QAM	25	25	21.07	21.05	20.98						
10	16QAM	50	0	20.90	20.92	20.99						
10	64QAM	1	0	20.92	21.03	21.06	22.5	0				
10	64QAM	1	25	21.12	21.06	20.93						
10	64QAM	1	49	20.76	20.91	20.99						
10	64QAM	25	0	21.02	20.85	20.94						
10	64QAM	25	12	21.07	21.03	20.86						
10	64QAM	25	25	20.86	20.81	20.79	22.5	0				
10	64QAM	50	0	20.91	20.96	21.01						
10	64QAM	50	0	20.775	38000	38225						
Channel				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)												
5	QPSK	1	0	21.18	21.16	21.03	22.5	0				
5	QPSK	1	12	20.90	20.94	20.97						
5	QPSK	1	24	21.11	21.09	21.12						
5	QPSK	12	0	21.01	21.11	20.87						
5	QPSK	12	7	21.01	20.88	20.93						
5	QPSK	12	13	20.82	20.86	20.95	22.5	0				
5	QPSK	25	0	21.15	21.18	20.85						
5	16QAM	1	0	20.84	20.94	20.96						
5	16QAM	1	12	21.08	21.01	21.05						
5	16QAM	1	24	21.02	21.06	20.91						
5	16QAM	12	0	20.97	20.91	20.98	22.5	0				
5	16QAM	12	7	20.85	20.90	20.96						
5	16QAM	12	13	20.99	21.09	20.93						
5	16QAM	25	0	20.96	20.84	20.94						
5	64QAM	1	0	20.92	20.90	21.01						
5	64QAM	1	12	21.04	21.03	20.85	22.5	0				
5	64QAM	1	24	20.75	20.80	20.82						
5	64QAM	12	0	21.12	20.89	21.10						
5	64QAM	12	7	21.05	20.98	20.85						
5	64QAM	12	13	20.80	20.80	20.88						
5	64QAM	25	0	20.93	20.88	21.05	Tune-up limit (dBm)	MPR (dB)				

Band 41 Ant4 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	22.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.24	21.22	21.31	21.25	21.21	22.5	0
20	QPSK	1	49	21.17	21.25	21.25	21.18	21.23		
20	QPSK	1	99	21.22	21.23	21.23	21.18	21.24		
20	QPSK	50	0	21.19	21.03	21.24	21.10	21.02		
20	QPSK	50	24	21.11	21.16	21.13	21.10	21.02	22.5	0
20	QPSK	50	50	21.10	21.22	21.23	21.14	21.12		
20	QPSK	100	0	21.20	21.07	21.22	21.12	21.20		
20	16QAM	1	0	20.98	21.08	21.19	21.14	21.20		
20	16QAM	1	49	21.20	21.13	21.17	20.99	21.10	22.5	0
20	16QAM	1	99	21.13	21.17	21.13	21.09	21.18		
20	16QAM	50	0	21.15	21.11	21.06	21.10	21.19		
20	16QAM	50	24	21.18	21.10	21.21	21.10	21.06		
20	16QAM	50	50	21.15	21.03	21.14	21.15	21.08	22.5	0
20	16QAM	100	0	21.10	21.08	21.21	21.10	21.20		
20	64QAM	1	0	21.06	21.13	21.15	21.04	21.12		
20	64QAM	1	49	21.05	21.07	21.06	21.17	21.13		
20	64QAM	1	99	21.03	21.16	21.14	21.16	21.03	22.5	0
20	64QAM	50	0	21.12	21.21	21.18	21.17	21.17		
20	64QAM	50	24	21.20	21.11	21.08	21.05	21.10		
20	64QAM	50	50	20.97	21.19	21.06	21.02	21.19		
20	64QAM	100	0	21.14	21.12	21.14	21.11	21.12	22.5	0
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2693.5	2649.3	2593	2549.3	2493.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	21.10	21.15	21.12	21.06	21.02	23	0
15	QPSK	1	37	21.07	21.23	21.16	20.98	21.18		
15	QPSK	1	74	21.14	21.04	21.12	20.98	21.04		
15	QPSK	36	0	21.02	20.86	21.13	21.04	20.97		
15	QPSK	36	20	21.05	21.15	20.94	21.05	20.94	22.5	0
15	QPSK	36	39	20.92	21.06	21.12	21.09	21.08		
15	QPSK	75	0	21.16	20.89	21.07	21.10	21.01		
15	16QAM	1	0	20.81	20.89	20.99	21.10	21.03		
15	16QAM	1	37	21.01	20.97	21.03	20.95	21.04	22.5	0
15	16QAM	1	74	21.08	21.06	20.96	21.07	20.98		
15	16QAM	36	0	20.97	21.10	20.91	21.07	21.14		
15	16QAM	36	20	21.13	20.93	21.16	21.02	21.04		
15	16QAM	36	39	21.05	20.86	20.98	20.98	20.97	22.5	0
15	16QAM	75	0	21.09	20.92	21.04	20.90	21.09		
15	64QAM	1	0	20.94	21.05	20.96	21.04	21.01		
15	64QAM	1	37	21.02	20.98	20.91	21.04	21.05		
15	64QAM	1	74	20.91	20.98	20.94	21.03	20.89	22.5	0
15	64QAM	36	0	21.00	21.16	21.13	21.05	20.98		
15	64QAM	36	20	20.98	21.06	21.02	20.91	20.91		
15	64QAM	36	39	20.84	21.14	21.02	20.90	21.00		
15	64QAM	75	0	21.14	20.93	20.97	21.05	21.00	22.50	0
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.07	21.04	21.18	21.23	21.02	22.50	0
10	QPSK	1	25	21.05	21.09	21.25	21.07	21.18		
10	QPSK	1	49	21.09	21.14	21.14	21.15	21.17		
10	QPSK	25	0	20.99	20.84	21.23	21.04	20.93		
10	QPSK	25	12	21.06	20.98	21.12	21.05	20.82	22.5	0
10	QPSK	25	25	21.09	21.16	21.13	21.10	21.04		
10	QPSK	50	0	21.06	20.95	21.05	21.07	21.18		
10	16QAM	1	0	20.86	20.90	20.99	21.01	21.16		
10	16QAM	1	25	21.16	20.93	21.05	20.92	21.08	22.5	0
10	16QAM	1	49	21.09	21.00	20.99	21.07	21.09		
10	16QAM	25	0	21.07	20.96	21.04	20.99	21.16		
10	16QAM	25	12	21.02	21.08	21.20	21.02	20.93		
10	16QAM	25	25	20.97	20.92	21.03	21.13	20.89	22.5	0
10	16QAM	50	0	20.92	20.91	21.20	21.06	21.04		
10	64QAM	1	0	20.91	21.11	20.98	20.85	21.07		
10	64QAM	1	25	21.03	20.96	21.06	21.09	21.02		
10	64QAM	1	49	20.99	21.12	21.06	21.09	20.97	22.5	0
10	64QAM	25	0	21.02	21.08	21.10	21.01	21.04		
10	64QAM	25	12	21.15	21.07	20.92	20.95	20.92		
10	64QAM	25	25	20.82	21.09	21.01	20.87	21.13		
10	64QAM	50	0	21.09	20.99	21.01	21.02	21.06	22.5	0
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.21	21.10	21.24	21.15	21.12	22.50	0
5	QPSK	1	12	20.97	21.06	21.21	21.02	21.18		
5	QPSK	1	24	21.14	21.05	21.21	21.14	21.21		
5	QPSK	12	0	21.18	20.85	21.06	21.04	20.87		
5	QPSK	12	7	20.92	21.01	21.00	20.98	20.99	22.5	0
5	QPSK	12	13	20.92	21.07	21.07	21.06	20.95		
5	QPSK	25	0	21.03	21.06	21.13	21.11	21.06		
5	16QAM	1	0	20.91	20.97	21.10	21.09	21.11		
5	16QAM	1	12	21.06	21.00	21.08	20.89	21.02	22.5	0
5	16QAM	1	24	21.02	21.05	20.97	20.91	21.08		
5	16QAM	12	0	21.14	20.97	20.90	20.91	20.99		
5	16QAM	12	7	20.99	20.99	21.13	21.03	21.04		
5	16QAM	12	13	21.08	20.99	21.07	21.07	20.91	22.5	0
5	16QAM	25	0	20.97	21.05	21.20	21.05	21.01		
5	64QAM	1	0	20.89	20.98	21.13	20.92	21.05		
5	64QAM	1	12	20.92	20.91	21.05	21.13	21.04		
5	64QAM	1	24	20.86	21.03	21.12	21.13	20.97	22.5	0
5	64QAM	12	0	21.09	21.19	21.12	21.10	21.03		
5	64QAM	12	7	21.17	21.01	21.06	20.91	20.94		
5	64QAM	12	13	20.93	21.18	20.94	21.02	21.16		
5	64QAM	25	0	21.00	20.98	21.09	21.10	21.05		

GSM850 Ant0 DS12

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	186	251		128	186	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8	824.2	836.4
Frequency (MHz)	33.07	33.13	33.05	33.50	24.07	24.13	24.05	24.50
GSM 1 Tx slot	33.05	33.12	33.02	33.50	24.05	24.12	24.02	24.50
GPRS 1 Tx slot	32.05	32.13	32.03	32.50	26.05	26.13	26.03	26.50
GPRS 2 Tx slots	30.01	30.03	29.99	30.50	25.75	25.77	25.73	26.24
GPRS 3 Tx slots	28.90	28.91	28.84	29.50	25.90	25.91	25.84	26.50
GPRS 4 Tx slots	27.04	27.00	26.95	27.50	18.04	18.00	17.95	18.50
EDGE 1 Tx slot	25.33	25.31	25.23	25.50	19.33	19.31	19.23	19.50
EDGE 2 Tx slots	23.79	23.74	23.68	24.00	19.53	19.48	19.42	19.74
EDGE 3 Tx slots	22.63	22.52	22.48	23.50	19.63	19.52	19.48	20.50
EDGE 4 Tx slots								

WCDMA V Ant0 DS12

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.51	24.63	24.52	25.50
3GPP Rel 99	RMC 12.2Kbps	24.55	24.65	24.53	25.50
3GPP Rel 6	HSDPA Subtest-1	23.78	23.72	23.68	24.50
3GPP Rel 6	HSDPA Subtest-2	23.73	23.72	23.65	24.50
3GPP Rel 6	HSDPA Subtest-3	23.27	23.22	23.17	24.00
3GPP Rel 6	HSDPA Subtest-4	23.23	23.20	23.15	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	23.62	23.50	23.57	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	23.58	23.55	23.41	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	23.13	22.92	23.03	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	23.09	22.96	22.93	24.00
3GPP Rel 6	HSUPA Subtest-1	23.73	23.65	23.61	24.50
3GPP Rel 6	HSUPA Subtest-2	21.62	21.65	21.59	22.50
3GPP Rel 6	HSUPA Subtest-3	22.72	22.67	22.63	23.50
3GPP Rel 6	HSUPA Subtest-4	21.26	21.26	21.19	22.50
3GPP Rel 6	HSUPA Subtest-5	22.70	22.70	22.60	24.50

Band 5 Ant0 DS2i												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				820.5	836.5	847.5						
10	QPSK	1	0	24.20	24.32	24.15	25.5	0				
10	QPSK	1	25	24.31	24.24	24.16						
10	QPSK	1	49	24.22	24.17	24.12						
10	QPSK	25	0	23.22	23.24	23.16	24.5	1				
10	QPSK	25	12	23.21	23.17	23.16						
10	QPSK	25	25	23.23	23.23	23.14						
10	QPSK	50	0	23.22	23.23	23.18	24.5	1				
10	16QAM	1	0	23.37	23.41	23.36						
10	16QAM	1	25	23.49	23.45	23.35						
10	16QAM	1	49	23.40	23.36	23.29	23.5	2				
10	16QAM	25	0	22.19	22.21	22.16						
10	16QAM	25	12	22.20	22.18	22.17						
10	16QAM	25	25	22.18	22.14	22.16	23.5	2				
10	16QAM	50	0	22.20	22.15	22.15						
10	64QAM	1	0	22.32	22.37	22.31						
10	64QAM	1	25	22.45	22.39	22.30	23.5	2				
10	64QAM	1	49	22.33	22.32	22.27						
10	64QAM	25	0	21.19	21.20	21.14						
10	64QAM	25	12	21.19	21.17	21.15	22.5	3				
10	64QAM	25	25	21.17	21.14	21.16						
10	64QAM	50	0	21.18	21.14	21.11						
Channel												
Frequency (MHz)				2042.5	2052.5	2062.5	Tune-up limit (dBm)	MPR (dB)				
5	QPSK	1	0	24.23	24.24	24.16	25.5	0				
5	QPSK	1	12	24.27	24.26	24.18						
5	QPSK	1	24	24.29	24.21	24.14						
5	QPSK	12	0	23.20	23.24	23.20	24.5	1				
5	QPSK	12	7	23.24	23.22	23.13						
5	QPSK	12	13	23.21	23.11	23.12						
5	QPSK	25	0	23.22	23.18	23.11	24.5	1				
5	16QAM	1	0	23.46	23.43	23.34						
5	16QAM	1	12	23.46	23.43	23.33						
5	16QAM	1	24	23.48	23.37	23.30	23.5	2				
5	16QAM	12	0	22.18	22.22	22.12						
5	16QAM	12	7	22.18	22.17	22.11						
5	16QAM	12	13	22.17	22.09	22.06	23.5	2				
5	16QAM	25	0	22.22	22.17	22.13						
5	64QAM	1	0	22.36	22.38	22.33						
5	64QAM	1	12	22.41	22.41	22.32	23.5	2				
5	64QAM	1	24	22.42	22.34	22.30						
5	64QAM	12	0	21.17	21.17	21.13						
5	64QAM	12	7	21.18	21.15	21.10	22.5	3				
5	64QAM	12	13	21.13	21.06	21.08						
5	64QAM	25	0	21.22	21.14	21.12						
Channel												
Frequency (MHz)				2041.5	2052.5	2063.5				Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	24.24	24.24	24.13	25.5	0				
3	QPSK	1	8	24.25	24.19	24.12						
3	QPSK	1	14	24.27	24.18	24.10						
3	QPSK	8	0	23.21	23.15	23.12	24.5	1				
3	QPSK	8	4	23.22	23.21	23.14						
3	QPSK	8	7	23.21	23.19	23.08						
3	QPSK	15	0	23.18	23.17	23.11	24.5	1				
3	16QAM	1	0	23.40	23.42	23.28						
3	16QAM	1	8	23.44	23.36	23.25						
3	16QAM	1	14	23.46	23.34	23.31	23.5	2				
3	16QAM	8	0	22.25	22.23	22.18						
3	16QAM	8	4	22.26	22.24	22.20						
3	16QAM	8	7	22.25	22.25	22.18	23.5	2				
3	16QAM	15	0	22.22	22.20	22.15						
3	64QAM	1	0	22.35	22.34	22.29						
3	64QAM	1	8	22.36	22.37	22.26	23.5	2				
3	64QAM	1	14	22.46	22.33	22.28						
3	64QAM	8	0	21.22	21.21	21.14						
3	64QAM	8	4	21.22	21.19	21.14	22.5	3				
3	64QAM	8	7	21.24	21.17	21.14						
3	64QAM	15	0	21.18	21.16	21.11						
Channel												
Frequency (MHz)				2040.7	2052.5	2064.3				Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	24.22	24.18	24.16	25.5	0				
1.4	QPSK	1	3	24.25	24.24	24.14						
1.4	QPSK	1	5	24.24	24.21	24.15						
1.4	QPSK	3	0	24.23	24.19	24.19	24.5	1				
1.4	QPSK	3	1	24.21	24.24	24.16						
1.4	QPSK	3	3	24.25	24.21	24.17						
1.4	QPSK	6	0	23.23	23.26	23.19	24.5	1				
1.4	16QAM	1	0	23.39	23.48	23.36						
1.4	16QAM	1	3	23.44	23.46	23.36						
1.4	16QAM	1	5	23.45	23.44	23.32	24.5	1				
1.4	16QAM	3	0	23.25	23.24	23.22						
1.4	16QAM	3	1	23.22	23.27	23.22						
1.4	16QAM	3	3	23.22	23.22	23.20	23.5	2				
1.4	16QAM	6	0	22.27	22.26	22.22						
1.4	64QAM	1	0	22.35	22.42	22.38						
1.4	64QAM	1	3	22.36	22.41	22.34	23.5	2				
1.4	64QAM	1	5	22.43	22.45	22.34						
1.4	64QAM	3	0	22.31	22.31	22.26						
1.4	64QAM	3	1	22.29	22.31	22.25	22.5	3				
1.4	64QAM	3	3	22.26	22.29	22.25						
1.4	64QAM	6	0	21.16	21.22	21.17						

Band 7 Ant0 DS2i												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.31	20.39	20.30	21.5	0				
20	QPSK	1	49	19.94	19.96	20.05						
20	QPSK	1	99	19.94	20.05	20.06						
20	QPSK	50	0	19.89	20.39	19.99	21.5	0				
20	QPSK	50	24	19.91	19.94	20.09						
20	QPSK	50	50	19.90	19.98	20.02						
20	QPSK	100	0	20.27	20.31	20.21	21.5	0				
20	16QAM	1	0	19.85	19.89	19.94						
20	16QAM	1	49	19.98	19.99	20.05						
20	16QAM	1	99	19.97	19.92	19.91	21.5	0				
20	16QAM	50	0	20.21	20.21	20.11						
20	16QAM	50	24	20.25	20.28	20.14						
20	16QAM	50	50	20.22	20.19	20.19	21.5	0				
20	16QAM	100	0	20.18	20.21	20.15						
20	64QAM	1	0	20.20	20.24	20.17	21.5	0				
20	64QAM	1	49	20.25	20.29	20.35						
20	64QAM	1	99	20.37	20.33	20.32						
20	64QAM	50	0	20.20	20.23	20.07	21.5	0				
20	64QAM	50	24	20.22	20.23	20.15						
20	64QAM	50	50	20.21	20.20	20.15						
20	64QAM	100	0	20.19	20.28	20.14	21.5	0				
Channel												
Frequency (MHz)												
15	QPSK	1	0	20.16	20.18	20.17	21.5	0				
15	QPSK	1	37	19.78	19.77	19.95						
15	QPSK	1	74	19.79	19.94	19.87						
15	QPSK	36	0	19.73	20.02	19.88	21.5	0				
15	QPSK	36	20	19.72	19.84	19.95						
15	QPSK	36	39	19.79	19.68	19.81						
15	QPSK	75	0	19.95	19.91	19.90	21.5	0				
15	16QAM	1	0	19.72	19.77	19.94						
15	16QAM	1	37	19.79	19.83	19.85	21.5	0				
15	16QAM	1	74	19.80	19.82	19.74						
15	16QAM	36	0	20.08	20.10	19.94	21.5	0				
15	16QAM	36	20	20.10	20.12	20.02						
15	16QAM	36	39	20.03	20.06	20.06						
15	16QAM	75	0	20.05	20.07	19.94	21.5	0				
15	16QAM	1	0	20.04	20.11	20.06						
15	84QAM	1	37	20.06	20.09	20.16	21.5	0				
15	84QAM	1	74	20.23	20.20	20.19						
15	84QAM	36	0	20.00	20.08	19.94	21.5	0				
15	84QAM	36	20	20.06	20.04	20.00						
15	84QAM	36	39	20.08	20.00	19.95						
15	84QAM	75	0	20.05	20.14	20.03	21.5	0				
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.18	20.23	20.15	21.5	0				
10	QPSK	1	25	19.82	19.78	19.87						
10	QPSK	1	49	19.79	19.88	19.90						
10	QPSK	25	0	19.77	20.03	19.81	21.5	0				
10	QPSK	25	12	19.78	19.76	19.89						
10	QPSK	25	25	19.86	19.69	19.86						
10	QPSK	50	0	19.96	19.97	19.81	21.5	0				
10	16QAM	1	0	19.72	19.72	19.81						
10	16QAM	1	25	19.84	19.83	19.85						
10	16QAM	25	0	19.81	19.80	19.77	21.5	0				
10	16QAM	25	0	20.04	20.01	20.00						
10	16QAM	25	12	20.05	20.08	19.99						
10	16QAM	25	25	20.04	20.05	20.00	21.5	0				
10	16QAM	50	0	19.99	20.04	19.98						
10	84QAM	1	0	20.06	20.08	20.06	21.5	0				
10	84QAM	1	25	20.12	20.18	20.25						
10	84QAM	25	0	20.22	20.19	20.19						
10	84QAM	25	0	20.06	20.08	19.93	21.5	0				
10	84QAM	25	12	20.03	20.03	20.02						
10	84QAM	25	25	20.08	20.06	20.03						
10	84QAM	50	0	20.05	20.10	20.02	21.5	0				
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.13	20.22	20.16	21.5	0				
5	QPSK	1	12	19.79	19.79	19.88						
5	QPSK	1	24	19.77	19.93	19.93						
5	QPSK	12	0	19.76	20.03	19.82	21.5	0				
5	QPSK	12	7	19.71	19.78	19.91						
5	QPSK	12	13	19.81	19.68	19.91						
5	QPSK	25	0	19.93	19.95	19.84	21.5	0				
5	16QAM	1	0	19.74	19.71	19.82						
5	16QAM	1	12	19.82	19.85	19.86						
5	16QAM	1	24	19.81	19.80	19.78	21.5	0				
5	16QAM	12	0	20.09	20.11	20.00						
5	16QAM	12	7	20.14	20.15	19.99						
5	16QAM	12	13	20.07	20.06	20.07	21.5	0				
5	16QAM	25	0	19.99	20.05	19.91						
5	84QAM	1	0	20.06	20.05	20.00	21.5	0				
5	84QAM	1	12	20.06	20.17	20.22						
5	84QAM	1	24	20.17	20.14	20.17						
5	84QAM	12	0	20.05	20.05	19.87	21.5	0				
5	84QAM	12	7	20.12	20.09	19.92						
5	84QAM	12	13	20.05	20.03	20.02						
5	84QAM	25	0	20.04	20.12	20.03	21.5	0				



Band 13 Ant0 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dbm)	MPPR (db)	
Channel				23230					
Frequency (MHz)				782					
10	QPSK	1	0		24.56		25.5	0	
10	QPSK	1	25		24.48				
10	QPSK	1	49		24.41				
10	QPSK	25	0		23.38		24.5	1	
10	QPSK	25	12		23.28				
10	QPSK	25	25		23.29				
10	QPSK	50	0		23.41		24.5	1	
10	16QAM	1	0		23.54				
10	16QAM	1	25		23.46				
10	16QAM	1	49		23.39		23.5	2	
10	16QAM	25	0		22.38				
10	16QAM	25	12		22.27				
10	16QAM	25	25		22.24		23.5	2	
10	16QAM	50	0		22.38				
10	64QAM	1	0		22.59				
10	64QAM	1	25		22.50		23.5	2	
10	64QAM	1	49		22.39				
10	64QAM	25	0		21.34				
10	64QAM	25	12		21.21		22.5	3	
10	64QAM	25	25		21.28				
10	64QAM	50	0		21.49				
Channel				23205	23230	23255	Tune-up limit (dbm)	MPPR (db)	
Frequency (MHz)				779.5	782	784.5	25.5		
5	QPSK	1	0	24.34	24.47	24.37	25.5	0	
5	QPSK	1	12	24.24	24.35	24.30			
5	QPSK	1	24	24.23	24.32	24.22			
5	QPSK	12	0	23.21	23.27	23.19	24.5	1	
5	QPSK	12	7	23.10	23.18	23.07			
5	QPSK	12	13	23.12	23.19	23.10			
5	QPSK	25	0	23.18	23.33	23.18	24.5	1	
5	16QAM	1	0	23.34	23.44	23.32			
5	16QAM	1	12	23.29	23.37	23.27			
5	16QAM	1	24	23.18	23.26	23.19	24.5	2	
5	16QAM	12	0	22.20	22.28	22.16			
5	16QAM	12	7	22.06	22.20	22.07			
5	16QAM	12	13	22.03	22.12	22.03	23.5	2	
5	16QAM	25	0	22.16	22.26	22.15			
5	64QAM	1	0	22.43	22.46	22.38			
5	64QAM	1	12	22.26	22.43	22.35	23.5	2	
5	64QAM	1	24	22.22	22.28	22.24			
5	64QAM	12	0	21.16	21.25	21.17			
5	64QAM	12	7	21.03	21.10	21.01	22.5	3	
5	64QAM	12	13	21.09	21.20	21.10			
5	64QAM	25	0	21.25	21.37	21.31			

Band 17 Ant0 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				23780	23790	23800			
10	QPSK	1	0	2449	24.56	24.53			
10	QPSK	1	25	24.40	24.46	24.38	25.5		0
10	QPSK	1	49	24.42	24.49	24.39			
10	QPSK	25	0	23.42	23.46	23.45			
10	QPSK	25	12	23.29	23.34	23.39			
10	QPSK	25	25	23.32	23.38	23.36		24.5	1
10	QPSK	50	0	23.40	23.43	23.40			
10	16QAM	1	0	23.49	23.59	23.55			
10	16QAM	1	25	23.38	23.44	23.34	24.5		1
10	16QAM	1	49	23.41	23.47	23.37			
10	16QAM	25	0	22.45	22.44	22.47			
10	16QAM	25	12	22.26	22.35	22.38			
10	16QAM	25	25	22.35	22.39	22.35		23.5	2
10	16QAM	50	0	22.35	22.43	22.44			
10	64QAM	1	0	22.48	22.54	22.54			
10	64QAM	1	25	22.35	22.42	22.32	23.5		2
10	64QAM	1	49	22.45	22.42	22.34			
10	64QAM	25	0	21.42	21.48	21.52			
10	64QAM	25	12	21.26	21.34	21.36		22.5	3
10	64QAM	25	25	21.37	21.35	21.30			
10	64QAM	50	0	21.40	21.39	21.49			
Channel									
Frequency (MHz)				23785	23790	23825	Tune-up limit (dbm)	MPR (db)	
5	QPSK	1	0	24.44	24.41	24.44			
5	QPSK	1	12	24.32	24.32	24.28	25.5		0
5	QPSK	1	24	24.28	24.41	24.33			
5	QPSK	12	0	23.31	23.34	23.34			
5	QPSK	12	7	23.19	23.26	23.24	24.5		1
5	QPSK	12	13	23.21	23.32	23.21			
5	QPSK	25	0	23.30	23.31	23.25			
5	16QAM	1	0	23.40	23.44	23.41			
5	16QAM	1	12	23.23	23.34	23.19	24.5		1
5	16QAM	1	24	23.31	23.35	23.32			
5	16QAM	12	0	22.31	22.33	22.40			
5	16QAM	12	7	22.18	22.27	22.26	23.5		2
5	16QAM	12	13	22.27	22.32	22.21			
5	16QAM	25	0	22.25	22.36	22.30			
5	64QAM	1	0	22.38	22.47	22.45	23.5		2
5	64QAM	1	12	22.26	22.29	22.22			
5	64QAM	1	24	22.30	22.36	22.19			
5	64QAM	12	0	21.35	21.34	21.43			
5	64QAM	12	7	21.15	21.29	21.28	22.5		3
5	64QAM	12	13	21.23	21.24	21.16			
5	64QAM	25	0	21.32	21.30	21.37			

Band 26 Ant0 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26705	26695	26690			
15	QPSK	1	0	24.55	24.60	24.57			
15	QPSK	1	37	24.41	24.46	24.51	25.5	0	
15	QPSK	1	74	24.43	24.49	24.46			
15	QPSK	36	0	23.52	23.59	23.58			
15	QPSK	36	20	23.46	23.43	23.44	24.5	1	
15	QPSK	36	39	23.56	23.64	23.50			
15	QPSK	75	0	23.56	23.64	23.50			
15	16QAM	1	0	23.58	23.58	23.62			
15	16QAM	1	37	23.39	23.46	23.46	24.5	1	
15	16QAM	1	74	23.48	23.51	23.49			
15	16QAM	36	0	22.51	22.65	22.54			
15	16QAM	36	20	22.41	22.50	22.50	23.5	2	
15	16QAM	36	39	22.44	22.56	22.48			
15	16QAM	75	0	22.59	22.63	22.50			
15	64QAM	1	0	22.59	22.55	22.62			
15	64QAM	1	37	22.35	22.52	22.47	23.5	2	
15	64QAM	1	74	22.48	22.56	22.50			
15	64QAM	36	0	21.47	21.69	21.56			
15	64QAM	36	20	21.43	21.54	21.56	22.5	3	
15	64QAM	36	39	21.46	21.63	21.46			
15	64QAM	75	0	21.56	21.58	21.49			
Channel									
Frequency (MHz)				26740	26685	26690	Tune-up limit (dBm)	MPR (dB)	
				819	831.5	844			
10	QPSK	1	0	24.46	24.52	24.47			
10	QPSK	1	25	24.26	24.32	24.41	25.5	0	
10	QPSK	1	49	24.31	24.38	24.32			
10	QPSK	25	0	23.38	23.50	23.44			
10	QPSK	25	12	23.36	23.33	23.29	24.5	1	
10	QPSK	25	25	23.28	23.41	23.42			
10	QPSK	50	0	23.42	23.57	23.38			
10	16QAM	1	0	23.50	23.46	23.52			
10	16QAM	1	25	23.28	23.31	23.34	24.5	1	
10	16QAM	1	49	23.39	23.39	23.43			
10	16QAM	25	0	22.43	22.54	22.44			
10	16QAM	25	12	22.30	22.38	22.40	23.5	2	
10	16QAM	25	25	22.32	22.48	22.35			
10	16QAM	50	0	22.47	22.54	22.43			
10	64QAM	1	0	22.45	22.47	22.53			
10	64QAM	1	25	22.26	22.42	22.34	23.5	2	
10	64QAM	1	49	22.35	22.49	22.43			
10	64QAM	25	0	21.38	21.55	21.42			
10	64QAM	25	12	21.31	21.42	21.46	22.5	3	
10	64QAM	25	25	21.38	21.48	21.35			
10	64QAM	50	0	21.47	21.48	21.35			
Channel									
Frequency (MHz)				26710	26685	26690	Tune-up limit (dBm)	MPR (dB)	
				816.5	831.5	846.5			
5	QPSK	1	0	24.46	24.46	24.44			
5	QPSK	1	12	24.31	24.31	24.37	25.5	0	
5	QPSK	1	24	24.29	24.36	24.38			
5	QPSK	12	0	23.39	23.51	23.50			
5	QPSK	12	7	23.32	23.30	23.33	24.5	1	
5	QPSK	12	13	23.35	23.43	23.41			
5	QPSK	25	0	23.44	23.54	23.39			
5	16QAM	1	0	23.45	23.44	23.52			
5	16QAM	1	12	23.26	23.33	23.34	24.5	1	
5	16QAM	1	24	23.37	23.40	23.38			
5	16QAM	12	0	22.37	22.57	22.42			
5	16QAM	12	7	22.32	22.36	22.38	23.5	2	
5	16QAM	12	13	22.35	22.43	22.38			
5	16QAM	25	0	22.48	22.54	22.36			
5	64QAM	1	0	22.51	22.44	22.54			
5	64QAM	1	12	22.23	22.39	22.38	23.5	2	
5	64QAM	1	24	22.41	22.43	22.40			
5	64QAM	12	0	21.36	21.61	21.44			
5	64QAM	12	7	21.28	21.45	21.46	22.5	3	
5	64QAM	12	13	21.38	21.54	21.32			
5	64QAM	25	0	21.49	21.47	21.35			
Channel									
Frequency (MHz)				26705	26685	267025	Tune-up limit (dBm)	MPR (dB)	
				815.5	831.5	847.5			
3	QPSK	1	0	24.48	24.45	24.45			
3	QPSK	1	8	24.30	24.32	24.43	25.5	0	
3	QPSK	1	14	24.35	24.36	24.31			
3	QPSK	8	0	23.38	23.45	23.49			
3	QPSK	8	4	23.39	23.28	23.35	24.5	1	
3	QPSK	8	7	23.26	23.43	23.38			
3	QPSK	15	0	23.48	23.56	23.37			
3	16QAM	1	0	23.46	23.50	23.45			
3	16QAM	1	8	23.26	23.33	23.31	24.5	1	
3	16QAM	1	14	23.37	23.40	23.33			
3	16QAM	8	0	22.39	22.54	22.42			
3	16QAM	8	4	22.31	22.39	22.42	23.5	2	
3	16QAM	8	7	22.30	22.43	22.34			
3	16QAM	15	0	22.49	22.53	22.39			
3	64QAM	1	0	22.47	22.48	22.55			
3	64QAM	1	8	22.24	22.38	22.31	23.5	2	
3	64QAM	1	14	22.32	22.45	22.35			
3	64QAM	8	0	21.33	21.56	21.48			
3	64QAM	8	4	21.31	21.37	21.43	22.5	3	
3	64QAM	8	7	21.37	21.55	21.31			
3	64QAM	15	0	21.45	21.49	21.32			
Channel									
Frequency (MHz)				8147	831.5	848.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	24.38	24.43	24.50			
1.4	QPSK	1	3	24.29	24.38	24.40	25.5	0	
1.4	QPSK	1	5	24.27	24.40	24.38			
1.4	QPSK	3	0	24.43	24.46	24.49			
1.4	QPSK	3	1	24.36	24.35	24.28	24.5	1	
1.4	QPSK	3	3	24.28	24.46	24.37			
1.4	QPSK	6	0	23.41	23.47	23.40			
1.4	16QAM	1	0	23.51	23.49	23.47			
1.4	16QAM	1	3	23.31	23.37	23.33	24.5	1	
1.4	16QAM	1	5	23.35	23.42	23.36			
1.4	16QAM	3	0	23.38	23.52	23.42			
1.4	16QAM	3	1	23.26	23.42	23.41	23.5	2	
1.4	16QAM	3	3	23.31	23.40	23.33			
1.4	16QAM	6	0	22.47	22.56	22.43	23.5	2	
1.4	64QAM	1	0	22.46	22.38	22.53			
1.4	64QAM	1	3	22.25	22.43	22.39			
1.4	64QAM	1	5	22.35	22.46	22.35	23.5	2	
1.4	64QAM	3	0	22.38	22.56	22.41			
1.4	64QAM	3	1	22.27	22.42	22.40			
1.4	64QAM	3	3	22.23	22.51	22.36			
1.4	64QAM	6	0	21.43	21.49	21.34	22.5	3	

Band 38 Ant0 DS12									
BW [MHz]	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	24.54	24.55	24.51	25.5	0	
20	QPSK	1	49	24.50	24.46	24.33			
20	QPSK	1	99	24.36	24.25	24.17			
20	QPSK	50	0	23.50	23.52	23.28	24.5	1	
20	QPSK	50	24	23.51	23.37	23.29			
20	QPSK	50	50	23.46	23.31	23.25			
20	QPSK	100	0	23.44	23.48	23.34	24.5	1	
20	16QAM	1	0	23.43	23.33	23.20			
20	16QAM	1	49	23.51	23.45	23.30			
20	16QAM	1	99	23.33	23.24	23.12	23.5	2	
20	16QAM	50	0	22.50	22.41	22.28			
20	16QAM	50	24	22.51	22.37	22.28			
20	16QAM	50	50	22.46	22.29	22.26	23.5	2	
20	16QAM	100	0	22.46	22.34	22.23			
20	64QAM	1	0	22.20	22.08	21.97			
20	64QAM	1	49	22.28	22.23	22.08	23.5	2	
20	64QAM	1	99	22.09	22.03	21.94			
20	64QAM	50	0	21.47	21.34	21.21			
20	64QAM	50	24	21.42	21.31	21.20	22.5	3	
20	64QAM	50	50	21.39	21.23	21.18			
20	64QAM	100	0	21.51	21.38	21.28			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	24.50	24.34	24.50	25.5	0	
15	QPSK	1	37	24.51	24.48	24.52			
15	QPSK	1	74	24.48	24.31	24.48			
15	QPSK	36	0	23.48	23.34	23.48	24.5	1	
15	QPSK	36	20	23.47	23.34	23.47			
15	QPSK	36	39	23.41	23.29	23.41			
15	QPSK	75	0	23.50	23.35	23.50	24.5	1	
15	16QAM	1	0	23.50	23.33	23.50			
15	16QAM	1	37	23.58	23.44	23.58			
15	16QAM	1	74	23.46	23.31	23.46	24.5	1	
15	16QAM	36	0	22.42	22.28	22.42			
15	16QAM	36	20	22.45	22.30	22.45			
15	16QAM	36	39	22.38	22.26	22.38	23.5	2	
15	16QAM	75	0	22.47	22.34	22.47			
15	64QAM	1	0	22.28	22.13	22.28			
15	64QAM	1	37	22.33	22.24	22.33	23.5	2	
15	64QAM	1	74	22.24	22.08	22.24			
15	64QAM	36	0	21.48	21.34	21.48			
15	64QAM	36	20	21.46	21.33	21.46	22.5	3	
15	64QAM	36	39	21.42	21.28	21.42			
15	64QAM	75	0	21.46	21.31	21.46			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.46	24.41	24.30	25.5	0	
10	QPSK	1	25	24.50	24.50	24.40			
10	QPSK	1	49	24.52	24.42	24.29			
10	QPSK	25	0	23.56	23.43	23.29	24.5	1	
10	QPSK	25	12	23.52	23.40	23.30			
10	QPSK	25	25	23.50	23.34	23.25			
10	QPSK	50	0	23.55	23.39	23.30	24.5	1	
10	16QAM	1	0	23.59	23.41	23.28			
10	16QAM	1	25	23.60	23.49	23.36			
10	16QAM	1	49	23.53	23.38	23.25	23.5	2	
10	16QAM	25	0	22.58	22.44	22.33			
10	16QAM	25	12	22.54	22.40	22.32			
10	16QAM	25	25	22.50	22.36	22.27	23.5	2	
10	16QAM	50	0	22.57	22.42	22.30			
10	64QAM	1	0	22.33	22.18	22.07			
10	64QAM	1	25	22.34	22.25	22.14	23.5	2	
10	64QAM	1	49	22.30	22.19	22.04			
10	64QAM	25	0	21.53	21.38	21.26			
10	64QAM	25	12	21.49	21.36	21.27	22.5	3	
10	64QAM	25	25	21.46	21.31	21.20			
10	64QAM	50	0	21.48	21.31	21.24			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.49	24.43	24.37	25.5	0	
5	QPSK	1	12	24.44	24.43	24.38			
5	QPSK	1	24	24.48	24.43	24.31			
5	QPSK	12	0	23.59	23.46	23.33	24.5	1	
5	QPSK	12	7	23.53	23.40	23.27			
5	QPSK	12	13	23.51	23.35	23.26			
5	QPSK	25	0	23.55	23.40	23.24	24.5	1	
5	16QAM	1	0	23.61	23.45	23.34			
5	16QAM	1	12	23.62	23.48	23.34			
5	16QAM	1	24	23.55	23.42	23.26	24.5	1	
5	16QAM	12	0	22.52	22.38	22.23			
5	16QAM	12	7	22.46	22.32	22.20			
5	16QAM	12	13	22.46	22.29	22.17	23.5	2	
5	16QAM	25	0	22.57	22.41	22.30			
5	64QAM	1	0	22.38	22.23	22.14			
5	64QAM	1	12	22.40	22.33	22.13	23.5	2	
5	64QAM	1	24	22.34	22.23	22.10			
5	64QAM	12	0	21.50	21.35	21.23			
5	64QAM	12	7	21.47	21.34	21.16	22.5	3	
5	64QAM	12	13	21.41	21.26	21.16			
5	64QAM	25	0	21.49	21.35	21.23			

Band 41 Ant0 DS12										
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	24.60	24.52	24.68	24.41	24.30	25.5	0
20	QPSK	1	49	24.57	24.66	24.55	24.32	24.52		
20	QPSK	1	99	24.56	24.56	24.34	24.43	24.58		
20	QPSK	50	0	23.64	23.61	23.65	23.23	23.43	24.5	1
20	QPSK	50	24	23.60	23.61	23.47	23.32	23.50		
20	QPSK	50	50	23.62	23.59	23.38	23.25	23.46		
20	QPSK	100	0	23.60	23.56	23.62	23.23	23.43	24.5	1
20	16QAM	1	0	23.59	23.53	23.40	23.42	23.34		
20	16QAM	1	49	23.71	23.68	23.50	23.33	23.54		
20	16QAM	1	99	23.57	23.56	23.34	23.43	23.53	23.5	2
20	16QAM	50	0	22.62	22.60	22.46	22.20	22.44		
20	16QAM	50	24	22.65	22.63	22.46	22.31	22.48		
20	16QAM	50	50	22.60	22.58	22.39	22.26	22.46	23.5	2
20	16QAM	100	0	22.62	22.61	22.42	22.23	22.46		
20	64QAM	1	0	22.87	22.78	22.63	22.70	22.59		
20	64QAM	1	49	22.97	22.95	22.83	22.60	22.80	23.5	2
20	64QAM	1	99	22.83	22.81	22.59	22.71	22.84		
20	64QAM	50	0	21.76	21.75	21.60	21.37	21.57		
20	64QAM	50	24	21.80	21.77	21.59	21.44	21.61	22.5	3
20	64QAM	50	50	21.76	21.75	21.52	21.42	21.61		
20	64QAM	100	0	21.87	21.84	21.67	21.46	21.69		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2547.3	2591.3	2634.3	2678.5		
15	QPSK	1	0	24.59	24.57	24.42	24.47	24.40	25.50	0
15	QPSK	1	37	24.57	24.63	24.55	24.37	24.57		
15	QPSK	1	74	24.61	24.58	24.41	24.47	24.62		
15	QPSK	36	0	23.64	23.56	23.41	23.22	23.44	24.5	1
15	QPSK	36	20	23.63	23.57	23.41	23.24	23.49		
15	QPSK	36	39	23.60	23.55	23.39	23.19	23.49		
15	QPSK	75	0	23.66	23.61	23.46	23.21	23.52	24.5	1
15	16QAM	1	0	23.67	23.55	23.46	23.21	23.40		
15	16QAM	1	37	23.70	23.68	23.55	23.29	23.57		
15	16QAM	1	74	23.60	23.57	23.38	23.20	23.58	23.5	2
15	16QAM	36	0	22.63	22.54	22.37	22.18	22.38		
15	16QAM	36	20	22.59	22.54	22.38	22.19	22.42		
15	16QAM	36	39	22.60	22.53	22.36	22.20	22.44	23.5	2
15	16QAM	75	0	22.63	22.62	22.41	22.22	22.45		
15	16QAM	1	37	22.65	22.50	22.37	22.45	22.35		
15	64QAM	1	0	22.67	22.63	22.56	22.29	22.55	23.5	2
15	64QAM	1	74	22.57	22.57	22.39	22.46	22.58		
15	64QAM	36	0	21.65	21.53	21.41	21.22	21.43		
15	64QAM	36	20	21.64	21.55	21.42	21.27	21.45	22.5	3
15	64QAM	36	39	21.62	21.59	21.39	21.19	21.48		
15	64QAM	75	0	21.63	21.60	21.42	21.24	21.48		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.56	24.61	24.51	24.32	24.55	25.50	0
10	QPSK	1	25	24.52	24.67	24.57	24.36	24.67		
10	QPSK	1	49	24.67	24.64	24.46	24.27	24.53		
10	QPSK	25	0	23.68	23.64	23.51	23.27	23.59	24.5	1
10	QPSK	25	12	23.65	23.66	23.49	23.29	23.60		
10	QPSK	25	25	23.66	23.61	23.43	23.26	23.57		
10	QPSK	50	0	23.67	23.63	23.50	23.28	23.60	24.5	1
10	16QAM	1	0	23.73	23.61	23.52	23.29	23.55		
10	16QAM	1	25	23.71	23.66	23.57	23.34	23.66		
10	16QAM	1	49	23.63	23.62	23.45	23.28	23.68	23.5	2
10	16QAM	25	0	22.68	22.67	22.50	22.31	22.58		
10	16QAM	25	12	22.67	22.64	22.47	22.32	22.59		
10	16QAM	25	25	22.65	22.61	22.45	22.27	22.58	23.5	2
10	16QAM	50	0	22.66	22.62	22.45	22.28	22.59		
10	64QAM	1	0	22.69	22.55	22.45	22.25	22.52		
10	64QAM	1	25	22.68	22.61	22.51	22.30	22.62	22.5	3
10	64QAM	1	49	22.62	22.59	22.41	22.25	22.69		
10	64QAM	25	0	21.62	21.60	21.50	21.25	21.54		
10	64QAM	25	12	21.64	21.60	21.41	21.29	21.54	22.5	3
10	64QAM	25	25	21.63	21.56	21.39	21.25	21.54		
10	64QAM	50	0	21.60	21.55	21.42	21.21	21.52		
Channel				39675	40148	40603	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.57	24.65	24.53	24.56	24.64	25.50	0
5	QPSK	1	12	24.59	24.63	24.63	24.58	24.59		
5	QPSK	1	24	24.51	24.65	24.51	24.55	24.57		
5	QPSK	12	0	23.72	23.65	23.53	23.33	23.66	24.5	1
5	QPSK	12	7	23.72	23.63	23.47	23.28	23.63		
5	QPSK	12	13	23.65	23.58	23.44	23.27	23.61		
5	QPSK	25	0	23.68	23.63	23.47	23.27	23.62	24.5	1
5	16QAM	1	0	23.74	23.67	23.54	23.31	23.62		
5	16QAM	1	12	23.74	23.70	23.59	23.35	23.72		
5	16QAM	1	24	23.67	23.66	23.52	23.28	23.69	23.5	2
5	16QAM	12	0	22.64	22.59	22.43	22.26	22.56		
5	16QAM	12	7	22.65	22.55	22.44	22.20	22.56		
5	16QAM	12	13	22.60	22.52	22.38	22.20	22.80	23.5	2
5	16QAM	25	0	22.68	22.66	22.50	22.29	22.85		
5	64QAM	1	0	22.76	22.63	22.52	22.31	22.61		
5	64QAM	1	12	22.76	22.67	22.56	22.38	22.74	22.5	3
5	64QAM	1	24	22.70	22.63	22.51	22.29	22.74		
5	64QAM	12	0	21.65	21.57	21.46	21.24	21.57		
5	64QAM	12	7	21.65	21.57	21.43	21.19	21.53	22.5	3
5	64QAM	12	13	21.56	21.55	21.36	21.18	21.56		
5	64QAM	25	0	21.65	21.58	21.45	21.24	21.57		

GSM1900 Ant1 DS12

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.31	29.34	28.97	30.00	20.31	20.34	19.97	21.00
GPRS 1 Tx slot	29.23	29.26	28.89	30.00	20.23	20.26	19.89	21.00
GPRS 2 Tx slots	28.86	28.91	28.74	29.50	22.86	22.91	22.74	23.50
GPRS 3 Tx slots	28.36	28.38	26.13	27.50	22.10	22.12	21.87	23.24
GPRS 4 Tx slots	25.26	25.28	24.93	26.00	22.26	22.28	21.93	23.00
EDGE 1 Tx slot	25.39	25.31	25.32	25.50	16.39	16.31	16.32	16.50
EDGE 2 Tx slots	24.38	24.33	24.33	24.50	18.38	18.33	18.33	18.50
EDGE 3 Tx slots	22.39	22.32	22.42	22.50	18.13	18.06	18.16	18.24
EDGE 4 Tx slots	21.37	21.46	21.23	21.50	18.37	18.46	18.23	18.50

WCDMA II Ant1 DS12

WCDMA IV Ant1 DS12

Band TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps	22.29	22.41	22.35	23.50	24.69	24.72	24.75	25.50
3GPP Rel 99 RMC 12.2Kbps	22.30	22.43	22.37	23.50	24.78	24.85	24.83	25.50
3GPP Rel 6 HSDPA Subtest-1	21.40	21.50	21.34	22.50	23.93	23.94	23.81	24.50
3GPP Rel 6 HSDPA Subtest-2	21.36	21.62	21.57	22.50	23.81	23.84	23.87	24.50
3GPP Rel 6 HSDPA Subtest-3	20.99	20.95	20.91	22.00	23.26	23.43	23.44	24.00
3GPP Rel 6 HSDPA Subtest-4	20.86	20.91	20.85	22.00	23.28	23.49	23.28	24.00
3GPP Rel 8 DC-HSDPA Subtest-1	21.48	21.44	21.46	22.50	23.85	23.81	23.91	24.50
3GPP Rel 8 DC-HSDPA Subtest-2	21.42	21.51	21.51	22.50	23.88	23.85	23.98	24.50
3GPP Rel 8 DC-HSDPA Subtest-3	20.99	21.10	21.02	22.00	23.37	23.36	23.36	24.00
3GPP Rel 8 DC-HSDPA Subtest-4	20.96	20.98	20.90	22.00	23.28	23.39	23.48	24.00
3GPP Rel 6 HSUPA Subtest-1	21.45	21.58	21.56	22.50	23.83	23.90	23.95	24.50
3GPP Rel 6 HSUPA Subtest-2	19.37	19.53	19.35	20.50	21.85	21.81	21.97	22.50
3GPP Rel 6 HSUPA Subtest-3	20.46	20.59	20.45	21.50	22.73	22.81	23.00	23.50
3GPP Rel 6 HSUPA Subtest-4	19.45	19.54	19.45	20.50	21.79	21.82	21.98	22.50
3GPP Rel 6 HSUPA Subtest-5	21.45	21.55	21.34	22.50	23.76	23.84	23.97	24.50



Band 2 Ant1 DS2I									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.30	22.42	22.26	23.5	0	
20	QPSK	1	49	22.17	22.28	22.17			
20	QPSK	1	99	22.24	22.32	22.12			
20	QPSK	50	0	21.29	21.52	21.32	22.5	1	
20	QPSK	50	24	21.17	21.38	21.23			
20	QPSK	50	50	21.21	21.43	21.27			
20	QPSK	100	0	21.26	21.41	21.22	22.5	1	
20	16QAM	1	0	21.32	21.45	21.21			
20	16QAM	1	49	21.18	21.28	21.20			
20	16QAM	1	99	21.24	21.34	21.09	22.5	1	
20	16QAM	50	0	20.28	20.51	20.31			
20	16QAM	50	24	20.18	20.36	20.25			
20	16QAM	50	50	20.20	20.42	20.27	21.5	2	
20	16QAM	100	0	20.23	20.45	20.17			
20	64QAM	1	0	20.32	20.42	20.24			
20	64QAM	1	49	20.18	20.30	20.16	21.5	2	
20	64QAM	1	99	20.25	20.37	20.09			
20	64QAM	50	0	19.30	19.55	19.31			
20	64QAM	50	24	19.21	19.33	19.30	20.5	3	
20	64QAM	50	50	19.16	19.44	19.28			
20	64QAM	100	0	19.25	19.41	19.18			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.17	22.37	22.14	23.5	0	
15	QPSK	1	37	22.05	22.16	22.10			
15	QPSK	1	74	22.12	22.19	22.05			
15	QPSK	36	0	21.16	21.39	21.25	22.5	1	
15	QPSK	36	20	21.05	21.24	21.09			
15	QPSK	36	39	21.09	21.32	21.13			
15	QPSK	75	0	21.20	21.27	21.07	22.5	1	
15	16QAM	1	0	21.18	21.35	21.08			
15	16QAM	1	37	21.11	21.21	21.11			
15	16QAM	1	74	21.15	21.22	21.02	22.5	1	
15	16QAM	36	0	20.13	20.39	20.21			
15	16QAM	36	20	20.07	20.28	20.14			
15	16QAM	36	39	20.10	20.33	20.17	21.5	2	
15	16QAM	75	0	20.10	20.37	20.07			
15	64QAM	1	0	20.26	20.32	20.15			
15	64QAM	1	37	20.10	20.25	20.10	21.5	2	
15	64QAM	1	74	20.13	20.22	20.06			
15	64QAM	36	0	19.20	19.47	19.17			
15	64QAM	36	20	19.13	19.23	19.19	20.5	3	
15	64QAM	36	39	19.02	19.29	19.21			
15	64QAM	75	0	19.19	19.28	19.17			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.21	22.32	22.17	23.5	0	
10	QPSK	1	25	22.03	22.17	22.08			
10	QPSK	1	49	22.13	22.19	22.09			
10	QPSK	25	0	21.15	21.46	21.21	22.5	1	
10	QPSK	25	12	21.09	21.25	21.13			
10	QPSK	25	25	21.09	21.31	21.18			
10	QPSK	50	0	21.14	21.32	21.14	22.5	1	
10	16QAM	1	0	21.21	21.38	21.13			
10	16QAM	1	25	21.13	21.14	21.14			
10	16QAM	1	49	21.19	21.21	21.05	21.5	2	
10	16QAM	25	0	20.15	20.38	20.16			
10	16QAM	25	12	20.09	20.31	20.14			
10	16QAM	25	25	20.08	20.31	20.14	21.5	2	
10	16QAM	50	0	20.14	20.34	20.10			
10	64QAM	1	0	20.22	20.37	20.13			
10	64QAM	1	25	20.04	20.19	20.10	21.5	2	
10	64QAM	1	49	20.14	20.28	20.06			
10	64QAM	25	0	19.20	19.36	19.25			
10	64QAM	25	12	19.08	19.21	19.22	20.5	3	
10	64QAM	25	25	19.10	19.37	19.17			
10	64QAM	50	0	19.13	19.33	19.07			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.19	22.29	22.15	23.5	0	
5	QPSK	1	12	22.07	22.15	22.04			
5	QPSK	1	24	22.11	22.22	22.02			
5	QPSK	12	0	21.19	21.44	21.18	22.5	1	
5	QPSK	12	7	21.22	21.30	21.15			
5	QPSK	12	13	21.14	21.36	21.21			
5	QPSK	25	0	21.17	21.29	21.10	22.5	1	
5	16QAM	1	0	21.22	21.38	21.11			
5	16QAM	1	12	21.11	21.13	21.09			
5	16QAM	1	24	21.17	21.21	21.04	21.5	2	
5	16QAM	12	0	20.21	20.40	20.26			
5	16QAM	12	7	20.07	20.25	20.13			
5	16QAM	12	13	20.12	20.33	20.19	21.5	2	
5	16QAM	25	0	20.09	20.33	20.09			
5	64QAM	1	0	20.25	20.32	20.16			
5	64QAM	1	12	20.07	20.20	20.04	21.5	2	
5	64QAM	1	24	20.14	20.29	20.01			
5	64QAM	12	0	19.22	19.39	19.26			
5	64QAM	12	7	19.17	19.24	19.25	20.5	3	
5	64QAM	12	13	19.08	19.34	19.15			
5	64QAM	25	0	19.15	19.30	19.09			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.20	22.28	22.21	23.5	0	
3	QPSK	1	8	22.06	22.21	22.11			
3	QPSK	1	14	22.17	22.22	22.01			
3	QPSK	8	0	21.18	21.38	21.23	22.5	1	
3	QPSK	8	4	21.05	21.32	21.15			
3	QPSK	8	7	21.13	21.37	21.25			
3	QPSK	15	0	21.11	21.34	21.16	22.5	1	
3	16QAM	1	0	21.19	21.39	21.21			
3	16QAM	1	8	21.13	21.22	21.11			
3	16QAM	1	14	21.14	21.26	21.19	21.5	2	
3	16QAM	8	0	20.16	20.45	20.21			
3	16QAM	8	4	20.12	20.22	20.19			
3	16QAM	8	7	20.12	20.31	20.16	21.5	2	
3	16QAM	15	0	20.11	20.32	20.09			
3	64QAM	1	0	20.25	20.29	20.14			
3	64QAM	1	8	20.10	20.20	20.06	21.5	2	
3	64QAM	1	14	20.18	20.31	20.01			
3	64QAM	8	0	19.21	19.42	19.21			
3	64QAM	8	4	19.07	19.21	19.16	20.5	3	
3	64QAM	8	7	19.10	19.35	19.14			
3	64QAM	15	0	19.16	19.34	19.07			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.14	22.26	22.11	23.5	0	
1.4	QPSK	1	3	22.05	22.14	22.03			
1.4	QPSK	1	5	22.14	22.15	22.09			
1.4	QPSK	3	0	22.21	22.23	22.21	22.5	1	
1.4	QPSK	3	1	22.09	22.23	22.14			
1.4	QPSK	3	3	22.08	22.28	22.12			
1.4	QPSK	6	0	21.13	21.25	21.06	22.5	1	
1.4	16QAM	1	0	21.20	21.36	21.08			
1.4	16QAM	1	3	21.03	21.18	21.11			
1.4	16QAM	1	5	21.16	21.14	21.06	22.5	1	
1.4	16QAM	3	0	21.19	21.34	21.19			
1.4	16QAM	3	1	21.05	21.21	21.17			
1.4	16QAM	3	3	21.03	21.26	21.14	21.5	2	
1.4	16QAM	6	0	20.11	20.36	20.05			
1.4	16QAM	1	3	20.04	20.28	20.03			
1.4	64QAM	1	3	20.09	20.36	20.08	21.5	2	
1.4	64QAM	3	0	20.20	20.41	20.15			
1.4	64QAM	3	1	20.11	20.17	20.19			
1.4	64QAM	3	3	20.02	20.33	20.16	20.5	3	
1.4	64QAM	6	0	19.15	19.29	19.06			

GSM1900 Ant2 DS12

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	28.50	1850.2	1880	1909.8	19.50
Frequency (MHz)	1850.2	1880	1909.8	28.50	1850.2	1880	1909.8	19.50
GSM 1 Tx slot	28.18	28.25	28.22	28.50	19.18	19.25	19.22	19.50
GPRS 1 Tx slot	28.15	28.12	28.24	28.50	19.15	19.12	19.24	19.50
GPRS 2 Tx slots	27.70	27.82	27.81	28.00	21.70	21.82	21.81	22.00
GPRS 3 Tx slots	25.47	25.32	25.42	26.00	21.21	21.06	21.16	21.74
GPRS 4 Tx slots	24.30	24.35	24.26	25.00	21.30	21.35	21.26	22.00
EDGE 1 Tx slot	24.21	24.32	24.29	24.50	15.21	15.32	15.29	15.50
EDGE 2 Tx slots	23.22	23.38	23.35	23.50	17.22	17.38	17.35	17.50
EDGE 3 Tx slots	20.77	20.88	20.91	21.00	16.51	16.62	16.65	16.74
EDGE 4 Tx slots	19.79	19.69	19.97	20.00	16.79	16.69	16.97	17.00

WCDMA IV Ant2 DS12

Band		WCDMA IV			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.07	23.39	23.26	24.50
3GPP Rel 99	RMC 12.2Kbps	23.16	23.50	23.42	24.50
3GPP Rel 6	HSDPA Subtest-1	22.19	22.26	22.40	23.50
3GPP Rel 6	HSDPA Subtest-2	22.16	22.26	22.42	23.50
3GPP Rel 6	HSDPA Subtest-3	21.88	21.97	21.98	23.00
3GPP Rel 6	HSDPA Subtest-4	21.83	21.94	21.90	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.02	22.09	22.25	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.95	22.03	22.14	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.70	21.71	21.80	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.67	21.71	21.79	23.00
3GPP Rel 6	HSUPA Subtest-1	22.33	22.46	22.60	23.50
3GPP Rel 6	HSUPA Subtest-2	20.31	20.44	20.55	21.50
3GPP Rel 6	HSUPA Subtest-3	21.36	21.47	21.62	22.50
3GPP Rel 6	HSUPA Subtest-4	19.87	20.00	20.12	21.50
3GPP Rel 6	HSUPA Subtest-5	22.30	22.40	22.50	23.50



Band 4 Ant2 DS2I									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.25	23.33	23.30	24.5	0	
20	QPSK	1	49	23.24	23.32	23.24			
20	QPSK	1	99	23.12	23.14	23.19			
20	QPSK	50	0	22.27	22.53	22.46	23.5	1	
20	QPSK	50	24	22.32	22.39	22.50			
20	QPSK	50	50	22.36	22.36	22.52			
20	QPSK	100	0	22.58	22.59	22.53	23.5	1	
20	16QAM	1	0	22.85	22.98	23.14			
20	16QAM	1	49	23.07	23.18	23.30			
20	16QAM	1	99	22.93	23.02	23.17	22.5	1	
20	16QAM	50	0	21.23	21.30	21.52			
20	16QAM	50	24	21.30	21.39	21.48			
20	16QAM	50	50	21.23	21.28	21.48	22.5	2	
20	16QAM	100	0	21.17	21.27	21.50			
20	64QAM	1	0	21.29	21.26	21.41			
20	64QAM	1	49	21.30	21.39	21.57	22.5	2	
20	64QAM	1	99	21.27	21.34	21.65			
20	64QAM	50	0	19.97	20.25	20.29			
20	64QAM	50	24	20.01	20.11	20.22	21.5	3	
20	64QAM	50	50	19.97	20.12	20.29			
20	64QAM	100	0	20.09	20.23	20.22			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.02	23.05	23.06	24.5	0	
15	QPSK	1	37	23.10	23.06	23.04			
15	QPSK	1	74	22.92	23.05	23.10			
15	QPSK	36	0	22.08	22.09	22.30	23.5	1	
15	QPSK	36	20	22.06	22.14	22.35			
15	QPSK	36	39	22.01	22.10	22.31			
15	QPSK	75	0	22.03	22.16	22.23	23.5	1	
15	16QAM	1	0	21.75	22.02	22.13			
15	16QAM	1	37	21.77	22.11	22.17			
15	16QAM	1	74	21.72	22.03	22.16	22.5	2	
15	16QAM	36	0	21.08	21.11	21.23			
15	16QAM	36	20	21.07	21.14	21.26			
15	16QAM	36	39	21.00	21.12	21.27	22.5	2	
15	16QAM	75	0	21.04	21.09	21.23			
15	64QAM	1	0	20.93	20.97	21.17			
15	64QAM	1	37	20.91	21.15	21.23	22.5	2	
15	64QAM	1	74	20.91	21.04	21.27			
15	64QAM	36	0	20.02	20.17	20.26			
15	64QAM	36	20	20.04	20.24	20.32	21.5	3	
15	64QAM	36	39	20.07	20.18	20.29			
15	64QAM	75	0	20.02	20.10	20.26			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.77	23.01	23.01	24.5	0	
10	QPSK	1	25	22.96	23.03	23.21			
10	QPSK	1	49	22.85	22.94	23.23			
10	QPSK	25	0	21.79	21.98	22.19	23.5	1	
10	QPSK	25	12	21.89	21.94	22.19			
10	QPSK	25	25	21.84	21.96	22.19			
10	QPSK	50	0	21.87	22.05	22.17	23.5	1	
10	16QAM	1	0	21.85	21.97	21.99			
10	16QAM	1	25	21.93	22.06	22.16			
10	16QAM	1	49	21.89	21.94	22.11	22.5	2	
10	16QAM	25	0	20.84	20.95	21.13			
10	16QAM	25	12	20.84	20.91	21.07			
10	16QAM	25	25	20.78	20.90	21.18	22.5	2	
10	16QAM	50	0	20.84	20.97	21.14			
10	64QAM	1	0	20.87	20.98	20.81			
10	64QAM	1	25	20.97	21.07	21.20	22.5	2	
10	64QAM	1	49	20.87	20.98	20.92			
10	64QAM	25	0	19.80	19.92	20.08			
10	64QAM	25	12	19.80	19.92	20.10	21.5	3	
10	64QAM	25	25	19.82	19.90	20.16			
10	64QAM	50	0	19.82	19.88	20.09			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.91	23.04	23.23	24.5	0	
5	QPSK	1	12	23.04	22.98	23.22			
5	QPSK	1	24	22.92	23.03	23.14			
5	QPSK	12	0	21.67	21.85	22.04	23.5	1	
5	QPSK	12	7	21.70	21.78	22.00			
5	QPSK	12	13	21.65	21.75	21.92			
5	QPSK	25	0	21.68	21.83	22.01	23.5	1	
5	16QAM	1	0	21.86	21.78	21.92			
5	16QAM	1	12	21.78	21.77	22.02			
5	16QAM	1	24	21.79	21.75	21.94	22.5	2	
5	16QAM	12	0	20.69	20.83	21.01			
5	16QAM	12	7	20.68	20.74	20.99			
5	16QAM	12	13	20.63	20.75	20.96	22.5	2	
5	16QAM	25	0	20.70	20.88	21.06			
5	64QAM	1	0	20.75	20.97	21.18			
5	64QAM	1	12	20.81	20.98	21.12	22.5	2	
5	64QAM	1	24	20.79	20.99	21.20			
5	64QAM	12	0	19.75	20.02	20.18			
5	64QAM	12	7	19.85	20.03	20.16	21.5	3	
5	64QAM	12	13	19.70	20.04	20.13			
5	64QAM	25	0	19.75	19.99	20.17			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.81	22.90	23.14	24.5	0	
3	QPSK	1	8	22.86	22.97	23.15			
3	QPSK	1	14	22.99	22.94	23.14			
3	QPSK	8	0	21.80	21.87	22.11	23.5	1	
3	QPSK	8	4	21.75	21.93	22.13			
3	QPSK	8	7	21.77	21.85	22.07			
3	QPSK	15	0	21.64	21.84	22.07	23.5	1	
3	16QAM	1	0	21.71	21.90	22.06			
3	16QAM	1	8	21.77	21.81	22.04			
3	16QAM	1	14	21.67	21.84	22.07	22.5	2	
3	16QAM	8	0	20.72	20.88	20.99			
3	16QAM	8	4	20.72	20.80	20.99			
3	16QAM	8	7	20.70	20.82	21.04	22.5	2	
3	16QAM	15	0	20.60	20.77	21.01			
3	64QAM	1	0	20.65	20.84	20.95			
3	64QAM	1	8	20.58	20.77	20.99	22.5	2	
3	64QAM	1	14	20.63	20.80	21.01			
3	64QAM	8	0	19.71	19.86	20.05			
3	64QAM	8	4	19.72	19.81	20.08	21.5	3	
3	64QAM	8	7	19.60	19.80	20.07			
3	64QAM	15	0	19.53	19.76	19.91			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.92	23.08	23.15	24.5	0	
1.4	QPSK	1	3	22.97	23.16	23.29			
1.4	QPSK	1	5	22.97	23.13	23.16			
1.4	QPSK	3	0	23.00	23.09	23.29	23.5	1	
1.4	QPSK	3	1	22.93	23.13	23.27			
1.4	QPSK	3	3	22.88	23.01	23.30			
1.4	QPSK	6	0	21.84	22.02	22.26	23.5	1	
1.4	16QAM	1	0	21.84	22.04	22.26			
1.4	16QAM	1	3	21.90	22.07	22.28			
1.4	16QAM	1	5	22.03	22.12	22.27	23.5	1	
1.4	16QAM	3	0	21.82	21.89	22.21			
1.4	16QAM	3	1	21.86	21.97	22.21			
1.4	16QAM	3	3	21.80	21.91	22.25	22.5	2	
1.4	16QAM	6	0	20.84	21.04	21.25			
1.4	16QAM	1	0	20.86	21.04	21.20			
1.4	64QAM	1	0	20.86	20.96	21.22	22.5	2	
1.4	64QAM	1	3	20.86	21.06	21.22			
1.4	64QAM	3	0	20.88	21.06	21.24			
1.4	64QAM	3	1	20.94	21.06	21.30	21.5	3	
1.4	64QAM	3	3	20.83	20.98	21.20			
1.4	64QAM	6	0	19.84	20.03	20.15			

Band 38 Ant2 DS12									
BW [MHz]	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	24.33	24.57	24.37			
20	QPSK	1	49	24.53	24.36	24.54	25.5	0	
20	QPSK	1	99	24.30	24.34	24.29			
20	QPSK	50	0	23.48	23.49	23.46			
20	QPSK	50	24	23.39	23.47	23.47	24.5	1	
20	QPSK	50	50	23.38	23.40	23.33			
20	QPSK	100	0	23.41	23.42	23.41			
20	16QAM	1	0	23.39	23.45	23.45			
20	16QAM	1	49	23.62	23.59	23.59			
20	16QAM	1	99	23.42	23.43	23.36	24.5	1	
20	16QAM	50	0	22.52	22.56	22.59			
20	16QAM	50	24	22.53	22.53	22.55			
20	16QAM	50	50	22.59	22.59	22.54			
20	16QAM	100	0	22.54	22.51	22.53			
20	64QAM	1	0	22.56	22.59	22.51			
20	64QAM	1	49	22.63	22.61	22.54			
20	64QAM	1	99	22.44	22.44	22.41			
20	64QAM	50	0	21.52	21.53	21.49			
20	64QAM	50	24	21.51	21.51	21.45			
20	64QAM	50	50	21.40	21.42	21.41			
20	64QAM	100	0	21.49	21.46	21.43	22.5	3	
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	24.25	24.32	24.32			
15	QPSK	1	37	24.44	24.51	24.50			
15	QPSK	1	74	24.23	24.32	24.26	25.5	0	
15	QPSK	36	0	23.48	23.47	23.38			
15	QPSK	36	20	23.44	23.37	23.38			
15	QPSK	36	39	23.30	23.40	23.32	24.5	1	
15	QPSK	75	0	23.39	23.37	23.34			
15	16QAM	1	0	23.34	23.38	23.38			
15	16QAM	1	37	23.59	23.54	23.56			
15	16QAM	1	74	23.41	23.40	23.35			
15	16QAM	36	0	22.49	22.50	22.40			
15	16QAM	36	20	22.52	22.49	22.41			
15	16QAM	36	39	22.48	22.49	22.34			
15	16QAM	75	0	22.47	22.46	22.35			
15	64QAM	1	0	22.42	22.48	22.33			
15	64QAM	1	37	22.55	22.59	22.49			
15	64QAM	1	74	22.39	22.36	22.32			
15	64QAM	36	0	21.48	21.49	21.43			
15	64QAM	36	20	21.48	21.50	21.36			
15	64QAM	36	39	21.37	21.36	21.35			
15	64QAM	75	0	21.42	21.42	21.35	22.5	3	
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.26	24.26	24.33			
10	QPSK	1	25	24.49	24.51	24.44			
10	QPSK	1	49	24.20	24.27	24.23			
10	QPSK	25	0	23.42	23.39	23.37			
10	QPSK	25	12	23.39	23.41	23.42			
10	QPSK	25	25	23.32	23.32	23.29			
10	QPSK	50	0	23.38	23.32	23.37			
10	16QAM	1	0	23.32	23.34	23.36			
10	16QAM	1	25	23.53	23.48	23.56			
10	16QAM	1	49	23.34	23.38	23.27			
10	16QAM	25	0	22.48	22.47	22.46			
10	16QAM	25	12	22.49	22.46	22.42			
10	16QAM	25	25	22.41	22.38	22.37			
10	16QAM	50	0	22.47	22.42	22.32			
10	64QAM	1	0	22.43	22.39	22.32			
10	64QAM	1	25	22.54	22.58	22.51			
10	64QAM	1	49	22.41	22.38	22.35			
10	64QAM	25	0	21.42	21.45	21.39			
10	64QAM	25	12	21.46	21.46	21.36			
10	64QAM	25	25	21.35	21.34	21.35			
10	64QAM	50	0	21.44	21.39	21.33	22.5	3	
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.28	24.32	24.27			
5	QPSK	1	12	24.43	24.47	24.48			
5	QPSK	1	24	24.23	24.30	24.25			
5	QPSK	12	0	23.40	23.43	23.42			
5	QPSK	12	7	23.41	23.39	23.41			
5	QPSK	12	13	23.33	23.33	23.23			
5	QPSK	25	0	23.37	23.36	23.34			
5	16QAM	1	0	23.31	23.34	23.38			
5	16QAM	1	12	23.56	23.55	23.48			
5	16QAM	1	24	23.36	23.34	23.30			
5	16QAM	12	0	22.43	22.51	22.42			
5	16QAM	12	7	22.43	22.50	22.35			
5	16QAM	12	13	22.39	22.43	22.40			
5	16QAM	25	0	22.47	22.41	22.33			
5	64QAM	1	0	22.40	22.41	22.34			
5	64QAM	1	12	22.57	22.55	22.47			
5	64QAM	1	24	22.36	22.37	22.31			
5	64QAM	12	0	21.44	21.44	21.39			
5	64QAM	12	7	21.41	21.41	21.42			
5	64QAM	12	13	21.33	21.34	21.33			
5	64QAM	25	0	21.43	21.37	21.39	22.5	3	

Band 41 Ant2 DS12										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.52	24.62	24.68	24.53	24.54	25.5	0
20	QPSK	1	49	24.59	24.67	24.63	24.59	24.59		
20	QPSK	1	99	24.37	24.44	24.52	24.39	24.34		
20	QPSK	50	0	23.56	23.63	23.68	23.54	23.56	24.5	1
20	QPSK	50	24	23.52	23.58	23.65	23.50	23.46		
20	QPSK	50	50	23.54	23.52	23.59	23.52	23.52		
20	QPSK	100	0	23.52	23.56	23.63	23.47	23.49	23.5	2
20	16QAM	1	0	23.54	23.62	23.66	23.55	23.56		
20	16QAM	1	49	23.63	23.72	23.75	23.60	23.65		
20	16QAM	1	99	23.54	23.56	23.60	23.51	23.48	23.5	1
20	16QAM	50	0	22.64	22.70	22.76	22.64	22.62		
20	16QAM	50	24	22.58	22.63	22.71	22.58	22.59		
20	16QAM	50	50	22.54	22.59	22.68	22.57	22.59	23.5	2
20	16QAM	100	0	22.64	22.67	22.74	22.56	22.56		
20	64QAM	1	0	22.59	22.65	22.69	22.56	22.58		
20	64QAM	1	49	22.69	22.73	22.79	22.61	22.68	23.5	2
20	64QAM	1	99	22.52	22.59	22.65	22.55	22.52		
20	64QAM	50	0	21.62	21.71	21.78	21.62	21.65		
20	64QAM	50	24	21.62	21.66	21.75	21.61	21.60	22.5	3
20	64QAM	50	50	21.53	21.62	21.69	21.57	21.55		
20	64QAM	100	0	21.59	21.65	21.73	21.61	21.56		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.5	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	24.40	24.49	24.60	24.44	24.44	25.50	0
15	QPSK	1	37	24.50	24.59	24.60	24.52	24.46		
15	QPSK	1	74	24.31	24.34	24.43	24.29	24.28		
15	QPSK	36	0	23.48	23.55	23.59	23.41	23.49	24.5	1
15	QPSK	36	20	23.45	23.49	23.53	23.39	23.38		
15	QPSK	36	39	23.31	23.45	23.47	23.31	23.28		
15	QPSK	75	0	23.40	23.46	23.51	23.36	23.41	24.5	1
15	16QAM	1	0	23.41	23.53	23.55	23.46	23.50		
15	16QAM	1	37	23.51	23.58	23.69	23.48	23.53		
15	16QAM	1	74	23.44	23.47	23.47	23.41	23.37	23.5	2
15	16QAM	36	0	22.56	22.59	22.63	22.52	22.56		
15	16QAM	36	20	22.45	22.53	22.59	22.50	22.46		
15	16QAM	36	39	22.45	22.47	22.61	22.35	22.35	23.5	2
15	16QAM	75	0	22.55	22.56	22.67	22.49	22.47		
15	16QAM	1	0	22.49	22.53	22.58	22.44	22.47		
15	64QAM	1	37	22.60	22.60	22.73	22.51	22.57	23.5	2
15	64QAM	1	74	22.40	22.49	22.54	22.42	22.41		
15	64QAM	36	0	21.50	21.64	21.71	21.53	21.52		
15	64QAM	36	20	21.54	21.54	21.63	21.48	21.48	22.5	3
15	64QAM	36	39	21.41	21.50	21.55	21.46	21.45		
15	64QAM	75	0	21.45	21.52	21.66	21.54	21.43		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	24.44	24.51	24.61	24.39	24.46	25.50	0
10	QPSK	1	25	24.46	24.52	24.60	24.48	24.44		
10	QPSK	1	49	24.25	24.28	24.46	24.30	24.24		
10	QPSK	25	0	23.45	23.48	23.61	23.42	23.40	24.5	1
10	QPSK	25	12	23.37	23.50	23.57	23.38	23.34		
10	QPSK	25	25	23.38	23.45	23.44	23.31	23.36		
10	QPSK	50	0	23.46	23.41	23.56	23.40	23.39	24.5	1
10	16QAM	1	0	23.45	23.49	23.57	23.42	23.41		
10	16QAM	1	25	23.49	23.59	23.68	23.47	23.58		
10	16QAM	1	49	23.40	23.47	23.50	23.41	23.35	23.5	2
10	16QAM	25	0	22.56	22.63	22.65	22.53	22.47		
10	16QAM	25	12	22.48	22.52	22.64	22.51	22.47		
10	16QAM	25	25	22.46	22.50	22.60	22.38	22.36	23.5	2
10	16QAM	50	0	22.54	22.60	22.60	22.46	22.44		
10	64QAM	1	0	22.52	22.52	22.61	22.46	22.47		
10	64QAM	1	25	22.53	22.63	22.67	22.50	22.52	23.5	2
10	64QAM	1	49	22.39	22.47	22.56	22.47	22.36		
10	64QAM	25	0	21.50	21.63	21.70	21.47	21.59		
10	64QAM	25	12	21.53	21.54	21.65	21.48	21.44	22.5	3
10	64QAM	25	25	21.45	21.47	21.58	21.48	21.45		
10	64QAM	50	0	21.49	21.52	21.58	21.45	21.46		
Channel				39675	40148	40603	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	24.43	24.50	24.57	24.45	24.43	25.50	0
5	QPSK	1	12	24.49	24.57	24.62	24.47	24.48		
5	QPSK	1	24	24.30	24.37	24.43	24.29	24.27		
5	QPSK	12	0	23.46	23.51	23.58	23.43	23.50	24.5	1
5	QPSK	12	7	23.42	23.51	23.58	23.42	23.36		
5	QPSK	12	13	23.33	23.42	23.52	23.36	23.34		
5	QPSK	25	0	23.45	23.44	23.54	23.37	23.40	24.5	1
5	16QAM	1	0	23.44	23.53	23.57	23.44	23.48		
5	16QAM	1	12	23.54	23.64	23.64	23.49	23.58		
5	16QAM	1	24	23.47	23.50	23.52	23.42	23.37	23.5	2
5	16QAM	12	0	22.53	22.59	22.69	22.54	22.52		
5	16QAM	12	7	22.47	22.55	22.65	22.47	22.51		
5	16QAM	12	13	22.48	22.47	22.61	22.40	22.41	23.5	2
5	16QAM	25	0	22.57	22.60	22.65	22.46	22.48		
5	64QAM	1	12	22.63	22.65	22.72	22.53	22.59		
5	64QAM	1	24	22.43	22.50	22.56	22.44	22.41	22.5	3
5	64QAM	12	0	21.51	21.62	21.71	21.52	21.53		
5	64QAM	12	7	21.53	21.56	21.65	21.52	21.54		
5	64QAM	12	13	21.46	21.51	21.61	21.48	21.45	22.5	3
5	64QAM	25	0	21.50	21.58	21.63	21.49	21.47		

GSM850 Ant4 DS12							
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		Tune-up Limit (dBm)
	128	169	251		128	169	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	
GSM 1 Tx slot	32.84	32.85	32.88	33.50	23.84	23.85	23.88
GPRS 1 Tx slot	32.84	32.88	32.83	33.50	23.84	23.88	23.83
GPRS 2 Tx slots	31.54	31.56	31.53	32.50	25.54	25.56	25.53
GPRS 3 Tx slots	29.52	29.55	29.52	30.50	25.26	25.29	25.26
GPRS 4 Tx slots	28.43	28.44	28.42	29.50	25.43	25.44	25.42
EDGE 1 Tx slot	26.44	26.66	26.64	27.50	17.44	17.66	17.64
EDGE 2 Tx slots	25.46	25.47	25.43	25.50	19.46	19.47	19.43
EDGE 3 Tx slots	23.43	23.67	23.55	24.00	19.17	19.41	19.29
EDGE 4 Tx slots	22.27	22.50	22.30	23.50	19.27	19.50	19.30

		GSM1900 Ant4 DS12						
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	1850.2	1880	1909.8		
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8		
GSM 1 Tx slot	28.04	28.09	28.03	29.00	19.04	19.09	19.03	20.00
GPRS 1 Tx slot	28.02	28.06	28.01	29.00	19.02	19.06	19.01	20.00
GPRS 2 Tx slots	27.75	27.88	27.83	28.50	21.75	21.88	21.83	22.50
GPRS 3 Tx slots	25.19	25.16	25.39	25.50	20.93	20.90	21.13	21.24
GPRS 4 Tx slots	23.98	24.01	24.28	24.50	20.98	21.01	21.28	21.50
EDGE 1 Tx slot	24.08	24.19	24.36	24.50	15.08	15.19	15.36	15.50
EDGE 2 Tx slots	22.98	23.22	23.32	23.50	16.98	17.22	17.32	17.50
EDGE 3 Tx slots	20.99	21.06	21.27	21.50	16.73	16.80	17.01	17.24
EDGE 4 Tx slots	19.76	19.95	20.03	20.50	16.76	16.95	17.03	17.50

		WCDMA II Ant4 DS12					WCDMA IV Ant4 DS12					WCDMA V Ant4 DS12				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)			
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233				
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458				
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	23.92	23.98	23.87	25.50	23.21	23.35	23.27	24.50	23.41	23.55	23.48	24.50			
3GPP Rel 99	RMC 12.2Kbps	24.05	24.11	24.01	25.50	23.22	23.39	23.29	24.50	23.45	23.57	23.51	24.50			
3GPP Rel 6	HSDPA Subtest-1	23.00	23.20	23.11	24.50	22.27	22.29	22.37	23.50	23.44	23.04	23.06	23.50			
3GPP Rel 6	HSDPA Subtest-2	23.16	23.27	23.02	24.50	22.29	22.30	22.37	23.50	22.46	22.55	22.60	23.50			
3GPP Rel 6	HSDPA Subtest-3	22.65	22.66	22.71	24.00	21.97	22.01	21.90	23.00	22.42	22.52	22.59	23.00			
3GPP Rel 6	HSDPA Subtest-4	22.53	22.56	22.49	24.00	21.98	21.98	21.87	23.00	22.00	22.03	22.11	23.00			
3GPP Rel 8	DC-HSDPA Subtest-1	23.24	23.29	23.05	24.50	22.16	22.11	22.28	23.50	23.32	23.35	23.40	23.50			
3GPP Rel 8	DC-HSDPA Subtest-2	23.08	23.09	23.12	24.50	22.21	22.20	22.13	23.50	22.23	22.44	22.42	23.50			
3GPP Rel 8	DC-HSDPA Subtest-3	22.57	22.59	22.70	24.00	21.92	21.84	21.68	23.00	22.19	22.32	22.51	23.00			
3GPP Rel 8	DC-HSDPA Subtest-4	22.52	22.68	22.60	24.00	21.74	21.78	21.77	23.00	21.94	21.96	22.06	23.00			
3GPP Rel 6	HSUPA Subtest-1	23.06	23.16	23.04	24.50	22.44	22.47	22.58	23.50	20.40	20.53	20.52	23.50			
3GPP Rel 6	HSUPA Subtest-2	21.16	21.08	21.11	22.50	20.42	20.44	20.55	21.50	20.43	20.50	20.53	21.50			
3GPP Rel 6	HSUPA Subtest-3	22.14	22.31	22.00	23.50	21.52	21.50	21.62	22.50	21.46	21.52	21.56	22.50			
3GPP Rel 6	HSUPA Subtest-4	21.23	21.13	21.18	22.50	20.01	20.02	20.11	21.50	20.00	20.10	20.14	21.50			
3GPP Rel 6	HSUPA Subtest-5	23.24	23.29	23.21	24.50	22.40	22.40	22.50	23.50	21.40	21.50	21.50	23.50			



Band 2 Ant4 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.30	24.36	24.24	25.5	0	
20	QPSK	1	49	24.32	24.38	24.19			
20	QPSK	1	99	24.23	24.31	24.22			
20	QPSK	50	0	23.21	23.32	23.24			
20	QPSK	50	24	23.25	23.22	23.18	24.5	1	
20	QPSK	50	50	23.21	23.26	23.10			
20	QPSK	100	0	23.26	23.31	23.20			
20	16QAM	1	0	23.19	23.27	23.55			
20	16QAM	1	49	23.28	23.28	23.56	24.5	1	
20	16QAM	1	99	23.17	23.62	23.42			
20	16QAM	50	0	22.27	22.21	22.24			
20	16QAM	50	24	22.24	22.12	22.11			
20	16QAM	50	50	22.13	22.25	22.01	23.5	2	
20	16QAM	100	0	22.26	22.35	22.24			
20	64QAM	1	0	22.26	22.49	22.42			
20	64QAM	1	49	22.38	22.49	22.27			
20	64QAM	1	99	23.33	23.45	23.34	23.5	2	
20	64QAM	50	0	21.43	21.35	21.42			
20	64QAM	50	24	21.41	21.33	21.17			
20	64QAM	50	50	21.32	21.42	21.27			
20	64QAM	100	0	21.48	21.33	21.41	22.5	3	
Channel									
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	24.19	24.33	24.23	25.5	0	
15	QPSK	1	37	24.26	24.27	24.22			
15	QPSK	1	74	24.27	24.28	24.21			
15	QPSK	36	0	23.20	23.22	23.19			
15	QPSK	36	20	23.26	23.18	23.19	24.5	1	
15	QPSK	36	39	23.20	23.22	23.19			
15	QPSK	75	0	23.24	23.19	23.28			
15	16QAM	1	0	23.26	23.24	23.14			
15	16QAM	1	37	23.25	23.27	23.15	24.5	1	
15	16QAM	1	74	23.26	23.25	23.22			
15	16QAM	36	0	22.26	22.23	22.21			
15	16QAM	36	20	22.25	22.29	22.28			
15	16QAM	36	39	22.21	22.21	22.20	23.5	2	
15	16QAM	75	0	22.26	22.25	22.21			
15	64QAM	1	0	22.15	22.26	22.27			
15	64QAM	1	37	22.23	22.24	22.30			
15	64QAM	1	74	22.22	22.35	22.27	23.5	2	
15	64QAM	36	0	21.22	21.31	21.19			
15	64QAM	36	20	21.16	21.12	21.13			
15	64QAM	36	39	21.23	21.24	21.25			
15	64QAM	75	0	21.18	21.23	21.07	22.5	3	
Channel									
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	24.29	24.32	24.26	25.5	0	
10	QPSK	1	25	24.33	24.26	24.35			
10	QPSK	1	49	24.17	24.23	24.23			
10	QPSK	25	0	23.25	23.22	23.20			
10	QPSK	25	12	23.28	23.22	23.18	24.5	1	
10	QPSK	25	25	23.20	23.24	23.09			
10	QPSK	50	0	23.27	23.22	23.19			
10	16QAM	1	0	23.47	23.34	23.57			
10	16QAM	1	25	23.47	23.41	23.61	24.5	1	
10	16QAM	1	49	23.48	23.52	23.33			
10	16QAM	25	0	22.31	22.28	22.27			
10	16QAM	25	12	22.31	22.33	22.24			
10	16QAM	25	25	22.26	22.32	22.13	23.5	2	
10	16QAM	50	0	22.24	22.23	22.11			
10	64QAM	1	0	22.16	22.26	22.32			
10	64QAM	1	25	22.30	22.19	22.19			
10	64QAM	1	49	22.18	22.29	22.21	23.5	2	
10	64QAM	25	0	21.24	21.28	21.36			
10	64QAM	25	12	21.19	21.24	21.13			
10	64QAM	25	25	21.20	21.43	21.16			
10	64QAM	50	0	21.05	21.12	21.02	22.5	3	
Channel									
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.04	24.03	24.07	25.5	0	
5	QPSK	1	12	24.14	24.27	24.10			
5	QPSK	1	24	23.95	23.98	24.05			
5	QPSK	12	0	22.93	23.10	22.92			
5	QPSK	12	7	22.93	23.14	22.99	24.5	1	
5	QPSK	12	13	22.82	23.01	22.95			
5	QPSK	25	0	22.85	22.95	22.86			
5	16QAM	1	0	22.95	22.94	22.95			
5	16QAM	1	12	23.11	23.22	22.99	24.5	1	
5	16QAM	1	24	22.82	22.86	22.82			
5	16QAM	12	0	22.25	22.17	22.22			
5	16QAM	12	7	22.29	22.24	22.18			
5	16QAM	12	13	22.11	22.14	22.11	23.5	2	
5	16QAM	25	0	22.12	22.13	22.07			
5	64QAM	1	0	22.11	22.07	22.03			
5	64QAM	1	12	22.21	22.24	22.14			
5	64QAM	1	24	21.96	22.05	22.08	23.5	2	
5	64QAM	12	0	21.16	20.98	20.90			
5	64QAM	12	7	21.01	21.02	20.97			
5	64QAM	12	13	20.88	20.92	20.86			
5	64QAM	25	0	21.05	21.02	21.01	22.5	3	
Channel									
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	24.26	24.24	24.17	25.5	0	
3	QPSK	1	8	24.19	24.28	24.21			
3	QPSK	1	14	24.23	24.31	24.22			
3	QPSK	8	0	23.20	23.20	23.12			
3	QPSK	8	4	23.20	23.20	23.18	24.5	1	
3	QPSK	8	7	23.15	23.20	23.09			
3	QPSK	15	0	23.22	23.18	23.17			
3	16QAM	1	0	23.35	23.35	23.23			
3	16QAM	1	8	23.25	23.33	23.14	24.5	1	
3	16QAM	1	14	23.30	22.93	22.92			
3	16QAM	8	0	22.36	22.35	22.29			
3	16QAM	8	4	22.35	22.34	22.31			
3	16QAM	15	0	22.27	22.40	22.30	23.5	2	
3	16QAM	15	0	22.24	22.22	22.26			
3	64QAM	1	0	22.30	22.20	22.20			
3	64QAM	1	8	22.41	22.30	22.17			
3	64QAM	1	14	22.26	22.28	22.26	23.5	2	
3	64QAM	8	0	21.26	21.13	21.32			
3	64QAM	8	4	21.29	21.38	21.15			
3	64QAM	8	7	21.28	21.26	21.31			
3	64QAM	15	0	21.11	21.35	21.21	22.5	3	
Channel									
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	24.22	24.28	24.21	25.5	0	
1.4	QPSK	1	3	24.08	24.24	24.19			
1.4	QPSK	1	5	24.07	24.30	24.07			
1.4	QPSK	3	0	24.20	24.16	24.10			
1.4	QPSK	3	1	24.21	24.19	24.06	24.5	1	
1.4	QPSK	3	3	24.20	24.15	24.10			
1.4	QPSK	6	0	23.21	23.19	23.20			
1.4	16QAM	1	0	23.41	23.28	23.08			
1.4	16QAM	1	3	23.26	23.25	23.03	24.5	1	
1.4	16QAM	1	5	23.38	23.40	23.03			
1.4	16QAM	3	0	23.04	22.93	23.11			
1.4	16QAM	3	1	22.92	22.99	23.01			
1.4	16QAM	3	3	23.06	23.01	23.00	23.5	2	
1.4	16QAM	6	0	22.25	22.22	22.19			
1.4	64QAM	1	0	22.30	22.25	22.12			
1.4	64QAM	1	3	22.29	22.21	22.12			
1.4	64QAM	1	5	22.13	22.26	22.08	23.5	2	
1.4	64QAM	3	0	22.02	22.14	22.10			
1.4	64QAM	3	1	22.14	22.12	22.02			
1.4	64QAM	3	3	22.07	22.05	22.09			
1.4	64QAM	6	0	21.33	21.23	21.11	22.5	3	



Band 7 Ant4 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				23.08	23.35	23.60			
20	QPSK	1	0	23.08	23.19	23.16			
20	QPSK	1	49	23.01	23.03	22.91	24.5	0	
20	QPSK	1	99	22.85	23.18	22.83			
20	QPSK	50	0	22.05	22.15	22.06			
20	QPSK	50	24	22.05	22.14	22.03			
20	QPSK	50	50	22.06	22.13	22.04	23.5	1	
20	QPSK	100	0	21.99	22.07	22.01			
20	16QAM	1	0	21.89	22.13	21.82			
20	16QAM	1	49	21.87	21.92	22.01	23.5	1	
20	16QAM	1	99	22.00	22.06	21.94			
20	16QAM	50	0	21.08	21.16	21.35			
20	16QAM	50	24	21.06	21.15	21.39			
20	16QAM	50	50	21.04	21.10	21.23	22.5	2	
20	16QAM	100	0	20.88	21.11	21.31			
20	64QAM	1	0	21.04	21.22	21.32			
20	64QAM	1	49	21.11	21.19	21.37	22.5	2	
20	64QAM	1	99	21.14	21.15	21.21			
20	64QAM	50	0	19.92	19.86	20.24			
20	64QAM	50	24	19.77	19.99	20.09	21.5	3	
20	64QAM	50	50	19.79	19.87	20.00			
20	64QAM	100	0	19.99	20.18	20.19			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.89	22.98	22.97			
15	QPSK	1	37	22.87	22.93	22.86	24.5	0	
15	QPSK	1	74	22.67	23.10	22.78			
15	QPSK	36	0	22.04	22.01	22.01			
15	QPSK	36	20	22.02	22.12	21.95	23.5	1	
15	QPSK	36	39	22.01	22.04	21.88			
15	QPSK	75	0	21.84	21.95	22.01			
15	16QAM	1	0	21.91	22.01	21.81			
15	16QAM	1	37	21.70	21.73	21.85	23.5	1	
15	16QAM	1	74	22.00	22.06	21.88			
15	16QAM	36	0	20.84	21.18	21.33	22.5	2	
15	16QAM	36	20	21.03	21.13	21.27			
15	16QAM	36	39	21.02	21.11	21.12			
15	16QAM	75	0	20.70	20.95	21.12			
15	64QAM	1	0	20.98	21.05	21.15			
15	64QAM	1	37	21.00	21.16	21.38	22.5	2	
15	64QAM	1	74	21.16	21.02	21.48			
15	64QAM	36	0	19.83	19.65	20.00			
15	64QAM	36	20	19.72	19.82	20.01	21.5	3	
15	64QAM	36	39	20.00	19.85	20.08			
15	64QAM	75	0	19.79	19.86	20.05			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	23.07	23.21	22.99			
10	QPSK	1	25	22.82	22.92	22.77	24.5	0	
10	QPSK	1	49	22.81	23.02	22.80			
10	QPSK	25	0	21.95	22.11	21.90			
10	QPSK	25	12	22.04	21.99	21.97	23.5	1	
10	QPSK	25	25	21.88	22.08	22.02			
10	QPSK	50	0	22.00	21.94	21.98			
10	16QAM	1	0	21.82	22.12	21.75	23.5	1	
10	16QAM	1	25	21.87	21.75	21.89			
10	16QAM	1	49	21.86	21.86	21.92			
10	16QAM	25	0	20.95	21.12	21.15			
10	16QAM	25	12	21.01	21.11	21.28	22.5	2	
10	16QAM	25	25	20.84	20.99	21.22			
10	16QAM	50	0	20.86	21.02	21.18			
10	64QAM	1	0	21.00	21.11	21.27	22.5	2	
10	64QAM	1	25	21.13	21.02	21.22			
10	64QAM	1	49	20.93	21.13	21.37			
10	64QAM	25	0	19.75	19.87	20.09			
10	64QAM	25	12	19.66	19.86	20.04	21.5	3	
10	64QAM	25	25	19.79	19.76	20.08			
10	64QAM	50	0	19.93	20.04	20.08			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	23.05	23.05	23.11			
5	QPSK	1	12	22.81	22.99	22.76	24.5	0	
5	QPSK	1	24	22.66	23.06	22.73			
5	QPSK	12	0	21.88	21.94	21.90			
5	QPSK	12	7	21.99	22.08	21.83	23.5	1	
5	QPSK	12	13	21.99	21.91	21.99			
5	QPSK	25	0	21.92	21.91	21.80			
5	16QAM	1	0	21.91	22.14	21.70			
5	16QAM	1	12	21.74	21.76	21.96	23.5	1	
5	16QAM	1	24	21.85	21.90	21.78			
5	16QAM	12	0	20.93	20.98	21.33			
5	16QAM	12	7	20.99	21.08	21.26	22.5	2	
5	16QAM	12	13	21.02	21.03	21.08			
5	16QAM	25	0	20.86	21.04	21.31			
5	64QAM	1	0	20.99	21.24	21.18			
5	64QAM	1	12	20.95	21.19	21.31	22.5	2	
5	64QAM	1	24	20.95	20.93	21.34			
5	64QAM	12	0	19.62	19.83	20.06			
5	64QAM	12	7	19.79	19.83	19.91	21.5	3	
5	64QAM	12	13	19.76	19.77	20.05			
5	64QAM	25	0	19.93	20.09	20.17			

Band 12 Ant4 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.26	24.34	24.22			
10	QPSK	1	25	24.12	24.26	24.13	25.5	0	
10	QPSK	1	49	24.16	24.20	24.10			
10	QPSK	25	0	23.19	23.28	23.07			
10	QPSK	25	12	23.08	23.23	23.02	24.5	1	
10	QPSK	25	25	23.10	23.15	22.98			
10	QPSK	50	0	23.17	23.22	23.01			
10	16QAM	1	0	23.31	23.35	23.23			
10	16QAM	1	25	23.13	23.27	23.17	24.5	1	
10	16QAM	1	49	23.15	23.20	23.07			
10	16QAM	25	0	22.17	22.29	22.09			
10	16QAM	25	12	22.09	22.21	22.05	23.5	2	
10	16QAM	25	25	22.08	22.17	21.95			
10	16QAM	50	0	22.19	22.27	22.05			
10	64QAM	1	0	22.30	22.38	22.26			
10	64QAM	1	25	22.15	22.23	22.21	23.5	2	
10	64QAM	1	49	22.12	22.24	22.10			
10	64QAM	25	0	21.19	21.24	21.11			
10	64QAM	25	12	21.11	21.19	21.00	22.5	3	
10	64QAM	25	25	21.07	21.17	20.97			
10	64QAM	50	0	21.22	21.26	21.08			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.16	24.28	24.13			
5	QPSK	1	12	24.00	24.17	24.03	25.5	0	
5	QPSK	1	24	24.04	24.14	23.97			
5	QPSK	12	0	23.06	23.16	23.00			
5	QPSK	12	13	22.97	23.06	22.86	24.5	1	
5	QPSK	25	0	23.07	23.17	22.94			
5	16QAM	1	0	23.22	23.20	23.10			
5	16QAM	1	12	23.06	23.17	23.02	24.5	1	
5	16QAM	1	24	23.04	23.10	22.95			
5	16QAM	12	0	22.07	22.18	21.99			
5	16QAM	12	7	21.98	22.10	21.97	23.5	2	
5	16QAM	12	13	22.03	22.10	21.81			
5	16QAM	25	0	22.13	22.14	22.00			
5	64QAM	1	0	22.22	22.27	22.20			
5	64QAM	1	12	22.09	22.14	22.12	23.5	2	
5	64QAM	1	24	21.98	22.17	22.02			
5	64QAM	12	0	21.06	21.18	21.00			
5	64QAM	12	7	21.01	21.12	20.88	22.5	3	
5	64QAM	12	13	20.94	21.02	20.91			
5	64QAM	25	0	21.09	21.14	20.99			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.16	24.26	24.15			
3	QPSK	1	8	24.01	24.15	24.00	25.5	0	
3	QPSK	1	14	24.07	24.12	24.03			
3	QPSK	8	0	23.07	23.13	23.02			
3	QPSK	8	4	22.95	23.10	22.88	24.5	1	
3	QPSK	8	7	23.02	23.07	22.87			
3	QPSK	15	0	23.08	23.08	22.88			
3	16QAM	1	0	23.20	23.24	23.12			
3	16QAM	1	8	23.00	23.22	23.07	24.5	1	
3	16QAM	1	14	23.02	23.15	23.01			
3	16QAM	8	0	22.08	22.16	21.95			
3	16QAM	8	4	22.00	22.13	21.96	23.5	2	
3	16QAM	8	7	22.00	22.05	21.86			
3	16QAM	15	0	22.06	22.26	21.93			
3	64QAM	1	0	22.17	22.20	22.00			
3	64QAM	1	8	22.05	22.09	22.05	23.5	2	
3	64QAM	1	14	22.05	22.10	22.00			
3	64QAM	8	0	21.09	21.09	21.04			
3	64QAM	8	4	21.00	21.10	20.91	22.5	3	
3	64QAM	8	7	20.94	21.07	20.90			
3	64QAM	15	0	21.12	21.14	20.98			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	24.17	24.26	24.15			
1.4	QPSK	1	5	24.00	24.20	24.01	25.5	0	
1.4	QPSK	1	9	24.01	24.11	24.06			
1.4	QPSK	3	0	24.07	24.15	23.92			
1.4	QPSK	3	1	23.97	24.13	23.93	24.5	1	
1.4	QPSK	3	3	24.01	24.07	23.90			
1.4	QPSK	6	0	23.10	23.11	22.91			
1.4	16QAM	1	0	23.25	23.25	23.09			
1.4	16QAM	1	3	23.09	23.19	22.94	24.5	1	
1.4	16QAM	1	5	23.03	23.08	22.93			
1.4	16QAM	3	0	23.05	23.20	22.99			
1.4	16QAM	3	1	23.01	23.07	22.91	23.5	2	
1.4	16QAM	3	3	22.94	23.12	22.90			
1.4	16QAM	6	0	22.06	22.15	21.95			
1.4	64QAM	1	0	22.17	22.33	22.12			
1.4	64QAM	1	3	22.05	22.27	22.08	23.5	2	
1.4	64QAM	1	5	22.03	22.13	22.04			
1.4	64QAM	3	0	22.09	22.17	21.98			
1.4	64QAM	3	1	22.00	22.09	21.88			
1.4	64QAM	3	3	21.97	22.07	21.85			
1.4	64QAM	6	0	21.14	21.12	20.98	22.5	3	



Band 17 Ant4 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.25	24.30	24.26	25.5	0	
10	QPSK	1	25	24.15	24.17	24.21			
10	QPSK	1	49	24.13	24.24	24.18			
10	QPSK	25	0	23.14	23.16	23.10			
10	QPSK	25	12	23.06	23.08	23.05	24.5	1	
10	QPSK	25	25	23.01	23.11	22.97			
10	QPSK	50	0	23.06	23.09	23.05			
10	16QAM	1	0	23.24	23.33	23.28			
10	16QAM	1	25	23.15	23.12	23.24	24.5	1	
10	16QAM	1	49	23.09	23.23	23.23			
10	16QAM	25	0	22.10	22.14	22.10			
10	16QAM	25	12	22.08	22.10	22.01			
10	16QAM	25	25	22.05	22.08	21.98	23.5	2	
10	16QAM	50	0	22.10	22.06	22.00			
10	64QAM	1	0	22.23	22.31	22.31			
10	64QAM	1	25	22.15	22.12	22.22			
10	64QAM	1	49	22.09	22.26	22.16	23.5	2	
10	64QAM	25	0	21.15	21.13	21.11			
10	64QAM	25	12	21.08	21.14	21.05			
10	64QAM	25	25	21.08	21.11	20.93			
10	64QAM	50	0	21.15	21.06	21.04	22.5	3	
Channel				23755 <th>23790</th> <th>23825</th>	23790	23825			
Frequency (MHz)				706.5 <th>710</th> <th>713.5</th>	710	713.5			
5	QPSK	1	0	24.23	24.28	24.21	25.5	0	
5	QPSK	1	12	24.19	24.17	24.16			
5	QPSK	1	24	24.09	24.19	24.15			
5	QPSK	12	0	23.12	23.19	23.08			
5	QPSK	12	7	23.10	23.10	23.03	24.5	1	
5	QPSK	12	13	23.06	23.15	22.93			
5	QPSK	25	0	23.08	23.05	23.06			
5	16QAM	1	0	23.28	23.36	23.33			
5	16QAM	1	12	23.19	23.08	23.23	24.5	1	
5	16QAM	1	24	23.07	23.20	23.29			
5	16QAM	12	0	22.06	22.13	22.08			
5	16QAM	12	7	22.13	22.13	21.98			
5	16QAM	12	13	22.10	22.09	21.96	23.5	2	
5	16QAM	25	0	22.14	22.03	21.98			
5	64QAM	1	0	22.21	22.27	22.31			
5	64QAM	1	12	22.12	22.11	22.23			
5	64QAM	1	24	22.05	22.31	22.24	23.5	2	
5	64QAM	12	0	21.14	21.10	21.15			
5	64QAM	12	7	21.07	21.17	21.01			
5	64QAM	12	13	21.11	21.09	20.89			
5	64QAM	25	0	21.11	21.11	21.05	22.5	3	

Band 26 Ant4 DS12									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.21	23.25	23.23	24.5	0	
15	QPSK	1	37	23.10	23.20	23.09			
15	QPSK	1	74	23.12	23.17	23.11			
15	QPSK	36	0	22.22	22.26	22.23			
15	QPSK	36	20	22.11	22.15	22.10	23.5	1	
15	QPSK	36	39	22.10	22.19	22.08			
15	QPSK	75	0	22.27	22.31	22.19			
15	16QAM	1	0	22.20	22.25	22.26			
15	16QAM	1	37	22.11	22.25	22.12	23.5	1	
15	16QAM	1	74	22.09	22.12	22.09			
15	16QAM	36	0	21.25	21.29	21.22			
15	16QAM	36	20	21.13	21.18	21.13			
15	16QAM	36	39	21.05	21.15	21.09	22.5	2	
15	16QAM	75	0	21.32	21.29	21.18			
15	64QAM	1	0	21.23	21.24	21.26			
15	64QAM	1	37	21.06	21.21	21.09			
15	64QAM	1	74	21.05	21.08	21.10	22.5	2	
15	64QAM	36	0	20.25	20.31	20.22			
15	64QAM	36	20	20.12	20.17	20.10			
15	64QAM	36	39	20.09	20.10	20.12			
15	64QAM	75	0	20.31	20.25	20.18	21.5	3	
Channel				26740	26865	26990			
Frequency (MHz)				819 <th>831.5</th> <th>844</th>	831.5	844			
10	QPSK	1	0	23.13	23.18	23.15	24.5	0	
10	QPSK	1	25	23.00	23.11	22.95			
10	QPSK	1	49	23.06	23.05	23.01			
10	QPSK	25	0	22.15	22.14	22.09			
10	QPSK	25	12	21.97	22.06	21.98	23.5	1	
10	QPSK	25	25	21.99	22.11	21.98			
10	QPSK	50	0	22.19	22.23	22.06			
10	16QAM	1	0	22.10	22.16	22.17			
10	16QAM	1	25	21.99	22.16	22.00	23.5	1	
10	16QAM	1	49	22.03	22.04	21.95			
10	16QAM	25	0	21.11	21.19	21.15			
10	16QAM	25	12	21.04	21.07	21.06			
10	16QAM	25	25	20.96	21.04	20.94	22.5	2	
10	16QAM	50	0	21.26	21.16	21.11			
10	64QAM	1	0	21.12	21.10	21.20			
10	64QAM	1	25	20.93	21.13	21.00			
10	64QAM	1	49	20.93	20.98	20.98	22.5	2	
10	64QAM	25	0	20.19	20.18	20.14			
10	64QAM	25	12	20.03	20.10	20.02			
10	64QAM	25	25	19.95	20.20	20.03			
10	64QAM	50	0	20.20	20.19	20.12	21.5	3	
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.12	23.14	23.17	24.5	0	
5	QPSK	1	12	23.00	23.09	22.98			
5	QPSK	1	24	23.03	23.10	23.01			
5	QPSK	12	0	22.09	22.13	22.12			
5	QPSK	12	7	22.00	22.07	22.00	23.5	1	
5	QPSK	12	13	22.04	22.13	21.97			
5	QPSK	25	0	22.19	22.24	22.06			
5	16QAM	1	0	22.15	22.14	22.14			
5	16QAM	1	12	22.01	22.13	22.03	23.5	1	
5	16QAM	1	24	21.98	21.98	22.01			
5	16QAM	12	0	21.18	21.15	21.08			
5	16QAM	12	7	20.99	21.07	21.05			
5	16QAM	12	13	20.98	21.09	20.95	22.5	2	
5	16QAM	25	0	21.21	21.21	21.05			
5	64QAM	1	0	21.16	21.19	21.15			
5	64QAM	1	12	20.93	21.13	20.96			
5	64QAM	1	24	20.96	21.00	20.96	22.5	2	
5	64QAM	12	0	20.18	20.23	20.08			
5	64QAM	12	7	19.98	20.10	19.99			
5	64QAM	12	13	19.95	20.04	19.99			
5	64QAM	25	0	20.20	20.15	20.12	21.5	3	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.12	23.13	23.14	24.5	0	
3	QPSK	1	8	23.00	23.06	23.01			
3	QPSK	1	14	23.03	23.09	23.02			
3	QPSK	8	0	22.15	22.13	22.13			
3	QPSK	8	4	22.01	22.00	21.98	23.5	1	
3	QPSK	8	7	22.02	22.14	21.95			
3	QPSK	15	0	22.17	22.18	22.13			
3	16QAM	1	0	22.13	22.14	22.13			
3	16QAM	1	8	22.01	22.10	22.00	23.5	1	
3	16QAM	1	14	22.00	22.06	21.96			
3	16QAM	8	0	21.13	21.22	21.12			
3	16QAM	8	4	20.99	21.05	21.04			
3	16QAM	8	7	20.93	21.03	21.01	22.5	2	
3	16QAM	15	0	21.18	21.22	21.11			
3	16QAM	15	8	21.17	21.15	21.17			
3	16QAM	15	14	21.11	21.14	21.12			
3	64QAM	1	8	20.94	21.14	20.95	22.5	2	
3	64QAM	1	14	20.91	21.01	21.02			
3	64QAM	8	0	20.18	20.20	20.13			
3	64QAM	8	4	19.99	20.20	20.05			
3	64QAM	8	7	19.99	20.02	20.05	21.5	3	
3	64QAM	15	0	20.18	20.19	20.07			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.15	23.19	23.16	24.5	0	
1.4	QPSK	1	8	23.04	23.05	23.04			
1.4	QPSK	1	8	22.99	23.04	23.04			
1.4	QPSK	3	0	23.13	23.12	23.10			
1.4	QPSK	3	1	23.06	23.05	22.96	23.5	1	
1.4	QPSK	3	3	23.01	23.13	22.95			
1.4	QPSK	6	0	22.12	22.18	22.12			
1.4	16QAM	1	0	22.07	22.11	22.11			
1.4	16QAM	1	3	22.04	22.13	22.02	23.5	1	
1.4	16QAM	1	5	21.97	22.02	21.97			
1.4	16QAM	3	0	22.20	22.23	22.16			
1.4	16QAM	3	1	22.03	22.25	22.00			
1.4	16QAM	3	3	21.94	22.05	21.97	22.5	2	
1.4	16QAM	6	0	21.19	21.15	21.09			
1.4	64QAM	1	0	21.09	21.09	21.13			
1.4	64QAM	1	3	20.99	21.08	20.95			
1.4	64QAM	3	0	20.97	21.03	21.01	22.5	2	
1.4	64QAM	3	0	21.12	21.24	21.16			
1.4	64QAM	3	1	21.00	21.02	21.01			
1.4	64QAM	3	3	21.01	21.02	20.97			
1.4	64QAM	6	0	20.24	20.15	20.13	21.5	3	

Band 38 Ant4 DS12									
BW [MHz]	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	24.19	24.30	24.21	25.5	0	
20	QPSK	1	49	24.21	24.24	24.27			
20	QPSK	1	99	24.19	24.28	24.24			
20	QPSK	50	0	23.16	23.29	23.18	24.5	1	
20	QPSK	50	24	23.39	23.41	23.03			
20	QPSK	50	50	23.15	23.08	23.30			
20	QPSK	100	0	23.09	23.24	23.20	24.5	1	
20	16QAM	1	0	23.11	23.17	23.14			
20	16QAM	1	49	23.36	23.24	23.27			
20	16QAM	1	99	23.15	23.11	23.09	23.5	2	
20	16QAM	50	0	22.08	22.06	22.13			
20	16QAM	50	24	22.22	22.21	22.21			
20	16QAM	50	50	22.21	22.08	22.05	23.5	2	
20	16QAM	100	0	22.20	22.08	21.89			
20	64QAM	1	0	22.01	22.22	22.19			
20	64QAM	1	49	22.30	22.38	22.31	23.5	2	
20	64QAM	1	99	22.37	22.28	22.13			
20	64QAM	50	0	21.21	21.21	21.06			
20	64QAM	50	24	21.07	21.34	21.19	22.5	3	
20	64QAM	50	50	21.01	21.09	21.02			
20	64QAM	100	0	21.30	21.15	21.19			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2612.5			
15	QPSK	1	0	24.28	24.25	24.25	25.5	0	
15	QPSK	1	37	24.27	24.24	24.16			
15	QPSK	1	74	24.28	24.29	24.22			
15	QPSK	36	0	23.26	23.16	23.26	24.5	1	
15	QPSK	36	20	23.30	23.27	23.23			
15	QPSK	36	39	23.25	23.23	23.24			
15	QPSK	75	0	23.34	23.34	23.27	24.5	1	
15	16QAM	1	0	23.27	23.16	23.15			
15	16QAM	1	37	23.30	23.38	23.36			
15	16QAM	1	74	23.26	23.26	23.15	23.5	2	
15	16QAM	36	0	22.25	22.18	22.15			
15	16QAM	36	20	22.22	22.26	22.20			
15	16QAM	36	39	22.39	22.14	22.26	23.5	2	
15	16QAM	75	0	22.26	22.23	22.31			
15	64QAM	1	0	22.21	22.17	22.30			
15	64QAM	1	37	22.30	22.40	22.36	23.5	2	
15	64QAM	1	74	22.35	22.33	22.30			
15	64QAM	36	0	21.16	21.11	21.09			
15	64QAM	36	20	21.20	21.24	21.07	22.5	3	
15	64QAM	36	39	21.09	21.06	21.14			
15	64QAM	75	0	21.20	21.02	21.25			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.19	24.13	23.98	25.5	0	
10	QPSK	1	25	24.22	24.17	24.22			
10	QPSK	1	49	24.21	24.21	24.09			
10	QPSK	25	0	23.09	23.17	23.09	24.5	1	
10	QPSK	25	12	23.08	23.11	23.07			
10	QPSK	25	25	23.05	23.06	23.04			
10	QPSK	50	0	23.19	23.11	23.01	24.5	1	
10	16QAM	1	0	23.11	23.02	23.00			
10	16QAM	1	25	23.04	23.18	23.10			
10	16QAM	1	49	22.95	22.97	23.06	23.5	2	
10	16QAM	25	0	22.19	22.17	22.13			
10	16QAM	25	12	22.17	22.08	22.08			
10	16QAM	25	25	22.12	22.12	22.08	23.5	2	
10	16QAM	50	0	22.19	22.15	22.04			
10	64QAM	1	0	22.05	22.01	21.98			
10	64QAM	1	25	22.12	22.14	22.14	23.5	2	
10	64QAM	1	49	22.09	22.18	22.10			
10	64QAM	25	0	21.30	21.08	21.11			
10	64QAM	25	12	21.00	21.01	21.03	22.5	3	
10	64QAM	25	25	20.95	20.97	21.10			
10	64QAM	50	0	21.13	20.93	21.09			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.18	24.19	24.21	25.5	0	
5	QPSK	1	12	24.28	24.28	24.24			
5	QPSK	1	24	24.18	24.18	24.09			
5	QPSK	12	0	23.14	23.16	23.11	24.5	1	
5	QPSK	12	7	23.27	23.11	23.13			
5	QPSK	12	13	23.07	23.00	23.06			
5	QPSK	25	0	23.03	23.09	23.06	24.5	1	
5	16QAM	1	0	23.11	23.09	23.10			
5	16QAM	1	12	23.22	23.05	23.06			
5	16QAM	1	24	22.97	23.07	22.96	23.5	2	
5	16QAM	12	0	22.09	22.00	22.03			
5	16QAM	12	7	21.98	21.98	21.86			
5	16QAM	12	13	22.11	21.93	21.93	23.5	2	
5	16QAM	25	0	22.12	22.14	22.08			
5	64QAM	1	0	22.30	22.13	22.07			
5	64QAM	1	12	22.18	22.28	22.40	23.5	2	
5	64QAM	1	24	22.15	22.28	22.03			
5	64QAM	12	0	21.27	21.23	21.04			
5	64QAM	12	7	21.14	21.06	21.13	22.5	3	
5	64QAM	12	13	21.01	20.97	20.96			
5	64QAM	25	0	21.18	21.02	21.07			

Band 41 Ant4 DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.06	24.00	24.32	24.22	24.26	25.5	0
20	QPSK	1	49	23.96	24.07	24.31	24.05	24.25		
20	QPSK	1	99	23.92	24.08	24.24	24.09	24.30		
20	QPSK	50	0	22.87	23.02	23.25	22.84	23.22	24.5	1
20	QPSK	50	24	22.88	22.93	23.07	23.16	23.16		
20	QPSK	50	50	22.84	22.94	23.24	23.09	23.16		
20	QPSK	100	0	22.89	23.08	23.15	22.93	23.05	24.5	1
20	16QAM	1	0	23.13	23.22	23.15	23.34	23.42		
20	16QAM	1	49	23.38	23.18	23.41	23.39	23.44		
20	16QAM	1	99	23.26	23.37	23.54	23.32	23.38	23.5	2
20	16QAM	50	0	22.22	22.39	22.23	22.50	22.54		
20	16QAM	50	24	22.34	22.32	22.61	22.39	22.50		
20	16QAM	50	50	22.30	22.47	22.56	22.29	22.44	23.5	2
20	16QAM	100	0	22.16	22.29	22.60	22.62	22.66		
20	64QAM	1	0	22.25	22.30	22.34	22.38	22.66		
20	64QAM	1	49	22.23	22.49	22.50	22.58	22.63	22.5	3
20	64QAM	1	99	22.30	22.55	22.52	22.44	22.57		
20	64QAM	50	0	21.16	21.08	21.31	21.21	21.46		
20	64QAM	50	24	21.17	21.32	21.16	21.42	21.24	22.5	3
20	64QAM	50	50	21.14	21.17	21.23	21.24	21.30		
20	64QAM	100	0	21.14	21.35	21.47	21.42	21.43		
Channel				39725	40173	40620	41066	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2693.5	2693.5	2693.5	2693.5	2693.5		
15	QPSK	1	0	23.82	23.85	24.12	24.04	24.16	25.50	0
15	QPSK	1	37	23.88	23.95	24.22	24.20	24.15		
15	QPSK	1	74	23.87	23.90	24.12	24.00	24.21		
15	QPSK	36	0	22.80	22.84	23.15	23.06	23.06	24.5	1
15	QPSK	36	20	22.95	22.90	23.04	23.12	23.11		
15	QPSK	36	39	22.79	22.88	23.19	23.06	23.09		
15	QPSK	75	0	22.96	22.88	23.10	23.00	23.07	24.5	1
15	16QAM	1	0	22.83	22.98	22.99	23.13	23.12		
15	16QAM	1	37	22.81	22.99	23.27	23.24	23.25		
15	16QAM	1	74	22.91	23.22	23.05	22.94	23.19	23.5	2
15	16QAM	36	0	21.73	21.78	22.08	21.97	21.98		
15	16QAM	36	20	21.96	21.97	22.10	21.97	22.01		
15	16QAM	36	39	21.81	21.95	22.10	21.92	22.11	22.5	3
15	16QAM	75	0	21.83	21.84	22.13	21.92	22.02		
15	64QAM	1	0	21.92	21.92	22.17	22.17	22.04		
15	64QAM	1	37	21.88	22.00	22.06	22.09	21.99	24.5	1
15	64QAM	1	74	21.88	21.96	22.14	22.12	22.11		
15	64QAM	36	0	20.89	20.91	21.26	20.94	21.04		
15	64QAM	36	20	20.96	20.86	21.20	21.14	21.20	25.50	0
15	64QAM	36	39	20.85	20.93	21.08	20.97	20.93		
15	64QAM	75	0	20.86	20.79	20.97	21.16	21.05		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.84	23.90	24.18	24.18	24.20	24.5	1
10	QPSK	1	25	24.08	24.00	24.22	24.13	24.20		
10	QPSK	1	49	23.96	24.01	24.23	24.15	24.22		
10	QPSK	25	0	22.99	23.16	23.11	23.05	23.17	24.5	1
10	QPSK	25	12	22.97	23.04	23.08	23.31	23.26		
10	QPSK	25	25	22.97	22.99	23.10	23.11	23.13		
10	QPSK	50	0	22.89	23.05	23.15	23.02	23.18	24.5	1
10	16QAM	1	0	22.93	22.99	23.02	22.87	23.27		
10	16QAM	1	25	22.98	23.11	23.22	23.14	23.30		
10	16QAM	1	49	22.87	23.03	23.07	22.96	23.11	23.5	2
10	16QAM	25	0	21.97	21.98	22.21	22.04	22.16		
10	16QAM	25	12	21.96	22.00	22.16	22.20	22.22		
10	16QAM	25	25	22.03	22.08	22.14	22.09	22.21	23.5	2
10	16QAM	50	0	21.79	21.88	22.28	22.05	22.19		
10	64QAM	1	0	22.09	22.02	22.15	22.13	22.01		
10	64QAM	1	25	22.00	21.96	22.21	22.10	22.22	22.5	3
10	64QAM	1	49	21.92	21.98	22.12	22.15	22.15		
10	64QAM	25	0	20.96	21.06	21.05	21.07	21.12		
10	64QAM	25	12	20.96	20.86	21.24	21.08	21.09	25.50	0
10	64QAM	25	25	20.98	21.16	21.29	21.04	21.11		
10	64QAM	50	0	20.79	20.83	21.07	21.12	21.15		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.70	23.83	23.98	23.96	23.97	25.50	0
5	QPSK	1	12	23.98	24.06	24.06	24.12	24.14		
5	QPSK	1	24	24.05	24.00	24.03	23.98	24.17		
5	QPSK	12	0	22.60	22.70	22.93	22.83	22.79	24.5	1
5	QPSK	12	7	22.77	22.71	23.07	22.99	23.00		
5	QPSK	12	13	22.63	22.87	22.94	22.72	22.87		
5	QPSK	25	0	22.67	22.66	22.84	23.05	22.83	24.5	1
5	16QAM	1	0	22.74	22.85	22.99	22.82	22.93		
5	16QAM	1	12	22.86	22.94	23.02	22.93	23.01		
5	16QAM	1	24	23.09	23.13	22.95	22.90	22.99	23.5	2
5	16QAM	12	0	21.57	21.85	22.02	21.88	21.95		
5	16QAM	12	7	21.65	21.82	21.83	21.79	21.72		
5	16QAM	12	13	21.78	21.59	22.06	21.68	21.76	23.5	2
5	16QAM	25	0	21.63	21.71	22.04	22.01	21.77		
5	64QAM	1	0	21.88	21.79	21.93	21.91	21.90		
5	64QAM	1	12	21.72	22.10	22.15	22.04	22.06	22.5	3
5	64QAM	1	24	21.94	22.08	21.87	22.05	22.16		
5	64QAM	12	0	21.07	21.04	21.06	21.10	21.07		
5	64QAM	12	7	21.09	21.25	21.23	21.21	21.25	22.5	3
5	64QAM	12	13	21.15	21.23	21.12	21.29	21.14		
5	64QAM	25	0	21.18	21.07	21.15	21.13	21.18		

GSM850 Ant0 DSIS344

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	32.00	824.2	836.4	848.8	23.00
Frequency (MHz)	31.60	31.64	31.57	32.00	22.60	22.64	22.57	23.00
GPRS 1 Tx slot	31.59	31.61	31.50	32.00	22.59	22.61	22.50	23.00
GPRS 2 Tx slots	30.49	30.61	30.52	31.00	24.49	24.61	24.52	25.00
GPRS 3 Tx slots	28.45	28.51	28.42	29.00	24.19	24.25	24.16	24.74
GPRS 4 Tx slots	27.33	27.42	27.35	28.00	24.33	24.42	24.35	25.00
EDGE 1 Tx slot	25.58	25.56	25.45	26.00	16.58	16.56	16.45	17.00
EDGE 2 Tx slots	23.53	23.80	23.75	24.00	17.83	17.80	17.75	18.00
EDGE 3 Tx slots	22.30	22.30	22.21	22.50	18.04	18.04	17.95	18.24
EDGE 4 Tx slots	21.17	21.03	20.98	22.00	18.17	18.03	17.98	19.00

WCDMA V Ant0 DSIS344

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.16	23.45	23.28	24.50
3GPP Rel 99	RMC 12.2Kbps	23.36	23.47	23.34	24.50
3GPP Rel 6	HSDPA Subtest-1	22.47	22.44	22.30	23.50
3GPP Rel 6	HSDPA Subtest-2	22.43	22.44	22.47	23.50
3GPP Rel 6	HSDPA Subtest-3	22.08	22.03	21.98	23.00
3GPP Rel 6	HSDPA Subtest-4	22.01	22.00	21.95	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.47	22.27	22.27	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.41	22.24	22.10	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.86	21.73	21.73	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.82	21.82	21.64	23.00
3GPP Rel 6	HSUPA Subtest-1	22.43	22.41	22.42	23.50
3GPP Rel 6	HSUPA Subtest-2	20.68	20.35	20.35	21.50
3GPP Rel 6	HSUPA Subtest-3	21.48	21.52	21.41	22.50
3GPP Rel 6	HSUPA Subtest-4	20.01	20.06	19.98	21.50
3GPP Rel 6	HSUPA Subtest-5	21.51	21.47	21.43	23.50



Band 5 Ant0 DSIS&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				20450	20525	20600			
10	QPSK	1	0	24.20	24.32	24.15			
10	QPSK	1	25	24.31	24.24	24.16	25.5	0	
10	QPSK	1	49	24.22	24.17	24.12			
10	QPSK	25	0	23.22	23.24	23.16			
10	QPSK	25	12	23.21	23.17	23.16	24.5	1	
10	QPSK	25	25	23.19	23.15	23.14			
10	QPSK	50	0	23.22	23.23	23.18			
10	16QAM	1	0	23.37	23.41	23.36			
10	16QAM	1	25	23.29	23.45	23.35	24.5	1	
10	16QAM	1	49	23.40	23.36	23.28			
10	16QAM	25	0	22.19	22.21	22.16			
10	16QAM	25	12	22.20	22.18	22.17			
10	16QAM	25	25	22.18	22.14	22.16	23.5	2	
10	16QAM	50	0	22.20	22.15	22.15			
10	64QAM	1	0	22.32	22.37	22.31			
10	64QAM	1	25	22.45	22.39	22.30	23.5	2	
10	64QAM	1	49	22.33	22.32	22.27			
10	64QAM	25	0	21.19	21.20	21.14			
10	64QAM	25	12	21.19	21.17	21.15	22.5	3	
10	64QAM	25	25	21.17	21.14	21.16			
10	64QAM	50	0	21.18	21.14	21.11			
Channel				20425	20529	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	24.23	24.24	24.16			
5	QPSK	1	12	24.27	24.26	24.18	25.5	0	
5	QPSK	1	24	24.29	24.21	24.14			
5	QPSK	12	0	23.20	23.24	23.20			
5	QPSK	12	7	23.24	23.22	23.13	24.5	1	
5	QPSK	12	13	23.21	23.11	23.12			
5	QPSK	25	0	23.22	23.18	23.11			
5	16QAM	1	0	23.40	23.43	23.34			
5	16QAM	1	12	23.46	23.43	23.33	24.5	1	
5	16QAM	1	24	23.48	23.37	23.30			
5	16QAM	12	0	22.18	22.22	22.12			
5	16QAM	12	7	22.16	22.17	22.11	23.5	2	
5	16QAM	12	13	22.17	22.09	22.06			
5	16QAM	25	0	22.22	22.17	22.13			
5	64QAM	1	0	22.36	22.38	22.33			
5	64QAM	1	12	22.41	22.41	22.32	23.5	2	
5	64QAM	1	24	22.42	22.34	22.30			
5	64QAM	12	0	21.17	21.17	21.13			
5	64QAM	12	7	21.18	21.15	21.10	22.5	3	
5	64QAM	12	13	21.13	21.06	21.08			
5	64QAM	25	0	21.22	21.14	21.12			
Channel				20415	20529	20635	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	24.24	24.24	24.13			
3	QPSK	1	8	24.25	24.19	24.12	25.5	0	
3	QPSK	1	14	24.27	24.18	24.10			
3	QPSK	8	0	23.21	23.15	23.12			
3	QPSK	8	4	23.22	23.21	23.14	24.5	1	
3	QPSK	8	7	23.21	23.19	23.08			
3	QPSK	15	0	23.18	23.17	23.11			
3	16QAM	1	0	23.40	23.42	23.28			
3	16QAM	1	8	23.44	23.36	23.25	24.5	1	
3	16QAM	1	14	23.46	23.34	23.31			
3	16QAM	8	0	22.25	22.23	22.18			
3	16QAM	8	4	22.26	22.24	22.20	23.5	2	
3	16QAM	8	7	22.25	22.25	22.18			
3	16QAM	15	0	22.22	22.20	22.15			
3	64QAM	1	0	22.35	22.34	22.29	23.5	2	
3	64QAM	1	8	22.36	22.37	22.26			
3	64QAM	1	14	22.46	22.33	22.28			
3	64QAM	8	0	21.22	21.21	21.15			
3	64QAM	8	4	21.22	21.19	21.14	22.5	3	
3	64QAM	8	7	21.24	21.17	21.14			
3	64QAM	15	0	21.18	21.18	21.11			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	24.22	24.18	24.16			
1.4	QPSK	1	3	24.25	24.24	24.14	25.5	0	
1.4	QPSK	1	5	24.24	24.21	24.15			
1.4	QPSK	3	0	24.23	24.19	24.19			
1.4	QPSK	3	1	24.21	24.24	24.16			
1.4	QPSK	3	3	24.25	24.21	24.17			
1.4	QPSK	6	0	23.23	23.26	23.19	24.5	1	
1.4	16QAM	1	0	23.39	23.48	23.36			
1.4	16QAM	1	3	23.44	23.46	23.36			
1.4	16QAM	1	5	23.45	23.44	23.32	24.5	1	
1.4	16QAM	3	0	23.25	23.24	23.22			
1.4	16QAM	3	1	23.22	23.27	23.22			
1.4	16QAM	3	3	23.22	23.22	23.20			
1.4	16QAM	6	0	22.27	22.26	22.22	23.5	2	
1.4	64QAM	1	0	22.35	22.42	22.38			
1.4	64QAM	1	3	22.36	22.41	22.34			
1.4	64QAM	1	5	22.43	22.45	22.34	23.5	2	
1.4	64QAM	3	0	22.31	22.31	22.26			
1.4	64QAM	3	1	22.29	22.31	22.25			
1.4	64QAM	3	3	22.26	22.29	22.25			
1.4	64QAM	6	0	21.16	21.22	21.17	22.5	3	

Band 7 Ant0 DSIS&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	15.30	15.45	15.40			
20	QPSK	1	49	15.35	15.26	15.41	17	0	
20	QPSK	1	99	15.42	15.38	15.31			
20	QPSK	50	0	15.21	15.41	15.31			
20	QPSK	50	24	15.33	15.12	15.22			
20	QPSK	50	50	15.34	15.26	15.12	17	0	
20	QPSK	100	0	15.15	15.37	15.27			
20	16QAM	1	0	15.16	15.13	15.30			
20	16QAM	1	49	15.32	15.27	15.19	17	0	
20	16QAM	1	99	15.20	15.34	15.24			
20	16QAM	50	0	15.21	15.11	15.23			
20	16QAM	50	24	15.27	15.25	15.14	17	0	
20	16QAM	50	50	15.29	15.30	15.25			
20	16QAM	100	0	15.23	15.24	15.33			
20	64QAM	1	0	15.18	15.22	15.16			
20	64QAM	1	49	15.15	15.28	15.35	17	0	
20	64QAM	1	99	15.21	15.25	15.32			
20	64QAM	50	0	15.34	15.29	15.19			
20	64QAM	50	24	15.22	15.29	15.33	17	0	
20	64QAM	50	50	15.32	15.12	15.32			
20	64QAM	100	0	15.31	15.34	15.28			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	15.16	15.37	15.33			
15	QPSK	1	37	15.25	15.17	15.32	17	0	
15	QPSK	1	74	15.35	15.36	15.13			
15	QPSK	36	0	15.02	15.30	15.16			
15	QPSK	36	20	15.21	15.05	15.20	17	0	
15	QPSK	36	39	15.22	15.08	15.04			
15	QPSK	75	0	15.11	15.15	15.23			
15	16QAM	1	0	15.04	15.09	15.29			
15	16QAM	1	37	15.32	15.11	15.05	17	0	
15	16QAM	1	74	15.19	15.23	15.21			
15	16QAM	36	0	15.04	15.09	15.25			
15	16QAM	36	20	15.24	15.20	15.04	17	0	
15	16QAM	36	39	15.11	15.26	15.21			
15	16QAM	75	0	15.08	15.08	15.27			
15	64QAM	1	0	15.26	15.09	15.02			
15	64QAM	1	37	15.01	15.25	15.29	17	0	
15	64QAM	1	74	15.02	15.11	15.19			
15	64QAM	36	0	15.18	15.24	15.09			
15	64QAM	36	20	15.22	15.20	15.28	17	0	
15	64QAM	36	39	15.24	15.10	15.38			
15	64QAM	75	0	15.20	15.21	15.13			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	15.11	15.40	15.36			
10	QPSK	1	25	15.28	15.20	15.33	17	0	
10	QPSK	1	49	15.40	15.35	15.17			
10	QPSK	25	0	15.20	15.30	15.19			
10	QPSK	25	12	15.18	15.03	15.06	17	0	
10	QPSK	25	25	15.27	15.11	15.02			
10	QPSK	50	0	15.05	15.31	15.14			
10	16QAM	1	0	15.14	15.05	15.23			
10	16QAM	1	25	15.22	15.16	15.09	17	0	
10	16QAM	1	49	15.11	15.19	15.05			
10	16QAM	25	0	15.16	15.22	15.19			
10	16QAM	25	12	15.13	15.05	15.11	17	0	
10	16QAM	25	25	15.23	15.23	15.22			
10	16QAM	50	0	15.21	15.15	15.28			
10	64QAM	1	0	15.34	15.22	15.14			
10	64QAM	1	25	15.05	15.27	15.19	17	0	
10	64QAM	1	49	15.20	15.08	15.31			
10	64QAM	25	0	15.15	15.25	15.00			
10	64QAM	25	12	15.08	15.26	15.15	17	0	
10	64QAM	25	25	15.24	15.08	15.23			
10	64QAM	50	0	15.17	15.34	15.17			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
5	QPSK	1	0	15.19	15.32	15.32			
5	QPSK	1	25	15.19	15.08	15.34	17	0	
5	QPSK	1	14	15.38	15.27	15.25			
5	QPSK	12	0	15.05	15.34	15.21			
5	QPSK	12	7	15.16	15.09	15.31	17	0	
5	QPSK	12	13	15.25	15.23	15.24			
5	QPSK	25	0	15.24	15.20	15.23			
5	16QAM	1	0	15.14	15.24	15.24			
5	16QAM	1	10	15.29	15.10	15.12	17	0	
5	16QAM	1	24	15.15	15.18	15.08			
5	16QAM	12	0	15.18	15.24	15.38			
5	16QAM	12	7	15.08	15.17	15.04	17	0	
5	16QAM	12	13	15.10	15.21	15.07			
5	16QAM	25	0	15.14	15.04	15.24			
5	64QAM	1	0	15.35	15.17	15.02			
5	64QAM	1	12	15.04	15.08	15.19	17	0	
5	64QAM	13	24	15.13	15.06	15.12			
5	64QAM	12	0	15.32	15.10	15.06			
5	64QAM	12	7	15.18	15.14	15.20	17	0	
5	64QAM	12	13	15.28	15.24	15.27			
5	64QAM	25	0	15.20	15.19	15.18			

Band 13 Ant0 DS13&4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23230			25.5	0	
Frequency (MHz)				782					
10	QPSK	1	0		24.56				
10	QPSK	1	25		24.48				
10	QPSK	1	49		24.41				
10	QPSK	25	0		23.38		24.5	1	
10	QPSK	25	12		23.28				
10	QPSK	25	25		23.29				
10	QPSK	50	0		23.41				
10	16QAM	1	0		23.54				
10	16QAM	1	25		23.46				
10	16QAM	1	49		23.39		24.5	1	
10	16QAM	25	0		22.38				
10	16QAM	25	12		22.27				
10	16QAM	25	25		22.24		23.5	2	
10	16QAM	50	0		22.36				
10	64QAM	1	0		22.59				
10	64QAM	1	25		22.50				
10	64QAM	1	49		22.39				
10	64QAM	25	0		21.34				
10	64QAM	25	12		21.21		22.5	3	
10	64QAM	25	25		21.28				
10	64QAM	50	0		21.49				
Channel				23205	23230	23255	25.5	0	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	24.34	24.47	24.37	25.5	0	
5	QPSK	1	12	24.24	24.35	24.30			
5	QPSK	1	24	24.23	24.32	24.22			
5	QPSK	12	0	23.21	23.27	23.19	24.5	1	
5	QPSK	12	7	23.10	23.18	23.07			
5	QPSK	12	13	23.12	23.19	23.10			
5	QPSK	25	0	23.18	23.33	23.18	24.5	1	
5	16QAM	1	0	23.34	23.44	23.32			
5	16QAM	1	12	23.29	23.37	23.27			
5	16QAM	1	24	23.18	23.26	23.19	23.5	2	
5	16QAM	12	0	22.25	22.28	22.16			
5	16QAM	12	7	22.06	22.20	22.07			
5	16QAM	12	13	22.03	22.12	22.03	23.5	2	
5	16QAM	25	0	22.16	22.26	22.15			
5	64QAM	1	0	22.43	22.46	22.38			
5	64QAM	1	12	22.26	22.43	22.35	23.5	2	
5	64QAM	1	24	22.22	22.28	22.24			
5	64QAM	12	0	21.16	21.25	21.17			
5	64QAM	12	7	21.03	21.10	21.01	22.5	3	
5	64QAM	12	13	21.09	21.20	21.10			
5	64QAM	25	0	21.25	21.37	21.31			

Band 17 Ant0 DS13&4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800	25.5	0	
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.49	24.56	24.53			
10	QPSK	1	25	24.40	24.46	24.38			
10	QPSK	1	49	24.42	24.49	24.39			
10	QPSK	25	0	23.42	23.46	23.45	24.5	1	
10	QPSK	25	12	23.29	23.34	23.39			
10	QPSK	25	25	23.32	23.38	23.36			
10	QPSK	50	0	23.40	23.43	23.40			
10	16QAM	1	0	23.49	23.59	23.55	24.5	1	
10	16QAM	1	25	23.38	23.44	23.34			
10	16QAM	1	49	23.41	23.47	23.37			
10	16QAM	25	0	22.45	22.44	22.47			
10	16QAM	25	12	22.26	22.35	22.38			
10	16QAM	25	25	22.35	22.39	22.35	23.5	2	
10	16QAM	50	0	22.35	22.43	22.44			
10	64QAM	1	0	22.48	22.54	22.54			
10	64QAM	1	25	22.35	22.42	22.32			
10	64QAM	1	49	22.45	22.42	22.34			
10	64QAM	25	0	21.42	21.48	21.52	22.5	3	
10	64QAM	25	12	21.26	21.34	21.38			
10	64QAM	25	25	21.37	21.35	21.30			
10	64QAM	50	0	21.40	21.39	21.49			
Channel				23755 <th>23790</th> <th>23825</th> <th rowspan="2">25.5</th> <th colspan="2" rowspan="5">0</th>	23790	23825	25.5	0	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.44	24.41	24.44			
5	QPSK	1	12	24.32	24.32	24.28			
5	QPSK	1	24	24.28	24.41	24.33			
5	QPSK	12	0	23.31	23.34	23.34	24.5	1	
5	QPSK	12	7	23.19	23.26	23.24			
5	QPSK	12	13	23.21	23.32	23.21			
5	QPSK	25	0	23.30	23.31	23.25			
5	16QAM	1	0	23.40	23.44	23.41			
5	16QAM	1	12	23.23	23.34	23.19	24.5	1	
5	16QAM	1	24	23.31	23.35	23.32			
5	16QAM	12	0	22.31	22.33	22.40			
5	16QAM	12	7	22.18	22.27	22.26			
5	16QAM	12	13	22.27	22.32	22.21			
5	16QAM	25	0	22.25	22.36	22.30	23.5	2	
5	64QAM	1	0	22.38	22.47	22.45			
5	64QAM	1	12	22.26	22.29	22.22			
5	64QAM	1	24	22.30	22.36	22.19			
5	64QAM	12	0	21.35	21.34	21.43			
5	64QAM	12	7	21.15	21.29	21.28	22.5	3	
5	64QAM	12	13	21.23	21.24	21.16			
5	64QAM	25	0	21.32	21.30	21.37			

Band 26 Ant0 DS13&4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				26765	26865	26965	25.5	0			
Frequency (MHz)				821.5	831.5	841.5					
15	QPSK	1	0	24.55	24.60	24.57	24.5			1	
15	QPSK	1	37	24.43	24.46	24.51					
15	QPSK	1	74	24.43	24.49	24.46					
15	QPSK	36	0	23.52	23.59	23.58					
15	QPSK	36	20	23.46	23.43	23.44	24.5	1			
15	QPSK	36	39	23.43	23.54	23.52					
15	QPSK	75	0	23.56	23.64	23.50					
15	16QAM	1	0	23.58	23.58	23.62					
15	16QAM	1	37	23.39	23.46	23.46	24.5	1			
15	16QAM	1	74	23.48	23.51	23.49					
15	16QAM	36	0	22.51	22.65	22.54					
15	16QAM	36	20	22.41	22.50	22.50					
15	16QAM	36	39	22.44	22.56	22.48	23.5	2			
15	16QAM	75	0	22.59	22.63	22.50					
15	64QAM	1	0	22.59	22.55	22.62					
15	64QAM	1	37	22.35	22.52	22.47					
15	64QAM	1	74	22.48	22.56	22.50	23.5	2			
15	64QAM	36	0	21.47	21.69	21.56					
15	64QAM	36	20	21.43	21.54	21.56					
15	64QAM	36	39	21.46	21.63	21.46					
15	64QAM	75	0	21.56	21.58	21.49	22.5	3			
Channel				26740	26865	26990					
Frequency (MHz)				819	831.5	844	Tune-up limit (dBm)	MPR (dB)			
10	QPSK	1	0	24.46	24.52	24.47	25.5	0			
10	QPSK	1	25	24.26	24.32	24.41					
10	QPSK	1	49	24.31	24.38	24.32					
10	QPSK	25	0	23.36	23.50	23.44					
10	QPSK	25	12	23.36	23.33	23.29	24.5	1			
10	QPSK	25	25	23.28	23.41	23.42					
10	QPSK	50	0	23.42	23.57	23.36					
10	16QAM	1	0	23.50	23.48	23.52					
10	16QAM	1	25	23.28	23.31	23.34	24.5	1			
10	16QAM	1	49	23.39	23.43	23.38					
10	16QAM	25	0	22.43	22.54	22.48					
10	16QAM	25	12	22.38	22.38	22.40					
10	16QAM	25	25	22.32	22.48	22.35	23.5	2			
10	16QAM	50	0	22.47	22.54	22.43					
10	64QAM	1	0	22.49	22.47	22.53					
10	64QAM	1	25	22.26	22.42	22.34					
10	64QAM	1	49	22.35	22.49	22.43	23.5	2			
10	64QAM	25	0	21.38	21.55	21.42					
10	64QAM	25	12	21.31	21.42	21.46					
10	64QAM	25	25	21.25	21.38	21.35					
10	64QAM	50	0	21.47	21.48	21.36	22.5	3			
Channel				26715	26865	27015					
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dBm)	MPR (dB)			
5	QPSK	1	0	24.46	24.46	24.44	25.5	0			
5	QPSK	1	12	24.31	24.31	24.37					
5	QPSK	1	24	24.29	24.36	24.38					
5	QPSK	12	0	23.39	23.51	23.50					
5	QPSK	12	7	23.32	23.30	23.33	24.5	1			
5	QPSK	12	13	23.32	23.33	23.41					
5	QPSK	25	0	23.44	23.54	23.39					
5	16QAM	1	0	23.45	23.44	23.52					
5	16QAM	1	12	23.26	23.33	23.34	24.5	1			
5	16QAM	1	24	23.37	23.40	23.38					
5	16QAM	12	0	22.37	22.57	22.42					
5	16QAM	12	7	22.32	22.36	22.38					
5	16QAM	12	13	22.33	22.45	22.38	23.5	2			
5	16QAM	25	0	22.43	22.54	22.36					
5	64QAM	1	0	22.51	22.42	22.54					
5	64QAM	1	12	22.23	22.39	22.38					
5	64QAM	1	24	22.41	22.43	22.40	23.5	2			
5	64QAM	12	0	21.36	21.61	21.46					
5	64QAM	12	7	21.28	21.45	21.44					
5	64QAM	12	13	21.38	21.54	21.32					
5	64QAM	25	0	21.49	21.47	21.35	22.5	3			
Channel				26715	26865	27015					
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dBm)	MPR (dB)			
3	QPSK	1	0	24.48	24.45	24.45	25.5	0			
3	QPSK	1	8	24.30	24.32	24.43					
3	QPSK	1	14	24.35	24.33	24.31					
3	QPSK	8	0	23.38	23.45	23.49					
3	QPSK	8	4	23.39	23.28	23.35	24.5	1			
3	QPSK	8	7	23.26	23.43	23.38					
3	QPSK	16	0	23.48	23.56	23.37					
3	16QAM	1	0	23.45	23.45	23.48					
3	16QAM	1	8	23.26	23.33	23.31	24.5	1			
3	16QAM	1	14	23.37	23.40	23.33					
3	16QAM	8	0	22.39	22.54	22.42					
3	16QAM	8	4	22.31	22.39	22.42					
3	16QAM	8	7	22.30	22.43	22.34	23.5	2			
3	16QAM	15	0	22.49	22.53	22.39					
3	64QAM	1	0	22.47	22.48	22.55					
3	64QAM	1	8	22.24	22.38	22.31					
3	64QAM	1	14	22.32	22.45	22.35	23.5	2			
3	64QAM	8	0	21.33	21.56	21.48					
3	64QAM	8	4	21.31	21.37	21.43					
3	64QAM	8	7	21.37	21.55	21.31					
3	64QAM	15	0	21.45	21.48	21.42	22.5	3			
Channel				26697	26865	27033					
Frequency (MHz)				814.7	831.5	848.3	Tune-up limit (dBm)	MPR (dB)			
1.4	QPSK	1	0	24.38	24.43	24.50	25.5	0			
1.4	QPSK	1	3	24.29	24.36	24.40					
1.4	QPSK	1	3	24.27	24.40	24.38					
1.4	QPSK	3	0	24.43	24.46	24.49					
1.4	QPSK	3	1	24.36	24.35	24.28	24.5	1			
1.4	QPSK	3	3	24.28	24.45	24.37					
1.4	QPSK	6	0	23.41	23.47	23.40					
1.4	16QAM	1	0	23.51	23.49	23.47					
1.4	16QAM	1	3	23.31	23.37	23.33	24.5	1			
1.4	16QAM	1	3	23.35	23.36	23.38					
1.4	16QAM	3	0	23.38	23.52	23.42					
1.4	16QAM	3	1	23.26	23.42	23.41					
1.4	16QAM	3	3	23.31	23.40	23.33	23.5	2			
1.4	16QAM	6	0	22.47	22.56	22.43					
1.4	64QAM	1	0	22.46	22.38	22.53					
1.4	64QAM	1	3	22.25	22.43	22.39					
1.4	64QAM	1	5	22.35	22.46	22.35	23.5	2			
1.4	64QAM	3	0	22.38	22.42	22.41					
1.4	64QAM	3	1	22.27	22.42	22.48					
1.4	64QAM	3	3	22.33	22.51	22.36					
1.4	64QAM	6	0	21.43	21.49	21.34	22.5	3			

Band 38 Ant0 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.28	19.54	19.37	20.5	0	
20	QPSK	1	49	19.32	19.50	19.38			
20	QPSK	1	99	19.33	19.52	19.28			
20	QPSK	50	0	19.38	19.52	19.44	20.5	0	
20	QPSK	50	24	19.37	19.46	19.41			
20	QPSK	50	50	19.25	19.48	19.39			
20	QPSK	100	0	19.26	19.49	19.46	20.5	0	
20	16QAM	1	0	19.37	19.40	19.30			
20	16QAM	1	49	19.29	19.45	19.34			
20	16QAM	1	99	19.33	19.38	19.40	20.5	0	
20	16QAM	50	0	19.24	19.32	19.39			
20	16QAM	50	24	19.37	19.42	19.30			
20	16QAM	50	50	19.33	19.42	19.43	20.5	0	
20	16QAM	100	0	19.34	19.48	19.46			
20	64QAM	1	0	19.30	19.46	19.37			
20	64QAM	1	49	19.25	19.43	19.43	20.5	0	
20	64QAM	1	99	19.32	19.39	19.24			
20	64QAM	50	0	19.41	19.43	19.44			
20	64QAM	50	24	19.36	19.46	19.41	20.5	0	
20	64QAM	50	50	19.27	19.40	19.35			
20	64QAM	100	0	19.28	19.29	19.45			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.08	19.39	19.25	20.5	0	
15	QPSK	1	37	19.31	19.47	19.22			
15	QPSK	1	74	19.17	19.35	19.14			
15	QPSK	36	0	19.36	19.37	19.27	20.5	0	
15	QPSK	36	20	19.36	19.45	19.22			
15	QPSK	36	39	19.23	19.30	19.20			
15	QPSK	75	0	19.14	19.32	19.28	20.5	0	
15	16QAM	1	0	19.29	19.36	19.29			
15	16QAM	1	37	19.21	19.29	19.17			
15	16QAM	1	74	19.31	19.22	19.21	20.5	0	
15	16QAM	36	0	19.17	19.19	19.33			
15	16QAM	36	20	19.18	19.36	19.20			
15	16QAM	36	39	19.22	19.30	19.38	20.5	0	
15	16QAM	75	0	19.15	19.41	19.45			
15	64QAM	1	0	19.29	19.27	19.36			
15	64QAM	1	37	19.11	19.38	19.34	20.5	0	
15	64QAM	1	74	19.15	19.32	19.12			
15	64QAM	36	0	19.28	19.23	19.36			
15	64QAM	36	20	19.23	19.46	19.35	20.5	0	
15	64QAM	36	39	19.11	19.39	19.31			
15	64QAM	75	0	19.16	19.22	19.44			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	19.24	19.48	19.26	20.5	0	
10	QPSK	1	25	19.28	19.40	19.24			
10	QPSK	1	49	19.32	19.44	19.09			
10	QPSK	25	0	19.20	19.46	19.40	20.5	0	
10	QPSK	25	12	19.22	19.34	19.24			
10	QPSK	25	25	19.21	19.34	19.24			
10	QPSK	50	0	19.22	19.43	19.34	20.5	0	
10	16QAM	1	0	19.19	19.30	19.25			
10	16QAM	1	25	19.19	19.35	19.31			
10	16QAM	1	49	19.17	19.34	19.29	20.5	0	
10	16QAM	25	0	19.15	19.28	19.34			
10	16QAM	25	12	19.35	19.38	19.15			
10	16QAM	25	25	19.17	19.32	19.37	20.5	0	
10	16QAM	50	0	19.16	19.46	19.41			
10	64QAM	1	0	19.11	19.31	19.32			
10	64QAM	1	25	19.16	19.37	19.35	20.5	0	
10	64QAM	1	49	19.24	19.39	19.15			
10	64QAM	25	0	19.24	19.34	19.26			
10	64QAM	25	12	19.18	19.35	19.21	20.5	0	
10	64QAM	25	25	19.17	19.29	19.24			
10	64QAM	50	0	19.19	19.19	19.40			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.10	19.51	19.30	20.5	0	
5	QPSK	1	12	19.13	19.32	19.25			
5	QPSK	1	24	19.29	19.35	19.14			
5	QPSK	12	0	19.26	19.36	19.26	20.5	0	
5	QPSK	12	7	19.33	19.36	19.29			
5	QPSK	12	13	19.09	19.34	19.34			
5	QPSK	25	0	19.14	19.36	19.26	20.5	0	
5	16QAM	1	0	19.32	19.34	19.21			
5	16QAM	1	12	19.14	19.26	19.26			
5	16QAM	1	24	19.18	19.23	19.28	20.5	0	
5	16QAM	12	0	19.09	19.31	19.31			
5	16QAM	12	7	19.30	19.28	19.12			
5	16QAM	12	13	19.19	19.39	19.26	20.5	0	
5	16QAM	25	0	19.22	19.33	19.42			
5	64QAM	1	0	19.22	19.41	19.19			
5	64QAM	1	12	19.16	19.26	19.23	20.5	0	
5	64QAM	1	24	19.31	19.35	19.17			
5	64QAM	12	0	19.33	19.37	19.28			
5	64QAM	12	7	19.25	19.39	19.37	20.5	0	
5	64QAM	12	13	19.26	19.26	19.23			
5	64QAM	25	0	19.11	19.14	19.37			

Band 41 Ant0 DSI3&4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.63	19.60	19.65	19.56	19.56	20.5	0
20	QPSK	1	49	19.43	19.44	19.58	19.60	19.52		
20	QPSK	1	99	19.48	19.53	19.45	19.40	19.47		
20	QPSK	50	0	19.44	19.40	19.60	19.42	19.39		
20	QPSK	50	24	19.32	19.40	19.51	19.45	19.46	20.5	0
20	QPSK	50	50	19.32	19.38	19.44	19.23	19.36		
20	QPSK	100	0	19.44	19.43	19.56	19.42	19.45		
20	16QAM	1	0	19.23	19.36	19.49	19.48	19.47		
20	16QAM	1	49	19.38	19.52	19.43	19.31	19.40	20.5	0
20	16QAM	1	99	19.52	19.42	19.51	19.47	19.38		
20	16QAM	50	0	19.40	19.40	19.52	19.48	19.50		
20	16QAM	50	24	19.31	19.49	19.39	19.40	19.35		
20	16QAM	50	50	19.49	19.51	19.50	19.54	19.46	20.5	0
20	16QAM	100	0	19.39	19.41	19.38	19.51	19.46		
20	64QAM	1	0	19.40	19.46	19.38	19.24	19.36		
20	64QAM	1	49	19.45	19.40	19.53	19.55	19.52		
20	64QAM	1	99	19.36	19.27	19.51	19.46	19.48	20.5	0
20	64QAM	50	0	19.31	19.36	19.44	19.37	19.40		
20	64QAM	50	24	19.43	19.48	19.38	19.49	19.36		
20	64QAM	50	50	19.36	19.39	19.38	19.51	19.34		
20	64QAM	100	0	19.42	19.44	19.26	19.21	19.38		
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	19.62	19.48	19.48	19.44	19.56	20.50	0
15	QPSK	1	37	19.43	19.47	19.47	19.44	19.37		
15	QPSK	1	74	19.47	19.47	19.39	19.29	19.46		
15	QPSK	36	0	19.31	19.24	19.54	19.29	19.39		
15	QPSK	36	20	19.15	19.31	19.32	19.35	19.29	20.5	0
15	QPSK	36	39	19.24	19.36	19.38	19.11	19.23		
15	QPSK	75	0	19.31	19.24	19.36	19.33	19.43		
15	16QAM	1	0	19.09	19.24	19.40	19.33	19.36		
15	16QAM	1	37	19.23	19.45	19.43	19.27	19.38	20.5	0
15	16QAM	1	74	19.37	19.34	19.45	19.28	19.33		
15	16QAM	36	0	19.33	19.38	19.38	19.38	19.32		
15	16QAM	36	20	19.13	19.31	19.20	19.28	19.17		
15	16QAM	36	39	19.30	19.51	19.48	19.44	19.30	20.5	0
15	16QAM	75	0	19.24	19.35	19.36	19.41	19.35		
15	64QAM	1	0	19.34	19.43	19.37	19.13	19.26		
15	64QAM	1	37	19.26	19.34	19.52	19.41	19.36		
15	64QAM	1	74	19.27	19.25	19.34	19.34	19.42	20.5	0
15	64QAM	36	0	19.30	19.22	19.26	19.29	19.37		
15	64QAM	36	20	19.40	19.39	19.32	19.46	19.34		
15	64QAM	36	39	19.24	19.24	19.23	19.40	19.28		
15	64QAM	75	0	19.39	19.25	19.22	19.12	19.32		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.48	19.55	19.54	19.51	19.45	20.50	0
10	QPSK	1	25	19.39	19.34	19.40	19.44	19.46		
10	QPSK	1	49	19.47	19.43	19.33	19.39	19.46		
10	QPSK	25	0	19.38	19.32	19.53	19.38	19.34		
10	QPSK	25	12	19.16	19.29	19.42	19.39	19.35	20.5	0
10	QPSK	25	25	19.32	19.31	19.41	19.13	19.29		
10	QPSK	50	0	19.25	19.25	19.44	19.41	19.42		
10	16QAM	1	0	19.22	19.24	19.35	19.45	19.41		
10	16QAM	1	25	19.34	19.47	19.28	19.27	19.26	20.5	0
10	16QAM	1	49	19.33	19.32	19.47	19.28	19.21		
10	16QAM	25	0	19.26	19.23	19.48	19.37	19.37		
10	16QAM	25	12	19.15	19.46	19.22	19.35	19.25		
10	16QAM	25	25	19.36	19.37	19.34	19.43	19.37	20.5	0
10	16QAM	50	0	19.29	19.24	19.31	19.31	19.45		
10	64QAM	1	0	19.37	19.32	19.20	19.19	19.31		
10	64QAM	1	25	19.34	19.21	19.44	19.39	19.44		
10	64QAM	1	49	19.24	19.22	19.43	19.29	19.33	20.5	0
10	64QAM	25	0	19.22	19.26	19.43	19.36	19.39		
10	64QAM	25	12	19.35	19.47	19.34	19.40	19.35		
10	64QAM	25	25	19.22	19.32	19.33	19.35	19.17		
10	64QAM	50	0	19.40	19.43	19.03	19.13	19.30		
Channel				39715	40143	40620	41093	41555	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.48	19.42	19.50	19.45	19.41	20.50	0
5	QPSK	1	12	19.36	19.39	19.42	19.52	19.37		
5	QPSK	1	24	19.40	19.34	19.34	19.25	19.40		
5	QPSK	12	0	19.42	19.31	19.41	19.26	19.27		
5	QPSK	12	7	19.24	19.38	19.48	19.35	19.43	20.5	0
5	QPSK	12	13	19.24	19.37	19.31	19.14	19.25		
5	QPSK	25	0	19.25	19.34	19.48	19.40	19.27		
5	16QAM	1	0	19.22	19.22	19.47	19.33	19.27		
5	16QAM	1	12	19.37	19.49	19.39	19.31	19.33	20.5	0
5	16QAM	1	24	19.52	19.40	19.39	19.32	19.36		
5	16QAM	12	0	19.21	19.28	19.44	19.28	19.50		
5	16QAM	12	7	19.12	19.43	19.36	19.36	19.20		
5	16QAM	12	13	19.42	19.43	19.38	19.54	19.29	20.5	0
5	16QAM	25	0	19.32	19.36	19.31	19.48	19.33		
5	64QAM	1	0	19.37	19.46	19.36	19.15	19.21		
5	64QAM	1	12	19.40	19.31	19.39	19.54	19.48		
5	64QAM	1	24	19.23	19.24	19.39	19.41	19.36	20.5	0
5	64QAM	12	0	19.14	19.30	19.43	19.19	19.26		
5	64QAM	12	7	19.42	19.37	19.26	19.33	19.25		
5	64QAM	12	13	19.32	19.30	19.29	19.44	19.33		
5	64QAM	25	0	19.23	19.33	19.14	19.17	19.25		

GSM1900 Ant1 DSIS&4

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	29.31	29.34	28.97	30.00	20.31	20.34	19.97	21.00
GSM 1 Tx slot	29.23	29.26	28.89	30.00	20.23	20.26	19.89	21.00
GPRS 1 Tx slot	28.86	28.91	28.74	29.50	22.86	22.91	22.74	23.50
GPRS 2 Tx slots	26.36	26.38	26.13	27.50	22.10	22.12	21.87	23.24
GPRS 3 Tx slots	25.26	25.28	24.93	26.00	22.26	22.28	21.93	23.00
EDGE 1 Tx slot	25.39	25.31	25.32	25.50	16.39	16.31	16.32	16.50
EDGE 2 Tx slots	24.38	24.33	24.33	24.50	18.38	18.33	18.33	18.50
EDGE 3 Tx slots	22.39	22.32	22.42	22.50	18.13	18.06	18.16	18.24
EDGE 4 Tx slots	21.37	21.46	21.23	21.50	18.37	18.46	18.23	18.50

WCDMA II Ant1 DSIS&4

WCDMA IV Ant1 DSIS&4

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
TX Channel	9662	9800	9938		1537	1638	1738	
Rx Channel	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
Frequency (MHz)	21.21	21.27	21.25	22.50	24.69	24.72	24.75	25.50
3GPP Rel 99 AMR 12.2Kbps	21.23	21.35	21.32	22.50	24.78	24.85	24.83	25.50
3GPP Rel 6 HSDPA Subtest-1	20.31	20.42	20.26	21.50	23.93	23.94	23.81	24.50
3GPP Rel 6 HSDPA Subtest-2	20.25	20.56	20.42	21.50	23.81	23.84	23.87	24.50
3GPP Rel 6 HSDPA Subtest-3	19.91	19.87	19.85	21.00	23.26	23.43	23.44	24.00
3GPP Rel 6 HSDPA Subtest-4	19.77	19.83	19.80	21.00	23.28	23.49	23.28	24.00
3GPP Rel 8 DC-HSDPA Subtest-1	20.37	20.30	20.39	21.50	23.85	23.81	23.91	24.50
3GPP Rel 8 DC-HSDPA Subtest-2	20.27	20.45	20.43	21.50	23.88	23.85	23.98	24.50
3GPP Rel 8 DC-HSDPA Subtest-3	19.93	20.00	19.96	21.00	23.37	23.36	23.36	24.00
3GPP Rel 8 DC-HSDPA Subtest-4	19.91	19.88	19.82	21.00	23.28	23.39	23.48	24.00
3GPP Rel 6 HSUPA Subtest-1	20.38	20.45	20.46	21.50	23.83	23.90	23.95	24.50
3GPP Rel 6 HSUPA Subtest-2	18.22	18.47	18.20	19.50	21.85	21.81	21.97	22.50
3GPP Rel 6 HSUPA Subtest-3	19.41	19.50	19.40	20.50	22.73	22.81	23.00	23.50
3GPP Rel 6 HSUPA Subtest-4	18.30	18.49	18.33	19.50	21.79	21.82	21.98	22.50
3GPP Rel 6 HSUPA Subtest-5	20.33	20.43	20.21	21.50	23.76	23.84	23.97	24.50



Band 2 Ant1 DS13&4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				18700	18900	19100						
20	QPSK	1	0	22.30	22.42	22.26	23.5	0				
20	QPSK	1	49	22.17	22.28	22.17						
20	QPSK	1	99	22.24	22.32	22.12						
20	QPSK	50	0	21.29	21.52	21.32						
20	QPSK	50	24	21.17	21.38	21.23	22.5	1				
20	QPSK	50	50	21.21	21.43	21.27						
20	QPSK	100	0	21.26	21.41	21.22						
20	16QAM	1	0	21.32	21.45	21.21						
20	16QAM	1	49	21.18	21.28	21.20	22.5	1				
20	16QAM	1	99	21.24	21.34	21.09						
20	16QAM	50	0	20.28	20.51	20.31						
20	16QAM	50	24	20.18	20.36	20.25						
20	16QAM	50	50	20.20	20.42	20.27	21.5	2				
20	16QAM	100	0	20.23	20.45	20.17						
20	64QAM	1	0	20.32	20.42	20.24						
20	64QAM	1	49	20.18	20.30	20.16						
20	64QAM	1	99	20.25	20.37	20.09	21.5	2				
20	64QAM	50	0	19.30	19.55	19.31						
20	64QAM	50	24	19.21	19.33	19.30						
20	64QAM	50	50	19.16	19.44	19.28						
20	64QAM	100	0	19.25	19.41	19.18	20.5	3				
Channel												
Frequency (MHz)				18675	18900	19125				Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.17	22.37	22.14	23.5	0				
15	QPSK	1	37	22.05	22.16	22.01						
15	QPSK	1	74	22.12	22.19	22.05						
15	QPSK	36	0	21.16	21.39	21.25						
15	QPSK	36	20	21.05	21.24	21.09	22.5	1				
15	QPSK	36	39	21.09	21.32	21.13						
15	QPSK	75	0	21.20	21.27	21.07						
15	16QAM	1	0	21.18	21.35	21.08						
15	16QAM	1	37	21.11	21.21	21.11	22.5	1				
15	16QAM	1	74	21.15	21.22	21.02						
15	16QAM	36	0	20.13	20.39	20.21						
15	16QAM	36	20	20.07	20.28	20.14						
15	16QAM	36	39	20.10	20.33	20.17	21.5	2				
15	16QAM	75	0	20.10	20.37	20.07						
15	64QAM	1	0	20.26	20.32	20.15						
15	64QAM	1	37	20.10	20.25	20.10						
15	64QAM	1	74	20.13	20.22	20.06	21.5	2				
15	64QAM	36	0	19.20	19.47	19.17						
15	64QAM	36	20	19.13	19.23	19.19						
15	64QAM	36	39	19.22	19.29	19.21						
15	64QAM	75	0	19.19	19.28	19.09	20.5	3				
Channel												
Frequency (MHz)				18650 <th>18900</th> <th>19150</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	18900	19150				Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.21	22.32	22.17	23.5	0				
10	QPSK	1	25	22.03	22.17	22.08						
10	QPSK	1	49	22.13	22.19	22.09						
10	QPSK	25	0	21.15	21.46	21.21						
10	QPSK	25	12	21.09	21.25	21.13	22.5	1				
10	QPSK	25	25	21.09	21.31	21.18						
10	QPSK	50	0	21.14	21.32	21.14						
10	16QAM	1	0	21.21	21.38	21.13						
10	16QAM	1	25	21.13	21.14	21.14	22.5	1				
10	16QAM	1	49	21.19	21.21	21.05						
10	16QAM	25	0	20.15	20.38	20.19						
10	16QAM	25	12	20.09	20.31	20.16						
10	16QAM	25	25	20.08	20.31	20.14	21.5	2				
10	16QAM	50	0	20.14	20.34	20.10						
10	64QAM	1	0	20.22	20.37	20.13						
10	64QAM	1	25	20.04	20.19	20.10						
10	64QAM	1	49	20.14	20.28	20.06	21.5	2				
10	64QAM	25	0	19.20	19.36	19.25						
10	64QAM	25	12	19.08	19.21	19.22						
10	64QAM	25	25	19.10	19.37	19.16						
10	64QAM	50	0	19.13	19.33	19.07	20.5	3				
Channel												
Frequency (MHz)				18525	18900	19175				Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.19	22.29	22.15	23.5	0				
5	QPSK	1	12	22.07	22.15	22.04						
5	QPSK	1	24	22.11	22.22	22.02						
5	QPSK	12	0	21.19	21.44	21.18						
5	QPSK	12	7	21.22	21.30	21.15	22.5	1				
5	QPSK	12	13	21.14	21.36	21.21						
5	QPSK	25	0	21.17	21.29	21.10						
5	16QAM	1	0	21.22	21.38	21.11						
5	16QAM	1	12	21.11	21.13	21.09	22.5	1				
5	16QAM	1	24	21.17	21.21	21.04						
5	16QAM	12	0	20.21	20.40	20.26						
5	16QAM	12	7	20.07	20.25	20.13						
5	16QAM	12	13	20.12	20.33	20.19	21.5	2				
5	16QAM	25	0	20.09	20.33	20.09						
5	64QAM	1	0	20.25	20.32	20.16						
5	64QAM	1	12	20.07	20.20	20.04						
5	64QAM	1	24	20.14	20.29	20.01	21.5	2				
5	64QAM	12	0	19.22	19.39	19.26						
5	64QAM	12	7	19.17	19.24	19.25						
5	64QAM	12	13	19.08	19.34	19.15						
5	64QAM	25	0	19.15	19.30	19.09	20.5	3				
Channel												
Frequency (MHz)				18615 <th>18900<th>19185</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	18900 <th>19185</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	19185				Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	22.20	22.28	22.21	23.5	0				
3	QPSK	1	8	22.06	22.21	22.11						
3	QPSK	1	14	22.17	22.22	22.01						
3	QPSK	8	0	21.18	21.38	21.23						
3	QPSK	8	4	21.05	21.32	21.14	22.5	1				
3	QPSK	8	7	21.13	21.37	21.25						
3	QPSK	15	0	21.11	21.34	21.16						
3	16QAM	1	0	21.19	21.39	21.12						
3	16QAM	1	8	21.13	21.22	21.11	22.5	1				
3	16QAM	1	14	21.14	21.26	21.19						
3	16QAM	8	0	20.16	20.45	20.21						
3	16QAM	8	4	20.12	20.22	20.19						
3	16QAM	8	7	20.12	20.31	20.16	21.5	2				
3	16QAM	15	0	20.11	20.32	20.09						
3	64QAM	1	0	20.25	20.29	20.14						
3	64QAM	1	8	20.10	20.20	20.06						
3	64QAM	1	14	20.18	20.31	20.01	21.5	2				
3	64QAM	8	0	19.21	19.42	19.21						
3	64QAM	8	4	19.07	19.21	19.16						
3	64QAM	8	7	19.10	19.35	19.14						
3	64QAM	15	0	19.16	19.34	19.07	20.5	3				
Channel												
Frequency (MHz)				18507	18900	19193				Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.14	22.26	22.11	23.5	0				
1.4	QPSK	1	3	22.05	22.14	22.03						
1.4	QPSK	1	5	22.14	22.15	22.09						
1.4	QPSK	3	0	22.21	22.35	22.21						
1.4	QPSK	3	1	22.09	22.23	22.14	22.5	1				
1.4	QPSK	3	3	22.08	22.25	22.08						
1.4	QPSK	6	0	21.20	21.36	21.12						
1.4	16QAM	1	0	21.23	21.38	21.11						
1.4	16QAM	1	5	21.16	21.14	21.06	22.5	1				
1.4	16QAM	3	0	21.19	21.34	21.19						
1.4	16QAM	3	1	21.05	21.21	21.17						
1.4	16QAM	3	3	21.03	21.26	21.04						
1.4	16QAM	6	0	20.11	20.36	20.05	21.5	2				
1.4	64QAM	1	0	20.15	20.28	20.09						
1.4	64QAM	1	3	20.04	20.20	20.03						
1.4	64QAM	1	5	20.09	20.23	20.08						
1.4	64QAM	3	0	20.20	20.41	20.15	21.5	2				
1.4	64QAM	3	1	20.11	20.17	20.19						
1.4	64QAM	3	3	20.02	20.33	20.16						
1.4	64QAM	6	0	19.15	19.29	19.06						

GSM1900 Ant2 DSIS&4

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	28.50	1850.2	1880	1909.8	28.50
Frequency (MHz)	1850.2	1880	1909.8	28.50	1850.2	1880	1909.8	28.50
GSM 1 Tx slot	28.18	28.25	28.22	28.50	19.18	19.25	19.22	19.50
GPRS 1 Tx slot	28.15	28.12	28.24	28.50	19.15	19.12	19.24	19.50
GPRS 2 Tx slots	27.70	27.82	27.81	28.00	21.70	21.82	21.81	22.00
GPRS 3 Tx slots	25.47	25.32	25.42	26.00	21.21	21.06	21.16	21.74
GPRS 4 Tx slots	24.30	24.35	24.26	25.00	21.30	21.35	21.26	22.00
EDGE 1 Tx slot	24.21	24.32	24.29	24.50	15.21	15.32	15.29	15.50
EDGE 2 Tx slots	23.22	23.38	23.35	23.50	17.22	17.38	17.35	17.50
EDGE 3 Tx slots	20.77	20.88	20.91	21.00	16.51	16.62	16.65	16.74
EDGE 4 Tx slots	19.79	19.69	19.97	20.00	16.79	16.69	16.97	17.00

WCDMA IV Ant2 DSIS&4

Band		WCDMA IV			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	Tune-up Limit (dBm)
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	23.07	23.39	23.26	24.50
3GPP Rel 99	RMC 12.2Kbps	23.16	23.50	23.42	24.50
3GPP Rel 6	HSDPA Subtest-1	22.19	22.26	22.40	23.50
3GPP Rel 6	HSDPA Subtest-2	22.16	22.26	22.42	23.50
3GPP Rel 6	HSDPA Subtest-3	21.88	21.97	21.98	23.00
3GPP Rel 6	HSDPA Subtest-4	21.83	21.94	21.90	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.02	22.09	22.25	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.95	22.03	22.14	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.70	21.71	21.80	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.67	21.71	21.79	23.00
3GPP Rel 6	HSUPA Subtest-1	22.33	22.46	22.60	23.50
3GPP Rel 6	HSUPA Subtest-2	20.31	20.44	20.55	21.50
3GPP Rel 6	HSUPA Subtest-3	21.36	21.47	21.62	22.50
3GPP Rel 6	HSUPA Subtest-4	19.87	20.00	20.12	21.50
3GPP Rel 6	HSUPA Subtest-5	22.30	22.40	22.50	23.50



Band 4 Ant2 DS13&4													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel													
Frequency (MHz)				1720	1732.5	1745							
20	QPSK	1	0	23.25	23.33	23.30	24.5	0					
20	QPSK	1	49	23.24	23.32	23.24							
20	QPSK	1	99	23.24	23.32	23.19							
20	QPSK	50	0	22.27	22.53	22.46							
20	QPSK	50	24	22.32	22.39	22.50	23.5	1					
20	QPSK	50	50	22.36	22.36	22.52							
20	QPSK	100	0	22.58	22.59	22.53							
20	16QAM	1	0	22.85	22.98	23.14							
20	16QAM	1	49	23.07	23.18	23.30	23.5	1					
20	16QAM	1	99	22.93	23.02	23.17							
20	16QAM	50	0	21.23	21.30	21.52							
20	16QAM	50	24	21.30	21.39	21.48							
20	16QAM	50	50	21.23	21.28	21.48	22.5	2					
20	16QAM	100	0	21.17	21.27	21.50							
20	64QAM	1	0	21.29	21.26	21.41							
20	64QAM	1	49	21.30	21.39	21.57							
20	64QAM	1	99	21.27	21.34	21.65	22.5	2					
20	64QAM	50	0	19.97	20.25	20.29							
20	64QAM	50	24	20.01	20.11	20.22							
20	64QAM	50	50	19.97	20.12	20.29		21.5	3				
20	64QAM	100	0	20.09	20.23	20.22							
Channel													
Frequency (MHz)				20025	20175	20325	Tune-up limit (dBm)				MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5							
15	QPSK	1	0	23.02	23.05	23.06	24.5	0					
15	QPSK	1	37	23.10	23.26	23.04							
15	QPSK	1	74	22.92	23.05	23.10							
15	QPSK	36	0	22.08	22.09	22.30							
15	QPSK	36	20	22.06	22.14	22.35	23.5	1					
15	QPSK	36	39	22.01	22.10	22.31							
15	QPSK	75	0	22.03	22.16	22.33							
15	16QAM	1	0	21.75	22.02	22.13							
15	16QAM	1	37	21.77	22.11	22.17	23.5	1					
15	16QAM	1	74	21.72	22.03	22.16							
15	16QAM	36	0	21.08	21.11	21.23							
15	16QAM	36	20	21.07	21.14	21.26		22.5	2				
15	16QAM	36	39	21.00	21.12	21.27							
15	16QAM	75	0	21.04	21.09	21.23							
15	64QAM	1	0	20.93	20.97	21.17	22.5	2					
15	64QAM	1	37	20.91	21.15	21.23							
15	64QAM	1	74	20.91	21.04	21.27							
15	64QAM	36	0	20.02	20.17	20.26		21.5	3				
15	64QAM	36	20	20.04	20.24	20.32							
15	64QAM	36	39	20.07	20.18	20.29							
15	64QAM	75	0	20.02	20.10	20.26							
Channel													
Frequency (MHz)				20000	20150	20300					Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750							
10	QPSK	1	0	22.77	23.01	23.01	24.5	0					
10	QPSK	1	25	22.96	23.03	23.21							
10	QPSK	1	49	22.85	22.94	23.23							
10	QPSK	25	0	21.79	21.98	22.19		23.5	1				
10	QPSK	25	12	21.89	21.94	22.19							
10	QPSK	25	25	21.84	21.96	22.21							
10	QPSK	50	0	21.87	22.05	22.17	23.5	1					
10	16QAM	1	0	21.85	21.97	21.99							
10	16QAM	1	25	21.93	22.06	22.16							
10	16QAM	1	49	21.89	21.94	22.11		22.5	2				
10	16QAM	25	0	20.84	20.95	21.13							
10	16QAM	25	12	20.84	20.91	21.07							
10	16QAM	25	25	20.78	20.90	21.18		22.5	2				
10	16QAM	50	0	20.84	20.97	21.14							
10	64QAM	1	0	20.87	20.98	20.81	22.5	2					
10	64QAM	1	25	20.97	21.07	21.09							
10	64QAM	1	49	20.87	20.98	20.92							
10	64QAM	25	0	19.80	19.92	20.08		21.5	3				
10	64QAM	25	12	19.80	19.92	20.10							
10	64QAM	25	25	19.82	19.90	20.16							
10	64QAM	50	0	19.82	19.88	20.09							
Channel													
Frequency (MHz)				19975	20175	20375					Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5							
5	QPSK	1	0	22.91	23.04	23.23	24.5	0					
5	QPSK	1	12	23.04	23.08	23.22							
5	QPSK	1	24	22.92	23.03	23.14							
5	QPSK	12	0	21.67	21.85	22.01		23.5	1				
5	QPSK	12	7	21.70	21.78	22.00							
5	QPSK	12	13	21.65	21.75	21.92							
5	QPSK	25	0	21.68	21.83	22.01	23.5	1					
5	16QAM	1	0	21.86	21.78	21.92							
5	16QAM	1	12	21.78	21.77	22.02							
5	16QAM	1	24	21.79	21.75	21.84		22.5	2				
5	16QAM	12	0	20.69	20.83	21.04							
5	16QAM	12	7	20.68	20.74	20.99							
5	16QAM	12	13	20.63	20.75	20.96		22.5	2				
5	16QAM	25	0	20.70	20.88	21.06							
5	64QAM	1	0	20.75	20.97	21.18	22.5	2					
5	64QAM	1	12	20.81	20.98	21.12							
5	64QAM	1	24	20.79	20.99	21.20							
5	64QAM	12	0	19.75	20.01	20.18		21.5	3				
5	64QAM	12	7	19.85	20.03	20.16							
5	64QAM	12	13	19.70	20.04	20.13							
5	64QAM	25	0	19.75	19.99	20.17							
Channel													
Frequency (MHz)				19965	20175	20385					Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5							
3	QPSK	1	0	22.81	22.90	23.14	24.5	0					
3	QPSK	1	8	22.86	22.87	23.15							
3	QPSK	1	14	22.99	22.94	23.14							
3	QPSK	8	0	21.80	21.87	22.11		23.5	1				
3	QPSK	8	4	21.75	21.82	22.13							
3	QPSK	8	7	21.77	21.85	22.07							
3	QPSK	15	0	21.64	21.84	22.07	23.5	1					
3	16QAM	1	0	21.71	21.90	22.06							
3	16QAM	1	8	21.77	21.81	22.04							
3	16QAM	1	14	21.67	21.84	22.07		22.5	2				
3	16QAM	8	0	20.72	20.88	20.99							
3	16QAM	8	4	20.72	20.80	20.99							
3	16QAM	8	7	20.70	20.82	21.04		22.5	2				
3	16QAM	15	0	20.60	20.77	21.01							
3	64QAM	1	0	20.65	20.84	20.95	22.5	2					
3	64QAM	1	8	20.58	20.77	20.99							
3	64QAM	1	14	20.63	20.80	21.01							
3	64QAM	8	0	19.71	19.86	20.05		21.5	3				
3	64QAM	8	4	19.72	19.81	20.08							
3	64QAM	8	7	19.60	19.80	20.07							
3	64QAM	15	0	19.53	19.76	19.91							
Channel													
Frequency (MHz)				19957	20175	20393					Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3							
1.4	QPSK	1	0	22.92	23.08	23.13	24.5	0					
1.4	QPSK	1	3	22.97	23.16	23.29							
1.4	QPSK	1	5	22.97	23.13	23.16							
1.4	QPSK	3	0	23.00	23.09	23.29		23.5	1				
1.4	QPSK	3	1	22.93	23.13	23.27							
1.4	QPSK	3	3	22.88	23.01	23.30							
1.4	QPSK	6	0	21.84	22.03	22.21	23.5	1					
1.4	16QAM	1	0	21.84	22.04	22.26							
1.4	16QAM	1	24	21.90	22.07	22.28		22.5	2				
1.4	16QAM	1	5	22.03	22.12	22.27							
1.4	16QAM	3	0	21.82	21.89	22.21							
1.4	16QAM	3	1	21.86	21.97	22.21	22.5	2					
1.4	16QAM	3	3	21.80	21.91	22.25							
1.4	64QAM	1	0	20.86	21.04	21.20							
1.4	64QAM	1	3	20.86	20.96	21.22							
1.4	64QAM	3	0	20.86	21.06	21.22	22.5	2					
1.4	64QAM	3	1	20.86	21.06	21.22							
1.4	64QAM	3	0	20.88	21.06	21.24							
1.4	64QAM	3	1	20.94	21.06	21.30							
1.4	64QAM	3	3	20.83	20.98	21.20							
1.4	64QAM	6	0	19.84	20.03	20.15							

Band 38 Ant2 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	18.98	19.31	19.05	20	0	
20	QPSK	1	49	19.21	19.04	19.21			
20	QPSK	1	99	18.99	19.02	18.96			
20	QPSK	50	0	19.17	19.18	19.15	20	0	
20	QPSK	50	24	19.07	19.13	19.14			
20	QPSK	50	50	19.05	19.07	19.00			
20	QPSK	100	0	19.06	19.15	19.10	20	0	
20	16QAM	1	0	19.06	19.12	19.11			
20	16QAM	1	49	19.28	19.26	19.24			
20	16QAM	1	99	19.10	19.11	19.03	20	0	
20	16QAM	50	0	19.20	19.24	19.15			
20	16QAM	50	24	19.21	19.20	19.11			
20	16QAM	50	50	19.17	19.17	19.12	20	0	
20	16QAM	100	0	19.21	19.18	19.12			
20	64QAM	1	0	19.14	19.16	19.07			
20	64QAM	1	49	19.29	19.27	19.22	20	0	
20	64QAM	1	99	19.11	19.11	19.06			
20	64QAM	50	0	19.20	19.19	19.16			
20	64QAM	50	24	19.17	19.17	19.10	20	0	
20	64QAM	50	50	19.07	19.09	19.08			
20	64QAM	100	0	19.17	19.11	19.10			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	18.92	18.97	18.97	20	0	
15	QPSK	1	37	19.11	19.17	19.19			
15	QPSK	1	74	18.88	18.98	18.92			
15	QPSK	36	0	19.17	19.13	19.04	20	0	
15	QPSK	36	20	19.12	19.03	19.03			
15	QPSK	36	39	18.99	19.08	19.00			
15	QPSK	75	0	19.07	19.04	19.00	20	0	
15	16QAM	1	0	18.99	19.03	19.05			
15	16QAM	1	37	19.28	19.22	19.22			
15	16QAM	1	74	19.07	19.05	19.00	20	0	
15	16QAM	36	0	19.18	19.15	19.08			
15	16QAM	36	20	19.18	19.15	19.09			
15	16QAM	36	39	19.16	19.18	19.02	20	0	
15	16QAM	75	0	19.16	19.13	19.02			
15	64QAM	1	0	19.08	19.16	19.00			
15	64QAM	1	37	19.23	19.25	19.17	20	0	
15	64QAM	1	74	19.05	19.03	18.97			
15	64QAM	36	0	19.14	19.16	19.11			
15	64QAM	36	20	19.13	19.17	19.01	20	0	
15	64QAM	36	39	19.06	19.04	19.02			
15	64QAM	75	0	19.09	19.10	19.03			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	18.93	18.94	19.00	20	0	
10	QPSK	1	25	19.16	19.19	19.10			
10	QPSK	1	49	18.87	18.95	18.90			
10	QPSK	25	0	19.09	19.06	19.04	20	0	
10	QPSK	25	12	19.05	19.09	19.07			
10	QPSK	25	25	18.99	18.98	18.95			
10	QPSK	50	0	19.04	19.00	19.02	20	0	
10	16QAM	1	0	19.00	19.03	19.03			
10	16QAM	1	25	19.19	19.17	19.24			
10	16QAM	1	49	19.00	19.04	18.93	20	0	
10	16QAM	25	0	19.17	19.15	19.14			
10	16QAM	25	12	19.18	19.14	19.10			
10	16QAM	25	25	19.06	19.06	19.03	20	0	
10	16QAM	50	0	19.12	19.11	18.98			
10	64QAM	1	0	19.12	19.06	19.00			
10	64QAM	1	25	19.22	19.24	19.17	20	0	
10	64QAM	1	49	19.09	19.06	19.02			
10	64QAM	25	0	19.10	19.11	19.06			
10	64QAM	25	12	19.13	19.15	19.04	20	0	
10	64QAM	25	25	19.03	19.02	19.02			
10	64QAM	50	0	19.10	19.07	19.01			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	18.94	19.01	18.93	20	0	
5	QPSK	1	12	19.09	19.15	19.15			
5	QPSK	1	24	18.89	18.96	18.92			
5	QPSK	12	0	19.06	19.10	19.10	20	0	
5	QPSK	12	7	19.08	19.06	19.07			
5	QPSK	12	13	19.00	18.98	18.90			
5	QPSK	25	0	19.04	19.01	18.99	20	0	
5	16QAM	1	0	18.97	19.01	19.04			
5	16QAM	1	12	19.22	19.21	19.16			
5	16QAM	1	24	19.02	19.01	18.96	20	0	
5	16QAM	12	0	19.11	19.18	19.10			
5	16QAM	12	7	19.11	19.17	19.03			
5	16QAM	12	13	19.05	19.11	19.06	20	0	
5	16QAM	25	0	19.15	19.08	18.99			
5	64QAM	1	0	19.08	19.09	18.99			
5	64QAM	1	12	19.22	19.21	19.12	20	0	
5	64QAM	1	24	19.04	19.02	18.97			
5	64QAM	12	0	19.10	19.10	19.06			
5	64QAM	12	7	19.08	19.09	19.11	20	0	
5	64QAM	12	13	18.99	19.02	19.01			
5	64QAM	25	0	19.10	19.04	19.08			

Band 41 Ant2 DSI3&4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.29	19.31	19.53	19.27	19.39	20	0
20	QPSK	1	49	19.45	19.44	19.46	19.45	19.38		
20	QPSK	1	99	19.06	19.36	19.21	19.28	19.16		
20	QPSK	50	0	19.42	19.51	19.52	19.31	19.27		
20	QPSK	50	24	19.38	19.42	19.50	19.39	19.18	20	0
20	QPSK	50	50	19.30	19.34	19.33	19.25	19.22		
20	QPSK	100	0	19.21	19.40	19.41	19.17	19.18		
20	16QAM	1	0	19.38	19.36	19.50	19.25	19.35		
20	16QAM	1	49	19.33	19.54	19.60	19.45	19.37	20	0
20	16QAM	1	99	19.39	19.43	19.50	19.23	19.37		
20	16QAM	50	0	19.53	19.41	19.45	19.49	19.46		
20	16QAM	50	24	19.27	19.54	19.62	19.44	19.39		
20	16QAM	50	50	19.32	19.44	19.49	19.23	19.22	20	0
20	16QAM	100	0	19.35	19.39	19.63	19.39	19.37		
20	64QAM	1	0	19.31	19.40	19.59	19.31	19.31		
20	64QAM	1	49	19.42	19.65	19.52	19.52	19.56		
20	64QAM	1	99	19.28	19.32	19.52	19.41	19.25	20	0
20	64QAM	50	0	19.53	19.57	19.64	19.43	19.41		
20	64QAM	50	24	19.36	19.57	19.54	19.38	19.30		
20	64QAM	50	50	19.42	19.44	19.54	19.31	19.44		
20	64QAM	100	0	19.39	19.42	19.56	19.39	19.32		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	19.04	19.04	19.33	19.11	19.16	20.00	0
15	QPSK	1	37	19.23	19.36	19.15	19.36	19.24		
15	QPSK	1	74	18.92	19.18	18.99	19.08	19.01		
15	QPSK	36	0	19.34	19.30	19.39	19.08	19.17		
15	QPSK	36	20	19.19	19.32	19.38	19.24	18.97	20	0
15	QPSK	36	39	19.04	19.24	19.16	18.94	19.00		
15	QPSK	75	0	19.06	19.30	19.14	18.99	18.93		
15	16QAM	1	0	19.20	19.13	19.20	19.11	19.25		
15	16QAM	1	37	19.17	19.41	19.32	19.22	19.21	20	0
15	16QAM	1	74	19.08	19.29	19.25	18.99	19.21		
15	16QAM	36	0	19.28	19.32	19.30	19.39	19.16		
15	16QAM	36	20	19.12	19.38	19.41	19.31	19.27		
15	16QAM	36	39	19.19	19.22	19.39	19.06	19.09	20	0
15	16QAM	75	0	19.06	19.25	19.55	19.15	19.12		
15	16QAM	1	0	19.22	19.26	19.46	19.22	19.23		
15	64QAM	1	37	19.15	19.51	19.41	19.25	19.42		
15	64QAM	1	74	19.15	19.11	19.27	19.11	19.01	20	0
15	64QAM	36	0	19.37	19.48	19.53	19.32	19.18		
15	64QAM	36	20	19.18	19.32	19.28	19.18	19.15		
15	64QAM	36	39	19.14	19.23	19.41	19.15	19.24		
15	64QAM	75	0	19.08	19.24	19.39	19.09	19.06		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	19.21	19.16	19.23	19.03	19.14	20.00	0
10	QPSK	1	25	19.14	19.35	19.14	19.26	19.18		
10	QPSK	1	49	18.94	19.13	19.08	19.12	18.97		
10	QPSK	25	0	19.14	19.20	19.28	19.12	19.00		
10	QPSK	25	12	19.20	19.24	19.27	19.07	19.01	20	0
10	QPSK	25	25	19.06	19.22	19.12	19.06	19.09		
10	QPSK	50	0	19.09	19.21	19.16	18.85	18.87		
10	16QAM	1	0	19.20	19.14	19.41	19.16	19.04		
10	16QAM	1	25	19.19	19.26	19.37	19.34	19.24	20	0
10	16QAM	1	49	19.16	19.18	19.18	18.92	19.28		
10	16QAM	25	0	19.31	19.26	19.21	19.23	19.16		
10	16QAM	25	12	19.10	19.36	19.54	19.26	19.16		
10	16QAM	25	25	19.06	19.30	19.32	19.12	19.05	20	0
10	16QAM	50	0	19.18	19.17	19.38	19.30	19.12		
10	64QAM	1	0	19.12	19.21	19.44	19.09	19.20		
10	64QAM	1	25	19.10	19.40	19.30	19.39	19.43		
10	64QAM	1	49	19.13	19.20	19.26	19.18	18.99	20	0
10	64QAM	25	0	19.26	19.46	19.43	19.26	19.18		
10	64QAM	25	12	19.22	19.49	19.39	19.26	19.11		
10	64QAM	25	25	19.26	19.32	19.30	19.07	19.15		
10	64QAM	50	0	19.10	19.25	19.41	19.24	19.21		
Channel				40143	40143	40520	41093	41555		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	19.05	19.15	19.25	18.99	19.22	20.00	0
5	QPSK	1	12	19.32	19.27	19.35	19.22	19.27		
5	QPSK	1	24	18.88	19.08	19.09	19.16	18.96		
5	QPSK	12	0	19.12	19.42	19.40	19.13	19.16		
5	QPSK	12	7	19.07	19.10	19.35	19.30	19.00	20	0
5	QPSK	12	13	19.13	19.23	19.22	18.98	18.95		
5	QPSK	25	0	18.96	19.16	19.12	18.90	18.98		
5	16QAM	1	0	19.20	19.09	19.26	19.04	19.25		
5	16QAM	1	12	19.18	19.42	19.31	19.21	19.14	20	0
5	16QAM	1	24	19.25	19.11	19.19	19.14	19.18		
5	16QAM	12	0	19.25	19.25	19.28	19.22	19.20		
5	16QAM	12	7	19.14	19.38	19.41	19.18	19.20		
5	16QAM	12	13	19.17	19.16	19.24	19.19	19.03	20	0
5	16QAM	25	0	19.24	19.31	19.50	19.23	19.11		
5	64QAM	1	0	19.11	19.10	19.36	19.14	19.22		
5	64QAM	1	12	19.10	19.55	19.36	19.34	19.40		
5	64QAM	1	24	19.14	19.13	19.27	19.20	19.15	20	0
5	64QAM	12	0	19.41	19.39	19.39	19.21	19.21		
5	64QAM	12	7	19.20	19.43	19.24	19.23	19.02		
5	64QAM	12	13	19.11	19.16	19.42	19.16	19.24		
5	64QAM	25	0	19.18	19.32	19.42	19.19	19.05		

		GSM850 Ant4 DS14						
GSM850	Burst-Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8		
Frequency (MHz)	32.84	32.85	32.88	33.50	23.84	23.85	23.88	
GSM 1 Tx slot	32.84	32.88	32.83	33.50	23.84	23.88	23.83	
GPRS 1 Tx slot	31.54	31.56	31.53	32.50	25.54	25.56	25.53	
GPRS 2 Tx slots	29.52	29.55	29.52	30.50	25.26	25.29	25.26	
GPRS 3 Tx slots	28.43	28.44	28.42	29.50	25.43	25.44	25.42	
GPRS 4 Tx slots	26.44	26.66	26.64	27.50	17.44	17.66	17.64	
EDGE 1 Tx slot	25.46	25.47	25.43	25.50	19.46	19.47	19.43	
EDGE 2 Tx slots	23.43	23.67	23.55	24.00	19.17	19.41	19.29	
EDGE 3 Tx slots	22.27	22.50	22.30	23.50	19.27	19.50	19.30	
EDGE 4 Tx slots								

		GSM1900 Ant4 DS4							
GSM1900		Burst-Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		28.04	28.09	28.03	29.00	19.04	19.09	19.03	20.00
GPRS 1 Tx slot		28.02	28.06	28.01	29.00	19.02	19.06	19.01	20.00
GPRS 2 Tx slots		27.75	27.88	27.83	28.50	21.75	21.88	21.83	22.50
GPRS 3 Tx slots		25.19	25.16	25.39	25.50	20.93	20.90	21.13	21.24
GPRS 4 Tx slots		23.08	24.01	24.28	24.50	20.99	21.01	21.28	21.50
EDGE 1 Tx slot		24.08	24.19	24.36	24.50	15.08	15.19	15.36	15.50
EDGE 2 Tx slots		22.98	23.22	23.32	23.50	16.98	17.22	17.32	17.50
EDGE 3 Tx slots		20.99	21.06	21.27	21.50	16.73	16.80	17.01	17.24
EDGE 4 Tx slots		19.76	19.95	20.03	20.50	16.76	16.95	17.03	17.50

WCDMA II Ant4 DS14				WCDMA IV Ant4 DS14				WCDMA V Ant4 DS14					
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
	Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
	Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.73	22.83	22.67	24.50	22.23	22.31	22.32	23.50	23.41	23.55	23.48	24.50
3GPP Rel 99	RMC 12.2Kbps	22.82	22.87	22.72	24.50	22.18	22.40	22.28	23.50	23.45	23.57	23.51	24.50
3GPP Rel 6	HSDDPA Subtest-1	21.78	21.96	21.88	23.50	21.22	21.31	21.42	22.50	23.44	23.04	23.06	23.50
3GPP Rel 6	HSDDPA Subtest-2	21.99	22.14	21.82	23.50	21.28	21.32	21.33	22.50	22.46	22.55	22.60	23.50
3GPP Rel 6	HSDDPA Subtest-3	21.53	21.46	21.41	23.00	20.98	20.98	20.94	22.00	22.42	22.52	22.59	23.00
3GPP Rel 6	HSDDPA Subtest-4	21.31	21.44	21.34	23.00	21.01	20.98	20.90	22.00	22.00	22.03	22.11	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.02	22.17	21.78	23.50	21.17	21.16	21.32	22.50	23.32	23.35	23.40	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.96	21.82	21.99	23.50	21.25	21.24	21.17	22.50	22.23	22.44	22.42	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.44	21.42	21.49	23.00	20.87	20.82	20.72	22.00	22.19	22.32	22.51	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.27	21.43	21.34	23.00	20.70	20.76	20.74	22.00	21.94	21.96	22.06	23.00
3GPP Rel 6	HSUPA Subtest-1	21.90	21.87	21.86	23.50	21.46	21.49	21.58	22.50	20.40	20.53	20.52	23.50
3GPP Rel 6	HSUPA Subtest-2	19.99	19.87	19.96	21.50	19.37	19.47	19.54	20.50	20.43	20.50	20.53	21.50
3GPP Rel 6	HSUPA Subtest-3	20.99	21.05	20.71	22.50	20.57	20.51	20.65	21.50	21.46	21.52	21.56	22.50
3GPP Rel 6	HSUPA Subtest-4	20.04	20.03	19.97	21.50	19.04	19.06	19.13	20.50	20.00	20.10	20.14	21.50
3GPP Rel 6	HSUPA Subtest-5	21.97	22.18	21.95	23.50	21.40	21.40	21.48	22.50	21.40	21.50	21.50	23.50

Band 2 Ant4 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.80	21.80	21.80			
20	QPSK	1	49	21.82	21.86	21.79	23.5	0	
20	QPSK	1	99	21.81	21.85	21.81			
20	QPSK	50	0	21.88	21.89	21.77			
20	QPSK	50	24	21.80	21.90	21.86	23.5	0	
20	QPSK	50	50	21.72	21.78	21.79			
20	QPSK	100	0	21.73	21.82	21.84			
20	16QAM	1	0	21.86	21.80	21.75			
20	16QAM	1	49	21.83	21.81	21.81	23.5	0	
20	16QAM	1	99	21.90	21.90	21.83			
20	16QAM	50	0	21.84	21.58	21.61			
20	16QAM	50	24	21.61	21.57	21.54	23.5	0	
20	16QAM	50	50	21.56	21.62	21.59			
20	16QAM	100	0	21.63	21.72	21.61			
20	64QAM	1	0	21.63	21.86	21.79			
20	64QAM	1	49	21.75	21.66	21.64	23.5	0	
20	64QAM	1	99	21.81	21.82	21.71			
20	64QAM	50	0	20.80	20.72	20.70			
20	64QAM	50	24	20.78	20.70	20.54	22.5	1	
20	64QAM	50	50	20.69	20.79	20.64			
20	64QAM	100	0	20.85	20.70	20.78			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.73	22.83	22.57			
15	QPSK	1	37	22.81	22.73	22.73	23.5	0	
15	QPSK	1	74	22.79	22.65	22.73			
15	QPSK	36	0	22.80	22.71	22.60			
15	QPSK	36	20	22.63	22.85	22.80	23.5	0	
15	QPSK	36	39	22.54	22.65	22.68			
15	QPSK	75	0	22.57	22.73	22.80			
15	16QAM	1	0	22.76	22.74	22.64			
15	16QAM	1	37	22.75	22.66	22.69	23.5	0	
15	16QAM	1	74	22.78	22.76	22.82			
15	16QAM	36	0	22.63	22.60	22.55			
15	16QAM	36	20	22.56	22.56	22.56	23.5	0	
15	16QAM	36	39	22.58	22.58	22.57			
15	16QAM	75	0	22.63	22.62	22.58			
15	64QAM	1	0	22.52	22.63	22.64			
15	64QAM	1	37	22.60	22.61	22.67	23.5	0	
15	64QAM	1	74	22.59	22.72	22.64			
15	64QAM	36	0	21.59	21.68	21.56			
15	64QAM	36	20	21.53	21.49	21.50	22.5	1	
15	64QAM	36	39	21.60	21.61	21.62			
15	64QAM	75	0	21.55	21.60	21.44			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.68	22.93	22.64			
10	QPSK	1	25	22.76	22.82	22.77	23.5	0	
10	QPSK	1	49	22.66	22.81	22.63			
10	QPSK	25	0	22.73	22.76	22.67			
10	QPSK	25	12	22.67	22.75	22.68	23.5	0	
10	QPSK	25	25	22.67	22.64	22.68			
10	QPSK	50	0	22.64	22.69	22.69			
10	16QAM	1	0	22.74	22.77	22.58			
10	16QAM	1	25	22.76	22.79	22.77	23.5	0	
10	16QAM	1	49	22.84	22.72	22.68			
10	16QAM	25	0	22.68	22.65	22.64			
10	16QAM	25	12	22.68	22.70	22.61	23.5	0	
10	16QAM	25	25	22.63	22.69	22.50			
10	16QAM	50	0	22.61	22.60	22.48			
10	64QAM	1	0	22.53	22.63	22.68	23.5	0	
10	64QAM	1	25	22.67	22.58	22.66			
10	64QAM	1	49	22.55	22.66	22.58			
10	64QAM	25	0	21.61	21.65	21.73			
10	64QAM	25	12	21.56	21.61	21.50	22.5	1	
10	64QAM	25	25	21.57	21.80	21.53			
10	64QAM	50	0	21.42	21.49	21.39			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.73	22.87	22.65			
5	QPSK	1	12	22.73	22.76	22.63	23.5	0	
5	QPSK	1	24	22.61	22.75	22.63			
5	QPSK	12	0	22.88	22.78	22.58			
5	QPSK	12	7	22.63	22.89	22.72	23.5	0	
5	QPSK	12	13	22.57	22.65	22.70			
5	QPSK	25	0	22.63	22.77	22.75			
5	16QAM	1	0	22.83	22.73	22.69			
5	16QAM	1	12	22.76	22.80	22.69	23.5	0	
5	16QAM	1	24	22.69	22.51	22.63			
5	16QAM	12	0	22.62	22.54	22.59			
5	16QAM	12	7	22.66	22.61	22.55	23.5	0	
5	16QAM	12	13	22.48	22.51	22.48			
5	16QAM	25	0	22.49	22.50	22.44			
5	64QAM	1	0	22.48	22.44	22.40			
5	64QAM	1	12	22.58	22.61	22.51	23.5	0	
5	64QAM	1	24	22.33	22.42	22.45			
5	64QAM	12	0	21.53	21.35	21.27			
5	64QAM	12	7	21.49	21.49	21.34	22.5	1	
5	64QAM	12	13	21.25	21.25	21.23			
5	64QAM	25	0	21.42	21.39	21.38			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.65	22.92	22.60			
1.4	QPSK	1	3	22.64	22.70	22.69	23.5	0	
1.4	QPSK	1	5	22.80	22.73	22.75			
1.4	QPSK	3	0	22.72	22.77	22.68			
1.4	QPSK	3	1	22.63	22.79	22.77	23.5	0	
1.4	QPSK	3	3	22.73	22.82	22.62			
1.4	QPSK	6	0	22.75	22.71	22.61			
1.4	16QAM	1	0	22.71	22.87	22.82			
1.4	16QAM	1	3	21.65	22.71	22.60	23.5	0	
1.4	16QAM	1	5	22.55	22.76	22.79			
1.4	16QAM	3	0	22.77	22.64	22.69			
1.4	16QAM	3	1	22.72	22.67	22.78	23.5	0	
1.4	16QAM	3	3	22.80	22.81	22.66			
1.4	16QAM	6	0	22.62	22.59	22.56	23.5	0	
1.4	64QAM	1	0	22.67	22.62	22.51			
1.4	64QAM	1	3	22.66	22.58	22.49			
1.4	64QAM	1	5	22.50	22.63	22.64	23.5	0	
1.4	64QAM	3	0	22.39	22.51	22.47			
1.4	64QAM	3	1	22.51	22.49	22.39			
1.4	64QAM	3	3	22.44	22.42	22.46			
1.4	64QAM	6	0	21.70	21.60	21.48	22.5	1	

Band 4 Ant4 DS14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	21.55	21.65	21.51			
20	QPSK	1	49	21.48	21.54	21.48	22.5		0
20	QPSK	1	99	21.46	21.45	21.52			
20	QPSK	50	0	21.33	21.59	21.48			
20	QPSK	50	24	21.44	21.54	21.48	22.5		0
20	QPSK	50	50	21.51	21.45	21.47			
20	QPSK	100	0	21.32	21.52	21.39			
20	16QAM	1	0	21.32	21.50	21.24			
20	16QAM	1	49	21.44	21.46	21.47	22.5		0
20	16QAM	1	99	21.39	21.29	21.37			
20	16QAM	50	0	20.57	20.51	20.58			
20	16QAM	50	24	20.68	20.65	20.73	21.5		1
20	16QAM	50	50	20.56	20.55	20.52			
20	16QAM	100	0	20.66	20.58	20.75			
20	64QAM	1	0	20.64	20.39	20.44			
20	64QAM	1	49	20.60	20.56	20.61	21.5		1
20	64QAM	1	99	20.55	20.46	20.70			
20	64QAM	50	0	19.62	19.56	19.63			
20	64QAM	50	24	19.53	19.63	19.73	20.5		2
20	64QAM	50	50	19.71	19.52	19.62			
20	64QAM	100	0	19.64	19.62	19.67			
Channel				1717.5 <th>1732.5<th>1747.5</th><th></th><th></th><th></th></th>	1732.5 <th>1747.5</th> <th></th> <th></th> <th></th>	1747.5			
Frequency (MHz)				1717.5 <th>1732.5<th>1747.5</th><th></th><th></th><th></th></th>	1732.5 <th>1747.5</th> <th></th> <th></th> <th></th>	1747.5			
15	QPSK	1	0	21.53	21.51	21.49			
15	QPSK	1	37	21.42	21.42	21.30	22.5		0
15	QPSK	1	74	21.44	21.29	21.47			
15	QPSK	36	0	21.19	21.52	21.38			
15	QPSK	36	20	21.28	21.38	21.31	22.5		0
15	QPSK	36	39	21.37	21.43	21.44			
15	QPSK	75	0	21.31	21.42	21.21			
15	16QAM	1	0	21.17	21.50	21.21			
15	16QAM	1	37	21.29	21.39	21.28	22.5		0
15	16QAM	1	74	21.38	21.29	21.28			
15	16QAM	36	0	20.43	20.42	20.57			
15	16QAM	36	20	20.58	20.43	20.59	21.5		1
15	16QAM	36	39	20.59	20.56	20.52			
15	16QAM	75	0	20.53	20.45	20.62			
15	64QAM	1	0	20.38	20.51	20.69			
15	64QAM	1	37	20.70	20.74	20.64	21.5		1
15	64QAM	1	74	20.47	20.47	20.56			
15	64QAM	36	0	19.43	19.55	19.57			
15	64QAM	36	20	19.28	19.53	19.53	20.5		2
15	64QAM	36	39	19.36	19.42	19.59			
15	64QAM	75	0	19.46	19.46	19.63			
Channel				20000	20175	20350			
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	21.43	21.63	21.50			
10	QPSK	1	25	21.33	21.38	21.43	22.5		0
10	QPSK	1	49	21.44	21.44	21.33			
10	QPSK	25	0	21.28	21.52	21.45			
10	QPSK	25	12	21.41	21.51	21.35	22.5		0
10	QPSK	25	25	21.33	21.31	21.45			
10	QPSK	50	0	21.29	21.36	21.41			
10	16QAM	1	0	21.29	21.36	21.15			
10	16QAM	1	25	21.28	21.27	21.40	22.5		0
10	16QAM	1	49	21.29	21.25	21.22			
10	16QAM	25	0	20.87	20.83	20.98			
10	16QAM	25	12	20.79	20.81	20.98	21.5		1
10	16QAM	25	25	20.78	20.77	20.92			
10	16QAM	50	0	20.79	20.77	20.87			
10	64QAM	1	0	20.84	20.79	21.03			
10	64QAM	1	25	21.04	20.90	21.07	21.5		1
10	64QAM	1	49	20.84	20.71	20.96			
10	64QAM	25	0	19.53	19.55	19.83			
10	64QAM	25	12	19.54	19.62	19.78	20.5		2
10	64QAM	25	25	19.39	19.67	19.65			
10	64QAM	50	0	19.81	19.70	19.88			
Channel				1907.5	1922.5	1937.5			
Frequency (MHz)				1715.2	1732.5	1752.5			
5	QPSK	1	0	21.38	21.53	21.35			
5	QPSK	1	12	21.32	21.45	21.32	22.5		0
5	QPSK	1	24	21.45	21.32	21.41			
5	QPSK	12	0	21.14	21.48	21.40			
5	QPSK	12	7	21.27	21.44	21.36	22.5		0
5	QPSK	12	13	21.47	21.26	21.39			
5	QPSK	25	0	21.30	21.46	21.31			
5	16QAM	1	0	21.30	21.33	21.24			
5	16QAM	12	12	21.42	21.11	21.34	22.5		0
5	16QAM	1	24	21.30	21.10	21.30			
5	16QAM	12	0	20.79	20.88	21.00			
5	16QAM	12	7	20.79	20.80	20.98			
5	16QAM	12	13	20.71	20.77	20.91	21.5		1
5	16QAM	25	0	20.80	20.86	21.00			
5	64QAM	1	0	20.60	20.81	20.83			
5	64QAM	1	12	20.79	20.60	20.91	21.5		1
5	64QAM	1	24	20.45	20.46	21.01			
5	64QAM	12	12	19.65	19.94	19.82			
5	64QAM	12	7	19.62	19.65	19.81	20.5		2
5	64QAM	12	13	19.50	19.78	19.82			
5	64QAM	25	0	19.66	19.60	19.96			
Channel				19965 <th>20175<th>20385</th><th></th><th></th><th></th></th>	20175 <th>20385</th> <th></th> <th></th> <th></th>	20385			
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	21.51	21.50	21.39			
3	QPSK	1	8	21.38	21.54	21.46	22.5		0
3	QPSK	1	14	21.28	21.43	21.37			
3	QPSK	8	0	21.16	21.56	21.35			
3	QPSK	8	7	21.37	21.41	21.44	22.5		0
3	QPSK	8	7	21.40	21.40	21.42			
3	QPSK	15	0	21.18	21.34	21.25			
3	16QAM	1	0	21.27	21.45	21.17			
3	16QAM	1	8	21.28	21.37	21.40	22.5		0
3	16QAM	1	14	21.20	21.10	21.17			
3	16QAM	8	0	20.36	20.51	20.57			
3	16QAM	8	4	20.34	20.41	20.68	21.5		1
3	16QAM	8	8	20.47	20.17	20.44			
3	16QAM	15	0	20.44	20.49	20.65			
3	64QAM	1	0	20.48	20.66	20.64			
3	64QAM	1	8	20.58	20.69	20.78	21.5		1
3	64QAM	1	14	20.54	20.56	20.78			
3	64QAM	8	0	19.57	19.73	19.84			
3	64QAM	8	4	19.54	19.72	19.67	20.5		2
3	64QAM	8	7	19.65	19.62	19.75			
3	64QAM	15	0	19.42	19.53	19.79			
Channel				19567	20175	20393			
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	21.37	21.46	21.41			
1.4	QPSK	1	3	21.47	21.36	21.46	22.5		0
1.4	QPSK	1	5	21.44	21.37	21.33			
1.4	QPSK	3	0	21.50	21.58	21.33			
1.4	QPSK	3	1	21.38	21.49	21.31	22.5		0
1.4	QPSK	3	3	21.27	21.34	21.42			
1.4	QPSK	6	0	21.39	21.56	21.40			
1.4	16QAM	1	0	21.41	21.47	21.34			
1.4	16QAM	1	3	21.39	21.35	21.36	22.5		0
1.4	16QAM	1	5	21.32	21.42	21.31			
1.4	16QAM	3	0	21.29	21.38	21.19			
1.4	16QAM	3	1	21.42	21.43	21.37	22.5		0
1.4	16QAM	3	3	21.35	21.25	21.28			
1.4	16QAM	6	0	20.38	20.50	20.67			
1.4	64QAM	1	0	20.40	20.58	20.72			
1.4	64QAM	1	3	20.38	20.56	20.68	22.5		0
1.4	64QAM	1	5	20.45	20.53	20.69			
1.4	64QAM	3	0	20.25	20.36	20.65			
1.4	64QAM	3	1	20.43	20.47	20.55			
1.4	64QAM	3	3	20.42	20.31	20.57			
1.4	64QAM	6	0	19.40	19.50	19.75	21.5		1



Band 7 Ant4 DS14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.19	19.31	19.26	20.5	0	
20	QPSK	1	49	19.19	19.05	18.91			
20	QPSK	1	99	19.14	19.19	19.19			
20	QPSK	50	0	19.08	19.29	19.05			
20	QPSK	50	24	19.05	19.14	19.12	20.5	0	
20	QPSK	50	50	19.21	19.28	18.95			
20	QPSK	100	0	19.09	19.23	19.08			
20	16QAM	1	0	19.24	19.07	19.20			
20	16QAM	1	49	18.99	19.07	19.25	20.5	0	
20	16QAM	1	99	19.09	19.04	19.03			
20	16QAM	50	0	19.08	19.23	19.23			
20	16QAM	50	24	19.17	19.16	19.09			
20	16QAM	50	50	19.03	19.03	19.14	20.5	0	
20	16QAM	100	0	19.10	19.07	19.15			
20	64QAM	1	0	19.08	19.09	19.29			
20	64QAM	1	49	19.23	19.29	19.00			
20	64QAM	1	99	19.18	19.26	19.18	20.5	0	
20	64QAM	50	0	18.76	18.77	19.15			
20	64QAM	50	24	18.73	19.05	19.04			
20	64QAM	50	50	18.76	18.80	19.14			
20	64QAM	100	0	18.96	19.27	19.20			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	18.95	19.05	19.12	20.5	0	
15	QPSK	1	37	18.93	18.81	18.78			
15	QPSK	1	74	18.90	19.07	18.91			
15	QPSK	36	0	18.94	19.06	18.86			
15	QPSK	36	20	18.94	18.94	18.98	20.5	0	
15	QPSK	36	39	18.96	19.12	18.74			
15	QPSK	75	0	18.79	19.08	18.80			
15	16QAM	1	0	19.01	18.92	18.98			
15	16QAM	1	37	18.87	18.92	19.15	20.5	0	
15	16QAM	1	74	18.93	18.78	18.89			
15	16QAM	36	0	18.79	18.96	19.07			
15	16QAM	36	20	19.03	19.04	18.76			
15	16QAM	36	39	18.78	18.77	19.04	20.5	0	
15	16QAM	75	0	18.82	18.90	19.03			
15	64QAM	1	0	18.95	18.84	18.99			
15	64QAM	1	37	19.07	19.15	18.89			
15	64QAM	1	74	18.98	19.00	18.94	20.5	0	
15	64QAM	36	0	18.66	18.69	19.07			
15	64QAM	36	20	18.62	18.90	18.77			
15	64QAM	36	39	18.63	18.86	18.85			
15	64QAM	75	0	18.75	19.00	19.05			
Channel				20830	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.02	19.21	19.19	20.5	0	
10	QPSK	1	25	19.08	19.03	18.72			
10	QPSK	1	49	19.03	19.12	19.11			
10	QPSK	25	0	18.91	19.10	18.96			
10	QPSK	25	12	19.06	18.94	19.04	20.5	0	
10	QPSK	25	25	19.05	19.18	18.81			
10	QPSK	50	0	18.97	19.10	19.08			
10	16QAM	1	0	19.08	18.86	19.03			
10	16QAM	1	25	18.85	18.91	19.25	20.5	0	
10	16QAM	1	49	18.90	18.88	18.95			
10	16QAM	25	0	19.09	19.12	19.03			
10	16QAM	25	12	18.95	18.94	19.00			
10	16QAM	25	25	18.89	18.92	19.05	20.5	0	
10	16QAM	50	0	18.93	19.00	19.10			
10	64QAM	1	0	19.09	19.09	19.27			
10	64QAM	1	25	19.04	19.09	18.84			
10	64QAM	1	49	19.04	19.17	19.17	20.5	0	
10	64QAM	25	0	18.88	18.74	19.12			
10	64QAM	25	12	18.63	18.87	19.00			
10	64QAM	25	25	18.66	18.75	18.93			
10	64QAM	50	0	18.95	19.20	19.08			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.18	19.21	19.10	20.5	0	
5	QPSK	1	12	19.09	19.04	18.86			
5	QPSK	1	24	19.07	19.02	19.10			
5	QPSK	12	0	18.98	19.14	18.99			
5	QPSK	12	7	19.04	19.07	18.94	20.5	0	
5	QPSK	12	13	19.14	19.22	18.89			
5	QPSK	25	0	18.98	19.20	18.98			
5	16QAM	1	0	19.04	18.97	19.08			
5	16QAM	1	12	18.84	18.08	19.26	20.5	0	
5	16QAM	1	24	18.90	18.89	18.84			
5	16QAM	12	0	19.09	19.04	19.15			
5	16QAM	12	7	19.17	19.08	18.91			
5	16QAM	12	13	19.04	18.87	19.04	20.5	0	
5	16QAM	25	0	19.08	19.02	19.17			
5	64QAM	1	0	19.09	18.90	19.09			
5	64QAM	1	12	19.16	19.26	18.84			
5	64QAM	1	24	19.10	19.24	19.10	20.5	0	
5	64QAM	12	0	18.66	18.60	19.05			
5	64QAM	12	7	18.58	18.94	18.84			
5	64QAM	12	13	18.56	18.70	19.05			
5	64QAM	25	0	18.92	19.21	19.08			

Band 12 Ant4 DS14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.26	24.34	24.22	25.5	0	
10	QPSK	1	25	24.12	24.26	24.13			
10	QPSK	1	49	24.16	24.20	24.10			
10	QPSK	25	0	23.19	23.26	23.07			
10	QPSK	25	12	23.08	23.23	23.02	24.5	1	
10	QPSK	25	25	23.10	23.15	22.98			
10	QPSK	50	0	23.17	23.22	23.01			
10	16QAM	1	0	23.31	23.35	23.23			
10	16QAM	1	25	23.13	23.27	23.17	24.5	1	
10	16QAM	1	49	23.19	23.24	23.11			
10	16QAM	25	0	22.17	22.29	22.09			
10	16QAM	25	12	22.09	22.21	22.05			
10	16QAM	25	25	22.08	22.17	21.95	23.5	2	
10	16QAM	50	0	22.19	22.27	22.05			
10	64QAM	1	0	22.30	22.38	22.26			
10	64QAM	1	25	22.15	22.23	22.21			
10	64QAM	1	49	22.12	22.24	22.21	23.5	2	
10	64QAM	25	0	21.19	21.24	21.11			
10	64QAM	25	12	21.11	21.19	21.00			
10	64QAM	25	25	21.07	21.17	20.97			
10	64QAM	50	0	21.22	21.26	21.08			
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.16	24.28	24.13	25.5	0	
5	QPSK	1	12	24.00	24.17	24.03			
5	QPSK	1	24	24.04	24.14	23.97			
5	QPSK	12	0	23.06	23.16	23.00			
5	QPSK	12	7	23.00	23.16	22.93	24.5	1	
5	QPSK	12	13	22.97	23.08	22.86			
5	QPSK	25	0	23.07	23.17	22.94			
5	16QAM	1	0	23.22	23.20	23.10			
5	16QAM	1	12	23.06	23.17	23.02	24.5	1	
5	16QAM	1	24	23.04	23.10	22.95			
5	16QAM	12	0	22.07	22.18	21.99			
5	16QAM	12	7	21.99	22.10	21.87			
5	16QAM	12	13	22.03	22.10	21.81	23.5	2	
5	16QAM	25	0	22.13	22.14	22.00			
5	64QAM	1	0	22.22	22.27	22.20			
5	64QAM	1	12	22.09	22.14	22.12			
5	64QAM	1	24	21.98	22.17	22.02	23.5	2	
5	64QAM	12	0	21.06	21.18	21.00			
5	64QAM	12	7	21.01	21.12	20.88			
5	64QAM	12	13	20.94	21.02	20.81			
5	64QAM	25	0	21.09	21.17	20.99	22.5	3	
Channel				23025	23095	23185			
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.16	24.26	24.15	25.5	0	
3	QPSK	1	8	24.01	24.15	24.00			
3	QPSK	1	14	24.07	24.12	24.03			
3	QPSK	8	0	23.07	23.13	23.02			
3	QPSK	8	4	22.95	23.10	22.88	24.5	1	
3	QPSK	8	7	23.02	23.07	22.87			
3	QPSK	15	0	23.08	23.14	22.98			
3	16QAM	1	0	23.20	23.24	23.10			
3	16QAM	1	8	23.00	23.22	23.07	24.5	1	
3	16QAM	1	14	23.02	23.15	23.01			
3	16QAM	8	0	22.08	22.16	21.95			
3	16QAM	8	4	22.00	22.13	21.96			
3	16QAM	8	7	22.02	22.05	21.86	23.5	2	
3	16QAM	15	0	22.06	22.18	21.93			
3	84QAM	1	8	22.05	22.20	22.20			
3	84QAM	1	8	22.05	22.09	22.06			
3	84QAM	1	14	22.05	22.10	22.00	23.5	2	
3	84QAM	8	0	21.09	21.09	21.04			
3	84QAM	8	4	21.00	21.10	20.91			
3	84QAM	8	7	20.94	21.07	20.90			
3	84QAM	15	0	21.12	21.14	20.98	22.5	3	
Channel				23017	23095	23173			
Frequency (MHz)				697.5	707.5	715.5			
1.4	QPSK	1	0	24.17	24.22	24.15	25.5	0	
1.4	QPSK	1	3	24.00	24.20	24.06			
1.4	QPSK	1	5	24.01	24.11	24.01			
1.4	QPSK	3	0	24.07	24.15	23.92			
1.4	QPSK	3	1	23.97	24.13	23.93	24.5	1	
1.4	QPSK	3	3	24.01	24.07	23.90			
1.4	QPSK	6	0	23.10	23.11	22.91			
1.4	16QAM	1	0	23.25	23.25	23.09			
1.4	16QAM	1	3	22.99	23.19	22.94	24.5	1	
1.4	16QAM	1	5	23.03	23.08	22.93			
1.4	16QAM	3	0	23.05	23.20	22.99			
1.4	16QAM	3	1	23.01	23.07	22.91			
1.4	16QAM	3	3	22.94	23.12	22.90	23.5	2	
1.4	16QAM	6	0	22.06	22.15	21.95			
1.4	64QAM	1	0	22.17	22.33	22.12			
1.4	64QAM	1	3	22.05	22.27	22.08			
1.4	64QAM	1	5	22.09	22.17	21.98	23.5	2	
1.4	64QAM	3	0	22.09	22.17	21.98			
1.4	64QAM	3	1	22.00	22.09	21.88			
1.4	64QAM	3	3	21.97	22.07	21.85			
1.4	64QAM	6	0	21.14	21.22	20.98	22.5	3	

Band 17 Ant4 DS4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.25	24.30	24.26	25.5	0	
10	QPSK	1	25	24.15	24.17	24.21			
10	QPSK	1	49	24.13	24.20	24.18			
10	QPSK	25	0	23.14	23.16	23.10	24.5	1	
10	QPSK	25	12	23.06	23.08	23.05			
10	QPSK	25	25	23.01	23.11	22.97			
10	QPSK	50	0	23.06	23.09	23.05	24.5	1	
10	16QAM	1	0	23.24	23.33	23.28			
10	16QAM	1	25	23.15	23.12	23.24			
10	16QAM	1	49	23.09	23.23	23.23			
10	16QAM	25	0	22.10	22.14	22.10			
10	16QAM	25	12	22.08	22.10	22.01	23.5	2	
10	16QAM	25	25	22.05	22.08	21.98			
10	16QAM	50	0	22.10	22.06	22.00			
10	64QAM	1	0	22.23	22.31	22.31	23.5	2	
10	64QAM	1	25	22.15	22.12	22.22			
10	64QAM	1	49	22.09	22.26	22.16			
10	64QAM	25	0	21.15	21.13	21.11			
10	64QAM	25	12	21.08	21.14	21.05			
10	64QAM	25	25	21.08	21.11	20.93	22.5	3	
10	64QAM	50	0	21.15	21.06	21.04			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	24.23	24.28	24.21	25.5	0	
5	QPSK	1	12	24.19	24.17	24.16			
5	QPSK	1	24	24.09	24.19	24.15			
5	QPSK	12	0	23.12	23.19	23.08			
5	QPSK	12	7	23.10	23.10	23.03			
5	QPSK	12	13	23.06	23.15	22.93	24.5	1	
5	QPSK	25	0	23.08	23.05	23.06			
5	16QAM	1	0	23.28	23.36	23.33			
5	16QAM	1	12	23.19	23.08	23.23			
5	16QAM	1	24	23.07	23.20	23.29			
5	16QAM	12	0	22.06	22.13	22.08	23.5	2	
5	16QAM	12	7	22.13	22.13	21.98			
5	16QAM	12	13	22.10	22.09	21.96			
5	16QAM	25	0	22.14	22.03	21.98			
5	64QAM	1	0	22.21	22.27	22.23			
5	64QAM	1	12	22.12	22.11	22.31	23.5	2	
5	64QAM	1	24	22.05	22.31	22.24			
5	64QAM	12	0	21.14	21.10	21.15			
5	64QAM	12	7	21.07	21.17	21.01			
5	64QAM	12	13	21.11	21.09	20.89			
5	64QAM	25	0	21.11	21.11	21.05	22.5	3	

Band 26 Ant4 DS4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.21	23.25	23.23	24.5	0	
15	QPSK	1	37	23.10	23.20	23.09			
15	QPSK	1	74	23.12	23.17	23.11			
15	QPSK	36	0	22.22	22.26	22.23			
15	QPSK	36	20	22.11	22.15	22.10			
15	QPSK	36	39	22.10	22.19	22.08	23.5	1	
15	QPSK	75	0	22.27	22.31	22.19			
15	16QAM	1	0	22.20	22.25	22.26			
15	16QAM	1	37	22.11	22.25	22.12			
15	16QAM	1	74	22.09	22.12	22.09			
15	16QAM	36	0	21.25	21.29	21.22	22.5	2	
15	16QAM	36	20	21.13	21.18	21.13			
15	16QAM	36	39	21.05	21.15	21.09			
15	16QAM	75	0	21.32	21.29	21.18			
15	64QAM	1	0	21.23	21.24	21.26			
15	64QAM	1	37	21.06	21.21	21.09	22.5	2	
15	64QAM	1	74	21.05	21.08	21.10			
15	64QAM	36	0	20.25	20.31	20.22			
15	64QAM	36	20	20.12	20.17	20.10			
15	64QAM	36	39	20.09	20.10	20.12			
15	64QAM	75	0	20.31	20.25	20.18	21.5	3	
Channel				26740	26865	26990			
Frequency (MHz)				819 <th>831.5</th> <th>844</th>	831.5	844			
10	QPSK	1	0	23.13	23.18	23.15	24.5	0	
10	QPSK	1	25	23.00	23.11	22.95			
10	QPSK	1	49	23.06	23.05	23.01			
10	QPSK	25	0	22.15	22.14	22.09			
10	QPSK	25	12	21.97	22.06	21.98			
10	QPSK	25	25	21.99	22.11	21.98	23.5	1	
10	QPSK	50	0	22.19	22.23	22.06			
10	16QAM	1	0	22.10	22.16	22.17			
10	16QAM	1	25	21.99	22.16	22.00			
10	16QAM	1	49	22.03	22.04	21.95			
10	16QAM	25	0	21.11	21.19	21.15	22.5	2	
10	16QAM	25	12	21.06	21.24	21.06			
10	16QAM	25	25	20.96	21.04	20.94			
10	16QAM	50	0	21.26	21.16	21.11			
10	64QAM	1	0	21.12	21.10	21.20			
10	64QAM	1	25	20.93	21.13	21.00	22.5	2	
10	64QAM	1	49	20.93	20.98	20.98			
10	64QAM	25	0	20.19	20.18	20.14			
10	64QAM	25	12	20.03	20.10	20.02			
10	64QAM	25	25	19.96	20.01	20.03			
10	64QAM	50	0	20.20	20.19	20.12	21.5	3	
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.12	23.14	23.17	24.5	0	
5	QPSK	1	12	23.00	23.09	22.98			
5	QPSK	1	24	23.03	23.10	23.01			
5	QPSK	12	0	22.09	22.13	22.12			
5	QPSK	12	7	22.00	22.07	22.00			
5	QPSK	12	13	22.04	22.13	21.97	23.5	1	
5	QPSK	25	0	22.19	22.24	22.06			
5	16QAM	1	0	22.15	22.14	22.14			
5	16QAM	1	12	22.01	22.13	22.03			
5	16QAM	1	24	21.98	21.98	22.01			
5	16QAM	12	0	21.18	21.15	21.08	22.5	2	
5	16QAM	12	7	20.99	21.07	21.05			
5	16QAM	12	13	20.98	21.09	20.95			
5	16QAM	25	0	21.21	21.21	21.05			
5	64QAM	1	0	21.16	21.19	21.15			
5	64QAM	1	12	20.93	21.13	20.96	22.5	2	
5	64QAM	1	24	20.96	21.00	20.96			
5	64QAM	12	0	20.18	20.23	20.08			
5	64QAM	12	7	19.98	20.10	19.99			
5	64QAM	12	13	19.95	20.04	19.99			
5	64QAM	25	0	20.20	20.15	20.12	21.5	3	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.12	23.13	23.14	24.5	0	
3	QPSK	1	8	23.00	23.06	23.01			
3	QPSK	1	14	23.03	23.09	23.02			
3	QPSK	8	0	22.15	22.13	22.13			
3	QPSK	8	4	22.01	22.00	21.98			
3	QPSK	8	7	22.02	22.14	21.95	23.5	1	
3	QPSK	15	0	22.17	22.18	22.13			
3	16QAM	1	0	22.13	22.14	22.13			
3	16QAM	1	8	22.01	22.10	22.00			
3	16QAM	1	14	22.00	22.06	21.96			
3	16QAM	8	0	21.13	21.22	21.12	22.5	2	
3	16QAM	8	4	20.99	21.05	21.04			
3	16QAM	8	7	20.93	21.03	21.01			
3	16QAM	15	0	21.18	21.22	21.12			
3	64QAM	1	0	21.17	21.13	21.17			
3	64QAM	1	8	21.04	21.14	20.99	22.5	2	
3	64QAM	1	14	20.91	21.01	21.02			
3	64QAM	8	0	20.18	20.20	20.13			
3	64QAM	8	4	19.99	20.09	20.05			
3	64QAM	8	7	19.99	20.02	20.05			
3	64QAM	15	0	20.18	20.19	20.17	21.5	3	
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.15	23.10	23.06	24.5	0	
1.4	QPSK	1	3	23.04	23.06	23.04			
1.4	QPSK	1	5	22.99	23.04	23.00			
1.4	QPSK	3	0	23.13	23.12	23.10			
1.4	QPSK	3	1	23.06	23.05	22.96			
1.4	QPSK	3	3	23.01	23.13	22.95	23.5	1	
1.4	QPSK	6	0	22.12	22.18	22.12			
1.4	16QAM	1	0	22.07	22.11	22.11			
1.4	16QAM	1	3	22.04	22.13	22.02			
1.4	16QAM	1	5	21.97	22.10	22.01			
1.4	16QAM	3	0	22.20	22.23	22.16	23.5	1	
1.4	16QAM	3	1	22.03	22.25	22.00			
1.4	16QAM	3	3	21.94	22.05	21.97			
1.4	64QAM	1	0	21.19	21.15	21.09			
1.4	64QAM	1	3	21.09	21.08	21.13			
1.4	64QAM	1	5	20.97	20.94	21.01	22.5	2	
1.4	64QAM	3	0	21.12	21.14	21.16			
1.4	64QAM	3	1	21.00	21.02	21.07			
1.4	64QAM	3	3	21.01	21.02	20.97			
1.4	64QAM	6	0	20.24	20.15	20.13			

Band 38 Ant4 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610	24.5	0	
20	QPSK	1	0	22.80	23.09	22.78			
20	QPSK	1	49	22.89	22.86	22.93			
20	QPSK	1	99	22.86	22.89	22.80			
20	QPSK	50	0	22.75	22.95	22.79	24.5	0	
20	QPSK	50	24	22.87	22.86	22.91			
20	QPSK	50	50	22.87	22.86	22.72			
20	QPSK	100	0	22.81	22.92	22.75			
20	16QAM	1	0	22.84	22.91	22.87	24.5	0	
20	16QAM	1	49	22.84	22.87	22.91			
20	16QAM	1	99	22.77	22.81	22.83			
20	16QAM	50	0	22.28	22.26	22.33			
20	16QAM	50	24	22.42	22.41	22.41	23.5	1	
20	16QAM	50	50	22.41	22.28	22.25			
20	16QAM	100	0	22.40	22.28	22.09			
20	64QAM	1	0	22.21	22.42	22.39			
20	64QAM	1	49	22.50	22.58	22.51	23.5	1	
20	64QAM	1	99	22.57	22.48	22.33			
20	64QAM	50	0	21.41	21.41	21.26			
20	64QAM	50	24	21.27	21.54	21.39			
20	64QAM	50	50	21.21	21.29	21.22	22.5	2	
20	64QAM	100	0	21.50	21.35	21.39			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.71	22.92	22.60	24.5	0	
15	QPSK	1	37	22.71	22.76	22.91			
15	QPSK	1	74	22.66	22.77	22.76			
15	QPSK	36	0	22.58	22.93	22.75			
15	QPSK	36	20	22.70	22.88	22.82	24.5	0	
15	QPSK	36	39	22.69	22.66	22.68			
15	QPSK	75	0	22.70	22.83	22.72			
15	16QAM	1	0	22.75	22.81	22.74			
15	16QAM	1	37	22.69	22.83	22.74	24.5	0	
15	16QAM	1	74	22.64	22.63	22.73			
15	16QAM	36	0	22.45	22.38	22.35			
15	16QAM	36	20	22.42	22.46	22.40			
15	16QAM	36	39	22.59	22.34	22.46	23.5	1	
15	16QAM	75	0	22.46	22.43	22.51			
15	64QAM	1	0	22.41	22.37	22.50			
15	64QAM	1	37	22.50	22.60	22.58			
15	64QAM	1	74	22.55	22.53	22.50	23.5	1	
15	64QAM	36	0	21.36	21.31	21.29			
15	64QAM	36	20	21.40	21.44	21.27			
15	64QAM	36	39	21.29	21.26	21.34			
15	64QAM	75	0	21.40	21.22	21.45	22.5	2	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.70	22.90	22.72	24.5	0	
10	QPSK	1	25	22.88	22.80	22.89			
10	QPSK	1	49	22.85	22.72	22.76			
10	QPSK	25	0	22.58	22.86	22.73			
10	QPSK	25	12	22.80	22.70	22.89	24.5	0	
10	QPSK	25	25	22.70	22.79	22.62			
10	QPSK	50	0	22.63	22.82	22.64			
10	16QAM	1	0	22.80	22.82	22.82			
10	16QAM	1	25	22.66	22.80	22.74	24.5	0	
10	16QAM	1	49	22.63	22.71	22.76			
10	16QAM	25	0	22.39	22.37	22.33			
10	16QAM	25	12	22.37	22.28	22.28			
10	16QAM	25	25	22.32	22.32	22.28	23.5	1	
10	16QAM	50	0	22.39	22.35	22.24			
10	64QAM	1	0	22.25	22.21	22.18			
10	64QAM	1	25	22.32	22.34	22.34			
10	64QAM	1	49	22.29	22.38	22.30	23.5	1	
10	64QAM	25	0	21.50	21.28	21.31			
10	64QAM	25	12	21.20	21.21	21.23			
10	64QAM	25	25	21.15	21.17	21.30			
10	64QAM	50	0	21.33	21.13	21.29	22.5	2	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.70	22.96	22.74	24.5	0	
5	QPSK	1	12	22.76	22.71	22.75			
5	QPSK	1	24	22.77	22.77	22.75			
5	QPSK	12	0	22.72	22.78	22.69			
5	QPSK	12	7	22.87	22.86	22.76	24.5	0	
5	QPSK	12	13	22.68	22.69	22.62			
5	QPSK	25	0	22.72	22.78	22.70			
5	16QAM	1	0	22.81	22.81	22.78			
5	16QAM	1	12	22.77	22.73	22.85	24.5	0	
5	16QAM	1	24	22.69	22.70	22.82			
5	16QAM	12	0	22.29	22.20	22.23			
5	16QAM	12	7	22.18	22.18	22.06			
5	16QAM	12	13	22.31	22.13	22.13	23.5	1	
5	16QAM	25	0	22.32	22.34	22.28			
5	64QAM	1	0	22.50	22.33	22.27			
5	64QAM	1	12	22.38	22.48	22.60			
5	64QAM	1	24	22.35	22.48	22.23	23.5	1	
5	64QAM	12	0	21.47	21.43	21.24			
5	64QAM	12	7	21.34	21.26	21.33			
5	64QAM	12	13	21.21	21.17	21.16			
5	64QAM	25	0	21.38	21.22	21.27	22.5	2	

Band 41 Ant4 DSI4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.02	23.02	23.16	22.86	22.86	24.5	0
20	QPSK	1	49	22.95	22.83	23.00	22.91	22.94		
20	QPSK	1	99	22.92	23.03	22.96	22.97	23.02		
20	QPSK	50	0	22.98	22.85	23.05	22.94	22.83		
20	QPSK	50	24	22.89	23.04	22.90	22.82	23.00	24.5	0
20	QPSK	50	50	22.88	23.00	22.81	22.92	22.91		
20	QPSK	100	0	22.91	22.88	23.00	22.80	22.89		
20	16QAM	1	0	22.94	22.83	22.90	22.69	22.77		
20	16QAM	1	49	22.94	22.81	22.84	22.89	22.87	24.5	0
20	16QAM	1	99	22.75	22.88	22.84	22.89	22.96		
20	16QAM	50	0	22.52	22.69	22.53	22.80	22.84		
20	16QAM	50	24	22.64	22.62	22.91	22.69	22.80		
20	16QAM	50	50	22.60	22.77	22.86	22.59	22.74	23.5	1
20	16QAM	100	0	22.46	22.59	22.90	22.92	22.96		
20	64QAM	1	0	22.55	22.60	22.64	22.68	22.96		
20	64QAM	1	49	22.53	22.79	22.80	22.88	22.93		
20	64QAM	1	99	22.60	22.85	22.82	22.74	22.87	23.5	1
20	64QAM	50	0	21.46	21.38	21.61	21.51	21.76		
20	64QAM	50	24	21.47	21.62	21.46	21.72	21.54		
20	64QAM	50	50	21.44	21.47	21.53	21.54	21.60		
20	64QAM	100	0	21.44	21.65	21.77	21.72	21.73	22.5	2
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.3	2682.5		
15	QPSK	1	0	22.86	22.98	23.09	22.84	22.78		
15	QPSK	1	37	22.83	22.73	22.83	22.76	22.87		
15	QPSK	1	74	22.73	23.00	22.93	22.81	22.96		
15	QPSK	36	0	22.93	22.80	22.99	22.86	22.78		
15	QPSK	36	20	22.89	23.01	22.77	22.78	22.81	24.5	0
15	QPSK	36	39	22.74	22.85	22.86	22.69	22.79		
15	QPSK	75	0	22.79	22.73	22.88	22.65	22.89		
15	16QAM	1	0	22.90	22.82	22.72	22.59	22.67		
15	16QAM	1	37	22.81	22.76	22.72	22.74	22.72	24.5	0
15	16QAM	1	74	22.60	22.73	22.69	22.82	22.95		
15	16QAM	36	0	22.03	22.08	22.38	22.27	22.28		
15	16QAM	36	20	22.26	22.27	22.40	22.27	22.31		
15	16QAM	36	39	22.11	22.25	22.40	22.22	22.41	23.5	1
15	16QAM	75	0	22.13	22.14	22.43	22.22	22.32		
15	64QAM	1	0	22.22	22.07	22.43	22.47	22.34		
15	64QAM	1	37	22.18	22.30	22.36	22.39	22.29		
15	64QAM	1	74	22.16	22.26	22.38	22.42	22.41	23.5	1
15	64QAM	36	0	21.19	21.21	21.56	21.24	21.34		
15	64QAM	36	20	21.26	21.16	21.50	21.44	21.50		
15	64QAM	36	39	21.15	21.23	21.38	21.27	21.23		
15	64QAM	75	0	21.16	21.09	21.27	21.46	21.35	22.5	2
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.93	22.98	23.06	22.80	22.72		
10	QPSK	1	25	22.90	22.70	22.84	22.77	22.86		
10	QPSK	1	49	22.89	23.01	22.88	22.87	22.95		
10	QPSK	25	0	22.98	22.74	22.98	22.78	22.73		
10	QPSK	25	12	22.85	22.90	22.83	22.70	22.85	24.5	0
10	QPSK	25	25	22.80	22.97	22.68	22.74	22.74		
10	QPSK	50	0	22.73	22.79	22.88	22.62	22.72		
10	16QAM	1	0	22.76	22.75	22.85	22.67	22.77		
10	16QAM	1	25	22.75	22.68	22.76	22.86	22.70	24.5	0
10	16QAM	1	49	22.55	22.78	22.73	22.69	22.95		
10	16QAM	25	0	22.27	22.28	22.51	22.34	22.46		
10	16QAM	25	12	22.26	22.30	22.46	22.50	22.52		
10	16QAM	25	25	22.33	22.38	22.44	22.39	22.51	23.5	1
10	16QAM	50	0	22.09	22.18	22.58	22.35	22.49		
10	64QAM	1	0	22.39	22.32	22.45	22.43	22.31		
10	64QAM	1	25	22.30	22.26	22.51	22.40	22.52		
10	64QAM	1	49	22.22	22.28	22.42	22.45	22.45	23.5	1
10	64QAM	25	0	21.26	21.36	21.35	21.37	21.42		
10	64QAM	25	12	21.26	21.16	21.54	21.38	21.39		
10	64QAM	25	25	21.28	21.46	21.59	21.34	21.41		
10	64QAM	50	0	21.09	21.13	21.37	21.42	21.45	22.5	2
Channel				39715	40143	40620	41093	41555		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.90	22.91	23.01	22.74	22.78		
5	QPSK	1	12	22.88	22.65	22.85	22.71	22.76		
5	QPSK	1	24	22.91	22.89	22.96	22.88	22.98		
5	QPSK	12	0	22.87	22.72	22.98	22.81	22.65		
5	QPSK	12	7	22.83	23.03	22.90	22.73	22.89	24.5	0
5	QPSK	12	13	22.75	22.95	22.63	22.85	22.78		
5	QPSK	25	0	22.85	22.85	23.00	22.61	22.84		
5	16QAM	1	0	22.89	22.77	22.77	22.57	22.71		
5	16QAM	1	12	22.86	22.69	22.75	22.74	22.84	24.5	0
5	16QAM	1	24	22.61	22.85	22.75	22.74	22.87		
5	16QAM	12	0	21.87	22.15	22.32	22.18	22.25		
5	16QAM	12	7	21.95	22.12	22.13	22.09	22.02		
5	16QAM	12	13	22.08	21.89	22.36	22.18	22.06	23.5	1
5	16QAM	25	0	21.93	22.01	22.34	22.31	22.07		
5	64QAM	1	0	22.18	22.09	22.23	22.21	22.20		
5	64QAM	1	12	22.02	22.40	22.45	22.34	22.36		
5	64QAM	1	24	22.24	22.38	22.17	22.35	22.46	23.5	1
5	64QAM	12	0	21.37	21.34	21.36	21.40	21.37		
5	64QAM	12	7	21.39	21.55	21.53	21.51	21.55		
5	64QAM	12	13	21.45	21.53	21.42	21.59	21.44		
5	64QAM	25	0	21.48	21.37	21.45	21.43	21.48	22.5	2



Reduced power level for WWAN-ENDC

Band 2 Ant4 DS11 NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				18680	18880	19000			
20	QPSK	1	0	17.12	17.34	17.03	18.5	0	
20	QPSK	1	49	17.29	17.02	17.08			
20	QPSK	1	99	17.20	17.09	17.06			
20	QPSK	50	0	17.15	17.29	17.11			
20	QPSK	50	24	17.23	17.05	16.97	18.5	0	
20	QPSK	50	50	17.18	17.04	16.99			
20	QPSK	100	0	17.16	17.20	16.95			
20	16QAM	1	0	17.16	17.09	16.95			
20	16QAM	1	49	17.15	17.05	17.07	18.5	0	
20	16QAM	1	99	17.16	17.11	17.11			
20	16QAM	50	0	17.14	17.00	17.07			
20	16QAM	50	24	17.15	17.08	17.09			
20	16QAM	50	50	17.05	17.17	17.00	18.5	0	
20	16QAM	100	0	17.19	17.07	17.04			
20	64QAM	1	0	17.15	17.06	16.97			
20	64QAM	1	49	17.13	17.14	17.13			
20	64QAM	1	99	17.18	17.06	17.00	18.5	0	
20	64QAM	50	0	17.11	17.09	17.03			
20	64QAM	50	24	17.18	17.11	17.03			
20	64QAM	50	50	17.06	17.07	17.00			
20	64QAM	100	0	17.11	17.06	17.01	18.5	0	
Channel				18875	18900	19125			
Frequency (MHz)				18857.5	18800	1902.5			
15	QPSK	1	0	17.00	17.30	16.88	18.5	0	
15	QPSK	1	37	17.17	16.92	16.84			
15	QPSK	1	74	17.04	17.00	17.05			
15	QPSK	36	0	17.03	17.19	17.03			
15	QPSK	36	20	17.20	17.04	16.87	18.5	0	
15	QPSK	36	39	17.09	16.86	17.04			
15	QPSK	75	0	17.02	17.09	16.87			
15	16QAM	1	0	17.24	16.87	16.85			
15	16QAM	1	37	17.10	16.99	17.04	18.5	0	
15	16QAM	1	74	16.99	17.07	16.95			
15	16QAM	36	0	17.00	16.85	16.99			
15	16QAM	36	20	17.19	16.92	17.09			
15	16QAM	36	39	16.88	17.05	16.86	18.5	0	
15	16QAM	75	0	17.04	17.03	16.92			
15	64QAM	1	0	17.19	17.05	16.92			
15	64QAM	1	37	17.10	17.06	17.01			
15	64QAM	1	74	17.12	16.98	16.87	18.5	0	
15	64QAM	36	0	17.19	17.04	16.90			
15	64QAM	36	20	17.07	16.97	16.95			
15	64QAM	36	39	17.04	16.87	16.97			
15	64QAM	75	0	17.08	16.97	16.89	18.5	0	
Channel				18950	18900	19150			
Frequency (MHz)				18955	18800	19005			
10	QPSK	1	0	16.96	17.23	16.91	18.5	0	
10	QPSK	1	25	17.10	17.01	16.94			
10	QPSK	1	49	17.05	16.91	17.02			
10	QPSK	25	0	17.12	17.28	16.99			
10	QPSK	25	12	17.17	16.83	16.94	18.5	0	
10	QPSK	25	25	17.09	16.91	16.87			
10	QPSK	50	0	17.02	17.24	16.88			
10	16QAM	1	0	17.17	16.92	16.95			
10	16QAM	1	25	17.03	16.91	16.94	18.5	0	
10	16QAM	1	49	17.13	16.89	16.93			
10	16QAM	25	0	16.99	16.96	17.03			
10	16QAM	25	12	17.09	16.89	16.87			
10	16QAM	25	25	16.93	17.07	16.99	18.5	0	
10	16QAM	50	0	17.08	17.03	16.94			
10	64QAM	1	0	17.02	16.93	16.76			
10	64QAM	1	25	17.03	16.97	17.00			
10	64QAM	1	49	17.07	16.97	16.90	18.5	0	
10	64QAM	25	0	17.17	17.04	16.84			
10	64QAM	25	12	17.10	17.05	16.89			
10	64QAM	25	25	17.06	16.96	16.85			
10	64QAM	50	0	17.02	17.06	16.91	18.5	0	
Channel				18925	18900	19175			
Frequency (MHz)				18925.5	18800	1907.5			
5	QPSK	1	0	16.94	17.22	16.80	18.5	0	
5	QPSK	1	12	17.27	17.05	16.95			
5	QPSK	1	24	17.11	16.87	16.97			
5	QPSK	12	0	17.09	17.10	16.89			
5	QPSK	12	7	17.00	17.02	16.88	18.5	0	
5	QPSK	12	13	17.06	16.83	16.86			
5	QPSK	25	0	17.02	17.07	16.83			
5	16QAM	1	0	17.17	16.86	16.94			
5	16QAM	1	12	16.99	17.04	16.85	18.5	0	
5	16QAM	1	24	17.11	16.98	16.99			
5	16QAM	12	0	17.16	16.92	17.11			
5	16QAM	12	7	17.17	17.01	16.84			
5	16QAM	12	13	16.97	17.04	16.91	18.5	0	
5	16QAM	25	0	17.09	16.99	17.00			
5	64QAM	1	0	16.96	16.93	16.91			
5	64QAM	1	12	17.03	17.05	17.08			
5	64QAM	1	24	17.17	16.97	16.91	18.5	0	
5	64QAM	12	0	17.22	16.99	16.86			
5	64QAM	12	7	17.07	17.07	16.94			
5	64QAM	12	13	17.03	17.08	16.85			
5	64QAM	25	0	17.07	17.02	16.87	18.5	0	
Channel				18815	18900	19185			
Frequency (MHz)				18815.5	18800	1908.5			
3	QPSK	1	0	16.93	17.17	16.94	18.5	0	
3	QPSK	1	8	17.06	16.98	17.01			
3	QPSK	1	14	17.12	17.00	16.93			
3	QPSK	8	0	17.08	17.09	16.96			
3	QPSK	8	4	16.99	16.91	16.94	18.5	0	
3	QPSK	8	7	17.17	16.88	16.90			
3	QPSK	15	0	16.91	17.08	16.84			
3	16QAM	1	0	17.20	16.88	16.79			
3	16QAM	1	8	17.14	16.99	17.04	18.5	0	
3	16QAM	1	14	17.14	17.00	17.05			
3	16QAM	8	0	17.05	16.98	16.98			
3	16QAM	8	4	17.16	16.93	16.99			
3	16QAM	8	7	17.12	17.05	16.97	18.5	0	
3	16QAM	15	0	17.18	17.07	16.83			
3	64QAM	1	0	17.12	16.78	16.94			
3	64QAM	1	8	16.97	17.00	17.02			
3	64QAM	1	14	17.07	17.08	16.93	18.5	0	
3	64QAM	8	0	17.04	17.21	16.85			
3	64QAM	8	4	17.07	17.10	16.94			
3	64QAM	8	7	17.05	16.86	16.90			
3	64QAM	15	0	16.97	16.99	16.94	18.5	0	
Channel				18907	18900	19163			
Frequency (MHz)				18907.7	18800	1909.3			
1.4	QPSK	1	0	16.91	17.15	16.80	18.5	0	
1.4	QPSK	1	3	17.22	16.85	16.92			
1.4	QPSK	1	5	17.22	16.87	16.89			
1.4	QPSK	3	0	16.98	17.22	16.93			
1.4	QPSK	3	1	17.09	16.93	16.87	18.5	0	
1.4	QPSK	3	3	17.08	17.02	16.84			
1.4	QPSK	6	0	17.05	17.09	16.86			
1.4	16QAM	1	0	17.06	16.96	16.87			
1.4	16QAM	1	3	17.10	16.97	17.07	18.5	0	
1.4	16QAM	1	5	16.95	16.89	16.85			
1.4	16QAM	3	0	17.13	16.87	17.06			
1.4	16QAM	3	1	17.14	16.86	16.95			
1.4	16QAM	3	3	17.00	17.02	16.89	18.5	0	
1.4	16QAM	6	0	17.14	17.00	16.92			
1.4	64QAM	1	0	17.09	17.01	16.92			
1.4	64QAM	1	3	16.95	16.91	16.94			
1.4	64QAM	1	5	17.16	17.06	16.87	18.5	0	
1.4	64QAM	3	0	17.19	17.12	16.92			
1.4	64QAM	3	1	17.14	16.96	16.90			
1.4	64QAM	3	3	17.14	16.95	17.02			
1.4	64QAM	6	0	17.01	16.99	16.97	18.5	0	

Band 7 Ant4 DS11 NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	12.92	13.15	12.99	14.5	0	
20	QPSK	1	49	12.98	13.11	12.98			
20	QPSK	1	99	12.87	12.85	13.04			
20	QPSK	50	0	12.93	13.17	13.16			
20	QPSK	50	24	12.91	13.04	13.01			
20	QPSK	50	50	12.78	12.88	13.00	14.5	0	
20	QPSK	100	0	12.96	13.07	12.99			
20	16QAM	1	0	12.87	12.90	13.00			
20	16QAM	1	49	12.82	12.83	12.97			
20	16QAM	1	99	12.84	13.02	12.90			
20	16QAM	50	0	12.98	13.00	13.02	14.5	0	
20	16QAM	50	24	12.74	12.86	12.99			
20	16QAM	50	50	12.91	13.00	12.85			
20	16QAM	100	0	12.93	12.97	13.05			
20	64QAM	1	0	12.78	12.81	12.97			
20	64QAM	1	49	12.90	12.97	12.98	14.5	0	
20	64QAM	1	99	12.96	13.03	13.00			
20	64QAM	50	0	12.84	12.90	12.91			
20	64QAM	50	24	12.88	12.97	12.94			
20	64QAM	50	50	12.89	13.04	13.04			
20	64QAM	100	0	12.83	12.85	13.01	Tune-up limit (dBm)	MPR (dB)	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	12.66	13.07	13.01	14.5	0	
15	QPSK	1	37	12.94	12.91	12.75			
15	QPSK	1	74	12.81	12.74	12.85			
15	QPSK	36	0	12.87	12.92	13.02			
15	QPSK	36	20	12.93	13.02	13.07			
15	QPSK	36	39	12.79	12.73	12.90	14.5	0	
15	QPSK	75	0	12.75	12.98	12.89			
15	16QAM	1	0	12.79	12.76	12.83			
15	16QAM	1	37	12.66	12.94	12.92			
15	16QAM	1	74	12.94	12.98	12.85			
15	16QAM	36	0	12.94	13.00	12.91	14.5	0	
15	16QAM	36	20	12.79	12.83	12.98			
15	16QAM	36	39	12.79	12.75	12.79			
15	16QAM	75	0	12.74	12.97	12.95			
15	64QAM	1	0	12.71	12.83	12.93			
15	64QAM	1	37	12.83	12.83	12.77	14.5	0	
15	64QAM	1	74	12.94	13.03	13.01			
15	64QAM	36	0	12.80	12.79	12.76			
15	64QAM	36	20	12.83	12.91	12.86			
15	64QAM	36	39	13.02	13.07	13.04			
15	64QAM	75	0	12.69	12.84	12.95	Tune-up limit (dBm)	MPR (dB)	
Channel				20900	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	12.58	12.82	12.70	14.5	0	
10	QPSK	1	25	12.83	12.92	12.89			
10	QPSK	1	49	12.67	12.61	12.90			
10	QPSK	25	0	12.70	13.02	12.89			
10	QPSK	25	12	12.77	12.83	12.83			
10	QPSK	25	25	12.56	12.83	12.90	14.5	0	
10	QPSK	50	0	12.67	12.94	12.90			
10	16QAM	1	0	12.67	12.73	12.73			
10	16QAM	1	25	12.79	12.58	12.75			
10	16QAM	1	49	12.69	12.86	12.82			
10	16QAM	25	0	12.71	12.82	12.84	14.5	0	
10	16QAM	25	12	12.59	12.68	12.83			
10	16QAM	25	25	12.71	12.84	12.72			
10	16QAM	50	0	12.87	12.79	12.87			
10	64QAM	1	0	12.59	12.72	12.80			
10	64QAM	1	25	12.85	12.67	12.67	14.5	0	
10	64QAM	1	49	12.74	12.76	12.73			
10	64QAM	25	0	12.66	12.70	12.84			
10	64QAM	25	12	12.73	12.79	12.77			
10	64QAM	25	25	12.68	12.96	12.77			
10	64QAM	50	0	12.72	12.63	12.89	Tune-up limit (dBm)	MPR (dB)	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	12.55	12.87	12.91	14.5	0	
5	QPSK	1	12	12.66	12.98	12.65			
5	QPSK	1	24	12.82	12.63	12.88			
5	QPSK	12	0	12.80	12.79	12.91			
5	QPSK	12	7	12.75	12.77	12.79			
5	QPSK	12	13	12.56	12.85	12.85	14.5	0	
5	QPSK	25	0	12.73	12.82	12.94			
5	16QAM	1	0	12.74	12.79	12.83			
5	16QAM	1	12	12.66	12.75	12.82			
5	16QAM	1	24	12.65	12.92	12.71			
5	16QAM	12	0	12.75	12.86	12.90	14.5	0	
5	16QAM	12	7	12.63	12.75	12.74			
5	16QAM	12	13	12.67	12.86	12.78			
5	16QAM	25	0	12.76	12.73	12.85			
5	64QAM	1	0	12.50	12.63	12.93			
5	64QAM	1	12	12.58	12.88	12.77	14.5	0	
5	64QAM	1	24	12.80	12.79	12.91			
5	64QAM	12	0	12.53	12.78	12.59			
5	64QAM	12	7	12.74	12.91	12.82			
5	64QAM	12	13	12.78	12.83	12.80			
5	64QAM	25	0	12.71	12.69	12.91			

Band 66 Ant4 DSH NSA									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	16.03	16.19	16.02	17	0	
20	QPSK	1	49	15.97	16.04	16.10			
20	QPSK	1	99	16.00	15.88	15.99			
20	QPSK	50	0	16.02	16.15	16.11	17	0	
20	QPSK	50	24	16.03	15.99	16.09			
20	QPSK	50	50	16.02	15.92	15.88			
20	QPSK	100	0	16.05	16.10	15.95	17	0	
20	16QAM	1	0	16.06	15.96	15.98			
20	16QAM	1	49	16.05	15.84	15.94			
20	16QAM	1	99	15.97	15.91	16.09	17	0	
20	16QAM	50	0	16.09	16.03	16.03			
20	16QAM	50	24	16.02	15.94	15.94			
20	16QAM	50	50	15.97	15.88	16.02	17	0	
20	16QAM	100	0	16.00	16.01	16.02			
20	64QAM	1	0	15.93	15.82	15.93			
20	64QAM	1	49	16.01	15.92	16.01	17	0	
20	64QAM	1	99	16.04	15.90	15.91			
20	64QAM	50	0	16.07	15.87	15.89			
20	64QAM	50	24	15.96	15.97	16.01	17	0	
20	64QAM	50	50	16.01	15.98	16.00			
20	64QAM	100	0	15.90	15.86	15.95			
Channel				132047	132322	132597	Tune-up limit (dBm)		
Frequency (MHz)				1717.5	1745	1772.5	MPR (dB)		
15	QPSK	1	0	15.99	16.00	15.94	17	0	
15	QPSK	1	37	15.98	15.91	15.91			
15	QPSK	1	74	15.86	15.71	15.76			
15	QPSK	36	0	15.87	16.08	16.05	17	0	
15	QPSK	36	20	15.97	15.87	16.06			
15	QPSK	36	39	15.93	15.71	15.87			
15	QPSK	75	0	16.02	15.94	15.76	17	0	
15	16QAM	1	0	16.07	15.90	15.82			
15	16QAM	1	37	16.01	15.78	15.82			
15	16QAM	1	74	15.96	15.88	15.93	17	0	
15	16QAM	36	0	15.91	15.83	15.93			
15	16QAM	36	20	15.83	15.77	15.81			
15	16QAM	36	39	15.86	15.79	16.02	17	0	
15	16QAM	75	0	16.00	15.84	16.04			
15	64QAM	1	0	15.86	15.87	15.91			
15	64QAM	1	37	15.93	15.87	15.98	17	0	
15	64QAM	1	74	15.86	15.78	15.87			
15	64QAM	36	0	15.87	15.84	15.77			
15	64QAM	36	20	15.89	15.74	15.96	17	0	
15	64QAM	36	39	15.93	15.87	15.88			
15	64QAM	75	0	15.81	15.71	15.86			
Channel				132022	132322	132622	Tune-up limit (dBm)		
Frequency (MHz)				1715	1745	1775	MPR (dB)		
10	QPSK	1	0	15.92	16.09	15.96	17	0	
10	QPSK	1	25	15.96	15.88	15.92			
10	QPSK	1	49	15.86	15.75	15.78			
10	QPSK	25	0	15.96	16.04	16.04	17	0	
10	QPSK	25	12	15.96	15.83	16.06			
10	QPSK	25	25	15.84	15.85	15.85			
10	QPSK	50	0	15.96	16.10	15.70	17	0	
10	16QAM	1	0	15.94	15.81	15.96			
10	16QAM	1	25	15.92	15.82	15.78			
10	16QAM	1	49	15.93	15.79	16.00	17	0	
10	16QAM	25	0	15.90	15.95	15.82			
10	16QAM	25	12	15.81	15.80	15.90			
10	16QAM	25	25	15.78	15.80	15.80	17	0	
10	16QAM	50	0	16.06	15.93	16.05			
10	64QAM	1	0	15.91	15.78	15.81			
10	64QAM	1	25	16.04	15.89	15.97	17	0	
10	64QAM	1	49	15.87	15.82	15.76			
10	64QAM	25	0	15.94	15.84	15.79			
10	64QAM	25	12	15.79	15.79	15.89	17	0	
10	64QAM	25	25	15.87	15.88	15.89			
10	64QAM	50	0	15.82	15.82	15.92			
Channel				131997	132322	132557	Tune-up limit (dBm)		
Frequency (MHz)				1712.5	1745	1775.5	MPR (dB)		
5	QPSK	1	0	16.01	16.08	15.95	17	0	
5	QPSK	1	12	15.98	16.01	16.12			
5	QPSK	1	24	16.00	15.81	15.79			
5	QPSK	12	0	15.96	16.13	16.00	17	0	
5	QPSK	12	7	15.93	16.02	16.08			
5	QPSK	12	13	15.95	16.01	15.89			
5	QPSK	25	0	16.00	15.97	15.93	17	0	
5	16QAM	1	0	15.97	15.95	15.93			
5	16QAM	1	12	15.98	16.00	16.02			
5	16QAM	1	24	15.89	15.86	15.96	17	0	
5	16QAM	12	0	15.88	15.78	15.80			
5	16QAM	12	7	15.88	15.78	15.80			
5	16QAM	12	13	16.00	15.80	15.87	17	0	
5	16QAM	25	0	15.97	15.97	16.12			
5	64QAM	1	0	15.77	15.63	15.95			
5	64QAM	1	12	15.94	15.84	15.84	17	0	
5	64QAM	1	24	16.06	15.80	15.75			
5	64QAM	12	0	15.88	15.69	15.65			
5	64QAM	12	7	15.95	15.80	15.89	17	0	
5	64QAM	12	13	15.86	15.88	15.93			
5	64QAM	25	0	15.70	15.86	15.93			
Channel				131987	132322	132657	Tune-up limit (dBm)		
Frequency (MHz)				1711.5	1745	1778.5	MPR (dB)		
3	QPSK	1	0	15.88	16.10	15.91	17	0	
3	QPSK	1	8	15.79	15.85	16.05			
3	QPSK	1	14	15.79	15.77	15.83			
3	QPSK	8	0	15.82	16.02	16.01	17	0	
3	QPSK	8	4	15.95	15.90	15.97			
3	QPSK	8	7	16.02	15.81	15.83			
3	QPSK	15	0	15.90	16.00	15.83	17	0	
3	16QAM	1	0	16.02	15.85	15.80			
3	16QAM	1	8	15.90	15.67	15.91			
3	16QAM	1	14	15.96	15.77	16.01	17	0	
3	16QAM	8	0	15.87	15.83	15.86			
3	16QAM	8	4	15.77	15.75	15.72			
3	16QAM	8	7	15.77	15.74	16.00	17	0	
3	16QAM	15	0	15.87	15.83	15.87			
3	64QAM	1	0	15.84	15.75	15.77			
3	64QAM	1	8	16.01	15.81	15.87	17	0	
3	64QAM	1	14	16.00	15.75	15.73			
3	64QAM	8	0	15.92	15.77	15.82			
3	64QAM	8	4	15.78	15.75	15.94	17	0	
3	64QAM	8	7	15.85	15.77	15.99			
3	64QAM	15	0	15.72	15.70	15.84			
Channel				131979	132322	132695	Tune-up limit (dBm)		
Frequency (MHz)				1710.5	1745	1779.3	MPR (dB)		
1.4	QPSK	1	0	15.88	16.13	16.06	17	0	
1.4	QPSK	1	3	15.84	15.93	15.97			
1.4	QPSK	1	5	15.90	15.73	15.90			
1.4	QPSK	3	0	16.00	15.94	15.91	17	0	
1.4	QPSK	3	1	15.92	15.92	16.11			
1.4	QPSK	3	3	15.97	15.80	15.81			
1.4	QPSK	6	0	15.90	16.05	15.81	17	0	
1.4	16QAM	1	0	16.05	15.94	15.89			
1.4	16QAM	1	3	15.98	15.78	15.90			
1.4	16QAM	1	5	15.96	15.72	15.97	17	0	
1.4	16QAM	3	0	16.01	15.91	15.87			
1.4	16QAM	3	1	15.85	15.97	15.79			
1.4	16QAM	3	3	15.96	15.89	15.94	17	0	
1.4	16QAM	6	0	15.83	15.91	16.02			
1.4	64QAM	1	0	15.69	15.84	15.77			
1.4	64QAM	1	3	15.89	15.74	16.05	17	0	
1.4	64QAM	1	5	16.01	15.78	15.81			
1.4	64QAM	3	0	15.91	15.78	15.75			
1.4	64QAM	3	1	15.93	15.69	15.94	17	0	
1.4	64QAM	3	3	15.81	15.88	15.95			
1.4	64QAM	6	0	15.75	15.85	15.77			

Band 38 Ant4 DSI1 NSA									
BW [MHz]	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	17.08	17.31	17.02			
20	QPSK	1	49	17.08	16.92	17.05	18.5	0	
20	QPSK	1	99	17.04	16.94	17.07			
20	QPSK	50	0	16.95	17.17	16.87	18.5	0	
20	QPSK	50	24	17.02	16.97	17.05			
20	QPSK	50	50	16.95	17.00	16.91	18.5	0	
20	QPSK	100	0	17.13	17.16	16.99			
20	16QAM	1	0	16.87	16.78	16.86	18.5	0	
20	16QAM	1	49	17.10	16.88	16.98			
20	16QAM	1	99	17.04	16.87	16.80	18.5	0	
20	16QAM	50	0	17.02	16.89	16.96			
20	16QAM	50	24	17.05	17.08	16.95	18.5	0	
20	16QAM	50	50	17.04	17.04	16.96			
20	16QAM	100	0	17.03	16.86	16.85	18.5	0	
20	64QAM	1	0	17.02	17.04	17.10			
20	64QAM	1	49	16.95	17.02	16.98	18.5	0	
20	64QAM	1	99	16.81	16.93	17.00			
20	64QAM	50	0	17.13	17.01	17.08	18.5	0	
20	64QAM	50	24	17.07	17.09	16.78			
20	64QAM	50	50	16.88	16.92	16.97	18.5	0	
20	64QAM	100	0	16.91	16.82	17.07			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	17.06	17.08	17.01	18.5	0	
15	QPSK	1	37	16.81	16.89	17.02			
15	QPSK	1	74	16.92	16.86	17.02	18.5	0	
15	QPSK	36	0	17.08	17.02	16.67			
15	QPSK	36	20	16.86	16.86	16.94	18.5	0	
15	QPSK	36	39	16.80	16.89	16.92			
15	QPSK	75	0	17.06	17.05	16.88	18.5	0	
15	16QAM	1	0	16.80	16.64	16.78			
15	16QAM	1	37	17.00	16.91	16.93	18.5	0	
15	16QAM	1	74	17.02	16.96	16.78			
15	16QAM	36	0	16.77	16.70	16.70	18.5	0	
15	16QAM	36	20	16.74	16.73	16.83			
15	16QAM	36	39	16.73	16.94	16.98	18.5	0	
15	16QAM	75	0	16.95	16.88	16.67			
15	64QAM	1	0	16.94	16.86	17.01	18.5	0	
15	64QAM	1	37	16.91	16.90	16.73			
15	64QAM	1	74	16.72	16.54	17.00	18.5	0	
15	64QAM	36	0	16.86	16.72	16.93			
15	64QAM	36	20	16.93	16.97	16.85	18.5	0	
15	64QAM	36	39	16.82	16.62	16.80			
15	64QAM	75	0	16.71	16.75	16.91	18.5	0	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	17.01	17.14	16.82			
10	QPSK	1	25	16.98	16.90	16.95	18.5	0	
10	QPSK	1	49	17.01	17.05	17.17			
10	QPSK	25	0	16.89	17.01	16.67	18.5	0	
10	QPSK	25	12	16.85	16.83	16.82			
10	QPSK	25	25	16.91	16.84	16.82	18.5	0	
10	QPSK	50	0	16.94	16.94	16.73			
10	16QAM	1	0	16.78	16.81	16.88	18.5	0	
10	16QAM	1	25	16.98	16.85	16.85			
10	16QAM	1	49	17.01	16.99	16.90	18.5	0	
10	16QAM	25	0	16.96	16.85	16.83			
10	16QAM	25	12	16.97	16.76	16.92	18.5	0	
10	16QAM	25	25	17.04	16.86	16.83			
10	16QAM	50	0	16.81	16.92	16.96	18.5	0	
10	64QAM	1	0	16.73	16.84	16.87			
10	64QAM	1	25	17.07	17.05	16.82	18.5	0	
10	64QAM	1	49	16.70	16.74	16.81			
10	64QAM	25	0	16.98	16.82	16.94	18.5	0	
10	64QAM	25	12	16.88	16.88	16.71			
10	64QAM	25	25	16.68	16.77	16.78	18.5	0	
10	64QAM	50	0	16.76	16.89	16.92			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	17.01	17.17	16.99	18.5	0	
5	QPSK	1	12	16.88	16.75	16.82			
5	QPSK	1	24	17.12	17.03	16.96	18.5	0	
5	QPSK	12	0	16.99	16.92	16.74			
5	QPSK	12	7	16.83	16.69	16.74	18.5	0	
5	QPSK	12	13	16.77	16.69	16.86			
5	QPSK	25	0	16.99	17.06	16.65	18.5	0	
5	16QAM	1	0	16.68	16.83	16.79			
5	16QAM	1	12	17.01	16.94	16.95	18.5	0	
5	16QAM	1	24	16.98	16.91	16.83			
5	16QAM	12	0	16.85	16.90	16.86	18.5	0	
5	16QAM	12	7	16.83	16.90	16.93			
5	16QAM	12	13	16.91	17.04	16.90	18.5	0	
5	16QAM	25	0	16.79	16.82	16.93			
5	64QAM	1	0	16.90	16.70	16.81	18.5	0	
5	64QAM	1	12	16.90	17.02	16.79			
5	64QAM	1	24	16.58	16.72	16.68	18.5	0	
5	64QAM	12	0	17.07	16.68	17.04			
5	64QAM	12	7	16.89	16.85	16.76	18.5	0	
5	64QAM	12	13	16.68	16.81	16.70			
5	64QAM	25	0	16.87	16.71	16.94	18.5	0	

Band 41 Ant4 DSI1 NSA										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.32	17.38	17.59	17.36	17.32	18.5	0
20	QPSK	1	49	17.17	17.14	17.22	17.22	17.18		
20	QPSK	1	99	17.16	17.18	17.15	17.26	17.12		
20	QPSK	50	0	17.26	17.26	17.44	17.22	17.00		
20	QPSK	50	24	17.24	17.19	17.18	17.15	17.13	18.5	0
20	QPSK	50	50	17.07	17.21	17.15	17.16	17.15		
20	QPSK	100	0	17.00	17.07	17.36	16.99	17.14		
20	16QAM	1	0	16.79	17.04	17.14	16.99	17.07		
20	16QAM	1	49	17.06	17.03	17.08	16.88	17.01	18.5	0
20	16QAM	1	99	17.12	17.02	16.96	16.98	17.10		
20	16QAM	50	0	17.02	17.04	16.97	16.90	17.19		
20	16QAM	50	24	17.17	17.08	17.19	16.97	16.94		
20	16QAM	50	50	17.02	16.87	16.99	17.01	16.90	18.5	0
20	16QAM	100	0	16.99	17.08	17.17	16.93	17.19		
20	64QAM	1	0	17.06	16.94	17.09	17.05	16.94		
20	64QAM	1	49	17.05	17.04	17.01	17.12	16.99		
20	64QAM	1	99	16.92	17.04	17.08	16.98	16.87	18.5	0
20	64QAM	50	0	17.09	17.13	17.16	17.01	17.06		
20	64QAM	50	24	17.00	17.12	17.04	16.88	17.01		
20	64QAM	50	50	16.95	17.02	16.85	16.82	17.06		
20	64QAM	100	0	17.03	16.92	17.00	16.91	17.01		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	17.08	16.96	17.09	16.96	16.86	19	0
15	QPSK	1	37	16.92	17.08	17.15	16.93	16.98		
15	QPSK	1	74	17.10	17.00	16.92	16.88	16.87		
15	QPSK	36	0	16.88	16.72	17.00	17.04	16.77		
15	QPSK	36	20	16.92	17.04	16.88	16.95	16.78	18.5	0
15	QPSK	36	39	16.72	17.03	17.12	16.95	17.08		
15	QPSK	75	0	17.12	16.75	16.98	17.04	16.81		
15	16QAM	1	0	16.74	16.86	16.84	16.96	16.83		
15	16QAM	1	37	16.97	16.76	16.86	16.78	16.92	18.5	0
15	16QAM	1	74	16.87	16.96	16.83	16.92	16.92		
15	16QAM	36	0	16.96	17.11	16.75	17.07	16.97		
15	16QAM	36	20	16.94	16.73	17.10	16.94	16.96		
15	16QAM	36	39	16.96	16.78	16.84	16.82	16.90	18.5	0
15	16QAM	75	0	17.02	16.89	16.91	16.85	16.98		
15	64QAM	1	0	16.75	17.02	16.91	16.95	16.97		
15	64QAM	1	37	16.89	16.78	16.71	16.89	16.97		
15	64QAM	1	74	16.87	16.94	16.76	16.93	16.80	18.5	0
15	64QAM	36	0	16.86	17.03	17.13	16.88	16.80		
15	64QAM	36	20	16.99	17.00	16.89	16.92	16.83		
15	64QAM	36	39	16.64	16.98	16.84	16.73	16.91		
15	64QAM	75	0	16.94	16.88	16.77	16.90	16.93		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	16.90	17.00	17.15	17.21	16.91	18.50	0
10	QPSK	1	25	17.00	17.06	17.12	17.01	17.13		
10	QPSK	1	49	17.06	16.93	17.03	17.13	17.14		
10	QPSK	25	0	16.92	16.76	17.04	17.02	16.85		
10	QPSK	25	12	17.03	16.79	17.00	16.85	16.82	18.5	0
10	QPSK	25	25	16.88	17.16	16.97	16.95	17.02		
10	QPSK	50	0	17.06	16.85	17.01	16.93	17.10		
10	16QAM	1	0	16.85	16.89	16.85	16.85	17.03		
10	16QAM	1	25	17.11	16.83	17.02	16.85	16.88	18.5	0
10	16QAM	1	49	17.04	16.96	16.85	16.97	16.93		
10	16QAM	25	0	16.90	16.84	16.90	16.99	16.96		
10	16QAM	25	12	16.97	16.98	17.05	16.95	16.86		
10	16QAM	25	25	16.89	16.88	16.88	17.06	16.81	18.5	0
10	16QAM	50	0	16.76	16.91	17.20	17.04	16.89		
10	64QAM	1	0	16.77	16.91	16.83	16.89	16.93		
10	64QAM	1	25	16.92	16.90	17.01	16.92	16.91		
10	64QAM	1	49	16.95	17.11	16.98	17.01	16.87	18.5	0
10	64QAM	25	0	16.89	17.08	17.00	16.84	16.88		
10	64QAM	25	12	17.14	16.92	16.86	16.91	16.93		
10	64QAM	25	25	16.67	17.02	16.97	16.71	16.96		
10	64QAM	50	0	16.95	16.93	16.83	16.72	16.87		
Channel				2498.5	2545.8	2593	2640.30	2687.5		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	17.05	17.05	17.15	17.11	16.97	18.50	0
5	QPSK	1	12	16.91	16.88	17.10	16.94	17.18		
5	QPSK	1	24	17.02	17.06	17.20	17.10	17.01		
5	QPSK	12	0	16.98	16.82	16.97	16.94	16.78		
5	QPSK	12	7	16.73	16.80	16.97	16.83	16.97	18.5	0
5	QPSK	12	13	16.88	16.95	16.89	17.06	16.85		
5	QPSK	25	0	16.93	17.03	17.03	16.92	16.92		
5	16QAM	1	0	16.90	16.79	17.01	17.00	16.91		
5	16QAM	1	12	16.87	16.90	17.02	16.86	16.82	18.5	0
5	16QAM	1	24	16.95	16.88	16.96	16.76	16.88		
5	16QAM	12	0	17.08	16.87	16.76	16.92	16.82		
5	16QAM	12	7	16.96	16.84	17.13	16.93	16.82		
5	16QAM	12	13	17.08	16.98	16.89	17.06	16.88	18.5	0
5	16QAM	25	0	16.93	16.99	17.00	16.98	17.02		
5	64QAM	1	0	16.70	16.83	17.11	16.83	17.04		
5	64QAM	1	12	16.82	16.77	16.97	16.99	17.05		
5	64QAM	1	24	16.70	16.82	16.96	16.93	16.82	18.5	0
5	64QAM	12	0	17.00	17.08	16.95	16.97	16.91		
5	64QAM	12	7	17.06	16.86	16.94	16.78	16.75		
5	64QAM	12	13	16.88	17.07	16.82	16.87	17.10		
5	64QAM	25	0	16.85	16.84	16.97	16.96	16.85		

Band 7 Ant0 DS12 NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	18.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.38	17.42	17.33	18.5	0	
20	QPSK	1	49	17.21	17.24	17.14			
20	QPSK	1	99	17.14	17.02	17.06			
20	QPSK	50	0	17.21	17.27	17.03	18.5	0	
20	QPSK	50	24	17.26	17.25	17.17			
20	QPSK	50	50	17.26	17.17	17.17			
20	QPSK	100	0	17.16	17.17	17.12	18.5	0	
20	16QAM	1	0	17.32	17.26	17.22			
20	16QAM	1	49	17.35	17.32	17.20			
20	16QAM	1	99	17.29	17.20	17.13	18.5	0	
20	16QAM	50	0	16.98	16.95	16.89			
20	16QAM	50	24	17.02	17.04	16.92			
20	16QAM	50	50	16.98	16.92	16.95	18.5	0	
20	16QAM	100	0	16.90	16.98	16.90			
20	64QAM	1	0	16.96	16.96	16.93			
20	64QAM	1	49	17.18	17.24	17.06	18.5	0	
20	64QAM	1	99	17.13	17.12	17.11			
20	64QAM	50	0	17.12	17.19	17.07			
20	64QAM	50	24	17.14	17.23	17.12	18.5	0	
20	64QAM	50	50	17.16	17.12	17.09			
20	64QAM	100	0	17.15	17.19	17.07			
Channel				20825	21100	21375	18.5	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	17.21	17.22	17.27	18.5	0	
15	QPSK	1	37	17.24	17.10	17.00			
15	QPSK	1	74	16.89	16.98	16.91			
15	QPSK	36	0	17.10	17.27	17.08	18.5	0	
15	QPSK	36	20	17.21	17.11	16.96			
15	QPSK	36	39	17.14	17.12	16.91			
15	QPSK	75	0	17.13	17.18	16.92	18.5	0	
15	16QAM	1	0	17.27	17.28	17.25			
15	16QAM	1	37	17.21	17.23	17.12			
15	16QAM	1	74	17.22	17.00	16.97	18.5	0	
15	16QAM	36	0	16.76	16.78	16.84			
15	16QAM	36	20	16.83	16.95	16.80			
15	16QAM	36	39	16.90	16.95	16.85	18.5	0	
15	16QAM	75	0	16.84	16.83	16.87			
15	64QAM	1	0	16.73	16.98	16.94			
15	64QAM	1	37	17.07	17.10	17.04	18.5	0	
15	64QAM	1	74	17.02	16.85	16.96			
15	64QAM	36	0	17.03	17.10	16.83			
15	64QAM	36	20	17.04	17.00	17.00	18.5	0	
15	64QAM	36	39	16.97	17.14	16.96			
15	64QAM	75	0	17.07	17.14	16.89			
Channel				20800	21100	21400	18.5	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	17.18	17.22	17.19	18.5	0	
10	QPSK	1	25	17.22	17.02	17.00			
10	QPSK	1	49	16.87	16.99	16.97			
10	QPSK	25	0	17.11	17.27	17.00	18.5	0	
10	QPSK	25	12	17.16	17.05	17.02			
10	QPSK	25	25	17.20	17.09	16.94			
10	QPSK	50	0	17.08	17.16	16.91	18.5	0	
10	16QAM	1	0	17.23	17.30	17.30			
10	16QAM	1	25	17.27	17.19	17.11			
10	16QAM	1	49	17.22	17.03	16.95	18.5	0	
10	16QAM	25	0	16.77	16.77	16.82			
10	16QAM	25	12	16.79	17.03	16.77			
10	16QAM	25	25	16.89	17.01	16.91	18.5	0	
10	16QAM	50	0	16.84	16.80	16.82			
10	64QAM	1	0	16.82	16.88	16.94			
10	64QAM	1	25	16.99	17.13	16.99	18.5	0	
10	64QAM	1	49	16.99	16.93	16.92			
10	64QAM	25	0	17.06	17.10	16.79			
10	64QAM	25	12	17.04	16.98	17.00	18.5	0	
10	64QAM	25	25	16.96	17.19	16.90			
10	64QAM	50	0	17.08	17.16	16.93			
Channel				20775	21100	21425	18.5	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	17.22	17.22	17.23	18.5	0	
5	QPSK	1	12	17.19	17.04	17.03			
5	QPSK	1	24	16.94	17.03	16.88			
5	QPSK	12	0	17.06	17.20	17.08	18.5	0	
5	QPSK	12	7	17.26	17.06	16.96			
5	QPSK	12	13	17.12	17.13	16.95			
5	QPSK	25	0	17.08	17.15	16.93	18.5	0	
5	16QAM	1	0	17.26	17.29	17.25			
5	16QAM	1	12	17.23	17.26	17.08			
5	16QAM	1	24	17.20	17.01	17.02	18.5	0	
5	16QAM	12	0	16.76	16.86	16.90			
5	16QAM	12	7	16.81	16.97	16.76			
5	16QAM	12	13	16.88	16.96	16.88	18.5	0	
5	16QAM	25	0	16.84	16.84	16.86			
5	64QAM	1	0	16.75	16.95	16.89			
5	64QAM	1	12	17.09	17.10	17.01	18.5	0	
5	64QAM	1	24	17.00	16.91	16.98			
5	64QAM	12	0	17.04	17.04	16.77			
5	64QAM	12	7	16.97	16.98	16.95	18.5	0	
5	64QAM	12	13	16.98	17.17	16.88			
5	64QAM	25	0	17.07	17.17	16.93			

Band 38 Ant0 DSI2 NSA										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	18.42	18.54	18.38	19.5	0		
20	QPSK	1	49	18.25	18.51	18.22				
20	QPSK	1	99	18.50	18.17	18.27				
20	QPSK	50	0	18.50	18.51	18.27	19.5	0		
20	QPSK	50	24	18.43	18.49	18.26				
20	QPSK	50	50	18.47	18.29	18.21				
20	QPSK	100	0	18.45	18.53	18.27	19.5	0		
20	16QAM	1	0	18.51	18.46	18.37				
20	16QAM	1	49	18.45	18.52	18.31				
20	16QAM	1	99	18.50	18.36	18.37	19.5	0		
20	16QAM	50	0	18.50	18.41	18.15				
20	16QAM	50	24	18.50	18.20	18.06				
20	16QAM	50	50	18.52	18.28	18.01	19.5	0		
20	16QAM	100	0	18.34	18.25	18.12				
20	64QAM	1	0	18.52	18.48	18.49				
20	64QAM	1	49	18.50	18.52	18.29	19.5	0		
20	64QAM	1	99	18.50	18.45	18.50				
20	64QAM	50	0	18.49	18.41	18.11				
20	64QAM	50	24	18.53	18.35	18.11	19.5	0		
20	64QAM	50	50	18.39	18.19	18.19				
20	64QAM	100	0	18.42	18.48	18.19				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	18.48	18.25	18.25	19.5	0		
15	QPSK	1	37	18.25	18.45	18.17				
15	QPSK	1	74	18.43	18.24	18.28				
15	QPSK	36	0	18.48	18.48	18.23	19.5	0		
15	QPSK	36	20	18.44	18.36	18.26				
15	QPSK	36	39	18.46	18.38	18.27				
15	QPSK	75	0	18.39	18.47	18.07	19.5	0		
15	16QAM	1	0	18.42	18.43	18.35				
15	16QAM	1	37	18.33	18.37	18.34				
15	16QAM	1	74	18.51	18.29	18.45	19.5	0		
15	16QAM	36	0	18.36	18.36	18.05				
15	16QAM	36	20	18.43	18.37	18.21				
15	16QAM	36	39	18.46	18.29	18.18	19.5	0		
15	16QAM	75	0	18.49	18.23	18.04				
15	64QAM	1	0	18.45	18.38	18.49				
15	64QAM	1	37	18.33	18.42	18.29	19.5	0		
15	64QAM	1	74	18.38	18.46	18.46				
15	64QAM	36	0	18.48	18.38	18.09				
15	64QAM	36	20	18.43	18.22	18.29	19.5	0		
15	64QAM	36	39	18.40	18.24	18.27				
15	64QAM	75	0	18.46	18.51	18.24				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	18.37	18.53	18.35	19.5	0		
10	QPSK	1	25	18.51	18.40	18.28				
10	QPSK	1	49	18.42	18.31	18.43				
10	QPSK	25	0	18.45	18.47	18.20	19.5	0		
10	QPSK	25	12	18.52	18.41	18.30				
10	QPSK	25	25	18.44	18.27	18.14				
10	QPSK	50	0	18.46	18.44	18.19	19.5	0		
10	16QAM	1	0	18.51	18.46	18.34				
10	16QAM	1	25	18.36	18.40	18.35				
10	16QAM	1	49	18.50	18.18	18.45	19.5	0		
10	16QAM	25	0	18.38	18.40	17.97				
10	16QAM	25	12	18.48	18.22	18.23				
10	16QAM	25	25	18.52	18.14	18.19	19.5	0		
10	16QAM	50	0	18.46	18.24	18.07				
10	64QAM	1	0	18.45	18.43	18.33				
10	64QAM	1	25	18.36	18.50	18.27	19.5	0		
10	64QAM	1	49	18.38	18.44	18.49				
10	64QAM	25	0	18.38	18.43	18.10				
10	64QAM	25	12	18.50	18.29	18.18	19.5	0		
10	64QAM	25	25	18.23	18.30	18.16				
10	64QAM	50	0	18.35	18.49	18.10				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	18.38	18.45	18.29	19.5	0		
5	QPSK	1	12	18.51	18.37	18.16				
5	QPSK	1	24	18.42	18.40	18.37				
5	QPSK	12	0	18.52	18.50	18.08	19.5	0		
5	QPSK	12	7	18.26	18.48	18.23				
5	QPSK	12	13	18.52	18.31	18.28				
5	QPSK	25	0	18.32	18.52	18.29	19.5	0		
5	16QAM	1	0	18.52	18.40	18.36				
5	16QAM	1	12	18.32	18.48	18.18				
5	16QAM	1	24	18.50	18.27	18.49	19.5	0		
5	16QAM	12	0	18.50	18.29	18.09				
5	16QAM	12	7	18.47	18.24	18.18				
5	16QAM	12	13	18.46	18.19	18.00	19.5	0		
5	16QAM	25	0	18.44	18.32	18.05				
5	64QAM	1	0	18.43	18.38	18.51				
5	64QAM	1	12	18.44	18.36	18.32	19.5	0		
5	64QAM	1	24	18.41	18.32	18.44				
5	64QAM	12	0	18.49	18.32	18.13				
5	64QAM	12	7	18.44	18.33	18.27	19.5	0		
5	64QAM	12	13	18.42	18.17	18.16				
5	64QAM	25	0	18.50	18.32	18.09				

Band 41 Ant0 DSI2 NSA										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2905	2549.5	2593	2636.5	2680		
20	QPSK	1	0	18.50	18.42	18.55	18.31	18.20	19.5	0
20	QPSK	1	49	18.47	18.53	18.45	18.22	18.42		
20	QPSK	1	99	18.46	18.46	18.24	18.33	18.48		
20	QPSK	50	0	18.49	18.51	18.52	18.13	18.33	19.5	0
20	QPSK	50	24	18.50	18.51	18.37	18.22	18.40		
20	QPSK	50	50	18.48	18.49	18.28	18.15	18.36		
20	QPSK	100	0	18.50	18.46	18.51	18.13	18.33	19.5	0
20	16QAM	1	0	18.49	18.43	18.30	18.32	18.24		
20	16QAM	1	49	18.51	18.58	18.40	18.23	18.44		
20	16QAM	1	99	18.47	18.46	18.24	18.33	18.43	19.5	0
20	16QAM	50	0	18.42	18.40	18.26	18.00	18.24		
20	16QAM	50	24	18.45	18.43	18.26	18.11	18.28		
20	16QAM	50	50	18.40	18.39	18.19	18.06	18.26	19.5	0
20	16QAM	100	0	18.42	18.41	18.22	18.03	18.26		
20	64QAM	1	0	18.67	18.58	18.43	18.50	18.39		
20	64QAM	1	49	18.57	18.55	18.43	18.20	18.40	19.5	0
20	64QAM	1	99	18.63	18.61	18.39	18.51	18.64		
20	64QAM	50	0	18.46	18.45	18.30	18.07	18.27		
20	64QAM	50	24	18.50	18.47	18.29	18.14	18.31	19.5	0
20	64QAM	50	50	18.46	18.45	18.22	18.12	18.31		
20	64QAM	100	0	18.57	18.54	18.37	18.16	18.39		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2593.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	18.29	18.22	18.37	18.07	18.01	19.50	0
15	QPSK	1	37	18.28	18.34	18.22	17.98	18.19		
15	QPSK	1	74	18.21	18.29	18.00	18.17	18.32		
15	QPSK	36	0	18.33	18.28	18.32	17.90	18.01	19.5	0
15	QPSK	36	20	18.34	18.32	18.16	17.99	18.20		
15	QPSK	36	39	18.30	18.31	18.04	17.92	18.12		
15	QPSK	75	0	18.34	18.31	18.31	17.97	18.15	19.5	0
15	16QAM	1	0	18.28	18.20	18.13	18.09	18.02		
15	16QAM	1	37	18.44	18.41	18.16	18.02	18.21		
15	16QAM	1	74	18.27	18.22	18.09	18.11	18.27	19.5	0
15	16QAM	36	0	18.21	18.23	18.10	17.76	18.00		
15	16QAM	36	20	18.15	18.21	18.06	17.99	18.06		
15	16QAM	36	39	18.22	18.20	18.01	17.98	18.07	19.5	0
15	16QAM	75	0	18.17	18.18	17.99	17.82	18.03		
15	64QAM	1	0	18.45	18.33	18.26	18.30	18.23		
15	64QAM	1	37	18.40	18.31	18.25	18.00	18.22	19.5	0
15	64QAM	1	74	18.45	18.40	18.16	18.33	18.41		
15	64QAM	36	0	18.30	18.23	18.15	17.84	18.02		
15	64QAM	36	20	18.29	18.27	18.04	17.98	18.11	19.5	0
15	64QAM	36	39	18.27	18.26	18.03	17.94	18.15		
15	64QAM	75	0	18.35	18.35	18.13	17.91	18.23		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	18.33	18.21	18.34	18.15	17.96	19.50	0
10	QPSK	1	25	18.27	18.31	18.27	18.04	18.22		
10	QPSK	1	49	18.23	18.29	18.01	18.15	18.26		
10	QPSK	25	0	18.29	18.30	18.35	17.91	18.15	19.5	0
10	QPSK	25	12	18.26	18.34	18.15	17.99	18.15		
10	QPSK	25	25	18.31	18.28	18.09	17.98	18.21		
10	QPSK	50	0	18.35	18.24	18.33	17.90	18.10	19.5	0
10	16QAM	1	0	18.31	18.25	18.06	18.09	18.04		
10	16QAM	1	25	18.37	18.33	18.24	18.01	18.24		
10	16QAM	1	49	18.28	18.28	18.07	18.09	18.19	19.5	0
10	16QAM	25	0	18.21	18.17	18.04	17.77	18.04		
10	16QAM	25	12	18.21	18.20	18.07	17.89	18.03		
10	16QAM	25	25	18.20	18.20	17.95	17.89	18.08	19.5	0
10	16QAM	50	0	18.25	18.18	17.99	17.86	18.01		
10	64QAM	1	0	18.15	18.39	18.26	18.35	18.21		
10	64QAM	1	25	18.13	18.39	18.27	18.12	18.20	19.5	0
10	64QAM	1	49	18.47	18.41	18.15	18.32	18.47		
10	64QAM	25	0	18.29	18.27	18.07	17.91	18.11		
10	64QAM	25	12	18.29	18.24	18.05	17.96	18.07	19.5	0
10	64QAM	25	25	18.25	18.25	18.04	17.95	18.09		
10	64QAM	50	0	18.33	18.31	18.17	18.00	18.18		
Channel				39675	40163	40620	41063	41563	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	18.28	18.25	18.31	18.11	18.02	19.50	0
5	QPSK	1	12	18.28	18.28	18.25	18.06	18.20		
5	QPSK	1	24	18.21	18.26	18.01	18.14	18.25		
5	QPSK	12	0	18.25	18.33	18.36	17.89	18.11	19.5	0
5	QPSK	12	7	18.31	18.27	18.21	17.99	18.17		
5	QPSK	12	13	18.25	18.27	18.08	17.92	18.14		
5	QPSK	25	0	18.29	18.22	18.34	17.95	18.15	19.5	0
5	16QAM	1	0	18.26	18.22	18.08	18.15	18.08		
5	16QAM	1	12	18.42	18.39	18.16	18.06	18.20		
5	16QAM	1	24	18.28	18.26	18.02	18.17	18.22	19.5	0
5	16QAM	12	0	18.18	18.25	18.08	17.84	18.07		
5	16QAM	12	7	18.20	18.22	18.06	17.90	18.06		
5	16QAM	12	13	18.15	18.20	18.03	17.91	18.08	19.5	0
5	16QAM	25	0	18.19	18.17	18.00	17.80	18.04		
5	64QAM	1	0	18.10	18.42	18.24	18.26	18.15		
5	64QAM	1	12	18.41	18.39	18.24	17.96	18.23	19.5	0
5	64QAM	1	24	18.39	18.40	18.19	18.31	18.42		
5	64QAM	12	0	18.25	18.26	18.09	17.88	18.05		
5	64QAM	12	7	18.33	18.25	18.10	17.96	18.13	19.5	0
5	64QAM	12	13	18.26	18.23	18.06	17.90	18.10		
5	64QAM	25	0	18.38	18.35	18.21	17.97	18.16		

Band 7 Ant4 DS12 NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	21.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.12	20.23	20.16			
20	QPSK	1	49	20.03	20.05	19.88			
20	QPSK	1	99	19.83	20.19	19.84	21.5	0	
20	QPSK	50	0	20.03	20.20	20.10			
20	QPSK	50	24	20.06	20.10	20.02			
20	QPSK	50	50	20.08	20.17	20.09			
20	QPSK	100	0	19.95	20.05	20.00	21.5	0	
20	16QAM	1	0	19.91	20.17	19.81			
20	16QAM	1	49	19.89	19.89	20.05			
20	16QAM	1	99	20.01	20.09	19.91			
20	16QAM	50	0	20.04	20.13	20.37	21.5	0	
20	16QAM	50	24	20.06	20.11	20.37			
20	16QAM	50	50	19.99	20.10	20.21			
20	16QAM	100	0	19.86	20.15	20.31			
20	64QAM	1	0	19.99	20.24	20.31	21.5	0	
20	64QAM	1	49	20.08	20.23	20.34			
20	64QAM	1	99	20.11	20.11	20.17			
20	64QAM	50	0	19.78	19.86	20.20			
20	64QAM	50	24	19.74	19.99	20.10	21.5	0	
20	64QAM	50	50	19.75	19.85	20.19			
20	64QAM	100	0	19.99	20.16	20.18			
Channel				20825	21100	21375	21.5	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.93	20.16	20.08			
15	QPSK	1	37	19.94	19.93	19.78			
15	QPSK	1	74	19.69	20.09	19.76	21.5	0	
15	QPSK	36	0	19.88	20.10	19.96			
15	QPSK	36	20	19.93	20.03	19.97			
15	QPSK	36	39	20.02	20.11	20.01			
15	QPSK	75	0	19.86	19.98	19.85	21.5	0	
15	16QAM	1	0	19.81	20.02	19.76			
15	16QAM	1	37	19.76	19.84	19.92			
15	16QAM	1	74	19.94	20.00	19.79			
15	16QAM	36	0	19.89	20.05	20.32	21.5	0	
15	16QAM	36	20	19.97	20.03	20.27			
15	16QAM	36	39	19.88	20.00	20.13			
15	16QAM	75	0	19.75	20.03	20.19			
15	64QAM	1	0	19.91	20.14	20.17	21.5	0	
15	64QAM	1	37	19.96	20.16	20.23			
15	64QAM	1	74	19.99	20.06	20.02			
15	64QAM	36	0	19.70	19.75	20.13			
15	64QAM	36	20	19.66	19.92	20.05	21.5	0	
15	64QAM	36	39	19.66	19.71	20.08			
15	64QAM	75	0	19.88	20.06	20.10			
Channel				20800	21100	21400	21.5	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.95	20.09	20.10			
10	QPSK	1	25	19.90	19.98	19.80			
10	QPSK	1	49	19.71	20.13	19.76	21.5	0	
10	QPSK	25	0	19.95	20.07	19.99			
10	QPSK	25	12	20.00	20.02	19.94			
10	QPSK	25	25	19.99	20.04	19.96			
10	QPSK	50	0	19.83	19.97	19.90	21.5	0	
10	16QAM	1	0	19.79	20.02	19.72			
10	16QAM	1	25	19.81	19.81	19.92			
10	16QAM	1	49	19.86	20.04	19.83			
10	16QAM	25	0	19.90	19.98	20.28	21.5	0	
10	16QAM	25	12	19.92	20.00	20.25			
10	16QAM	25	25	19.87	19.96	20.07			
10	16QAM	50	0	19.73	20.06	20.17			
10	64QAM	1	0	19.92	20.14	20.20	21.5	0	
10	64QAM	1	25	19.94	20.09	20.25			
10	64QAM	1	49	20.00	19.97	20.08			
10	64QAM	25	0	19.69	19.81	20.06			
10	64QAM	25	12	19.60	19.85	19.97	21.5	0	
10	64QAM	25	25	19.69	19.72	20.07			
10	64QAM	50	0	19.87	20.10	20.09			
Channel				20775	21100	21425	21.5	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.94	20.16	20.07			
5	QPSK	1	12	19.97	19.99	19.62			
5	QPSK	1	24	19.72	20.10	19.72	21.5	0	
5	QPSK	12	0	19.94	20.09	20.00			
5	QPSK	12	7	19.98	20.03	19.92			
5	QPSK	12	13	19.95	20.09	19.98			
5	QPSK	25	0	19.88	19.93	19.88	21.5	0	
5	16QAM	1	0	19.83	20.03	19.70			
5	16QAM	1	12	19.80	19.79	19.92			
5	16QAM	1	24	19.94	20.03	19.81			
5	16QAM	12	0	19.97	20.05	20.23	21.5	0	
5	16QAM	12	7	20.00	20.03	20.30			
5	16QAM	12	13	19.86	20.01	20.11			
5	16QAM	25	0	19.77	20.02	20.25			
5	64QAM	1	0	19.92	20.19	20.20	21.5	0	
5	64QAM	1	12	19.97	20.11	20.22			
5	64QAM	1	24	20.00	19.97	20.10			
5	64QAM	12	0	19.73	19.78	20.06			
5	64QAM	12	7	19.60	19.91	20.02	21.5	0	
5	64QAM	12	13	19.68	19.76	20.05			
5	64QAM	25	0	19.89	20.11	20.11			

Band 2 Ant4 DSI 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	21.29	21.52	21.20	22.5	0	
20	QPSK	1	49	21.27	21.36	21.16			
20	QPSK	1	99	21.27	21.30	21.25			
20	QPSK	50	0	21.23	21.33	21.24	22.5	0	
20	QPSK	50	24	21.27	21.17	21.18			
20	QPSK	50	50	21.17	21.24	21.14			
20	QPSK	100	0	21.21	21.27	21.16	22.5	0	
20	16QAM	1	0	21.21	21.30	21.33			
20	16QAM	1	49	21.32	21.24	21.33			
20	16QAM	1	99	21.20	21.09	21.40	22.5	0	
20	16QAM	50	0	21.23	21.24	21.19			
20	16QAM	50	24	21.19	21.09	21.15			
20	16QAM	50	50	21.13	21.30	20.96	22.5	0	
20	16QAM	100	0	21.29	21.39	21.29			
20	64QAM	1	0	21.24	21.33	21.41			
20	64QAM	1	49	21.34	21.30	21.27	22.5	0	
20	64QAM	1	99	21.30	21.45	21.32			
20	64QAM	50	0	21.43	21.35	21.42			
20	64QAM	50	24	21.41	21.33	21.17	22.5	0	
20	64QAM	50	50	21.32	21.42	21.27			
20	64QAM	100	0	21.41	21.33	21.41			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5			
15	QPSK	1	0	21.19	21.42	21.12	22.5	0	
15	QPSK	1	37	21.17	21.25	21.02			
15	QPSK	1	74	21.19	21.24	21.18			
15	QPSK	36	0	21.12	21.22	21.16	22.5	0	
15	QPSK	36	20	21.12	21.09	21.07			
15	QPSK	36	39	21.08	21.10	21.02			
15	QPSK	75	0	21.07	21.20	21.08	22.5	0	
15	16QAM	1	0	21.11	21.16	21.45			
15	16QAM	1	37	21.27	21.15	21.45			
15	16QAM	1	74	21.08	21.18	21.30	22.5	0	
15	16QAM	36	0	21.08	21.12	21.04			
15	16QAM	36	20	21.11	21.00	21.03			
15	16QAM	36	39	20.99	21.23	20.84	22.5	0	
15	16QAM	75	0	21.19	21.24	21.16			
15	64QAM	1	0	21.09	21.36	21.27			
15	64QAM	1	37	21.26	21.23	21.15	22.5	0	
15	64QAM	1	74	21.17	21.35	21.17			
15	64QAM	36	0	21.22	21.31	21.19			
15	64QAM	36	20	21.16	21.12	21.13	22.5	0	
15	64QAM	36	39	21.23	21.24	21.25			
15	64QAM	75	0	21.18	21.23	21.07			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	0	21.24	21.40	21.13	22.5	0	
10	QPSK	1	25	21.14	21.29	21.07			
10	QPSK	1	49	21.21	21.16	21.18			
10	QPSK	25	0	21.12	21.28	21.17	22.5	0	
10	QPSK	25	12	21.18	21.05	21.07			
10	QPSK	25	25	21.08	21.09	21.05			
10	QPSK	50	0	21.08	21.12	21.03	22.5	0	
10	16QAM	1	0	21.11	21.24	21.46			
10	16QAM	1	25	21.26	21.14	21.41			
10	16QAM	1	49	21.11	21.45	21.35	22.5	0	
10	16QAM	25	0	21.16	21.11	21.13			
10	16QAM	25	12	21.07	20.97	21.08			
10	16QAM	25	25	21.07	21.20	20.87	22.5	0	
10	16QAM	50	0	21.18	21.28	21.24			
10	64QAM	1	0	21.13	21.31	21.28			
10	64QAM	1	25	21.21	21.16	21.22	22.5	0	
10	64QAM	1	49	21.16	21.33	21.15			
10	64QAM	25	0	21.24	21.28	21.36			
10	64QAM	25	12	21.19	21.24	21.13	22.5	0	
10	64QAM	25	25	21.20	21.43	21.16			
10	64QAM	50	0	21.05	21.12	21.02			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5			
5	QPSK	1	0	21.22	21.43	21.07	22.5	0	
5	QPSK	1	12	21.22	21.28	21.04			
5	QPSK	1	24	21.14	21.17	21.15			
5	QPSK	12	0	21.11	21.25	21.11	22.5	0	
5	QPSK	12	7	21.21	21.06	21.04			
5	QPSK	12	13	21.03	21.18	21.01			
5	QPSK	25	0	21.14	21.18	21.02	22.5	0	
5	16QAM	1	0	21.07	21.16	21.44			
5	16QAM	1	12	21.21	21.12	21.46			
5	16QAM	1	24	21.11	21.46	21.30	22.5	0	
5	16QAM	12	0	21.11	21.18	21.04			
5	16QAM	12	7	21.06	20.99	21.05			
5	16QAM	12	13	21.07	21.17	20.90	22.5	0	
5	16QAM	25	0	21.22	21.25	21.22			
5	64QAM	1	0	21.09	21.22	21.29			
5	64QAM	1	12	21.19	21.21	21.19	22.5	0	
5	64QAM	1	24	21.20	21.35	21.25			
5	64QAM	12	0	21.16	20.98	20.90			
5	64QAM	12	7	21.01	21.12	20.97	22.5	0	
5	64QAM	12	13	20.88	20.92	20.86			
5	64QAM	25	0	21.05	21.02	21.01			
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1861.5	1880	1908.5			
3	QPSK	1	0	21.21	21.43	21.08	22.5	0	
3	QPSK	1	8	21.15	21.29	21.02			
3	QPSK	1	14	21.20	21.22	21.13			
3	QPSK	8	0	21.10	21.23	21.15	22.5	0	
3	QPSK	8	4	21.22	21.02	21.07			
3	QPSK	8	7	21.04	21.14	21.05			
3	QPSK	15	0	21.10	21.14	21.09	22.5	0	
3	16QAM	1	0	21.10	21.18	21.23			
3	16QAM	1	8	21.23	21.11	21.43			
3	16QAM	1	14	21.07	21.23	21.29	22.5	0	
3	16QAM	8	0	21.12	21.17	21.05			
3	16QAM	8	4	21.13	20.98	21.01			
3	16QAM	8	7	21.06	21.22	20.88	22.5	0	
3	16QAM	15	0	21.17	21.32	21.23			
3	64QAM	1	0	21.17	21.36	21.27			
3	64QAM	1	8	21.27	21.18	21.18	22.5	0	
3	64QAM	1	14	21.23	21.38	21.22			
3	64QAM	8	0	21.26	21.13	21.32			
3	64QAM	8	4	21.29	21.38	21.15	22.5	0	
3	64QAM	8	7	21.28	21.26	21.31			
3	64QAM	15	0	21.11	21.36	21.21			
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860.7	1880	1909.3			
1.4	QPSK	1	0	21.22	21.43	21.09	22.5	0	
1.4	QPSK	1	3	21.18	21.25	21.05			
1.4	QPSK	1	5	21.18	21.17	21.10			
1.4	QPSK	3	0	21.15	21.23	21.14	22.5	0	
1.4	QPSK	3	1	21.22	21.05	21.05			
1.4	QPSK	3	3	21.05	21.19	21.04			
1.4	QPSK	6	0	21.12	21.18	21.04	22.5	0	
1.4	16QAM	1	0	21.07	21.20	21.30			
1.4	16QAM	1	3	21.27	21.14	21.41	22.5	0	
1.4	16QAM	1	5	21.13	21.33	21.31			
1.4	16QAM	3	0	21.14	21.12	21.13			
1.4	16QAM	3	1	21.12	20.95	21.10	22.5	0	
1.4	16QAM	3	3	21.04	21.21	20.88			
1.4	16QAM	6	0	21.23	21.29	21.22			
1.4	16QAM	1	0	21.15	21.22	21.30	22.5	0	
1.4	64QAM	1	3	21.28	21.20	21.19			
1.4	64QAM	1	5	21.22	21.38	21.22			
1.4	64QAM	3	0	21.29	21.38	21.16	22.5	0	
1.4	64QAM	3	1	21.28	21.25	21.31			
1.4	64QAM	3	3	21.11	21.36	21.21			
1.4	64QAM	6	0	21.33	21.23	21.21	22.5	0	

Band 38 Ant4 DSI 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	22.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.23	21.40	21.13	22.5	0	
20	QPSK	1	49	21.15	21.30	21.07			
20	QPSK	1	99	21.12	21.18	21.16			
20	QPSK	50	0	21.17	21.24	21.10			
20	QPSK	50	24	21.15	21.11	21.11	22.5	0	
20	QPSK	50	50	21.05	21.16	21.02			
20	QPSK	100	0	21.12	21.14	21.11			
20	16QAM	1	0	21.08	21.23	21.37			
20	16QAM	1	49	21.19	21.11	21.35	22.5	0	
20	16QAM	1	99	21.08	21.35	21.25			
20	16QAM	50	0	21.14	21.12	21.05			
20	16QAM	50	24	21.05	21.00	21.06			
20	16QAM	50	50	21.01	21.19	20.84	22.5	0	
20	16QAM	100	0	21.20	21.28	21.19			
20	64QAM	1	0	21.17	21.38	21.26			
20	64QAM	1	49	21.20	21.22	21.20			
20	64QAM	1	99	21.17	21.37	21.18	22.5	0	
20	64QAM	50	0	21.21	21.21	21.06			
20	64QAM	50	24	21.07	21.34	21.19			
20	64QAM	50	50	21.01	21.09	21.02			
20	64QAM	100	0	21.30	21.15	21.19	22.5	0	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	22.5	0	
15	QPSK	1	0	21.10	21.31	21.03			
15	QPSK	1	37	21.07	21.23	20.99	22.5	0	
15	QPSK	1	74	21.05	21.12	21.10			
15	QPSK	36	0	21.06	21.18	20.98			
15	QPSK	36	20	21.07	20.98	21.03			
15	QPSK	36	39	20.99	21.02	20.92	22.5	0	
15	QPSK	75	0	21.04	21.06	21.06			
15	16QAM	1	0	21.00	21.16	21.34			
15	16QAM	1	37	21.08	20.98	21.38			
15	16QAM	1	74	20.98	21.34	21.10	22.5	0	
15	16QAM	36	0	21.06	21.03	20.99			
15	16QAM	36	20	20.94	20.89	20.94			
15	16QAM	36	39	20.91	21.07	20.78			
15	16QAM	75	0	21.10	21.19	21.06	22.5	0	
15	64QAM	1	0	21.07	21.37	21.13			
15	64QAM	1	37	21.09	21.09	21.08			
15	64QAM	1	74	21.08	21.24	21.11			
15	64QAM	36	0	21.16	21.11	21.09	22.5	0	
15	64QAM	36	20	21.20	21.24	21.07			
15	64QAM	36	39	21.09	21.06	21.14			
15	64QAM	75	0	21.20	21.02	21.25			
Channel				37800	38000	38200	22.5	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.09	21.30	21.07	22.5	0	
10	QPSK	1	25	21.01	21.15	20.94			
10	QPSK	1	49	21.04	21.11	21.07			
10	QPSK	25	0	21.04	21.15	20.98			
10	QPSK	25	12	21.03	21.01	21.01	22.5	0	
10	QPSK	25	25	20.92	21.09	20.91			
10	QPSK	50	0	21.00	21.07	21.04			
10	16QAM	1	0	20.94	21.13	21.33			
10	16QAM	1	25	21.05	21.04	21.37	22.5	0	
10	16QAM	1	49	20.98	21.34	21.16			
10	16QAM	25	0	21.00	21.05	20.90			
10	16QAM	25	12	20.93	20.91	20.94			
10	16QAM	25	25	20.88	21.06	20.70	22.5	0	
10	16QAM	50	0	21.12	21.16	21.08			
10	64QAM	1	0	21.12	21.34	21.20			
10	64QAM	1	25	21.14	21.13	21.06			
10	64QAM	1	49	21.03	21.23	21.05	22.5	0	
10	64QAM	25	0	21.30	21.08	21.11			
10	64QAM	25	12	21.00	21.01	21.03			
10	64QAM	25	25	20.95	20.97	21.10			
10	64QAM	50	0	21.13	20.93	21.09	22.5	0	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	22.5	0	
5	QPSK	1	0	21.09	21.29	20.99			
5	QPSK	1	12	21.01	21.15	20.96	22.5	0	
5	QPSK	1	24	21.02	21.07	21.04			
5	QPSK	12	0	21.05	21.18	21.02			
5	QPSK	12	7	21.09	21.01	20.97			
5	QPSK	12	13	20.99	21.11	20.94	22.5	0	
5	QPSK	25	0	21.05	21.00	20.98			
5	16QAM	1	0	20.94	21.16	21.31			
5	16QAM	1	12	21.13	21.00	21.31			
5	16QAM	1	24	20.94	21.23	21.16	22.5	0	
5	16QAM	12	0	21.07	21.05	20.96			
5	16QAM	12	7	20.96	20.91	20.93			
5	16QAM	12	13	20.95	21.10	20.73			
5	16QAM	25	0	21.09	21.13	21.04	22.5	0	
5	64QAM	1	0	21.03	21.37	21.17			
5	64QAM	1	12	21.11	21.11	21.10			
5	64QAM	1	24	21.06	21.25	21.12			
5	64QAM	12	0	21.27	21.23	21.04	22.5	0	
5	64QAM	12	7	21.14	21.06	21.13			
5	64QAM	12	13	21.01	20.97	20.96			
5	64QAM	25	0	21.18	21.02	21.07			

Band 41 Ant4 DSI 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	22.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.15	21.22	21.44	21.15	21.42	22.5	0
20	QPSK	1	49	21.15	21.20	21.28	21.15	21.29		
20	QPSK	1	99	21.16	21.14	21.15	21.13	21.17		
20	QPSK	50	0	21.16	21.18	21.32	21.15	21.19		
20	QPSK	50	24	21.15	21.18	21.05	21.13	21.06	22.5	0
20	QPSK	50	50	21.03	21.02	21.17	21.05	21.12		
20	QPSK	100	0	21.10	21.14	21.24	21.12	21.20		
20	16QAM	1	0	20.93	20.99	21.24	20.98	21.19		
20	16QAM	1	49	20.93	21.02	21.07	20.99	21.13	22.5	0
20	16QAM	1	99	20.97	20.90	20.94	20.91	20.94		
20	16QAM	50	0	20.98	20.96	21.09	20.95	21.03		
20	16QAM	50	24	20.95	21.01	20.89	20.91	20.83		
20	16QAM	50	50	20.81	20.81	20.97	20.81	20.88	22.5	0
20	16QAM	100	0	20.92	20.99	21.04	20.95	21.02		
20	64QAM	1	0	20.90	20.97	21.10	20.85	21.16		
20	64QAM	1	49	20.89	20.90	20.99	20.90	21.02		
20	64QAM	1	99	20.90	20.81	20.81	20.81	20.89	22.5	0
20	64QAM	50	0	20.89	20.90	21.01	20.87	20.92		
20	64QAM	50	24	20.82	20.85	20.75	20.83	20.76		
20	64QAM	50	50	20.72	20.69	20.90	20.71	20.77		
20	64QAM	100	0	20.80	20.84	20.95	20.84	20.94	22.5	0
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	21.09	21.15	21.38	21.06	21.33	22.50	0
15	QPSK	1	37	21.00	21.06	21.22	21.04	21.16		
15	QPSK	1	74	21.01	21.08	21.05	21.01	21.06		
15	QPSK	36	0	21.07	21.12	21.25	21.10	21.10		
15	QPSK	36	20	21.05	21.05	20.91	21.01	20.96	22.5	0
15	QPSK	36	39	20.92	20.94	21.04	20.94	21.02		
15	QPSK	75	0	21.03	21.07	21.09	21.06	21.08		
15	16QAM	1	0	20.95	21.08	21.07	21.00	21.06		
15	16QAM	1	37	21.10	21.20	21.08	21.11	21.20	22.5	0
15	16QAM	1	74	20.98	21.05	21.15	21.22	21.09		
15	16QAM	36	0	21.09	21.06	21.06	21.05	21.07		
15	16QAM	36	20	20.95	20.99	20.86	21.24	21.08		
15	16QAM	36	39	20.90	20.87	21.05	20.98	21.04	22.5	0
15	16QAM	75	0	21.06	21.08	21.29	21.09	21.23		
15	64QAM	1	0	21.11	21.02	21.07	21.00	21.06		
15	64QAM	1	37	21.15	21.07	21.08	21.11	21.20		
15	64QAM	1	74	21.06	21.10	21.15	21.22	21.09	22.5	0
15	64QAM	36	0	20.89	20.91	21.06	21.05	21.07		
15	64QAM	36	20	20.96	20.86	20.86	21.24	21.08		
15	64QAM	36	39	20.85	20.93	21.08	20.97	20.93		
15	64QAM	75	0	20.86	20.79	20.97	21.16	21.05	22.5	0
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	21.06	21.11	21.31	21.06	21.30	22.50	0
10	QPSK	1	25	21.08	21.06	21.19	21.10	21.21		
10	QPSK	1	49	21.10	21.00	21.07	21.00	21.08		
10	QPSK	25	0	21.04	21.07	21.19	21.01	21.11		
10	QPSK	25	12	21.07	21.09	20.98	21.08	21.01	22.5	0
10	QPSK	25	25	20.96	20.91	21.09	20.97	21.01		
10	QPSK	50	0	20.99	21.01	21.07	21.02	21.09		
10	16QAM	1	0	21.02	21.08	21.07	20.98	21.11		
10	16QAM	1	25	21.13	21.19	21.04	21.11	21.03	22.5	0
10	16QAM	1	49	20.92	21.00	21.00	20.99	21.01		
10	16QAM	25	0	21.06	21.07	21.03	21.01	21.03		
10	16QAM	25	12	20.95	21.03	20.92	20.98	20.91		
10	16QAM	25	25	20.94	20.86	21.06	20.99	21.07	22.5	0
10	16QAM	50	0	21.03	21.06	21.27	21.09	21.14		
10	64QAM	1	0	21.06	21.07	21.00	21.06	21.32		
10	64QAM	1	25	21.20	21.08	21.11	21.20	21.07		
10	64QAM	1	49	21.11	21.15	21.22	21.09	21.32	22.5	0
10	64QAM	25	0	20.96	21.06	21.05	21.07	21.12		
10	64QAM	25	12	20.96	20.86	21.24	21.08	21.09		
10	64QAM	25	25	20.98	21.16	21.29	21.04	21.11		
10	64QAM	50	0	20.79	20.83	21.07	21.12	21.15	22.5	0
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	21.05	21.17	21.35	21.02	21.34	22.50	0
5	QPSK	1	12	21.09	21.10	21.18	21.07	21.17		
5	QPSK	1	24	21.01	21.03	21.02	20.99	21.07		
5	QPSK	12	0	21.08	21.12	21.23	21.06	21.13		
5	QPSK	12	7	21.10	21.06	20.97	21.01	20.99	22.5	0
5	QPSK	12	13	20.91	20.91	21.06	20.93	21.04		
5	QPSK	25	0	21.05	21.06	21.10	21.06	21.12		
5	16QAM	1	0	20.95	21.11	21.10	21.04	21.09		
5	16QAM	1	12	21.09	21.12	21.06	21.13	21.08	22.5	0
5	16QAM	1	24	20.94	21.03	21.11	21.01	21.00		
5	16QAM	12	0	21.09	21.07	21.07	21.02	21.08		
5	16QAM	12	7	20.96	21.00	20.85	20.92	20.91		
5	16QAM	12	13	20.96	20.91	21.04	20.93	21.08	22.5	0
5	16QAM	25	0	21.09	21.01	21.20	21.12	21.19		
5	64QAM	1	0	21.04	21.00	21.33	21.04	21.27		
5	64QAM	1	12	21.18	21.07	21.09	21.18	21.09		
5	64QAM	1	24	21.09	21.15	21.23	21.09	21.30	22.5	0
5	64QAM	12	0	21.07	21.04	21.06	21.10	21.07		
5	64QAM	12	7	21.09	21.25	21.23	21.21	21.25		
5	64QAM	12	13	21.15	21.23	21.12	21.29	21.14		
5	64QAM	25	0	21.18	21.07	21.15	21.13	21.18	22.5	0
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	21.05	21.17	21.35	21.02	21.34	22.50	0
5	QPSK	1	12	21.09	21.10	21.18	21.07	21.17		
5	QPSK	1	24	21.01	21.03	21.02	20.99	21.07		
5	QPSK	12	0	21.08	21.12	21.23	21.06	21.13		
5	QPSK	12	7	21.10	21.06	20.97	21.01	20.99	22.5	0
5	QPSK	12	13	20.91	20.91	21.06	20.93	21.04		
5	QPSK	25	0	21.05	21.06	21.10	21.06	21.12		
5	16QAM	1	0	20.95	21.11	21.10	21.04	21.09		
5	16QAM	1	12	21.09	21.12	21.06	21.13	21.08	22.5	0
5	16QAM	1	24	20.94	21.03	21.11	21.01	21.00		
5	16QAM	12	0	21.09	21.07	21.07	21.02	21.08		
5	16QAM	12	7	20.96	21.00	20.85	20.92	20.91		
5	16QAM	12	13	20.96	20.91	21.04	20.93	21.08	22.5	0
5	16QAM	25	0	21.09	21.01	21.20	21.12	21.19		
5	64QAM	1	0	21.04	21.00	21.33	21.04	21.27		
5	64QAM	1	12	21.18	21.07	21.09	21.18	21.09		
5	64QAM	1	24	21.09	21.15	21.23	21.09	21.30	22.5	0
5	64QAM	12	0	21.07	21.04	21.06	21.10	21.07		
5	64QAM	12	7	21.09	21.25	21.23	21.21	21.25		
5	64QAM	12	13	21.15	21.23	21.12	21.29	21.14		
5	64QAM	25	0	21.18	21.07	21.15	21.13	21.18	22.5	0
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	21.05	21.17	21.35	21.02	21.34	22.50	0
5	QPSK	1	12	21.09	21.10	21.18	21.07	21.17		
5	QPSK	1	24	21.01	21.03	21.02	20.99	21.07		
5	QPSK	12	0	21.08	21.12	21.23	21.06	21.13		
5	QPSK	12	7	21.10	21.06	20.97	21.01	20.99	22.5	0
5	QPSK	12	13	20.91	20.91	21.06	20.93	21.04		
5	QPSK	25	0	21.05	21.06	21.10	21.06	21.12		
5	16QAM	1	0	20.95	21.11	21.10	21.04	21.09		
5	16QAM	1	12	21.09	21.12	21.06	21.13	21.08	22.5	0
5	16QAM	1	24	20.94	21.03	21.11	21.01	21.00		
5	16QAM	12	0	21.09	21.07	21.07	21.02	21.08		
5	16QAM	12	7	20.96	21.00	20.85	20.92	20.91		
5	16QAM	12	13	20.96	20.91	21.04	20.93	21.08	22.5	0
5	16QAM	25	0	21.09	21.01	21.20	21.12	21.19		
5	64QAM	1	0	21.04	21.00	21.33	21.04	21.27		
5	64QAM	1	12	21.18	21.07	21.09	21.18	21.09		
5	64QAM	1	24	21.09	21.15	21.23	21.09	21.30	22.5	0
5	64QAM	12	0	21.07	21.04	21.06	21.10	21.07		
5	64QAM	12	7	21.09	21.25	21.23	21.21	21.25		
5	64QAM	12	13	21.15	21.23	21.12	21.29	21.14		
5	64QAM	25	0	21.18	21.07	21.15	21.13	21.18	22.5	0
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	21.05	21.17	21.35	21.02			

Band 7 Ant0 DSI 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	12.50	12.52	12.40	14	0	
20	QPSK	1	49	12.44	12.46	12.35			
20	QPSK	1	99	12.33	12.35	12.33			
20	QPSK	50	0	12.37	12.49	12.33	14	0	
20	QPSK	50	24	12.38	12.25	12.35			
20	QPSK	50	50	12.21	12.42	12.23			
20	QPSK	100	0	12.32	12.45	12.34	14	0	
20	16QAM	1	0	12.37	12.43	12.34			
20	16QAM	1	49	12.44	12.29	12.49			
20	16QAM	1	99	12.37	12.31	12.26	14	0	
20	16QAM	50	0	12.32	12.34	12.25			
20	16QAM	50	24	12.29	12.17	12.27			
20	16QAM	50	50	12.17	12.34	12.29	14	0	
20	16QAM	100	0	12.36	12.31	12.37			
20	64QAM	1	0	12.33	12.44	12.38			
20	64QAM	1	49	12.37	12.39	12.45	14	0	
20	64QAM	1	99	12.41	12.43	12.24			
20	64QAM	50	0	12.50	12.35	12.45			
20	64QAM	50	24	12.18	12.33	12.26	14	0	
20	64QAM	50	50	12.27	12.22	12.24			
20	64QAM	100	0	12.15	12.18	12.15			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	12.31	12.41	12.26	14	0	
15	QPSK	1	37	12.34	12.34	12.21			
15	QPSK	1	74	12.22	12.27	12.21			
15	QPSK	36	0	12.25	12.36	12.27	14	0	
15	QPSK	36	20	12.25	12.13	12.27			
15	QPSK	36	39	12.12	12.30	12.09			
15	QPSK	75	0	12.27	12.30	12.25	14	0	
15	16QAM	1	0	12.25	12.32	12.20			
15	16QAM	1	37	12.26	12.23	12.13			
15	16QAM	1	74	12.18	12.27	12.17	14	0	
15	16QAM	36	0	12.15	12.07	12.16			
15	16QAM	36	20	12.04	12.25	12.20			
15	16QAM	36	39	12.23	12.23	12.29	14	0	
15	16QAM	75	0	12.22	12.37	12.24			
15	64QAM	1	0	12.24	12.24	12.30			
15	64QAM	1	37	12.32	12.32	12.11	14	0	
15	64QAM	1	74	12.37	12.29	12.34			
15	64QAM	36	0	12.29	12.44	12.20			
15	64QAM	36	20	12.10	12.18	12.18	14	0	
15	64QAM	36	39	12.14	12.11	12.15			
15	64QAM	75	0	12.09	12.08	12.07			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	12.30	12.44	12.33	14	0	
10	QPSK	1	25	12.36	12.34	12.27			
10	QPSK	1	49	12.28	12.23	12.24			
10	QPSK	25	0	12.23	12.41	12.23	14	0	
10	QPSK	25	12	12.28	12.14	12.27			
10	QPSK	25	25	12.10	12.34	12.17			
10	QPSK	50	0	12.26	12.35	12.20	14	0	
10	16QAM	1	0	12.26	12.32	12.25			
10	16QAM	1	25	12.35	12.21	12.41			
10	16QAM	1	49	12.25	12.17	12.18	14	0	
10	16QAM	25	0	12.20	12.27	12.15			
10	16QAM	25	12	12.22	12.04	12.20			
10	16QAM	25	25	12.11	12.26	12.19	14	0	
10	16QAM	50	0	12.22	12.20	12.24			
10	64QAM	1	0	12.25	12.36	12.23			
10	64QAM	1	25	12.29	12.24	12.34	14	0	
10	64QAM	1	49	12.33	12.38	12.12			
10	64QAM	25	0	12.40	12.21	12.37			
10	64QAM	25	12	12.28	12.47	12.20	14	0	
10	64QAM	25	25	12.17	12.08	12.17			
10	64QAM	50	0	12.09	12.12	12.01			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	12.31	12.43	12.34	14	0	
5	QPSK	1	12	12.36	12.39	12.29			
5	QPSK	1	24	12.27	12.24	12.21			
5	QPSK	12	0	12.24	12.43	12.27	14	0	
5	QPSK	12	7	12.24	12.19	12.24			
5	QPSK	12	13	12.14	12.35	12.11			
5	QPSK	25	0	12.27	12.20	12.16	14	0	
5	16QAM	1	0	12.21	12.22	12.16			
5	16QAM	1	12	12.23	12.07	12.16			
5	16QAM	1	24	12.11	12.26	12.19	14	0	
5	16QAM	12	0	12.23	12.24	12.32			
5	16QAM	12	7	12.26	12.34	12.30			
5	16QAM	12	13	12.28	12.27	12.36	14	0	
5	16QAM	25	0	12.27	12.33	12.13			
5	64QAM	1	0	12.44	12.29	12.34			
5	64QAM	1	12	12.30	12.34	12.19	14	0	
5	64QAM	1	24	12.29	12.34	12.10			
5	64QAM	12	0	12.36	12.22	12.39			
5	64QAM	12	7	12.12	12.24	12.16	14	0	
5	64QAM	12	13	12.14	12.09	12.18			
5	64QAM	25	0	12.04	12.05	12.03			

Band 38 Ant0 DSI 3									
BW [MHz]	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	16.42	16.47	16.33	17.5	0	
20	QPSK	1	49	16.36	16.31	16.46			
20	QPSK	1	99	16.42	16.36	16.38			
20	QPSK	50	0	16.27	16.40	16.28	17.5	0	
20	QPSK	50	24	16.34	16.39	16.29			
20	QPSK	50	50	16.35	16.37	16.23			
20	QPSK	100	0	16.27	16.35	16.29	17.5	0	
20	16QAM	1	0	16.22	16.30	16.17			
20	16QAM	1	49	16.18	16.12	16.33			
20	16QAM	1	99	16.19	16.09	16.13	17.5	0	
20	16QAM	50	0	16.02	16.28	16.04			
20	16QAM	50	24	16.10	16.24	16.10			
20	16QAM	50	50	16.13	16.12	15.98	17.5	0	
20	16QAM	100	0	16.10	16.14	16.09			
20	64QAM	1	0	16.14	16.23	16.10			
20	64QAM	1	49	16.17	16.10	16.31	17.5	0	
20	64QAM	1	99	16.23	16.22	16.08			
20	64QAM	50	0	16.04	16.17	16.02			
20	64QAM	50	24	16.06	16.25	16.10	17.5	0	
20	64QAM	50	50	16.12	16.14	16.11			
20	64QAM	100	0	16.14	16.17	16.15			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	16.24	16.38	16.20	17.5	0	
15	QPSK	1	37	16.34	16.25	16.43			
15	QPSK	1	74	16.37	16.22	16.25			
15	QPSK	36	0	16.13	16.34	16.14	17.5	0	
15	QPSK	36	20	16.26	16.30	16.20			
15	QPSK	36	39	16.28	16.22	16.17			
15	QPSK	75	0	16.24	16.26	16.26	17.5	0	
15	16QAM	1	0	16.09	16.17	16.05			
15	16QAM	1	37	16.16	16.05	16.19			
15	16QAM	1	74	16.10	16.08	16.00	17.5	0	
15	16QAM	36	0	15.89	16.18	15.95			
15	16QAM	36	20	16.07	16.16	16.02			
15	16QAM	36	39	16.10	16.00	15.90	17.5	0	
15	16QAM	75	0	16.04	16.04	15.96			
15	64QAM	1	0	16.01	16.16	16.03			
15	64QAM	1	37	16.02	15.95	16.21	17.5	0	
15	64QAM	1	74	16.21	16.03	16.01			
15	64QAM	36	0	15.86	16.10	15.87			
15	64QAM	36	20	16.01	16.16	15.97	17.5	0	
15	64QAM	36	39	16.06	16.05	16.00			
15	64QAM	75	0	15.97	16.05	16.04			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	16.25	16.40	16.29	17.5	0	
10	QPSK	1	25	16.33	16.26	16.36			
10	QPSK	1	49	16.36	16.22	16.21			
10	QPSK	25	0	16.16	16.30	16.17	17.5	0	
10	QPSK	25	12	16.23	16.34	16.17			
10	QPSK	25	25	16.27	16.20	16.16			
10	QPSK	50	0	16.22	16.25	16.23	17.5	0	
10	16QAM	1	0	16.12	16.17	16.08			
10	16QAM	1	25	16.14	16.10	16.25			
10	16QAM	1	49	16.12	16.04	16.07	17.5	0	
10	16QAM	25	0	15.90	16.16	15.94			
10	16QAM	25	12	16.04	16.09	16.01			
10	16QAM	25	25	16.02	16.02	15.93	17.5	0	
10	16QAM	50	0	15.97	16.03	16.03			
10	64QAM	1	0	16.06	16.10	16.00			
10	64QAM	1	25	16.06	16.01	16.20	17.5	0	
10	64QAM	1	49	16.14	16.03	15.99			
10	64QAM	25	0	15.90	16.12	15.89			
10	64QAM	25	12	15.96	16.10	15.99	17.5	0	
10	64QAM	25	25	16.09	16.06	15.98			
10	64QAM	50	0	15.97	16.04	16.07			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	16.35	16.39	16.35	17.5	0	
5	QPSK	1	12	16.37	16.35	16.39			
5	QPSK	1	24	16.33	16.39	16.31			
5	QPSK	12	0	16.26	16.46	16.22	17.5	0	
5	QPSK	12	7	16.35	16.44	16.29			
5	QPSK	12	13	16.35	16.33	16.21			
5	QPSK	25	0	16.30	16.36	16.28	17.5	0	
5	16QAM	1	0	16.23	16.34	16.15			
5	16QAM	1	12	16.21	16.16	16.36			
5	16QAM	1	24	16.18	16.13	16.15	17.5	0	
5	16QAM	12	0	16.00	16.25	16.04			
5	16QAM	12	7	16.17	16.19	16.04			
5	16QAM	12	13	16.12	16.12	16.00	17.5	0	
5	16QAM	25	0	16.15	16.17	16.10			
5	64QAM	1	0	16.13	16.25	16.09			
5	64QAM	1	12	16.16	16.10	16.31	17.5	0	
5	64QAM	1	24	16.21	16.14	16.12			
5	64QAM	12	0	16.01	16.16	16.03			
5	64QAM	12	7	16.06	16.25	16.05	17.5	0	
5	64QAM	12	13	16.21	16.10	16.17			
5	64QAM	25	0	16.12	16.15	16.18			

Band 41 Ant0 DSI 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	16.38	16.47	16.59	16.45	16.43	17.5	0
20	QPSK	1	49	16.48	16.51	16.44	16.58	16.51		
20	QPSK	1	99	16.31	16.55	16.45	16.45	16.40		
20	QPSK	50	0	16.38	16.33	16.54	16.34	16.39	17.5	0
20	QPSK	50	24	16.37	16.42	16.53	16.41	16.35		
20	QPSK	50	50	16.40	16.50	16.44	16.35	16.47		
20	QPSK	100	0	16.41	16.41	16.42	16.41	16.40	17.5	0
20	16QAM	1	0	16.17	16.28	16.42	16.28	16.24		
20	16QAM	1	49	16.25	16.33	16.26	16.42	16.28		
20	16QAM	1	99	16.10	16.30	16.23	16.24	16.17	17.5	0
20	16QAM	50	0	16.16	16.12	16.38	16.15	16.15		
20	16QAM	50	24	16.13	16.24	16.34	16.19	16.14		
20	16QAM	50	50	16.15	16.25	16.24	16.11	16.25	17.5	0
20	16QAM	100	0	16.24	16.20	16.23	16.20	16.21		
20	64QAM	1	0	16.14	16.26	16.34	16.22	16.25		
20	64QAM	1	49	16.27	16.27	16.19	16.37	16.28	17.5	0
20	64QAM	1	99	16.11	16.36	16.27	16.21	16.20		
20	64QAM	50	0	16.16	16.10	16.30	16.11	16.15		
20	64QAM	50	24	16.21	16.20	16.32	16.20	16.19	17.5	0
20	64QAM	50	50	16.15	16.26	16.24	16.16	16.26		
20	64QAM	100	0	16.21	16.21	16.26	16.26	16.22		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	16.25	16.40	16.49	16.33	16.37	17.50	0
15	QPSK	1	37	16.38	16.42	16.29	16.46	16.39		
15	QPSK	1	74	16.20	16.42	16.33	16.35	16.32		
15	QPSK	36	0	16.26	16.22	16.43	16.28	16.27	17.5	0
15	QPSK	36	20	16.26	16.31	16.40	16.32	16.23		
15	QPSK	36	39	16.30	16.41	16.37	16.23	16.37		
15	QPSK	75	0	16.26	16.31	16.29	16.27	16.25	17.5	0
15	16QAM	1	0	16.05	16.15	16.31	16.20	16.13		
15	16QAM	1	37	16.10	16.23	16.19	16.35	16.18		
15	16QAM	1	74	16.04	16.23	16.14	16.13	16.03	17.5	0
15	16QAM	36	0	16.07	16.02	16.30	16.01	16.07		
15	16QAM	36	20	16.07	16.17	16.23	16.07	16.08		
15	16QAM	36	39	16.06	16.18	16.13	16.02	16.11	17.5	0
15	16QAM	75	0	16.10	16.08	16.11	16.10	16.14		
15	64QAM	1	0	16.03	16.12	16.23	16.16	16.17		
15	64QAM	1	37	16.21	16.17	16.09	16.24	16.19	17.5	0
15	64QAM	1	74	16.01	16.29	16.16	16.08	16.09		
15	64QAM	36	0	16.09	15.95	16.24	15.99	16.08		
15	64QAM	36	20	16.06	16.08	16.23	16.12	16.09	17.5	0
15	64QAM	36	39	16.08	16.17	16.18	16.01	16.12		
15	64QAM	75	0	16.13	16.08	16.14	16.12	16.09		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	16.31	16.37	16.51	16.38	16.28	17.50	0
10	QPSK	1	25	16.36	16.41	16.33	16.44	16.38		
10	QPSK	1	49	16.22	16.47	16.33	16.31	16.33		
10	QPSK	25	0	16.24	16.23	16.49	16.26	16.28	17.5	0
10	QPSK	25	12	16.27	16.29	16.43	16.35	16.30		
10	QPSK	25	25	16.25	16.37	16.30	16.30	16.37		
10	QPSK	50	0	16.29	16.35	16.35	16.34	16.27	17.5	0
10	16QAM	1	0	16.05	16.14	16.36	16.16	16.10		
10	16QAM	1	25	16.13	16.21	16.14	16.37	16.22		
10	16QAM	1	49	16.03	16.19	16.15	16.14	16.08	17.5	0
10	16QAM	25	0	16.04	16.03	16.24	16.02	16.04		
10	16QAM	25	12	16.04	16.15	16.20	16.05	16.07		
10	16QAM	25	25	16.09	16.13	16.10	16.03	16.20	17.5	0
10	16QAM	50	0	16.13	16.08	16.15	16.11	16.08		
10	64QAM	1	0	16.04	16.11	16.25	16.13	16.12		
10	64QAM	1	25	16.19	16.20	16.12	16.23	16.22	17.5	0
10	64QAM	1	49	15.98	16.29	16.17	16.10	16.09		
10	64QAM	25	0	16.04	15.99	16.21	15.99	16.05		
10	64QAM	25	12	16.06	16.14	16.20	16.12	16.05	17.5	0
10	64QAM	25	25	16.10	16.11	16.16	16.07	16.12		
10	64QAM	50	0	16.15	16.14	16.16	16.18	16.14		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	16.25	16.33	16.48	16.31	16.32	17.50	0
5	QPSK	1	12	16.37	16.43	16.33	16.45	16.42		
5	QPSK	1	24	16.19	16.48	16.37	16.33	16.33		
5	QPSK	12	0	16.27	16.28	16.43	16.27	16.34	17.5	0
5	QPSK	12	7	16.28	16.32	16.40	16.32	16.23		
5	QPSK	12	13	16.30	16.39	16.38	16.20	16.37		
5	QPSK	25	0	16.34	16.27	16.29	16.26	16.31	17.5	0
5	16QAM	1	0	16.04	16.15	16.28	16.19	16.12		
5	16QAM	1	12	16.15	16.26	16.16	16.28	16.18		
5	16QAM	1	24	16.04	16.24	16.18	16.12	16.09	17.5	0
5	16QAM	12	0	16.07	16.05	16.31	16.01	16.06		
5	16QAM	12	7	16.04	16.18	16.28	16.04	16.07		
5	16QAM	12	13	16.02	16.10	16.09	16.02	16.15	17.5	0
5	16QAM	25	0	16.10	16.12	16.12	16.06	16.13		
5	64QAM	1	0	16.04	16.17	16.29	16.10	16.11		
5	64QAM	1	12	16.15	16.16	16.07	16.29	16.17	17.5	0
5	64QAM	1	24	16.01	16.25	16.15	16.08	16.07		
5	64QAM	12	0	16.06	16.01	16.22	16.04	16.08		
5	64QAM	12	7	16.16	16.12	16.23	16.11	16.09	17.5	0
5	64QAM	12	13	16.08	16.19	16.18	16.03	16.12		
5	64QAM	25	0	16.09	16.07	16.13	16.15	16.15		

Band 2 Ant4 NSA DS14												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				1860	1880	1900						
20	QPSK	1	0	18.95	19.02	18.86	20.5	0				
20	QPSK	1	49	18.92	18.96	18.92						
20	QPSK	1	99	18.90	18.95	18.90						
20	QPSK	50	0	19.00	19.03	18.88						
20	QPSK	50	24	18.85	19.00	18.98						
20	QPSK	50	50	18.79	18.89	18.86	20.5	0				
20	QPSK	100	0	18.83	18.90	18.90						
20	16QAM	1	0	18.95	18.90	18.82						
20	16QAM	1	49	18.90	18.91	18.91						
20	16QAM	1	99	19.02	19.03	18.95						
20	16QAM	50	0	18.75	18.86	18.86	20.5	0				
20	16QAM	50	24	18.74	18.62	18.62						
20	16QAM	50	50	18.70	18.68	18.70						
20	16QAM	100	0	18.71	18.87	18.73						
20	64QAM	1	0	18.72	18.98	18.89						
20	64QAM	1	49	18.83	18.79	18.74	20.5	0				
20	64QAM	1	99	18.83	18.96	18.83						
20	64QAM	50	0	18.55	18.54	18.57						
20	64QAM	50	24	18.59	18.50	18.59						
20	64QAM	50	50	18.52	18.56	18.61						
20	64QAM	100	0	18.65	18.66	18.60	20.5	0				
Channel												
Frequency (MHz)				1867.5	1890.0	1912.5				Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	18.86	18.86	18.83	20.5	0				
15	QPSK	1	37	18.78	18.88	18.88						
15	QPSK	1	74	18.86	18.86	18.85						
15	QPSK	36	0	18.85	18.83	18.89						
15	QPSK	36	20	18.79	18.87	18.95						
15	QPSK	36	39	18.68	18.76	18.78	20.5	0				
15	QPSK	75	0	18.77	18.81	18.82						
15	16QAM	1	0	18.91	18.88	18.88						
15	16QAM	1	37	18.78	18.85	18.84						
15	16QAM	1	74	18.90	18.94	18.78						
15	16QAM	36	0	18.66	18.59	18.52	20.5	0				
15	16QAM	36	20	18.57	18.52	18.64						
15	16QAM	36	39	18.61	18.66	18.56						
15	16QAM	75	0	18.57	18.84	18.56						
15	64QAM	1	0	18.67	18.82	18.86						
15	64QAM	1	37	18.71	18.61	18.57	20.5	0				
15	64QAM	1	74	18.74	18.94	18.74						
15	64QAM	36	0	18.64	18.71	18.61						
15	64QAM	36	20	18.55	18.59	18.55						
15	64QAM	36	39	18.57	18.61	18.57						
15	64QAM	75	0	18.50	18.52	18.54	20.5	0				
Channel												
Frequency (MHz)				1865.0	1890.0	1915.0				Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	18.85	18.98	18.87	20.5	0				
10	QPSK	1	25	18.75	18.85	18.86						
10	QPSK	1	49	18.72	18.90	18.82						
10	QPSK	25	0	18.98	18.87	18.75						
10	QPSK	25	12	18.69	18.87	18.92						
10	QPSK	25	25	18.74	18.77	18.83	20.5	0				
10	QPSK	50	0	18.81	18.88	18.76						
10	16QAM	1	0	18.83	18.87	18.78						
10	16QAM	1	25	18.73	18.78	18.75						
10	16QAM	1	49	18.95	18.97	18.76						
10	16QAM	25	0	18.63	18.78	18.63	20.5	0				
10	16QAM	25	12	18.67	18.69	18.56						
10	16QAM	25	25	18.67	18.55	18.62						
10	16QAM	50	0	18.67	18.84	18.56						
10	64QAM	1	0	18.66	18.81	18.75						
10	64QAM	1	25	18.82	18.64	18.57	20.5	0				
10	64QAM	1	49	18.71	18.85	18.73						
10	64QAM	25	0	18.51	18.67	18.52						
10	64QAM	25	12	18.51	18.69	18.50						
10	64QAM	25	25	18.55	18.70	18.51						
10	64QAM	50	0	18.56	18.53	18.55	20.5	0				
Channel												
Frequency (MHz)				1862.5	1890.0	1917.5				Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	18.84	18.86	18.70	20.5	0				
5	QPSK	1	12	18.75	18.86	18.87						
5	QPSK	1	24	18.86	18.84	18.88						
5	QPSK	12	0	18.93	18.92	18.82						
5	QPSK	12	7	18.68	18.86	18.83						
5	QPSK	12	13	18.65	18.82	18.73	20.5	0				
5	QPSK	25	0	18.72	18.79	18.87						
5	16QAM	1	0	18.80	18.77	18.70						
5	16QAM	1	12	18.86	18.74	18.86						
5	16QAM	1	24	18.89	18.94	18.77						
5	16QAM	12	0	18.59	18.55	18.58	20.5	0				
5	16QAM	12	7	18.61	18.54	18.56						
5	16QAM	12	13	18.57	18.65	18.62						
5	16QAM	25	0	18.63	18.82	18.58						
5	64QAM	1	0	18.66	18.93	18.71						
5	64QAM	1	12	18.68	18.65	18.66	20.5	0				
5	64QAM	1	24	18.72	18.79	18.81						
5	64QAM	12	0	18.67	18.71	18.50						
5	64QAM	12	7	18.62	18.72	18.55						
5	64QAM	12	13	18.51	18.54	18.55						
5	64QAM	25	0	18.59	18.54	18.52	20.5	0				
Channel												
Frequency (MHz)				1861.5	1880	1908.5				Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	18.81	18.91	18.78	20.5	0				
3	QPSK	1	8	18.77	18.82	18.81						
3	QPSK	1	14	18.86	18.86	18.84						
3	QPSK	8	0	18.93	18.98	18.83						
3	QPSK	8	4	18.70	18.93	18.93						
3	QPSK	8	7	18.64	18.83	18.75	20.5	0				
3	QPSK	15	0	18.65	18.84	18.89						
3	16QAM	1	0	18.88	18.73	18.80						
3	16QAM	1	8	18.85	18.83	18.82						
3	16QAM	1	14	18.89	18.99	18.87						
3	16QAM	8	0	18.72	18.51	18.60	20.5	0				
3	16QAM	8	4	18.69	18.56	18.55						
3	16QAM	8	7	18.56	18.59	18.54						
3	16QAM	15	0	18.69	18.73	18.57						
3	64QAM	1	0	18.59	18.85	18.82						
3	64QAM	1	8	18.66	18.74	18.69	20.5	0				
3	64QAM	1	14	18.65	18.90	18.76						
3	64QAM	8	0	18.57	18.50	18.51						
3	64QAM	8	4	18.60	18.51	18.50						
3	64QAM	8	7	18.60	18.54	18.64						
3	64QAM	15	0	18.60	18.63	18.74	20.5	0				
Channel												
Frequency (MHz)				1860.7	1890.0	1919.3				Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	18.76	18.85	18.85	20.5	0				
1.4	QPSK	1	3	18.75	18.82	18.90						
1.4	QPSK	1	5	18.80	18.78	18.73						
1.4	QPSK	3	1	18.81	18.86	18.83						
1.4	QPSK	3	3	18.75	18.77	18.85						
1.4	QPSK	6	0	18.81	18.84	18.74	20.5	0				
1.4	16QAM	1	0	18.91	18.85	18.70						
1.4	16QAM	1	3	18.75	18.76	18.86						
1.4	16QAM	1	5	18.92	18.95	18.92						
1.4	16QAM	3	0	18.59	18.50	18.60						
1.4	16QAM	3	1	18.65	18.56	18.60	20.5	0				
1.4	16QAM	3	3	18.56	18.57	18.55						
1.4	16QAM	6	0	18.61	18.70	18.56						
1.4	16QAM	1	0	18.54	18.92	18.71						
1.4	64QAM	1	3	18.71	18.68	18.59	20.5	0				
1.4	64QAM	1	5	18.77	18.65	18.69						
1.4	64QAM	3	0	18.57	18.55	18.64						
1.4	64QAM	3	1	18.56	18.59	18.52						
1.4	64QAM	6	0	18.60	18.79	18.67						

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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				37850	38000	38150	21.5	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.10	20.29	19.84		
20	QPSK	1	49	20.00	19.98	20.17	21.5	0
20	QPSK	1	99	20.17	20.12	20.19		
20	QPSK	50	0	19.86	20.23	19.79		
20	QPSK	50	24	20.09	20.25	20.04	21.5	0
20	QPSK	50	50	19.89	20.20	20.10		
20	QPSK	100	0	19.84	20.13	19.97		
20	16QAM	1	0	20.04	20.16	19.86	21.5	0
20	16QAM	1	49	20.02	19.98	20.14		
20	16QAM	1	99	20.12	19.85	19.90		
20	16QAM	50	0	20.19	20.02	20.13	21.5	0
20	16QAM	50	24	19.86	19.95	20.07		
20	16QAM	50	50	20.05	20.02	19.76		
20	16QAM	100	0	20.09	20.26	20.00	21.5	0
20	64QAM	1	0	19.98	20.14	20.02		
20	64QAM	1	49	19.90	20.07	20.04		
20	64QAM	1	99	20.10	20.06	20.14	21.5	0
20	64QAM	50	0	20.01	20.20	19.97		
20	64QAM	50	24	19.99	19.95	20.03		
20	64QAM	50	50	20.12	20.22	20.03	21.5	0
20	64QAM	100	0	20.18	19.87	20.15		
Channel				37825	38000	38175	21.5	0
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	20.15	20.27	19.83		
15	QPSK	1	37	19.94	20.01	20.15	21.5	0
15	QPSK	1	74	20.17	20.15	20.12		
15	QPSK	36	0	19.80	20.22	19.89	21.5	0
15	QPSK	36	20	20.16	20.19	20.01		
15	QPSK	36	39	20.01	20.21	20.02		
15	QPSK	75	0	19.77	20.14	19.93	21.5	0
15	16QAM	1	0	20.02	20.20	19.91		
15	16QAM	1	37	19.92	19.98	20.13		
15	16QAM	1	74	20.11	19.94	19.81	21.5	0
15	16QAM	36	0	20.23	19.97	20.08		
15	16QAM	36	20	19.87	19.93	19.96		
15	16QAM	36	39	20.08	20.00	19.86	21.5	0
15	16QAM	75	0	20.08	20.20	19.89		
15	64QAM	1	0	20.09	20.16	20.09		
15	64QAM	1	37	19.90	20.03	20.04	21.5	0
15	64QAM	1	74	20.02	20.14	20.12		
15	64QAM	36	0	20.12	20.28	20.01		
15	64QAM	36	20	19.95	19.92	20.10	21.5	0
15	64QAM	36	39	20.11	20.21	19.95		
15	64QAM	75	0	20.11	19.96	20.17		
Channel				37800	38000	38200	21.5	0
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	20.13	20.29	19.82		
10	QPSK	1	25	19.96	19.97	20.23	21.5	0
10	QPSK	1	49	20.17	20.19	20.15		
10	QPSK	25	0	19.84	20.23	19.79	21.5	0
10	QPSK	25	12	20.09	20.13	20.08		
10	QPSK	25	25	19.91	20.15	20.09		
10	QPSK	50	0	19.84	20.19	19.84	21.5	0
10	16QAM	1	0	20.09	20.10	19.92		
10	16QAM	1	25	19.99	19.99	20.12		
10	16QAM	1	49	20.10	19.92	19.86	21.5	0
10	16QAM	25	0	20.11	20.01	20.01		
10	16QAM	25	12	19.90	19.90	19.99		
10	16QAM	25	25	20.12	20.08	19.87	21.5	0
10	16QAM	50	0	20.05	20.22	19.96		
10	64QAM	1	0	20.00	20.05	20.04		
10	64QAM	1	25	19.97	20.07	20.00	21.5	0
10	64QAM	1	49	20.01	20.17	20.14		
10	64QAM	25	0	20.13	20.21	20.06		
10	64QAM	25	12	19.96	19.87	20.00	21.5	0
10	64QAM	25	25	19.99	20.17	19.96		
10	64QAM	50	0	20.18	19.96	20.15		
Channel				37775	38000	38225	21.5	0
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	20.09	20.33	19.89		
5	QPSK	1	12	19.96	19.99	20.23	21.5	0
5	QPSK	1	24	20.13	20.17	20.22		
5	QPSK	12	0	19.87	20.16	19.85	21.5	0
5	QPSK	12	7	20.05	20.14	20.08		
5	QPSK	12	13	19.88	20.22	20.04		
5	QPSK	25	0	19.78	20.21	19.90	21.5	0
5	16QAM	1	0	20.04	20.17	19.78		
5	16QAM	1	12	20.05	20.05	20.16		
5	16QAM	1	24	20.07	19.91	19.92	21.5	0
5	16QAM	12	0	20.11	20.00	20.11		
5	16QAM	12	7	19.98	19.86	19.97		
5	16QAM	12	13	20.14	20.08	19.85	21.5	0
5	16QAM	25	0	19.99	20.27	19.94		
5	64QAM	1	0	20.05	20.10	20.03		
5	64QAM	1	12	19.87	20.12	19.97	21.5	0
5	64QAM	1	24	19.96	20.14	20.17		
5	64QAM	12	0	20.11	20.28	20.05		
5	64QAM	12	7	19.96	19.91	19.99	21.5	0
5	64QAM	12	13	19.99	20.20	20.05		
5	64QAM	25	0	20.20	19.93	20.05		

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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	20.14	20.17	20.34	19.86	20.00		
20	QPSK	1	49	19.90	19.96	19.97	20.19	20.04	21.5	0
20	QPSK	1	99	19.96	20.18	20.21	20.19	20.20		
20	QPSK	50	0	20.10	19.85	20.26	19.86	19.88		
20	QPSK	50	24	19.92	20.13	20.21	20.06	20.07	21.5	0
20	QPSK	50	50	20.01	19.98	20.22	20.09	20.25		
20	QPSK	100	0	20.05	19.81	20.18	19.94	20.05		
20	16QAM	1	0	19.88	20.09	20.18	19.88	19.92	21.5	0
20	16QAM	1	49	20.07	20.02	20.04	20.12	19.88		
20	16QAM	1	99	20.01	20.10	19.92	19.91	19.97		
20	16QAM	50	0	19.92	20.19	20.00	20.09	20.12	21.5	0
20	16QAM	50	24	20.06	19.95	19.92	20.03	19.92		
20	16QAM	50	50	20.10	20.14	20.06	19.83	20.19		
20	16QAM	100	0	19.82	20.06	20.23	19.95	19.96	21.5	0
20	64QAM	1	0	20.18	20.07	20.14	20.08	20.15		
20	64QAM	1	49	19.99	19.96	20.09	20.00	19.98		
20	64QAM	1	99	19.94	20.05	20.16	20.20	20.06	21.5	0
20	64QAM	50	0	20.14	20.10	20.24	20.06	20.18		
20	64QAM	50	24	20.13	20.01	19.92	20.08	20.12		
20	64QAM	50	50	19.98	20.07	20.20	20.02	20.14	21.5	0
20	64QAM	100	0	20.04	20.16	19.94	20.13	19.99		
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	19.92	20.09	20.13	19.76	19.99	21.50	0
15	QPSK	1	37	19.70	19.84	19.88	20.18	19.84		
15	QPSK	1	74	19.83	20.15	20.07	20.13	20.03		
15	QPSK	36	0	20.11	19.73	20.12	19.71	19.77	21.5	0
15	QPSK	36	20	19.76	20.04	20.18	19.96	20.05		
15	QPSK	36	39	19.99	19.80	20.05	19.92	20.13		
15	QPSK	75	0	19.91	19.66	20.16	19.85	19.92	21.5	0
15	16QAM	1	0	20.25	19.99	19.92	20.01	20.06		
15	16QAM	1	37	19.93	19.99	20.11	19.92	20.08		
15	16QAM	1	74	19.93	20.12	20.16	20.15	20.11	21.5	0
15	16QAM	36	0	19.90	20.20	19.96	19.92	20.08		
15	16QAM	36	20	20.02	19.77	19.78	20.00	19.82		
15	16QAM	36	39	20.09	19.92	19.85	19.73	20.18	21.5	0
15	16QAM	75	0	19.68	20.03	20.15	19.78	19.90		
15	64QAM	1	0	20.07	20.00	19.98	19.89	19.96		
15	64QAM	1	37	19.89	19.76	19.94	19.96	19.77	21.5	0
15	64QAM	1	74	19.88	19.87	20.08	20.00	19.94		
15	64QAM	36	0	20.10	20.09	20.12	20.04	20.10		
15	64QAM	36	20	20.15	20.03	19.77	20.24	20.09	21.5	0
15	64QAM	36	39	19.81	19.95	20.16	19.92	20.12		
15	64QAM	75	0	20.04	20.17	20.24	20.18	20.01		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.07	20.14	20.19	19.77	19.83	21.50	0
10	QPSK	1	25	19.72	19.89	19.77	20.09	19.93		
10	QPSK	1	49	19.87	20.08	20.21	20.00	20.03		
10	QPSK	25	0	20.05	19.76	20.08	19.93	19.83	21.5	0
10	QPSK	25	12	19.72	20.05	20.22	19.90	19.91		
10	QPSK	25	25	19.83	19.99	20.19	19.97	20.06		
10	QPSK	50	0	20.06	19.64	20.05	19.59	19.93	21.5	0
10	16QAM	1	0	19.77	19.91	20.18	19.86	19.83		
10	16QAM	1	25	19.87	19.94	19.99	20.00	19.71		
10	16QAM	1	49	19.97	19.94	19.81	19.70	19.86	21.5	0
10	16QAM	25	0	19.93	19.98	19.91	20.05	19.91		
10	16QAM	25	12	19.95	19.85	19.79	19.96	19.70		
10	16QAM	25	25	19.99	20.09	20.01	19.77	20.18	21.5	0
10	16QAM	50	0	19.67	19.92	20.03	19.85	19.75		
10	64QAM	1	0	20.05	19.96	20.08	20.08	20.09		
10	64QAM	1	25	19.99	19.85	20.13	19.92	19.82	21.5	0
10	64QAM	1	49	19.81	20.04	19.94	20.14	19.87		
10	64QAM	25	0	19.96	20.08	20.06	20.01	20.16		
10	64QAM	25	12	20.10	19.92	19.83	20.19	19.93	21.5	0
10	64QAM	25	25	19.88	20.02	19.99	19.89	20.00		
10	64QAM	50	0	19.97	20.11	20.08	20.17	20.11		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.15	20.10	20.11	19.70	19.97	21.50	0
5	QPSK	1	12	19.91	19.93	19.79	20.00	20.01		
5	QPSK	1	24	19.77	20.15	20.13	20.02	20.05		
5	QPSK	12	0	20.01	19.82	20.05	19.72	19.79	21.5	0
5	QPSK	12	7	19.78	20.09	20.11	20.03	19.92		
5	QPSK	12	13	19.87	19.90	20.12	20.03	20.22		
5	QPSK	25	0	20.05	19.63	20.00	19.71	19.93	21.5	0
5	16QAM	1	0	19.77	20.04	19.99	19.76	19.86		
5	16QAM	1	12	20.04	19.87	19.91	20.02	19.89		
5	16QAM	1	24	19.88	19.90	19.76	19.82	19.96	21.5	0
5	16QAM	12	0	19.81	20.20	19.89	20.03	20.11		
5	16QAM	12	7	19.90	19.86	19.90	19.85	19.82		
5	16QAM	12	13	20.04	19.96	19.86	19.84	20.22	21.5	0
5	16QAM	25	0	19.69	19.88	20.13	19.78	19.97		
5	64QAM	1	0	20.14	20.06	20.06	19.88	20.08		
5	64QAM	1	12	19.78	19.83	20.07	19.89	19.89	21.5	0
5	64QAM	1	24	19.95	19.86	20.06	20.16	20.04		
5	64QAM	12	0	20.07	20.09	20.14	20.05	20.08		
5	64QAM	12	7	20.12	19.96	19.90	20.17	19.97	21.5	0
5	64QAM	12	13	19.78	20.04	20.01	19.83	20.01		
5	64QAM	25	0	19.89	20.18	19.94	20.25	20.15		

Uplink CA Power

Ant 0 Full Power			DSI1								
CA_7C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	2	0	23.98	25.50	
21100	21298	QPSK	1	99	1	0	2	0	24.04	25.50	
21350	21152	QPSK	1	0	1	99	2	0	23.92	25.50	
20850	21048	QPSK	1	49	50	0	2	0	22.69	24.50	
21100	21298	QPSK	1	49	50	0	2	0	22.81	24.50	
21350	21152	QPSK	50	0	1	49	2	0	22.79	24.50	

Ant 0 Full Power			DSI1&2								
CA_38C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Leve	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	2	0	24.33	25.50	
37901	38099	QPSK	1	99	1	0	2	0	24.42	25.50	
38150	37952	QPSK	1	0	1	99	2	0	24.27	25.50	
37850	38048	QPSK	1	49	50	0	2	0	23.21	24.50	
37901	38099	QPSK	1	49	50	0	2	0	23.33	24.50	
38150	37952	QPSK	50	0	1	49	2	0	23.27	24.50	

Ant 2 Full Power			DS11&2								
CA_7C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	2	0	22.84	24.50	
21100	21298	QPSK	1	99	1	0	2	0	22.92	24.50	
21350	21152	QPSK	1	0	1	99	2	0	22.79	24.50	
20850	21048	QPSK	1	49	50	0	2	0	21.88	23.50	
21100	21298	QPSK	1	49	50	0	2	0	21.95	23.50	
21350	21152	QPSK	50	0	1	49	2	0	21.78	23.50	

Ant 2 Full Power			DS1&2								
CA_38C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Leve	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	2	0	24.22	25.50	
37901	38099	QPSK	1	99	1	0	2	0	24.36	25.50	
38150	37952	QPSK	1	0	1	99	2	0	24.19	25.50	
37850	38048	QPSK	1	49	50	0	2	0	23.22	24.50	
37901	38099	QPSK	1	49	50	0	2	0	23.32	24.50	
38150	37952	QPSK	50	0	1	49	2	0	23.26	24.50	

Ant 4 Full Power			DSI2								
CA_7C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	2	0	22.86	24.50	
21100	21298	QPSK	1	99	1	0	2	0	22.9	24.50	
21350	21152	QPSK	1	0	1	99	2	0	22.82	24.50	
20850	21048	QPSK	1	49	50	0	2	0	21.85	23.50	
21100	21298	QPSK	1	49	50	0	2	0	21.86	23.50	
21350	21152	QPSK	50	0	1	49	2	0	21.72	23.50	

Ant 4 Full Power			DSI2								
CA_38C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Sizet	MPR Leve	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	2	0	24.12	25.50	
37901	38099	QPSK	1	99	1	0	2	0	24.14	25.50	
38150	37952	QPSK	1	0	1	99	2	0	24.09	25.50	
37850	38048	QPSK	1	49	50	0	2	0	23.10	24.50	
37901	38099	QPSK	1	49	50	0	2	0	23.13	24.50	
38150	37952	QPSK	50	0	1	49	2	0	23.03	24.50	

Ant 4 Down Power			DSI1								
CA_7C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	2	0	15.72	17.50	
21100	21298	QPSK	1	99	1	0	2	0	15.91	17.50	
21350	21152	QPSK	1	0	1	99	2	0	15.86	17.50	
20850	21048	QPSK	1	49	50	0	2	0	15.67	17.50	
21100	21298	QPSK	1	49	50	0	2	0	15.82	17.50	
21350	21152	QPSK	50	0	1	49	2	0	15.69	17.50	

Ant 4 Down Power			DSI1									
CA 38C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Leve	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
37850	38048	QPSK	1	99	1	0	2	0	21.13	22.50		
37901	38099	QPSK	1	99	1	0	2	0	21.22	22.50		
38150	37952	QPSK	1	0	1	99	2	0	21.08	22.50		
37850	38048	QPSK	1	49	50	0	2	0	20.96	22.50		
37901	38099	QPSK	1	49	50	0	2	0	21.13	22.50		
38150	37952	QPSK	50	0	1	49	2	0	21.04	22.50		

Ant 0 Down Power			DSI2								
CA_7C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	2	0	20.09	21.50	
21100	21298	QPSK	1	99	1	0	2	0	20.14	21.50	
21350	21152	QPSK	1	0	1	99	2	0	20.02	21.50	
20850	21048	QPSK	1	49	50	0	2	0	20.04	21.50	
21100	21298	QPSK	1	49	50	0	2	0	20.19	21.50	
21350	21152	QPSK	50	0	1	49	2	0	20.10	21.50	

Ant 0 Down Power			DSI3									
CA_38C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Leve	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
37850	38048	QPSK	1	99	1	0	2	0	19.36	20.50		
37901	38099	QPSK	1	99	1	0	2	0	19.41	20.50		
38150	37952	QPSK	1	0	1	99	2	0	19.39	20.50		
37850	38048	QPSK	1	49	50	0	2	0	19.32	20.50		
37901	38099	QPSK	1	49	50	0	2	0	19.33	20.50		
38150	37952	QPSK	50	0	1	49	2	0	19.25	20.50		

Downlink CA Power

2CA DL

Configure	PCC									DL Antenna Configuration	SCC				DL Antenna Configuration	Power	
	LTE	Ant	BW	UL	UL	Mod.	UL#	UL	LTE		BW	DL	DL	Tx Power (dBm)		Without CA Tx Power (dBm)	
	Band		(MHz)	Freq (MHz)	Channel		RB	Offset	Band		(MHz)	Freq (MHz)	Channel				
CA_2C	Band 2	1	20M	1880	18900	QPSK	1	0	Band 2	20M	1899.8	19098		22.36	22.42		
CA_7C	Band 2	4	20M	1880	18900	QPSK	1	0	Band 2	20M	1899.8	19098		24.25	24.36		
	Band 7	0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2674.8	3298	4xMIMO	23.99	24.12	
	Band 7	2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2674.8	3298	4xMIMO	23.09	23.13	
	Band 7	4	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2674.8	3298	4xMIMO	23.11	23.19	
CA_38C	Band 38	0	20M	2595	37901	QPSK	1	0	4xMIMO	Band 38	20M	2614.8	38099	4xMIMO	24.51	24.55	
	Band 38	2	20M	2595	37901	QPSK	1	0	4xMIMO	Band 38	20M	2614.8	38099	4xMIMO	24.54	24.57	
	Band 38	4	20M	2595	37901	QPSK	1	0	4xMIMO	Band 38	20M	2614.8	38099	4xMIMO	24.23	24.30	
	Band 41	0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	24.57	24.68	
CA_41C	Band 41	2	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	24.59	24.68	
	Band 41	4	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	20M	2612.8	40818	4xMIMO	24.21	24.32	
	Band 2	1	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		22.38	22.42	
	Band 2	4	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175		24.28	24.36	
CA_2A-4A	Band 4	1	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900		24.33	24.43	
	Band 4	2	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900		23.30	23.33	
	Band 4	4	20M	1732.5	20175	QPSK	1	0		Band 2	20M	1960	900		23.42	23.53	
	Band 2	1	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		22.29	22.42	
CA_2A-5A	Band 2	4	20M	1880	18900	QPSK	1	0		Band 5	10M	881.5	2525		24.34	24.36	
	Band 5	0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		24.19	24.32	
	Band 5	4	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900		23.81	23.15	
	Band 2	1	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.28	22.42	
CA_2A-7A	Band 2	4	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.23	24.36	
	Band 7	0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900		24.01	24.12	
	Band 7	2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900		23.06	23.13	
	Band 7	4	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900		23.81	23.19	
CA_2A-66A	Band 2	1	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	22.34	22.42	
	Band 2	4	20M	1880	18900	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	24.16	24.36	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900		24.47	24.52	
	Band 66	2	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900		23.41	23.58	
CA_4A-5A	Band 66	4	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900		22.34	22.54	
	Band 4	1	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		24.39	24.43	
	Band 4	2	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		23.24	23.33	
	Band 4	4	20M	1732.5	20175	QPSK	1	0		Band 5	10M	881.5	2525		23.31	23.53	
CA_4A-7A	Band 7	0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175		24.01	24.12	
	Band 7	2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175		23.10	23.13	
	Band 7	4	20M	2535	21100	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175		23.04	23.19	
	Band 5	0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	24.22	24.32	
CA_5A-7A	Band 5	4	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	23.87	23.15	
	Band 7	0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.96	23.13	
	Band 7	2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		23.87	23.19	
	Band 7	4	20M	2535	21100	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		24.31	24.32	
CA_5A-66A	Band 5	0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	23.11	23.15	
	Band 5	4	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	24.49	24.52	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		23.52	23.58	
	Band 66	4	20M	1745	132322	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.46	22.54	
CA_7A-7A	Band 7	0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	24.03	24.12	
	Band 7	2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	23.04	23.13	
	Band 7	4	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	23.01	23.19	
	Band 7	0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	23.99	24.12	
CA_7A-66A	Band 7	2	20M	2535	21100	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	23.09	23.13	
	Band 7	4	20M	2535	21100	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	23.04	23.19	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	24.50	24.52	
	Band 66	2	20M	1745	132322	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	23.51	23.58	
CA_12A-66A	Band 66	4	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	24.17	24.26	
	Band 12	0	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4xMIMO	24.30	24.34	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 12	10M	737.5	5095		24.39	24.52	
	Band 66	2	20M	1745	132322	QPSK	1	0	4xMIMO	Band 12	10M	737.5	5095		23.50	23.58	
CA_66A-66A	Band 66	4	20M	1745	132322	QPSK	1	0	4xMIMO	Band 12	10M	737.5	5095		22.51	22.54	
	Band 66	1	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	24.47	24.52	
	Band 66	2	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	23.42	23.58	
	Band 66	4	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	22.47	22.54	
CA_41A-41A	Band 41	0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	24.59	24.68	
	Band 41	2	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	24.57	24.68	
	Band 41	4	20M	2593	40620	QPSK	1	0	4xMIMO	Band 41	5M	2687.5	41565	4xMIMO	24.18	24.32	
	Band 5	An0	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	24.28	24.32	
CA_5A_41A	Band 5	An4	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	23.81	23.15	
	Band 41	An0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		24.61	24.68	
	Band 41	An4	20M	2593	40620	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		24.25	24.32	
	Band 7	An0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		24.03	24.12	
CA_7A-26A	Band 7	An4	20M	2535	21100	QPSK	1	0	4xMIMO	Band 26	15M	876.5	8865		23.88	23.19	
	Band 26	An0	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	24.53	24.60	
	Band 26	An4	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	23.21	23.25	
	Band 66	1	15M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2164.3	66979	4xMIMO	24.41	24.50	
CA_66B	Band 66	2	15M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2164.3	66979	4xMIMO	23.37	23.54	
	Band 66	4	15M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2164.3	66979	4xMIMO	22.83	22.15	
	Band 66	An0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	24.46	24.52	
	Band 66	An4	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	22.53	22.54	
CA_66C	Band 66	An0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	24.42	24.52	
	Band 66	An4	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	20M	2174.8	67084	4xMIMO	22.51	22.54	
	Band 26	An0	15M	831.5	26865	QPSK	1	0	4xMIMO	Band 41	20M	2593	40620	4xMIMO	24.53	24.60	
	Band 26	An4	15M	831.5	26865												

Full Power level/Default Power level for 5G NR
For DFT-15

n5_SA&NSA Ant0 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.35	24.30	24.25		
20	PI/2 BPSK	1	53	24.33	24.38	24.36	25.5	0.0
20	PI/2 BPSK	1	104	24.32	24.27	24.24		
20	PI/2 BPSK	50	0	23.96	23.96	24.03		
20	PI/2 BPSK	50	28	24.44	24.43	24.42	25.5	0.0
20	PI/2 BPSK	50	56	23.90	23.84	23.81	25.0	0.5
20	PI/2 BPSK	100	0	23.90	23.94	23.89		
20	QPSK	1	1	24.33	24.48	24.44		
20	QPSK	1	53	24.38	24.35	24.34	25.5	0.0
20	QPSK	1	104	24.27	24.23	24.24		
20	QPSK	50	0	23.53	23.49	23.49		
20	QPSK	50	28	24.30	24.34	24.28	24.5	1.0
20	QPSK	50	56	23.39	23.34	23.36	25.5	0.0
20	QPSK	100	0	23.47	23.54	23.41	24.5	1.0
20	16QAM	1	1	23.07	23.04	23.07	24.5	1.0
20	64QAM	1	1	21.60	21.57	21.62	23.0	2.5
20	256QAM	1	1	20.16	20.18	20.15	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0
15	QPSK	1	1	24.27	24.31	24.29		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	25.5	0.0
10	QPSK	1	1	24.17	24.16	24.22		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	25.5	0.0
5	QPSK	1	1	24.24	24.23	24.22		

n7_SA&NSA Ant0 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	24.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.48	23.49	23.56		
20	PI/2 BPSK	1	53	23.58	23.60	23.46	24.0	0.5
20	PI/2 BPSK	1	104	23.46	23.46	23.50		
20	PI/2 BPSK	50	0	23.12	23.13	23.12		
20	PI/2 BPSK	50	28	23.61	23.54	23.50	24.5	0.0
20	PI/2 BPSK	50	56	23.00	22.93	22.90	24.0	0.5
20	PI/2 BPSK	100	0	23.03	23.06	23.13		
20	QPSK	1	1	23.59	23.63	23.54		
20	QPSK	1	53	23.62	23.56	23.58	24.5	0.0
20	QPSK	1	104	23.45	23.42	23.41		
20	QPSK	50	0	22.59	22.57	22.57		
20	QPSK	50	28	23.43	23.52	23.49	24.5	0.0
20	QPSK	50	56	22.51	22.49	22.50	23.5	1.0
20	QPSK	100	0	22.54	22.59	22.50		
20	16QAM	1	1	22.28	22.28	22.31		
20	64QAM	1	1	20.82	20.77	20.80	22.0	2.5
20	256QAM	1	1	19.29	19.31	19.37	20.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0
15	QPSK	1	1	23.58	23.53	23.51		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	24.5	0.0
10	QPSK	1	1	23.30	23.34	23.35		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24.5	0.0
5	QPSK	1	1	23.57	23.56	23.63		



n38_SA&NSA Ant0 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	518000	518998		
Frequency (MHz)				2580.00	2595	2599.98		
40	PI2 BPSK	1	1	23.80	23.84	23.83		
40	PI2 BPSK	1	53	23.86	23.81	23.76	25.5	0.0
40	PI2 BPSK	1	104	23.95	23.91	23.85		
40	PI2 BPSK	50	0	23.34	23.38	23.40	25.0	0.5
40	PI2 BPSK	50	28	24.07	24.01	24.05	25.5	0.0
40	PI2 BPSK	50	58	24.09	24.07	24.07		
40	PI2 BPSK	100	0	23.58	23.56	23.55	25.0	0.5
40	QPSK	1	1	23.87	24.11	23.90		
40	QPSK	1	53	23.76	23.74	23.80	25.5	0.0
40	QPSK	1	104	23.98	23.95	23.92		
40	QPSK	50	0	22.83	22.81	22.88	24.5	1.0
40	QPSK	50	28	23.90	24.06	23.84	25.5	0.0
40	QPSK	50	58	23.90	23.93	23.88		
40	QPSK	100	0	22.92	22.94	22.86	24.5	1.0
40	16QAM	1	1	22.21	22.22	22.18	24.5	1.0
40	64QAM	1	1	20.86	20.86	20.74	23.0	2.5
40	256QAM	1	1	19.20	19.24	19.27	21.0	4.5
Channel				518000	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.84	23.88	23.87	25.5	0.0
Channel				518200	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.92	23.91	23.97	25.5	0.0
Channel				518004	518000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2583.02	2595	2614.08		
10	QPSK	1	1	23.94	23.93	23.73	25.5	0.0
Channel				518000	518000	523000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
5	QPSK	1	1	23.94	24.03	24.00	25.5	0.0

n41_SA&NSA Ant0 PC3 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				540204	518598	535998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI2 BPSK	1	1	21.95	21.99	21.98		
50	PI2 BPSK	1	135	22.30	22.33	22.37	24.0	0.0
50	PI2 BPSK	1	268	22.03	22.01	22.05		
50	PI2 BPSK	135	0	22.37	22.36	22.35	23.5	0.5
50	PI2 BPSK	135	68	22.41	22.37	22.35	24.0	0.0
50	PI2 BPSK	135	135	22.32	22.29	22.31		
50	PI2 BPSK	270	0	22.37	22.34	22.35	23.5	0.5
50	QPSK	1	1	22.15	22.43	22.41		
50	QPSK	1	135	22.23	22.36	22.35	24.0	0.0
50	QPSK	1	268	22.03	22.05	22.09		
50	QPSK	135	0	22.36	22.38	22.24	23.0	1.0
50	QPSK	135	68	22.30	22.40	22.37	24.0	0.0
50	QPSK	135	135	22.21	22.25	22.22		
50	QPSK	270	0	22.32	22.33	22.31	23.0	1.0
50	16QAM	1	1	21.79	21.80	21.82	23.0	1.0
50	64QAM	1	1	21.87	21.87	21.86	22.0	2.0
50	256QAM	1	1	20.99	20.93	20.92	21.0	3.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.08	22.21	22.17	24.0	0.0
Channel				532203	518598	531596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.01	22.06	22.13	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2504.02	2592.99	2679.99		
20	QPSK	1	1	22.23	22.12	22.25	24.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.13	21.91	22.16	24.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.30	22.04	22.27	24.0	0.0

n41_SA&NSA Ant0 PC2 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				540404	518598	535998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI2 BPSK	1	1	24.81	24.69	24.61		
50	PI2 BPSK	1	135	24.88	24.71	24.62	26.5	0.0
50	PI2 BPSK	1	268	24.77	24.75	24.64		
50	PI2 BPSK	135	0	25.02	25.01	24.90	26.0	0.5
50	PI2 BPSK	135	68	24.80	24.86	24.94	26.5	0.0
50	PI2 BPSK	135	135	24.74	24.80	24.83	26.0	0.5
50	PI2 BPSK	270	0	24.77	24.71	24.74		
50	QPSK	1	1	24.74	24.80	24.65		
50	QPSK	1	135	24.88	24.98	24.91	26.5	0.0
50	QPSK	1	268	24.65	24.67	24.72		
50	QPSK	135	0	24.71	24.65	24.54	25.5	1.0
50	QPSK	135	68	24.98	25.07	24.92	26.5	0.0
50	QPSK	135	135	24.79	24.69	24.79		
50	QPSK	270	0	24.21	24.26	24.07	25.5	1.0
50	16QAM	1	1	23.48	23.37	23.38	25.5	1.0
50	64QAM	1	1	22.06	21.96	22.05	24.0	2.5
50	256QAM	1	1	21.10	21.00	20.98	22.0	4.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.86	24.75	24.67	26.5	0.0
Channel				532203	518598	531596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.46	24.54	24.40	26.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2504.02	2592.99	2679.99		
20	QPSK	1	1	24.89	24.84	24.90	26.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	24.93	24.90	25.00	26.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	24.73	24.76	24.75	26.5	0.0

n66_SA&NSA Ant1 Default power								
BW [MHz]	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	PI/2 BPSK	1	1	23.50	23.62	23.60	24.5	0.0
40	PI/2 BPSK	1	108	23.93	24.12	24.02		
40	PI/2 BPSK	1	214	23.58	23.64	23.52		
40	PI/2 BPSK	108	0	23.55	23.44	23.33		
40	PI/2 BPSK	108	54	24.08	24.11	24.05	24.0	0.5
40	PI/2 BPSK	108	108	23.49	23.38	23.40		
40	PI/2 BPSK	216	0	23.57	23.47	23.59		
40	QPSK	1	1	24.00	23.60	23.99	24.5	0.0
40	QPSK	1	108	23.96	24.16	24.06		
40	QPSK	1	214	23.52	23.59	23.59		
40	QPSK	108	0	23.01	22.92	22.87		
40	QPSK	108	54	23.99	24.09	23.97	23.5	1.0
40	QPSK	108	108	22.76	22.86	22.97		
40	QPSK	216	0	22.83	22.94	22.92		
40	16QAM	1	1	22.17	22.28	22.32		
40	64QAM	1	1	20.91	20.93	21.01	22.0	2.5
40	256QAM	1	1	19.57	19.47	19.45		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	24.5	0.0
30	QPSK	1	1	23.75	23.78	23.89		
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	24.5	0.0
25	QPSK	1	1	24.05	23.94	23.89		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	24.5	0.0
20	QPSK	1	1	24.12	24.02	23.97		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	24.5	0.0
15	QPSK	1	1	23.99	24.03	23.95		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24.5	0.0
10	QPSK	1	1	23.94	23.87	23.84		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.5	0.0
5	QPSK	1	1	23.92	24.05	23.97		

Part27O n77_NSA Ant1 PC3 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				648334	656000	663668	23.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	PI/2 BPSK	1	1	20.96	21.01	20.93		
50	PI/2 BPSK	1	135	21.29	21.31	21.26	23.0	0.0
50	PI/2 BPSK	1	268	20.99	21.09	21.03		
50	PI/2 BPSK	135	0	21.30	21.22	21.18		
50	PI/2 BPSK	135	68	21.37	21.33	21.34	23.0	0.0
50	PI/2 BPSK	135	135	21.32	21.24	21.25		
50	PI/2 BPSK	270	0	21.28	21.34	21.23		
50	QPSK	1	1	20.99	21.08	20.96	23.0	0.0
50	QPSK	1	135	21.28	21.38	21.35		
50	QPSK	1	268	21.22	21.16	21.18		
50	QPSK	135	0	21.24	21.19	21.11	22.0	1.0
50	QPSK	135	68	21.30	21.31	21.24		
50	QPSK	135	135	21.25	21.26	21.21		
50	QPSK	270	0	21.18	21.23	21.22	22.0	1.0
50	16QAM	1	1	20.69	20.68	20.73		
50	64QAM	1	1	20.80	20.72	20.76		
50	256QAM	1	1	19.73	19.77	19.68	20.0	3.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	23.0	0.0
40	QPSK	1	1	21.21	21.15	21.27	23.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	23.0	0.0
20	QPSK	1	1	21.14	21.05	20.97	23.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.61	23.0	0.0
15	QPSK	1	1	21.16	21.00	21.10	23.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	23.0	0.0
10	QPSK	1	1	21.33	21.27	21.31	23.0	0.0

Par27Q n77_NSA Ant1 PC3 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334	23.0	0.0
Frequency (MHz)				3500.01	3500.01	3500.01		
50	PI/2 BPSK	1	1	20.67	20.67	20.67		
50	PI/2 BPSK	1	135	21.05	21.05	21.05	23.0	0.0
50	PI/2 BPSK	1	268	20.70	20.70	20.70		
50	PI/2 BPSK	135	0	20.94	20.94	20.94		
50	PI/2 BPSK	135	68	21.09	21.09	21.09	23.0	0.0
50	PI/2 BPSK	135	135	21.03	21.03	21.03		
50	PI/2 BPSK	270	0	20.94	20.94	20.94		
50	QPSK	1	1	20.71	20.71	20.71	23.0	0.0
50	QPSK	1	135	21.12	21.12	21.12		
50	QPSK	1	268	20.77	20.77	20.77		
50	QPSK	135	0	20.91	20.91	20.91	22.0	1.0
50	QPSK	135	68	21.10	21.10	21.10		
50	QPSK	135	135	20.97	20.97	20.97		
50	QPSK	270	0	20.99	20.99	20.99	22.0	1.0
50	16QAM	1	1	20.36	20.36	20.36		
50	64QAM	1	1	20.45	20.45	20.45		
50	256QAM	1	1	19.55	19.55	19.55	20.0	3.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98	23.0	0.0
40	QPSK	1	1	20.74	20.85	20.91	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	23.0	0.0
20	QPSK	1	1	20.78	20.74	20.75	23.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.49	23.0	0.0
15	QPSK	1	1	20.01	20.83	20.81	23.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98	23.0	0.0
10	QPSK	1	1	20.56	20.65	20.75	23.0	0.0

Part270 n78_NSA Ant1 PC3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	PI/2 BPSK	1	1	20.82	20.72	20.68	23.0		0.0
50	PI/2 BPSK	1	135	21.14	21.15	21.06			
50	PI/2 BPSK	1	268	20.94	21.01	20.91			
50	PI/2 BPSK	135	0	21.10	21.17	21.08			
50	PI/2 BPSK	135	68	21.13	21.21	21.13	23.0		0.0
50	PI/2 BPSK	135	135	21.21	21.23	21.17	23.0		0.0
50	PI/2 BPSK	270	0	21.17	21.22	21.11	23.0		0.0
50	QPSK	1	1	20.79	20.78	20.79			
50	QPSK	1	135	21.08	21.29	21.05			
50	QPSK	1	268	20.94	20.94	20.95			
50	QPSK	135	0	21.14	21.14	21.24	22.0		1.0
50	QPSK	135	68	21.20	21.25	21.21	23.0		0.0
50	QPSK	135	135	21.18	21.18	21.13	22.0		1.0
50	QPSK	270	0	21.11	21.17	21.13			
50	16QAM	1	1	20.49	20.49	20.54	22.0		1.0
50	64QAM	1	1	20.67	20.55	20.47	21.0		2.0
50	256QAM	1	1	19.55	19.67	19.79	20.0		3.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	20.91	20.87	20.85	23.0		0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	21.11	21.03	21.13	23.0		0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	21.03	20.99	21.10	23.0		0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	20.95	20.89	20.88	23.0		0.0

Par27Q n78_NSA Ant1 PC3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			23.0	0.0	
Frequency (MHz)					3500.01				
50	PI/2 BPSK	1	1		20.42		23.0	0.0	
50	PI/2 BPSK	1	135		20.76				
50	PI/2 BPSK	1	268		20.50				
50	PI/2 BPSK	135	0		20.83				
50	PI/2 BPSK	135	68		20.82		23.0	0.0	
50	PI/2 BPSK	135	135		20.76				
50	PI/2 BPSK	270	0		20.81				
50	QPSK	1	1		20.45				
50	QPSK	1	135		20.88		23.0	0.0	
50	QPSK	1	268		20.43				
50	QPSK	135	0		20.73				
50	QPSK	135	68		20.79				
50	QPSK	135	135		20.77		22.0	1.0	
50	QPSK	270	0		20.75				
50	16QAM	1	1		20.18		22.0	1.0	
50	64QAM	1	1		20.21				
50	256QAM	1	1		19.34		20.0	3.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	1	20.42	20.32	20.25	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	20.46	20.57	20.50	23.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	1	20.68	20.62	20.72	23.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	1	20.51	20.45	20.47	23.0	0.0	

n7_SA&NSA Ant2 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	22.80	22.86	22.74	24.5	0.0
20	PI/2 BPSK	1	53	22.96	22.94	22.87		
20	PI/2 BPSK	1	104	22.88	22.97	22.85		
20	PI/2 BPSK	50	0	22.38	22.46	22.58		
20	PI/2 BPSK	50	28	22.86	22.90	22.77	24.5	0.0
20	PI/2 BPSK	50	56	22.34	22.43	22.51	24.0	0.5
20	PI/2 BPSK	100	0	22.46	22.46	22.53		
20	QPSK	1	1	22.78	22.69	22.86	24.5	0.0
20	QPSK	1	53	22.86	22.89	22.94		
20	QPSK	1	104	22.92	22.81	22.87		
20	QPSK	50	0	21.80	21.92	21.85	23.5	1.0
20	QPSK	50	28	22.83	22.90	22.80	24.5	0.0
20	QPSK	50	56	21.93	21.86	21.76	23.5	1.0
20	QPSK	100	0	21.85	21.92	21.90		
20	16QAM	1	1	21.58	21.59	21.61	23.5	1.0
20	64QAM	1	1	20.06	20.11	20.05	22.0	2.5
20	256QAM	1	1	18.60	18.52	18.49	20.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0
15	QPSK	1	1	22.85	22.87	22.91	24.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	24.5	0.0
10	QPSK	1	1	22.90	22.95	22.83	24.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24.5	0.0
5	QPSK	1	1	22.93	22.84	22.76	24.5	0.0

n66_SA&NSA Ant2 Default power								
BW [MHz]	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	PI/2 BPSK	1	1	22.64	22.54	22.62	24.5	0.0
40	PI/2 BPSK	1	108	23.20	23.18	23.20		
40	PI/2 BPSK	1	214	22.63	22.69	22.79		
40	PI/2 BPSK	108	0	22.51	22.57	22.51	24.0	0.5
40	PI/2 BPSK	108	54	23.21	23.21	23.08	24.5	0.0
40	PI/2 BPSK	108	108	22.61	22.54	22.51	24.0	0.5
40	PI/2 BPSK	216	0	22.61	22.56	22.64		
40	QPSK	1	1	22.58	22.55	22.51	24.5	0.0
40	QPSK	1	108	23.06	23.27	23.14		
40	QPSK	1	214	22.72	22.63	22.56		
40	QPSK	108	0	22.05	21.99	21.96	23.5	1.0
40	QPSK	108	54	23.07	23.13	23.08	24.5	0.0
40	QPSK	108	108	21.98	21.99	22.09	23.5	1.0
40	QPSK	216	0	21.97	22.02	21.99		
40	16QAM	1	1	21.57	21.53	21.51	23.5	1.0
40	64QAM	1	1	20.11	20.09	20.04	22.0	2.5
40	256QAM	1	1	18.40	18.45	18.53	20.0	4.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	22.71	22.79	22.73	24.5	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	22.83	22.93	22.90	24.5	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	22.91	23.02	22.97	24.5	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	22.99	23.08	23.00	24.5	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	22.88	22.92	22.98	24.5	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	23.23	23.14	23.17	24.5	0.0

n38_SA&NSA Ant2 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.48	23.51	23.41	24.5	0.0
40	PI/2 BPSK	1	53	23.68	23.56	23.63		
40	PI/2 BPSK	1	104	23.42	23.51	23.61		
40	PI/2 BPSK	50	0	23.03	23.13	23.10	24.0	0.5
40	PI/2 BPSK	50	28	23.69	23.68	23.67	24.5	0.0
40	PI/2 BPSK	50	56	23.50	23.66	23.62	24.0	0.5
40	PI/2 BPSK	100	0	23.39	23.34	23.39		
40	QPSK	1	1	23.49	23.70	23.63	24.5	0.0
40	QPSK	1	53	23.44	23.53	23.55		
40	QPSK	1	104	23.54	23.59	23.63		
40	QPSK	50	0	22.50	22.46	22.48	23.5	1.0
40	QPSK	50	28	23.67	23.68	23.63	24.5	0.0
40	QPSK	50	56	23.53	23.65	23.62	23.5	1.0
40	QPSK	100	0	22.66	22.76	22.68		
40	16QAM	1	1	21.75	21.74	21.66	23.5	1.0
40	64QAM	1	1	20.15	20.24	20.19	22.0	2.5
40	256QAM	1	1	18.85	18.95	18.91	20.0	4.5
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	24.5	0.0
20	QPSK	1	1	23.37	23.63	23.57	24.5	0.0
Channel				515592	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	24.5	0.0
15	PI/2 BPSK	1	1	23.47	23.57	23.54	24.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	24.5	0.0
10	PI/2 BPSK	1	1	23.34	23.70	23.49	24.5	0.0
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615	24.5	0.0
5	QPSK	1	1	23.50	23.50	23.54	24.5	0.0

n41_SA&NSA Ant2 PC3 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998	24.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	23.62	23.63	23.40	24.5	0.0
50	PI/2 BPSK	1	135	23.74	23.66	23.66		
50	PI/2 BPSK	1	268	23.54	23.65	23.77		
50	PI/2 BPSK	135	0	22.98	23.09	23.08	24.0	0.5
50	PI/2 BPSK	135	68	23.77	23.70	23.73	24.5	0.0
50	PI/2 BPSK	135	135	23.50	23.67	23.70	24.0	0.5
50	PI/2 BPSK	270	0	23.51	23.40	23.34		
50	QPSK	1	1	23.65	23.76	23.59	24.5	0.0
50	QPSK	1	135	23.49	23.49	23.63		
50	QPSK	1	268	23.65	23.66	23.73		
50	QPSK	135	0	22.55	22.73	22.42	23.5	1.0
50	QPSK	135	68	23.58	23.73	23.72	24.5	0.0
50	QPSK	135	135	23.52	23.60	23.70	23.5	1.0
50	QPSK	270	0	22.70	22.72	22.63		
50	16QAM	1	1	21.81	21.74	21.67	23.5	1.0
50	64QAM	1	1	20.28	20.37	20.26	22.0	2.5
50	256QAM	1	1	18.87	19.06	19.03	20.0	4.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	22.5	2.0
40	QPSK	1	1	23.20	23.25	23.17	22.5	2.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	22.5	2.0
30	QPSK	1	1	23.49	23.53	23.44	22.5	2.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	22.5	2.0
20	QPSK	1	1	23.71	23.68	23.71	22.5	2.0
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	22.5	2.0
15	QPSK	1	1	23.56	23.58	23.75	22.5	2.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685	22.5	2.0
10	QPSK	1	1	23.74	23.70	23.69	22.5	2.0

Par27O n77_SA&NSA Ant3 PC3 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				648334	656000	663668	24.5	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	PI/2 BPSK	1	1	23.13	23.15	23.19	24.5	0.0
50	PI/2 BPSK	1	135	23.39	23.43	23.47		
50	PI/2 BPSK	1	268	23.22	23.21	23.17		
50	PI/2 BPSK	135	0	23.42	23.45	23.42	24.5	0.0
50	PI/2 BPSK	135	68	23.49	23.46	23.30	24.5	0.0
50	PI/2 BPSK	135	135	23.45	23.47	23.43	24.5	0.0
50	PI/2 BPSK	270	0	23.46	23.49	23.48		
50	QPSK	1	1	23.10	23.11	23.21	24.5	0.0
50	QPSK	1	135	23.44	23.50	23.41		
50	QPSK	1	268	23.25	23.26	23.27		
50	QPSK	135	0	23.35	23.36	23.35	24.5	0.0
50	QPSK	135	68	23.44	23.48	23.30	24.5	0.0
50	QPSK	135	135	23.42	23.40	23.43	24.5	0.0
50	QPSK	270	0	23.35	23.43	23.20		
50	16QAM	1	1	22.93	22.88	22.95	24.5	0.0
50	64QAM	1	1	22.91	22.94	22.89	24.5	0.0
50	256QAM	1	1	22.07	22.01	21.97	23.0	1.5
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	24.5	0.0
40	QPSK	1	1	23.08	23.05	23.03	24.5	0.0
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02	24.5	0.0
20	QPSK	1	1	23.01	22.98	22.95	24.5	0.0
Channel				647168	656000	664834		
Frequency (MHz)				3707.52	3840	3972.51	24.5	0.0
15	QPSK	1	1	23.08	23.03	23.00	24.5	0.0
Channel				647000	656000	665000		
Frequency (MHz)				3705	3840	3975	24.5	0.0
10	QPSK	1	1	22.91	22.91	22.89	24.5	0.0

Par27Q n77_NSA Ant3 PC3 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334		3500.01	24.5	0.0
Frequency (MHz)						3500.01		
50	PI/2 BPSK	1	1	22.71			24.5	0.0
50	PI/2 BPSK	1	135	22.97				
50	PI/2 BPSK	1	268	22.67				
50	PI/2 BPSK	135	0	22.95			24.5	0.0
50	PI/2 BPSK	135	68	23.08			24.5	0.0
50	PI/2 BPSK	135	135	23.01			24.5	0.0
50	PI/2 BPSK	270	0	22.94				
50	QPSK	1	1	22.65			24.5	0.0
50	QPSK	1	135	23.11				
50	QPSK	1	268	22.65				
50	QPSK	135	0	22.81			24.5	0.0
50	QPSK	135	68	23.01			24.5	0.0
50	QPSK	135	135	22.98			24.5	0.0
50	QPSK	270	0	22.92				
50	16QAM	1	1	22.47			24.5	0.0
50	64QAM	1	1	22.53			24.5	0.0
50	256QAM	1	1	21.83			23.0	1.5
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98	24.5	0.0
40	QPSK	1	1	22.65	22.68	22.72	24.5	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3469.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.59	22.53	22.49	24.5	0.0
Channel				630500	633334	636166		
Frequency (MHz)				3457.5	3500.01	3542.49	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	22.65	22.52	22.55	24.5	0.0
Channel				630334	633334	636332		
Frequency (MHz)				3455.01	3500.01	3544.98	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.75	22.72	22.68	24.5	0.0

Par27O n77_SA&NSA Ant3 PC2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR	
Channel				648334	656000	663668	27.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	26.10	26.07	26.15	27.0	0.0	
50	PI/2 BPSK	1	135	26.40	26.35	26.44			
50	PI/2 BPSK	1	268	26.23	26.33	26.36			
50	PI/2 BPSK	135	0	25.86	25.98	26.06	26.5	0.5	
50	PI/2 BPSK	135	68	26.39	26.41	26.31	27.0	0.0	
50	PI/2 BPSK	135	135	26.13	26.09	26.08	26.5	0.5	
50	PI/2 BPSK	270	0	26.13	26.03	26.02			
50	QPSK	1	1	25.99	26.00	25.93	27.0	0.0	
50	QPSK	1	135	26.39	26.47	26.39			
50	QPSK	1	268	26.33	26.27	26.16			
50	QPSK	135	0	25.32	25.40	25.30	26.0	1.0	
50	QPSK	135	68	26.34	26.45	26.38	27.0	0.0	
50	QPSK	135	135	25.58	25.58	25.55	26.0	1.0	
50	QPSK	270	0	25.49	25.51	25.36			
50	16QAM	1	1	24.18	24.19	24.17	26.0	1.0	
50	64QAM	1	1	22.84	22.84	22.74	24.5	2.5	
50	256QAM	1	1	21.85	21.91	22.01	22.5	4.5	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	27.0	0.0	
40	QPSK	1	1	26.04	25.99	25.95	27.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	27.0	0.0	
20	QPSK	1	1	25.70	25.73	25.77	27.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	27.0	0.0	
15	QPSK	1	1	25.87	25.79	25.73	27.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	27.0	0.0	
10	QPSK	1	1	25.68	25.81	25.92	27.0	0.0	

Par27Q n77_NSA Ant3 PC2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			27.0	0.0	
Frequency (MHz)				3500.01					
50	PI/2 BPSK	1	1	25.77	25.87	25.91	27.0	0.0	
50	PI/2 BPSK	1	135	26.07	26.16	26.17			
50	PI/2 BPSK	1	268	25.82	25.84	25.86			
50	PI/2 BPSK	135	0	25.71	25.72	25.77	26.5	0.5	
50	PI/2 BPSK	135	68	26.24	26.28	26.17	27.0	0.0	
50	PI/2 BPSK	135	135	25.87	25.82	25.70	26.5	0.5	
50	PI/2 BPSK	270	0	25.79	25.69	25.64			
50	QPSK	1	1	25.89	25.81	25.71	27.0	0.0	
50	QPSK	1	135	26.09	26.30	26.08			
50	QPSK	1	268	25.71	25.83	25.78			
50	QPSK	135	0	25.15	25.14	25.12	26.0	1.0	
50	QPSK	135	68	26.19	26.28	26.20	27.0	0.0	
50	QPSK	135	135	25.11	25.15	25.06	26.0	1.0	
50	QPSK	270	0	25.12	25.16	25.11			
50	16QAM	1	1	23.96	24.07	23.96	26.0	1.0	
50	64QAM	1	1	22.53	22.63	22.58	24.5	2.5	
50	256QAM	1	1	21.23	21.16	21.05	22.5	4.5	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	27.0	0.0	
40	QPSK	1	1	25.31	25.32	25.39	27.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	27.0	0.0	
20	QPSK	1	1	25.40	25.48	25.53	27.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	27.0	0.0	
15	QPSK	1	1	25.33	25.44	25.43	27.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	27.0	0.0	
10	QPSK	1	1	25.30	25.36	25.26	27.0	0.0	

Par27O n78_SA&NSA Ant3 PC3 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				646334	650000	651668	24.5	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	PI/2 BPSK	1	1	22.93	22.86	22.91		
50	PI/2 BPSK	1	135	23.38	23.41	23.38	24.5	0.0
50	PI/2 BPSK	1	268	23.19	23.23	23.23		
50	PI/2 BPSK	135	0	23.38	23.44	23.42		
50	PI/2 BPSK	135	68	23.40	23.47	23.41	24.5	0.0
50	PI/2 BPSK	135	135	23.46	23.45	23.43		
50	PI/2 BPSK	270	0	23.39	23.46	23.40		
50	QPSK	1	1	23.04	22.95	22.90	24.5	0.0
50	QPSK	1	135	23.35	23.49	23.38		
50	QPSK	1	268	23.24	23.27	23.34		
50	QPSK	135	0	23.43	23.42	23.36	24.5	0.0
50	QPSK	135	68	23.44	23.46	23.42		
50	QPSK	135	135	23.37	23.43	23.44		
50	QPSK	270	0	23.31	23.40	23.36	24.5	0.0
50	16QAM	1	1	22.87	22.83	22.84		
50	64QAM	1	1	22.86	22.88	22.84		
50	256QAM	1	1	22.05	21.98	21.97	23.0	1.5
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	24.5	0.0
40	QPSK	1	1	23.00	23.02	23.04	Tune-up limit (dBm)	MPR (dB)
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	24.5	0.0
20	QPSK	1	1	23.06	22.99	22.95	Tune-up limit (dBm)	MPR (dB)
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3750	3792.61	24.5	0.0
15	QPSK	1	1	22.96	23.00	23.05	Tune-up limit (dBm)	MPR (dB)
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	24.5	0.0
10	QPSK	1	1	22.40	22.42	22.44	Tune-up limit (dBm)	MPR (dB)

Par27Q n78_NSA Ant3 PC3 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				633334			24.5	0.0
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1	23.05				
50	PI/2 BPSK	1	135	23.13			24.5	0.0
50	PI/2 BPSK	1	268	22.83				
50	PI/2 BPSK	135	0	23.18				
50	PI/2 BPSK	135	68	23.25			24.5	0.0
50	PI/2 BPSK	135	135	23.10				
50	PI/2 BPSK	270	0	23.07				
50	QPSK	1	1	22.83			24.5	0.0
50	QPSK	1	135	23.26				
50	QPSK	1	268	22.81				
50	QPSK	135	0	23.15			24.5	0.0
50	QPSK	135	68	23.24			24.5	0.0
50	QPSK	135	135	23.18			24.5	0.0
50	QPSK	270	0	23.14				
50	16QAM	1	1	22.58				
50	64QAM	1	1	22.61			24.5	0.0
50	256QAM	1	1	21.79			23.0	1.5
Channel				631334	633334	635332	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3470.01	3500.01	3529.98	24.5	0.0
40	QPSK	1	1	22.92	22.91	22.90	24.5	0.0
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3460.02	3500.01	3540	24.5	0.0
20	QPSK	1	1	22.97	22.96	23.02	24.5	0.0
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3457.5	3500.01	3542.49	24.5	0.0
15	QPSK	1	1	23.19	23.15	23.01	24.5	0.0
Channel				630334	633334	636332	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				3455.01	3500.01	3544.98	24.5	0.0
10	QPSK	1	1	23.11	23.07	23.13	24.5	0.0

Par270 n78_SA&NSA Ant3 PC2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				646334	650000	651668	27.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	PI/2 BPSK	1	1	26.16	26.08	26.12	27.0	0.0	
50	PI/2 BPSK	1	135	26.52	26.56	26.57			
50	PI/2 BPSK	1	268	26.43	26.45	26.49			
50	PI/2 BPSK	135	0	26.11	26.14	26.11			
50	PI/2 BPSK	135	68	26.66	26.70	26.69	27.0	0.0	
50	PI/2 BPSK	135	135	26.12	26.09	26.14	26.5	0.5	
50	PI/2 BPSK	270	0	26.00	26.04	26.09			
50	QPSK	1	1	26.19	26.20	26.19	27.0	0.0	
50	QPSK	1	135	26.64	26.73	26.62			
50	QPSK	1	268	26.25	26.28	26.29			
50	QPSK	135	0	25.53	25.53	25.53		1.0	
50	QPSK	135	68	26.65	26.70	26.61	27.0	0.0	
50	QPSK	135	135	25.49	25.47	25.45	26.0	1.0	
50	QPSK	270	0	25.55	25.70	25.66			
50	16QAM	1	1	24.39	24.36	24.35	26.0	1.0	
50	64QAM	1	1	22.92	22.95	22.92	24.5	2.5	
50	256QAM	1	1	21.48	21.47	21.50	22.5	4.5	
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	27.0	0.0	
40	QPSK	1	1	26.60	26.66	26.71	27.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	27.0	0.0	
20	QPSK	1	1	26.55	26.51	26.57	27.0	0.0	
Channel				647168	650000	652634	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	27.0	0.0	
15	QPSK	1	1	26.40	26.40	26.48	27.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	27.0	0.0	
10	QPSK	1	1	26.62	26.61	26.67	27.0	0.0	

Par27Q n78_NSA Ant3 PC2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			27.0	0.0	
Frequency (MHz)				3500.01					
50	PI/2 BPSK	1	1		26.02		27.0	0.0	
50	PI/2 BPSK	1	135		26.17				
50	PI/2 BPSK	1	268		26.00				
50	PI/2 BPSK	135	0		25.75				
50	PI/2 BPSK	135	68		26.04		26.5	0.5	
50	PI/2 BPSK	135	135		25.72		27.0	0.0	
50	PI/2 BPSK	270	0		25.68		26.5	0.5	
50	QPSK	1	1		25.96		27.0	0.0	
50	QPSK	1	135		26.19				
50	QPSK	1	268		25.93				
50	QPSK	135	0		25.14				
50	QPSK	135	68		26.08		26.0	1.0	
50	QPSK	135	135		25.17		27.0	0.0	
50	QPSK	270	0		25.10		26.0	1.0	
50	16QAM	1	1		24.08		26.0	1.0	
50	64QAM	1	1		22.59		24.5	2.5	
50	256QAM	1	1		21.13		22.5	4.5	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	27.0	0.0	
40	QPSK	1	1	26.15	26.11	26.09	27.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	27.0	0.0	
20	QPSK	1	1	26.15	26.09	26.04	27.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	27.0	0.0	
15	QPSK	1	1	26.05	26.05	26.04	27.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	27.0	0.0	
10	QPSK	1	1	26.17	26.13	26.10	27.0	0.0	



n5_SA&NSA Ant4 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				168300	167300	167600	24.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.57	23.67	23.75		
20	PI2 BPSK	1	53	23.66	23.76	23.71		
20	PI2 BPSK	1	104	23.75	23.73	23.76	24.0	0.5
20	PI2 BPSK	50	0	23.35	23.39	23.34	24.5	0.0
20	PI2 BPSK	50	28	23.84	23.83	23.81	24.5	0.0
20	PI2 BPSK	50	56	23.27	23.36	23.46	24.0	0.5
20	PI2 BPSK	100	0	23.27	23.36	23.40	24.5	0.0
20	QPSK	1	1	23.68	23.65	23.75	24.5	0.0
20	QPSK	1	53	23.63	23.77	23.72	24.5	0.0
20	QPSK	1	104	23.63	23.62	23.74	24.5	0.0
20	QPSK	50	0	22.82	22.96	22.87	23.5	1.0
20	QPSK	50	28	23.80	23.90	23.75	24.5	0.0
20	QPSK	50	56	22.77	22.79	22.68	23.5	1.0
20	QPSK	100	0	22.80	22.90	22.82	24.5	0.0
20	16QAM	1	1	22.32	22.36	22.43	23.5	1.0
20	64QAM	1	1	21.00	20.86	20.94	22.0	2.5
20	256QAM	1	1	19.36	19.47	19.48	20.0	4.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	24.5	0.0
15	QPSK	1	1	23.66	23.65	23.54	24.5	0.0
Channel				167200	167200	167300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	24.5	0.0
10	QPSK	1	1	23.60	23.53	23.42	24.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				841.5	836.5	844.5	24.5	0.0
5	QPSK	1	1	23.70	23.67	23.61	24.5	0.0

n7_SA&NSA Ant4 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	23.5	0.0
Frequency (MHz)				2610	2635	2660		
20	PI2 BPSK	1	1	22.47	22.52	22.46		
20	PI2 BPSK	1	53	22.45	22.46	22.38		
20	PI2 BPSK	1	104	22.42	22.53	22.47	23.0	0.5
20	PI2 BPSK	50	0	22.17	22.14	22.17	23.0	0.5
20	PI2 BPSK	50	28	22.56	22.47	22.39	23.5	0.0
20	PI2 BPSK	50	56	22.19	22.11	22.04	23.0	0.5
20	PI2 BPSK	100	0	22.08	22.14	22.07	23.5	0.0
20	QPSK	1	1	22.58	22.66	22.55	23.5	0.0
20	QPSK	1	53	22.45	22.58	22.51	23.5	0.0
20	QPSK	1	104	22.43	22.47	22.55	23.5	0.0
20	QPSK	50	0	21.74	21.81	21.84	22.5	1.0
20	QPSK	50	28	22.43	22.60	22.45	23.5	0.0
20	QPSK	50	56	21.69	21.52	21.42	22.5	1.0
20	QPSK	100	0	21.42	21.60	21.56	22.5	1.0
20	16QAM	1	1	21.30	21.23	21.18	22.5	1.0
20	64QAM	1	1	19.67	19.73	19.66	21.0	2.5
20	256QAM	1	1	18.38	18.33	18.34	19.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2607.5	2635	2662.5	23.5	0.0
15	QPSK	1	1	22.58	22.48	22.52	23.5	0.0
Channel				510000	520000	530000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2605	2635	2665	23.5	0.0
10	QPSK	1	1	22.51	22.37	22.49	23.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2602.5	2635	2667.5	23.5	0.0
5	QPSK	1	1	22.63	22.54	22.55	23.5	0.0

n66_SA&NSA Ant4 Default power								
BW [MHz]	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	346000	346000	23.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	22.24	22.32	22.38		
40	PI2 BPSK	1	108	22.80	22.86	22.83		
40	PI2 BPSK	1	214	22.49	22.45	22.51	23.0	0.5
40	PI2 BPSK	108	0	22.09	22.11	22.23	23.0	0.5
40	PI2 BPSK	108	54	22.87	22.83	22.83	23.5	0.0
40	PI2 BPSK	108	108	22.09	22.10	22.13	23.0	0.5
40	PI2 BPSK	216	0	22.11	22.12	22.15	23.5	0.0
40	QPSK	1	1	22.30	22.29	22.37	23.5	0.0
40	QPSK	1	108	22.79	22.88	22.79	23.5	0.0
40	QPSK	1	214	22.45	22.37	22.42	23.5	0.0
40	QPSK	108	0	21.55	21.63	21.74	22.5	1.0
40	QPSK	108	54	22.78	22.84	22.73	23.5	0.0
40	QPSK	108	108	21.49	21.59	21.68	22.5	1.0
40	QPSK	216	0	21.56	21.69	21.68	22.5	1.0
40	16QAM	1	1	21.85	21.55	21.58	22.5	1.0
40	64QAM	1	1	20.13	20.04	20.06	21.0	2.5
40	256QAM	1	1	18.59	18.61	18.63	19.0	4.5
Channel				345000	346000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	23.5	0.0
30	QPSK	1	1	22.34	22.38	22.29	23.5	0.0
Channel				345000	346000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	23.5	0.0
25	QPSK	1	1	22.80	22.51	22.40	23.5	0.0
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1774	23.5	0.0
20	QPSK	1	1	22.67	22.60	22.56	23.5	0.0
Channel				343000	346000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	23.5	0.0
15	QPSK	1	1	22.72	22.68	22.69	23.5	0.0
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	23.5	0.0
10	QPSK	1	1	22.60	22.53	22.63	23.5	0.0
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	23.5	0.0
5	QPSK	1	1	22.76	22.77	22.83	23.5	0.0

n38_SA&NSA Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.78	22.71	22.69	24.5	0.0	
40	PI/2 BPSK	1	53	23.13	23.23	23.12			
40	PI/2 BPSK	1	104	23.51	23.61	23.55			
40	PI/2 BPSK	50	0	23.18	23.27	23.19			
40	PI/2 BPSK	50	28	23.55	23.64	23.51	24.5	0.0	
40	PI/2 BPSK	50	58	23.57	23.60	23.53	24.0	0.5	
40	PI/2 BPSK	100	0	22.89	22.96	22.88			
40	QPSK	1	1	22.51	22.52	22.62	24.5	0.0	
40	QPSK	1	53	23.54	23.65	23.43			
40	QPSK	1	104	23.44	23.47	23.49			
40	QPSK	50	0	23.21	23.16	23.20	23.5	1.0	
40	QPSK	50	28	23.37	23.49	23.39	24.5	0.0	
40	QPSK	50	58	23.45	23.47	23.36	23.5	1.0	
40	QPSK	100	0	22.35	22.39	22.27			
40	16QAM	1	1	22.01	22.16	22.10	23.5	1.0	
40	64QAM	1	1	20.06	20.90	20.04	22.0	2.5	
40	256QAM	1	1	18.49	18.53	18.43	20.0	4.5	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.01	22.91	23.02	24.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.11	23.02	22.92	24.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.98	22.99	23.02	24.5	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
5	QPSK	1	1	22.86	22.95	22.95	24.5	0.0	

n41_SA&NSA Ant4 PC3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	22.42	22.36	22.44	24.5	0.0	
50	PI/2 BPSK	1	135	22.37	22.42	22.30			
50	PI/2 BPSK	1	268	22.11	22.15	22.19			
50	PI/2 BPSK	135	0	22.33	22.31	22.20	24.0	0.5	
50	PI/2 BPSK	135	68	22.43	22.43	22.39	24.5	0.0	
50	PI/2 BPSK	135	135	22.32	22.40	22.36	24.0	0.5	
50	PI/2 BPSK	270	0	22.09	22.14	22.22			
50	QPSK	1	1	22.19	22.28	22.33	24.5	0.0	
50	QPSK	1	135	22.38	22.46	22.32			
50	QPSK	1	268	22.14	22.22	22.11			
50	QPSK	135	0	22.35	22.33	22.23	23.5	1.0	
50	QPSK	135	68	22.40	22.45	22.27	24.5	0.0	
50	QPSK	135	135	22.36	22.42	22.40	23.5	1.0	
50	QPSK	270	0	22.03	22.14	22.02			
50	16QAM	1	1	21.62	21.57	21.49	23.5	1.0	
50	64QAM	1	1	21.61	21.61	21.51	22.0	2.5	
50	256QAM	1	1	20.84	20.77	20.81	21.0	3.5	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	22.38	22.42	22.32	24.5	0.0	
Channel				502200	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	22.17	22.41	22.14	24.5	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	22.37	22.32	22.15	24.5	0.0	
Channel				500700	518598	536498	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	22.17	22.30	22.27	24.5	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	22.36	22.40	22.23	24.5	0.0	

Par270 n77_SA&NSA Ant5 PC3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	656000	663668	24.5	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	23.52	23.54	23.50	24.5	0.0	
50	PI/2 BPSK	1	135	23.92	23.86	23.83			
50	PI/2 BPSK	1	268	23.66	23.65	23.61			
50	PI/2 BPSK	135	0	23.70	23.95	23.90	24.5	0.0	
50	PI/2 BPSK	135	68	23.93	23.92	23.95	24.5	0.0	
50	PI/2 BPSK	135	135	23.95	23.95	23.68	24.5	0.0	
50	PI/2 BPSK	270	0	23.86	23.91	23.96			
50	QPSK	1	1	23.47	23.48	23.51			
50	QPSK	1	135	23.82	23.87	23.79	24.5	0.0	
50	QPSK	1	268	23.66	23.63	23.66			
50	QPSK	135	0	23.78	23.92	23.92		0.0	
50	QPSK	135	68	23.96	23.97	23.83	24.5	0.0	
50	QPSK	135	135	23.79	23.95	23.88	24.5	0.0	
50	QPSK	270	0	23.87	23.91	23.87			
50	16QAM	1	1	23.30	23.32	23.37	24.5	0.0	
50	64QAM	1	1	23.38	23.35	23.39	24.5	0.0	
50	256QAM	1	1	22.45	22.43	22.43	23.0	1.5	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3950			
40	QPSK	1	1	23.67	23.66	23.72	24.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	23.75	23.72	23.67	24.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	23.75	23.76	23.65	24.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	23.68	23.62	23.64	24.5	0.0	

Par27Q n77_NSA Ant5 PC3 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334		24.5	0.0
Frequency (MHz)					3500.01			
50	PI/2 BPSK	1	1	23.38				
50	PI/2 BPSK	1	135	23.47				
50	PI/2 BPSK	1	268	23.13				
50	PI/2 BPSK	135	0	23.41			24.5	0.0
50	PI/2 BPSK	135	68	23.54			24.5	0.0
50	PI/2 BPSK	135	135	23.46			24.5	0.0
50	PI/2 BPSK	270	0	23.43				
50	QPSK	1	1	23.56			24.5	0.0
50	QPSK	1	135	23.61				
50	QPSK	1	268	23.19				
50	QPSK	135	0	23.45			24.5	0.0
50	QPSK	135	68	23.52			24.5	0.0
50	QPSK	135	135	23.50			24.5	0.0
50	QPSK	270	0	23.44				
50	16QAM	1	1	22.95			24.5	0.0
50	64QAM	1	1	23.01			24.5	0.0
50	256QAM	1	1	22.12			23.0	1.5
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	QPSK	1	1	23.39	23.35	23.30	24.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.33	23.26	23.24	24.5	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.49		
15	QPSK	1	1	23.29	23.30	23.30	24.5	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98		
10	QPSK	1	1	23.53	23.46	23.42	24.5	0.0

Par270 n77_SA&NSA Ant5 PC2 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				648334	656000	663668	27.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	PI/2 BPSK	1	1	26.31	26.25	26.23	27.0	0.0
50	PI/2 BPSK	1	135	26.37	26.32	26.31		
50	PI/2 BPSK	1	268	26.12	26.08	26.09		
50	PI/2 BPSK	135	0	26.39	26.37	26.38	26.5	0.5
50	PI/2 BPSK	135	68	26.09	26.21	26.04	27.0	0.0
50	PI/2 BPSK	135	135	26.42	26.46	26.52	26.5	0.5
50	PI/2 BPSK	270	0	26.40	26.34	26.32		
50	QPSK	1	1	25.95	26.18	26.15		
50	QPSK	1	135	26.52	26.57	26.56	27.0	0.0
50	QPSK	1	268	26.30	26.33	26.37		
50	QPSK	135	0	26.06	26.03	26.04		
50	QPSK	135	68	26.34	26.46	26.44	27.0	0.0
50	QPSK	135	135	26.13	26.17	26.15	26.0	1.0
50	QPSK	270	0	25.89	26.08	26.02		
50	16QAM	1	1	24.94	24.91	24.87		
50	64QAM	1	1	23.49	23.45	23.44	24.5	2.5
50	256QAM	1	1	22.14	22.08	22.05	22.5	4.5
Channel				649000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	26.05	26.08	26.02	27.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	26.42	26.36	26.30	27.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	26.35	26.37	26.25	27.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	26.33	26.28	26.32	27.0	0.0

Par27Q n77_NSA Ant5 PC2 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			27.0	0.0
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1	25.92	25.91	25.90	27.0	0.0
50	PI/2 BPSK	1	135	26.15	26.18	26.14		
50	PI/2 BPSK	1	268	25.86	25.83	25.82		
50	PI/2 BPSK	135	0	26.26	26.22	26.29	26.5	0.5
50	PI/2 BPSK	135	68	26.44	26.44	26.50	27.0	0.0
50	PI/2 BPSK	135	135	26.29	26.26	26.23	26.5	0.5
50	PI/2 BPSK	270	0	26.28	26.21	26.21		
50	QPSK	1	1	25.89	25.82	25.82		
50	QPSK	1	135	25.94	26.08	25.98	27.0	0.0
50	QPSK	1	268	25.81	25.76	25.76		
50	QPSK	135	0	25.68	25.62	25.59		
50	QPSK	135	68	26.50	26.58	26.46	27.0	0.0
50	QPSK	135	135	25.67	25.69	25.73	26.0	1.0
50	QPSK	270	0	25.60	25.62	25.56		
50	16QAM	1	1	24.52	24.52	24.53		
50	64QAM	1	1	23.04	23.06	23.07	24.5	2.5
50	256QAM	1	1	21.63	21.67	21.67	22.5	4.5
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	QPSK	1	1	25.42	25.46	25.48	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.92	25.92	25.87	27.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.49		
15	QPSK	1	1	25.88	25.89	25.70	27.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98		
10	QPSK	1	1	25.74	25.76	25.81	27.0	0.0

Par270 n78_SA&NSA Ant5 PC3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	650000	651668	24.5	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	PI/2 BPSK	1	1	23.15	23.13	23.10			
50	PI/2 BPSK	1	135	23.52	23.45	23.51	24.5	0.0	
50	PI/2 BPSK	1	268	23.33	23.35	23.36			
50	PI/2 BPSK	135	0	23.47	23.42	23.40			
50	PI/2 BPSK	135	68	23.38	23.38	23.38	24.5	0.0	
50	PI/2 BPSK	135	135	23.43	23.41	23.39	24.5	0.0	
50	PI/2 BPSK	270	0	23.42	23.37	23.36			
50	QPSK	1	1	23.21	23.18	23.19			
50	QPSK	1	135	23.30	23.49	23.34	24.5	0.0	
50	QPSK	1	268	23.38	23.37	23.35			
50	QPSK	135	0	23.41	23.45	23.40	24.5	0.0	
50	QPSK	135	68	23.37	23.54	23.52	24.5	0.0	
50	QPSK	135	135	23.34	23.48	23.47	24.5	0.0	
50	QPSK	270	0	23.41	23.49	23.45			
50	16QAM	1	1	23.11	23.09	23.16	24.5	0.0	
50	64QAM	1	1	23.16	23.11	23.16	24.5	0.0	
50	256QAM	1	1	22.09	22.04	22.08	23.0	1.5	
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	24.5	0.0	
40	QPSK	1	1	22.53	22.56	22.61	24.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	24.5	0.0	
20	QPSK	1	1	22.68	22.61	22.61	24.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	24.5	0.0	
15	QPSK	1	1	22.50	22.49	22.52	24.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	24.5	0.0	
10	QPSK	1	1	22.50	22.53	22.57	24.5	0.0	

Par27Q n78_NSA Ant5 PC3 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			24.5	0.0
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1	22.98				
50	PI/2 BPSK	1	135	23.23			24.5	0.0
50	PI/2 BPSK	1	268	22.89				
50	PI/2 BPSK	135	0	23.32				
50	PI/2 BPSK	135	68	23.33			24.5	0.0
50	PI/2 BPSK	135	135	23.26			24.5	0.0
50	PI/2 BPSK	270	0	23.24				
50	QPSK	1	1	23.02				
50	QPSK	1	135	23.41			24.5	0.0
50	QPSK	1	268	23.00				
50	QPSK	135	0	23.28			24.5	0.0
50	QPSK	135	68	23.34			24.5	0.0
50	QPSK	135	135	23.30			24.5	0.0
50	QPSK	270	0	23.32				
50	16QAM	1	1	22.96			24.5	0.0
50	64QAM	1	1	23.01			24.5	0.0
50	256QAM	1	1	21.98			23.0	1.5
Channel				631334	633334	635332	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)
40	QPSK	1	1	23.26	23.22	23.18	24.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	23.24	23.25	23.26	24.5	0.0
Channel				630500	633334	636166	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)
15	QPSK	1	1	23.14	23.15	23.22	24.5	0.0
Channel				630334	633334	636332	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)
10	QPSK	1	1	23.10	23.12	23.08	24.5	0.0

Par270 n78_SA&NSA Ant5 PC2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	650000	651668	27.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	PI/2 BPSK	1	1	26.07	26.00	25.97	27.0	0.0	
50	PI/2 BPSK	1	135	26.26	26.32	26.34			
50	PI/2 BPSK	1	268	26.18	26.17	26.24			
50	PI/2 BPSK	135	0	25.65	25.60	25.62	26.5	0.5	
50	PI/2 BPSK	135	68	26.21	26.24	26.20	27.0	0.0	
50	PI/2 BPSK	135	135	25.67	25.72	25.71	26.5	0.5	
50	PI/2 BPSK	270	0	25.68	25.66	25.68	27.0	0.0	
50	QPSK	1	1	26.02	25.93	26.08			
50	QPSK	1	135	26.22	26.36	26.22			
50	QPSK	1	268	26.08	26.10	26.07	26.0	1.0	
50	QPSK	135	0	25.89	25.85	25.84			
50	QPSK	135	68	25.61	26.33	25.75	27.0	0.0	
50	QPSK	135	135	25.94	25.92	25.98	26.0	1.0	
50	QPSK	270	0	25.93	26.05	25.88			
50	16QAM	1	1	24.73	24.66	24.62	26.0	1.0	
50	64QAM	1	1	23.27	23.24	23.24	24.5	2.5	
50	256QAM	1	1	22.03	22.02	22.01	22.5	4.5	
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	27.0	0.0	
40	QPSK	1	1	26.19	26.14	26.10			
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	27.0	0.0	
20	QPSK	1	1	26.16	26.19	26.26			
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	27.0	0.0	
15	QPSK	1	1	26.10	26.07	26.05			
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	27.0	0.0	
10	QPSK	1	1	26.52	26.47	26.42			

Par27Q n78_NSA Ant5 PC2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		27.0	0.0	
Frequency (MHz)					3500.01				
50	PI/2 BPSK	1	1		25.90		27.0	0.0	
50	PI/2 BPSK	1	135		26.09				
50	PI/2 BPSK	1	268		25.83				
50	PI/2 BPSK	135	0		26.27		26.5	0.5	
50	PI/2 BPSK	135	68		26.32		27.0	0.0	
50	PI/2 BPSK	135	135		26.25		26.5	0.5	
50	PI/2 BPSK	270	0		26.18				
50	QPSK	1	1		25.81				
50	QPSK	1	135		26.35		27.0	0.0	
50	QPSK	1	268		25.81				
50	QPSK	135	0		25.61		26.0	1.0	
50	QPSK	135	68		26.34		27.0	0.0	
50	QPSK	135	135		25.67		26.0	1.0	
50	QPSK	270	0		25.52				
50	16QAM	1	1		24.48		26.0	1.0	
50	64QAM	1	1		23.07		24.5	2.5	
50	256QAM	1	1		21.64		22.5	4.5	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	27.0	0.0	
40	QPSK	1	1	25.76	25.81	25.87			
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	27.0	0.0	
20	QPSK	1	1	25.91	25.93	25.98			
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	27.0	0.0	
15	QPSK	1	1	25.94	25.97	25.93			
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	27.0	0.0	
10	QPSK	1	1	25.93	25.88	25.83			

Par270 n77_NSA Ant8 PC3 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				648334	656000	663668	23.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	PI/2 BPSK	1	1	21.05	21.05	21.12		
50	PI/2 BPSK	1	135	21.27	21.33	21.26	22.5	0.5
50	PI/2 BPSK	1	268	21.06	21.09	21.15		
50	PI/2 BPSK	135	0	21.34	21.43	21.45		
50	PI/2 BPSK	135	68	21.32	21.44	21.42	22.5	0.5
50	PI/2 BPSK	135	135	21.44	21.35	21.25		
50	PI/2 BPSK	270	0	21.34	21.41	21.34		
50	QPSK	1	1	21.47	21.50	21.35	23.0	0.0
50	QPSK	1	135	21.31	21.34	21.33		
50	QPSK	1	268	21.16	21.08	21.10		
50	QPSK	135	0	21.41	21.40	21.46	22.0	1.0
50	QPSK	135	68	21.38	21.47	21.28		
50	QPSK	135	135	21.37	21.41	21.39		
50	QPSK	270	0	21.44	21.45	21.36	22.0	1.0
50	16QAM	1	1	20.45	20.35	20.27		
50	64QAM	1	1	20.39	20.33	20.22		
50	256QAM	1	1	19.54	19.56	19.45	20.0	3.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	23.0	0.0
40	QPSK	1	1	21.40	21.44	21.32	23.0	0.0
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.20	21.41	21.20	23.0	0.0
Channel				647168	656000	664834		
Frequency (MHz)				3707.62	3840	3972.61		
15	QPSK	1	1	21.44	21.30	21.21	23.0	0.0
Channel				647000	656000	665000		
Frequency (MHz)				3705	21.28	3975		
10	QPSK	1	1	21.36	21.30	21.33	23.0	0.0

Par27Q n77_NSA Ant8 PC3 Default power								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			23.0	0.0
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1	21.14				
50	PI/2 BPSK	1	135	20.93			22.5	0.5
50	PI/2 BPSK	1	268	21.10				
50	PI/2 BPSK	135	0	21.14				
50	PI/2 BPSK	135	68	21.12			23.0	0.0
50	PI/2 BPSK	135	135	21.15				
50	PI/2 BPSK	270	0	21.07				
50	QPSK	1	1	21.22			22.5	0.5
50	QPSK	1	135	20.86				
50	QPSK	1	268	21.06				
50	QPSK	135	0	21.17			23.0	0.0
50	QPSK	135	68	21.20				
50	QPSK	135	135	21.12				
50	QPSK	270	0	21.09			22.0	1.0
50	16QAM	1	1	20.60				
50	64QAM	1	1	20.19				
50	256QAM	1	1	19.32			20.5	2.5
							20.0	3.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98	23.0	0.0
40	QPSK	1	1	21.05	21.09	21.08	23.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.11	21.10	21.10	23.0	0.0
Channel				630500	633334	636166		
Frequency (MHz)				3457.5	3500.01	3542.49		
15	QPSK	1	1	21.11	21.08	21.11	23.0	0.0
Channel				630334	633334	636332		
Frequency (MHz)				3455.01	3500.01	3544.98		
10	QPSK	1	1	21.00	21.02	21.07	23.0	0.0

Par270 n78_NSA Ant8 PC3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	650000	651668	23.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	PI/2 BPSK	1	1	20.88	20.92	20.86	23.0	0.0	
50	PI/2 BPSK	1	135	21.39	21.28	21.26			
50	PI/2 BPSK	1	268	20.99	21.08	21.07			
50	PI/2 BPSK	135	0	21.39	21.27	21.31			
50	PI/2 BPSK	135	68	21.37	21.34	21.21	23.0	0.0	
50	PI/2 BPSK	135	135	21.26	21.32	21.24	22.5	0.5	
50	PI/2 BPSK	270	0	21.36	21.33	21.33			
50	QPSK	1	1	21.39	21.40	21.34	23.0	0.0	
50	QPSK	1	135	21.38	21.32	21.32			
50	QPSK	1	268	21.05	21.12	21.11			
50	QPSK	135	0	21.30	21.33	21.27		1.0	
50	QPSK	135	68	21.28	21.36	21.31	23.0	0.0	
50	QPSK	135	135	21.16	21.35	21.30	22.0	1.0	
50	QPSK	270	0	21.15	21.34	21.21			
50	16QAM	1	1	20.57	20.66	20.74	22.0	1.0	
50	64QAM	1	1	20.81	20.76	20.66	20.5	2.5	
50	256QAM	1	1	19.73	19.84	19.77	20.0	3.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	23.0	0.0	
40	QPSK	1	1	21.25	21.20	21.24			
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	23.0	0.0	
20	QPSK	1	1	21.24	21.33	21.25			
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	23.0	0.0	
15	QPSK	1	1	21.37	21.30	21.30			
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	23.0	0.0	
10	QPSK	1	1	21.21	21.18	21.35			

Par27Q n78_NSA Ant8 PC3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				631334	633334	635334	23.0	0.0	
Frequency (MHz)				3470.01	3500.01	3530.01			
50	PI/2 BPSK	1	1	21.20			23.0	0.0	
50	PI/2 BPSK	1	135	20.74					
50	PI/2 BPSK	1	268	20.40					
50	PI/2 BPSK	135	0	21.29					
50	PI/2 BPSK	135	68	21.24			23.0	0.0	
50	PI/2 BPSK	135	135	21.20			22.5	0.5	
50	PI/2 BPSK	270	0	21.29					
50	QPSK	1	1	21.34			23.0	0.0	
50	QPSK	1	135	20.69					
50	QPSK	1	268	20.38					
50	QPSK	135	0	21.31				1.0	
50	QPSK	135	68	21.32			23.0	0.0	
50	QPSK	135	135	21.24			22.0	1.0	
50	QPSK	270	0	21.24					
50	16QAM	1	1	20.23			22.0	1.0	
50	64QAM	1	1	20.26			20.5	2.5	
50	256QAM	1	1	19.39			20.0	3.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	23.0	0.0	
40	QPSK	1	1	21.24	21.23	21.23			
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	23.0	0.0	
20	QPSK	1	1	21.18	21.24	21.28			
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	23.0	0.0	
15	QPSK	1	1	21.24	21.11	21.29			
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	23.0	0.0	
10	QPSK	1	1	21.25	21.20	21.24			

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n5_SA&NSA Ant0 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	25.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	24.28	24.39	24.30			
20	PI/2 BPSK	1	26	24.39	24.45	24.39	25.0	0.5	
20	PI/2 BPSK	1	49	24.19	24.32	24.26			
20	PI/2 BPSK	25	0	23.98	24.05	23.91			
20	PI/2 BPSK	25	13	24.37	24.51	24.42	25.0	0.5	
20	PI/2 BPSK	25	26	23.91	23.98	23.86			
20	PI/2 BPSK	50	0	23.95	24.04	23.91			
20	QPSK	1	1	24.40	24.51	24.33	25.5	0.0	
20	QPSK	1	26	24.41	24.53	24.38			
20	QPSK	1	49	24.32	24.41	24.32			
20	QPSK	25	0	23.37	23.46	23.35	24.5	1.0	
20	QPSK	25	13	24.48	24.51	24.45			
20	QPSK	25	26	23.62	23.53	23.47			
20	QPSK	50	0	23.56	23.62	23.48	24.5	1.0	
20	16QAM	1	1	22.98	23.07	23.01			
20	64QAM	1	1	21.48	21.56	21.49			
20	256QAM	1	1	20.14	20.19	20.11	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	40	24.27	24.47	24.25	25.5	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	26	24.27	24.47	24.33	25.5	0.0	

n7_SA&NSA Ant0 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	24.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.35	23.42	23.30			
20	PI/2 BPSK	1	26	23.32	23.43	23.34	24.0	0.5	
20	PI/2 BPSK	1	49	23.29	23.40	23.29			
20	PI/2 BPSK	25	0	22.89	23.01	22.86			
20	PI/2 BPSK	25	13	23.38	23.48	23.36	24.0	0.5	
20	PI/2 BPSK	25	26	22.88	22.97	22.87			
20	PI/2 BPSK	50	0	22.93	23.01	22.89			
20	QPSK	1	1	23.51	23.63	23.54	24.5	0.0	
20	QPSK	1	26	23.52	23.68	23.56			
20	QPSK	1	49	23.31	23.41	23.26			
20	QPSK	25	0	22.37	22.51	22.41	23.5	1.0	
20	QPSK	25	13	23.58	23.62	23.53			
20	QPSK	25	26	22.46	22.42	22.34			
20	QPSK	50	0	22.64	22.67	22.62	23.5	1.0	
20	16QAM	1	1	22.15	22.29	22.24			
20	64QAM	1	1	20.67	20.76	20.68			
20	256QAM	1	1	19.16	19.24	19.18	20.0	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	23.43	23.53	23.48	24.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	23.42	23.57	23.48	24.5	0.0	



n38_SA&NSA Ant0 Default power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				518004	518000	518998				
Frequency (MHz)				2590.02	2595	2599.98				
40	Pi/2 BPSK	1	1	23.40	23.50	23.42	25.5	0.0		
40	Pi/2 BPSK	1	53	24.03	24.10	24.00				
40	Pi/2 BPSK	1	104	23.58	23.61	23.53				
40	Pi/2 BPSK	50	0	23.34	23.48	23.38	25.0		0.5	
40	Pi/2 BPSK	50	28	23.92	24.03	23.96	25.5		0.0	
40	Pi/2 BPSK	50	58	23.27	23.38	23.25	25.0	0.5		
40	Pi/2 BPSK	100	0	23.39	23.48	23.44				
40	QPSK	1	1	23.85	23.83	23.84				
40	QPSK	1	53	24.15	24.26	24.12	25.5		0.0	
40	QPSK	1	104	23.42	23.58	23.45				
40	QPSK	50	0	22.52	22.58	22.84	24.5		1.0	
40	QPSK	50	28	24.21	24.23	24.14	25.5		0.0	
40	QPSK	50	58	22.77	22.85	22.88	24.5		1.0	
40	QPSK	100	0	23.24	23.30	23.28				
40	16QAM	1	1	22.13	22.24	22.10	24.5		1.0	
40	64QAM	1	1	20.67	20.76	20.65	23.0		2.5	
40	256QAM	1	1	19.26	19.35	19.29	21.0		4.5	
Channel				518000	518000	522000	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2590	2595	2610				
20	QPSK	1	28	23.89	23.78	23.79	25.5		0.0	
Channel				515002	515000	522498	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49				
15	QPSK	1	19	23.83	23.79	23.81	25.5		0.0	
Channel				515004	518000	522998	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2578.02	2595	2614.98				
10	QPSK	1	12	23.81	23.83	23.85	25.5		0.0	

n41_SA&NSA Ant0 PC3 Default power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				505002	518598	533000				
Frequency (MHz)				2546.01	2592.99	2640				
100	Pi/2 BPSK	1	1	22.13	22.22	22.15	24.0	0.0		
100	Pi/2 BPSK	1	137	22.97	23.03	22.90				
100	Pi/2 BPSK	1	271	22.88	22.81	22.84				
100	Pi/2 BPSK	135	0	22.87	22.99	22.84	23.5			0.5
100	Pi/2 BPSK	135	69	22.98	23.05	22.96	24.0			0.0
100	Pi/2 BPSK	135	138	22.88	22.93	22.80	23.5	0.5		
100	Pi/2 BPSK	270	0	22.80	22.84	22.88				
100	QPSK	1	1	22.94	23.04	22.89				
100	QPSK	1	137	22.99	23.10	22.93	24.0		0.0	
100	QPSK	1	271	22.84	22.83	22.87				
100	QPSK	135	0	22.79	22.89	22.75	24.0		0.0	
100	QPSK	135	69	22.98	23.07	22.97	24.0		0.0	
100	QPSK	135	138	22.92	22.90	22.84	24.0		0.0	
100	QPSK	270	0	22.79	22.88	22.82				
100	16QAM	1	1	22.80	22.84	22.84	23.0		1.0	
100	64QAM	1	1	22.80	22.82	22.86	23.0		1.0	
100	256QAM	1	1	21.03	21.08	20.96	22.0		2.0	
Channel				508200	518598	528998	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98				
90	QPSK	1	123	22.18	22.30	22.25	24.0		0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99				
80	QPSK	1	109	22.16	22.32	22.19	24.0		0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98				
60	QPSK	1	81	22.20	22.27	22.27	24.0		0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99				
50	QPSK	1	67	22.21	22.31	22.34	24.0		0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670				
40	QPSK	1	53	22.19	22.36	22.21	24.0		0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98				
30	QPSK	1	39	22.21	22.27	22.26	24.0		0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99				
20	QPSK	1	26	22.17	22.30	22.19	24.0		0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685				
15	QPSK	1	19	22.18	22.28	22.24	24.0		0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501.01	2592.99	2685				
10	QPSK	1	12	22.23	22.26	22.27	24.0	0.0		

n41_SA&NSA Ant0 PC2 Default power											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				505002	518598	528998					
Frequency (MHz)				2548.01	2592.99	2640					
100	Pi/2 BPSK	1	1	24.65	24.79	24.73	26.5	0.0			
100	Pi/2 BPSK	1	137	24.80	24.82	24.86					
100	Pi/2 BPSK	1	271	24.55	24.68	24.58					
100	Pi/2 BPSK	135	0	25.00	25.03	24.99	26.0			0.5	
100	Pi/2 BPSK	135	69	24.91	25.03	24.97	26.5			0.0	
100	Pi/2 BPSK	135	138	24.98	25.06	25.00	26.0	0.5			
100	Pi/2 BPSK	270	0	24.95	25.06	24.97					
100	QPSK	1	1	24.70	25.01	24.83					
100	QPSK	1	137	24.74	25.08	24.85	26.5			0.0	
100	QPSK	1	271	24.89	24.56	24.99					
100	QPSK	135	0	24.92	24.94	24.83	25.5			1.0	
100	QPSK	135	69	24.83	24.97	24.84	26.5			0.0	
100	QPSK	135	138	24.77	24.72	24.59	25.5			1.0	
100	QPSK	270	0	24.53	24.65	24.54					
100	16QAM	1	1	23.88	23.81	23.81	25.5			1.0	
100	64QAM	1	1	22.86	22.82	22.81	24.0			2.5	
100	256QAM	1	1	21.50	21.63	21.55	22.0			4.5	
Channel				506000	518598	528998	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2541 <th>2592.99<th>2644.98</th><th></th><th colspan="2"></th></th>	2592.99 <th>2644.98</th> <th></th> <th colspan="2"></th>	2644.98					
90	QPSK	1	123	24.85	24.90	24.80	26.5			0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2536.02 <th>2592.99<th>2649.99</th><th></th><th colspan="2"></th></th>	2592.99 <th>2649.99</th> <th></th> <th colspan="2"></th>	2649.99					
80	QPSK	1	109	24.79	24.88	24.87	26.5			0.0	
Channel				508200	518598	531998	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2526	2592.99 <th>2659.98</th> <th></th> <th colspan="2"></th>	2659.98					
60	QPSK	1	81	24.77	24.92	24.81	26.5			0.0	
Channel				509404	518598	532998	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2521.02 <th>2592.99<th>2664.99</th><th></th><th colspan="2"></th></th>	2592.99 <th>2664.99</th> <th></th> <th colspan="2"></th>	2664.99					
50	QPSK	1	67	24.85	24.85	24.85	26.5			0.0	
Channel				510202	518598	534000	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2516.01	2592.99 <th>2670</th> <th></th> <th colspan="2"></th>	2670					
40	QPSK	1	53	24.83	24.87	24.78	26.5			0.0	
Channel				511200	518598	534998	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2511	2592.99 <th>2674.98</th> <th></th> <th colspan="2"></th>	2674.98					
30	QPSK	1	39	24.79	24.83	24.85	26.5			0.0	
Channel				512204	518598	535998	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2506.02	2592.99 <th>2679.99</th> <th></th> <th colspan="2"></th>	2679.99					
20	QPSK	1	26	24.78	24.88	24.87	26.5			0.0	
Channel				513000	518598	536998	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2501.01	2592.99 <th>2684.98</th> <th></th> <th colspan="2"></th>	2684.98					
15	QPSK	1	19	24.65	24.91	24.83	26.5	0.0			
Channel				514002	518598	537000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2501.01	2592.99 <th>2685<th></th><th colspan="2"></th></th>	2685 <th></th> <th colspan="2"></th>					
10	QPSK	1	12	24.78	24.85	24.84	26.5	0.0			

n66_SA&NSA Ant1 Default power								
BW [MHz]	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	24.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.22	23.32	23.20	24.5	0.0
40	PI/2 BPSK	1	53	23.36	23.47	23.33		
40	PI/2 BPSK	1	104	23.27	23.34	23.17		
40	PI/2 BPSK	50	0	22.99	23.11	23.05	24.0	0.5
40	PI/2 BPSK	50	28	23.36	23.46	23.38	24.5	0.0
40	PI/2 BPSK	50	56	22.92	23.06	22.99	24.0	0.5
40	PI/2 BPSK	100	0	22.98	23.08	23.00		
40	QPSK	1	1	23.32	23.45	23.40	24.5	0.0
40	QPSK	1	53	23.36	23.49	23.41		
40	QPSK	1	104	23.14	23.26	23.21		
40	QPSK	50	0	22.33	22.53	22.39	23.5	1.0
40	QPSK	50	28	23.39	23.44	23.43	24.5	0.0
40	QPSK	50	56	22.38	22.52	22.46	23.5	1.0
40	QPSK	100	0	22.31	22.41	22.36		
40	16QAM	1	1	22.13	22.26	22.18	23.5	1.0
40	64QAM	1	1	20.54	20.59	20.52	22.0	2.5
40	256QAM	1	1	19.08	19.16	19.01	20.0	4.5
Channel				345000	349000	353000	24.5	0.0
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	23.30	23.39	23.34	24.5	0.0
Channel				344500	349000	353500	24.5	0.0
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	67	23.21	23.33	23.28	24.5	0.0
Channel				344000	349000	354000	24.5	0.0
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	26	23.19	23.32	23.27	24.5	0.0
Channel				343500	349000	354500	24.5	0.0
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	19	23.25	23.32	23.35	24.5	0.0
Channel				343000	349000	355000	24.5	0.0
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	12	23.27	23.43	23.29	24.5	0.0

Part270 n77_NSA Ant1 PC3 Default power									
BW [MHz]	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	23.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.43	20.53	20.41			
100	PI/2 BPSK	1	137	21.61	21.79	21.79			
100	PI/2 BPSK	1	271	20.69	20.77	20.61	23.0	0.0	
100	PI/2 BPSK	135	0	21.28	21.37	21.20			
100	PI/2 BPSK	135	69	21.54	21.60	21.46			
100	PI/2 BPSK	135	138	21.42	21.51	21.41			
100	PI/2 BPSK	270	0	21.33	21.40	21.23	23.0	0.0	
100	QPSK	1	1	20.55	20.72	20.68			
100	QPSK	1	137	21.83	21.85	21.83			
100	QPSK	1	271	20.74	20.82	20.62			
100	QPSK	135	0	21.18	21.30	21.34	23.0	0.0	
100	QPSK	135	69	21.68	21.79	21.73			
100	QPSK	135	138	21.37	21.49	21.28			
100	QPSK	270	0	21.38	21.65	21.57			
100	16QAM	1	1	20.22	20.32	20.18	23.0	0.0	
100	64QAM	1	1	20.15	20.21	20.05			
100	256QAM	1	1	19.87	19.89	19.83	21.5	1.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	20.96	21.11	21.09	23.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	20.90	21.08	21.08	23.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	95	20.86	21.02	21.05	23.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	20.95	21.08	21.08	23.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	20.92	21.10	21.08	23.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	20.87	21.09	20.99	23.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	20.88	21.13	20.98	23.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	20.92	21.04	21.05	23.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	20.87	21.06	21.06	23.0	0.0	

Par27Q n77_NSA Ant1 PC3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		20.08		23.0	0.0	
100	PI/2 BPSK	1	137		21.25				
100	PI/2 BPSK	1	271		20.36				
100	PI/2 BPSK	135	0		21.02				
100	PI/2 BPSK	135	69		21.26		23.0	0.0	
100	PI/2 BPSK	135	138		21.25		23.0	0.0	
100	PI/2 BPSK	270	0		21.09				
100	QPSK	1	1		20.31		23.0	0.0	
100	QPSK	1	137		21.45				
100	QPSK	1	271		20.42				
100	QPSK	135	0		21.01			23.0	0.0
100	QPSK	135	69		21.34		23.0	0.0	
100	QPSK	135	138		21.21		23.0	0.0	
100	QPSK	270	0		21.12				
100	16QAM	1	1		19.95		23.0	0.0	
100	64QAM	1	1		19.99		23.0	0.0	
100	256QAM	1	1		19.04		21.5	1.5	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	21.18	21.20	21.22	23.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	21.26	21.21	21.24	23.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	21.21	21.22	21.16	23.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	21.15	21.20	21.26	23.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	21.19	21.18	21.23	23.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	21.14	21.20	21.25	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	21.20	21.21	21.20	23.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	21.14	21.21	21.18	23.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	21.15	21.16	21.23	23.0	0.0	

Part270 n78_NSA Ant1 PC3 Default power									
BW [MHz]	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	PI/2 BPSK	1	1		20.46		23.0	0.0	
100	PI/2 BPSK	1	137		21.45				
100	PI/2 BPSK	1	271		21.16				
100	PI/2 BPSK	135	0		21.33		23.0	0.0	
100	PI/2 BPSK	135	69		21.57		23.0	0.0	
100	PI/2 BPSK	135	138		21.42		23.0	0.0	
100	PI/2 BPSK	270	0		21.35				
100	QPSK	1	1		21.61				
100	QPSK	1	137		21.65		23.0	0.0	
100	QPSK	1	271		21.31				
100	QPSK	135	0		21.38		23.0	0.0	
100	QPSK	135	69		21.53		23.0	0.0	
100	QPSK	135	138		21.45		23.0	0.0	
100	QPSK	270	0		21.34				
100	16QAM	1	1		21.33		23.0	0.0	
100	64QAM	1	1		21.36		23.0	0.0	
100	256QAM	1	1		19.86		21.5	1.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123	21.30	21.25	21.25	23.0	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109	21.28	21.27	21.29	23.0	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95	21.27	21.24	21.25	23.0	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81	21.29	21.32	21.27	23.0	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67	21.31	21.33	21.25	23.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	21.24	21.36	21.31	23.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	21.32	21.29	21.29	23.0	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	21.25	21.30	21.34	23.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	21.28	21.31	21.32	23.0	0.0	

Par27Q n78_NSA Ant1 PC3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		20.56		23.0	0.0	
100	PI/2 BPSK	1	137		21.13				
100	PI/2 BPSK	1	271		20.89				
100	PI/2 BPSK	135	0		21.14		23.0	0.0	
100	PI/2 BPSK	135	69		21.18		23.0	0.0	
100	PI/2 BPSK	135	138		21.17		23.0	0.0	
100	PI/2 BPSK	270	0		21.19				
100	QPSK	1	1		20.37				
100	QPSK	1	137		21.26		23.0	0.0	
100	QPSK	1	271		20.46				
100	QPSK	135	0		21.15		23.0	0.0	
100	QPSK	135	69		21.25		23.0	0.0	
100	QPSK	135	138		21.19		23.0	0.0	
100	QPSK	270	0		21.12				
100	16QAM	1	1		19.95		23.0	0.0	
100	64QAM	1	1		19.90		23.0	0.0	
100	256QAM	1	1		19.10		21.5	1.5	
Channel				633000	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)	
90	QPSK	1	123	21.08	21.19	21.15	23.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	21.10	21.20	21.13	23.0	0.0	
Channel				632334	633334	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)	
70	QPSK	1	95	21.11	21.19	21.11	23.0	0.0	
Channel				632000	633334	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)	
60	QPSK	1	81	21.18	21.17	21.10	23.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	21.13	21.17	21.18	23.0	0.0	
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	QPSK	1	53	21.19	21.13	21.09	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	21.17	21.16	21.13	23.0	0.0	
Channel				630500	633334	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	QPSK	1	19	21.15	21.11	21.19	23.0	0.0	
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	12	21.19	21.11	21.14	23.0	0.0	

n7_SA&NSA Ant2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.12	23.24	23.11	24.5	0.0	
20	PI/2 BPSK	1	26	23.22	23.30	23.17			
20	PI/2 BPSK	1	49	23.14	23.28	23.16			
20	PI/2 BPSK	1	0	22.75	22.87	22.76			
20	PI/2 BPSK	25	0	22.75	22.87	22.76	24.0	0.5	
20	PI/2 BPSK	25	13	23.26	23.32	23.27	24.5	0.0	
20	PI/2 BPSK	25	26	22.70	22.84	22.77	24.0	0.5	
20	PI/2 BPSK	50	0	22.79	22.91	22.83			
20	QPSK	1	1	23.08	23.32	23.20			
20	QPSK	1	26	23.13	23.36	23.24			
20	QPSK	1	49	23.18	23.27	23.20	23.5	1.0	
20	QPSK	25	0	22.28	22.40	22.29			
20	QPSK	25	13	23.09	23.23	23.22			
20	QPSK	25	26	22.26	22.33	22.21			
20	QPSK	50	0	22.06	22.22	22.18	23.5	1.0	
20	16QAM	1	1	22.20	22.21	22.17	23.5	1.0	
20	64QAM	1	1	20.85	20.83	20.87	22.0	2.5	
20	256QAM	1	1	18.87	18.96	18.87	20.0	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	23.03	23.27	23.16	24.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	23.02	23.22	23.13	24.5	0.0	

n66_SA&NSA Ant2 Default power									
BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.57	22.65	22.52	24.5	0.0	
40	PI/2 BPSK	1	53	23.18	23.27	23.22			
40	PI/2 BPSK	1	104	22.76	22.90	22.80			
40	PI/2 BPSK	50	0	22.39	22.53	22.46			
40	PI/2 BPSK	50	28	23.07	23.17	23.03	24.5	0.0	
40	PI/2 BPSK	50	56	22.33	22.47	22.32	24.0	0.5	
40	PI/2 BPSK	100	0	22.45	22.58	22.51			
40	QPSK	1	1	22.74	22.73	22.77			
40	QPSK	1	53	23.25	23.34	23.26			
40	QPSK	1	104	22.67	22.80	22.67	23.5	1.0	
40	QPSK	50	0	22.00	22.14	22.02			
40	QPSK	50	28	23.18	23.29	23.20			
40	QPSK	50	56	21.93	21.99	21.88			
40	QPSK	100	0	22.10	22.23	22.18	23.5	1.0	
40	16QAM	1	1	22.42	22.54	22.40	23.5	1.0	
40	64QAM	1	1	20.89	20.99	20.91	22.0	2.5	
40	256QAM	1	1	18.50	18.56	18.47	20.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	39	23.09	23.01	23.10	24.5	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	32	23.09	23.09	23.06	24.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	26	23.05	23.02	23.09	24.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	19	23.04	23.09	23.08	24.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	12	23.03	23.06	23.06	24.5	0.0	

n38_SA&NSA Ant2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	24.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.08	23.21	23.12			
40	PI/2 BPSK	1	53	23.90	23.96	23.88	24.0	0.5	
40	PI/2 BPSK	1	104	23.17	23.25	23.14			
40	PI/2 BPSK	50	0	23.33	23.46	23.40			
40	PI/2 BPSK	50	28	23.90	23.99	23.92	24.5	0.0	
40	PI/2 BPSK	50	56	23.25	23.38	23.31	24.0		
40	PI/2 BPSK	100	0	23.40	23.49	23.34			
40	QPSK	1	1	23.00	23.12	22.99		24.5	0.0
40	QPSK	1	53	23.86	24.06	23.91			
40	QPSK	1	104	22.94	23.08	22.93			
40	QPSK	50	0	22.79	22.86	22.74	23.5	1.0	
40	QPSK	50	28	23.95	24.02	23.89	24.5		
40	QPSK	50	56	22.71	22.77	22.71	23.5		
40	QPSK	100	0	22.77	22.82	22.69		24.5	
40	16QAM	1	1	21.62	21.71	21.65		23.5	1.0
40	64QAM	1	1	20.59	20.72	20.57	22.0		
40	256QAM	1	1	19.23	19.31	19.17	20.0		
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	24.5	0.0	
20	QPSK	1	26	23.13	23.34	23.27	24.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	24.5	0.0	
15	QPSK	1	19	23.16	23.35	23.25	24.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	24.5	0.0	
10	QPSK	1	12	23.17	23.35	23.19	24.5	0.0	

n41_SA&NSA Ant2 PC3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.73	22.72	22.70	24.5		0.0
100	PI/2 BPSK	1	137	23.18	23.12	23.16			
100	PI/2 BPSK	1	271	23.10	23.05	23.00			
100	PI/2 BPSK	135	0	23.10	23.08	23.08	24.5		0.0
100	PI/2 BPSK	135	69	23.07	23.13	23.12	24.5		0.0
100	PI/2 BPSK	135	138	23.23	23.17	23.24	24.5		0.0
100	PI/2 BPSK	270	0	23.25	23.19	23.25			
100	QPSK	1	1	23.01	22.99	23.06			
100	QPSK	1	137	23.34	23.43	23.36	24.5		0.0
100	QPSK	1	271	23.06	23.01	23.02			
100	QPSK	135	0	23.11	23.26	23.17			
100	QPSK	135	69	23.21	23.27	22.93	24.5		0.0
100	QPSK	135	138	23.26	23.24	23.23	24.5		0.0
100	QPSK	270	0	23.21	23.26	23.08			
100	16QAM	1	1	22.75	22.76	22.76			
100	64QAM	1	1	22.69	22.73	22.75	24.5		0.0
100	256QAM	1	1	22.31	22.24	22.20	23.0	1.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	24.5		0.0
90	QPSK	1	123	23.10	23.23	23.08	24.5		0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	24.5		0.0
80	QPSK	1	109	23.13	23.17	23.18	24.5		0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	24.5		0.0
60	QPSK	1	81	23.31	23.36	23.34	24.5		0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	24.5		0.0
50	QPSK	1	67	23.37	23.33	23.36	24.5		0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	24.5		0.0
40	QPSK	1	53	23.34	23.33	23.34	24.5		0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	24.5		0.0
30	QPSK	1	39	23.32	23.37	23.31	24.5		0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	24.5		0.0
20	QPSK	1	26	23.36	23.33	23.36	24.5		0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	24.5		0.0
15	QPSK	1	19	23.37	23.28	23.34	24.5		0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	24.5		0.0
10	QPSK	1	12	23.37	23.36	23.37	24.5		0.0

Part270 n77_SA&NSA Ant3 PC3 Default power									
BW [MHz]	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	24.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.37	22.48	22.32			
100	PI/2 BPSK	1	137	23.48	23.64	23.50	24.5	0.0	
100	PI/2 BPSK	1	271	22.55	22.63	22.57			
100	PI/2 BPSK	135	0	23.26	23.41	23.34			
100	PI/2 BPSK	135	69	23.43	23.59	23.47	24.5	0.0	
100	PI/2 BPSK	135	138	23.33	23.48	23.38			
100	PI/2 BPSK	270	0	23.38	23.47	23.36			
100	QPSK	1	1	22.34	22.62	22.45	24.5	0.0	
100	QPSK	1	137	22.53	23.66	23.59			
100	QPSK	1	271	22.49	22.60	22.44			
100	QPSK	135	0	23.33	23.39	23.27	24.5	0.0	
100	QPSK	135	69	23.46	23.61	23.56			
100	QPSK	135	138	23.34	23.43	23.47			
100	QPSK	270	0	23.35	23.48	23.39	24.5	0.0	
100	16QAM	1	1	23.53	23.52	23.58			
100	64QAM	1	1	23.64	23.61	23.55			
100	256QAM	1	1	21.72	21.76	21.78	23.0	1.5	
Channel				649668	656000	662334	24.5	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	23.21	23.50	23.33		0.0	
Channel				649334	656000	662668	24.5	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	23.19	23.52	23.34		0.0	
Channel				649000	656000	663000	24.5	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	95	23.28	23.50	23.30		0.0	
Channel				648668	656000	663334	24.5	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	23.17	23.49	23.34		0.0	
Channel				648334	656000	663668	24.5	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	23.27	23.55	23.30		0.0	
Channel				648000	656000	664000	24.5	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	23.22	23.50	23.31		0.0	
Channel				647334	656000	664668	24.5	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	23.28	23.54	23.35		0.0	
Channel				647168	656000	664834	24.5	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	23.24	23.49	23.37		0.0	
Channel				647000	656000	665000	24.5	0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	23.17	23.47	23.40		0.0	

Par27Q n77_NSA Ant3 PC3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		24.5	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		22.18				
100	PI/2 BPSK	1	137		23.11		24.5	0.0	
100	PI/2 BPSK	1	271		22.16				
100	PI/2 BPSK	135	0		23.00			0.0	
100	PI/2 BPSK	135	69		23.09		24.5	0.0	
100	PI/2 BPSK	135	138		23.04				
100	PI/2 BPSK	270	0		23.01			0.0	
100	QPSK	1	1		22.17		24.5	0.0	
100	QPSK	1	137		23.42				
100	QPSK	1	271		22.10				
100	QPSK	135	0		22.95		24.5	0.0	
100	QPSK	135	69		23.19				
100	QPSK	135	138		22.98			0.0	
100	QPSK	270	0		23.04		24.5	0.0	
100	16QAM	1	1		23.12				
100	64QAM	1	1		23.12			0.0	
100	256QAM	1	1		21.77		23.0	1.5	
Channel				633000	633334	633666	24.5	0.0	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	23.20	23.09	23.13		0.0	
Channel				632668	633334	634000	24.5	0.0	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	23.19	23.15	23.18		0.0	
Channel				632334	633334	634332	24.5	0.0	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	23.12	23.16	23.14		0.0	
Channel				632000	633334	634666	24.5	0.0	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	23.20	23.19	23.19		0.0	
Channel				631668	633334	635000	24.5	0.0	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	23.09	23.15	23.19		0.0	
Channel				631334	633334	635332	24.5	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	23.16	23.08	23.14		0.0	
Channel				630668	633334	636000	24.5	0.0	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	23.18	23.16	23.15		0.0	
Channel				630500	633334	636166	24.5	0.0	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	23.15	23.15	23.13		0.0	
Channel				630334	633334	636332	24.5	0.0	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	23.14	23.16	23.12		0.0	

Part270 n77_SA&NSA Ant3 PC2 Default power									
BW [MHz]	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	27.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	25.27	25.36	25.34			
100	PI/2 BPSK	1	137	26.13	26.23	26.10	26.5	0.5	
100	PI/2 BPSK	1	271	25.18	25.32	25.22			
100	PI/2 BPSK	135	0	26.04	26.08	26.03			
100	PI/2 BPSK	135	69	26.22	26.28	26.24	27.0	0.0	
100	PI/2 BPSK	135	138	25.99	26.13	26.02	26.5	0.5	
100	PI/2 BPSK	270	0	25.98	26.07	26.00			
100	QPSK	1	1	25.38	25.51	25.46			
100	QPSK	1	137	26.33	26.57	26.36	27.0	0.0	
100	QPSK	1	271	25.22	25.28	25.18	26.0	1.0	
100	QPSK	135	0	25.46	25.54	25.42			
100	QPSK	135	69	26.29	26.32	26.27	27.0	0.0	
100	QPSK	135	138	25.46	25.55	25.62	26.0	1.0	
100	QPSK	270	0	25.36	25.62	25.54			
100	16QAM	1	1	25.73	25.78	25.70	26.0	1.0	
100	64QAM	1	1	23.71	23.74	23.72	24.5	2.5	
100	256QAM	1	1	21.72	21.86	21.80	22.5	4.5	
Channel				649668	656000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	123	26.18	26.28	26.27	27.0	0.0	
Channel				649334	656000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	109	26.21	26.28	26.26	27.0	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	95	26.19	26.27	26.30	27.0	0.0	
Channel				648668	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	81	26.18	26.25	26.21	27.0	0.0	
Channel				648334	656000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	67	26.15	26.25	26.26	27.0	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	53	26.23	26.28	26.29	27.0	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	26	26.14	26.28	26.29	27.0	0.0	
Channel				647168	656000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	19	26.16	26.33	26.25	27.0	0.0	
Channel				647000	656000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	12	26.16	26.29	26.22	27.0	0.0	

Par27Q n77_NSA Ant3 PC2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq	Power Middle Ch. 2 Freq	Power High Ch. 3 Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			27.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	25.11					
100	PI/2 BPSK	1	137	25.53			26.5	0.5	
100	PI/2 BPSK	1	271	25.12					
100	PI/2 BPSK	135	0	25.46					
100	PI/2 BPSK	135	69	26.16			27.0	0.0	
100	PI/2 BPSK	135	138	25.52			26.5	0.5	
100	PI/2 BPSK	270	0	25.47					
100	QPSK	1	1	25.03					
100	QPSK	1	137	26.33			27.0	0.0	
100	QPSK	1	271	25.15			26.0	1.0	
100	QPSK	135	0	24.84					
100	QPSK	135	69	26.20			27.0	0.0	
100	QPSK	135	138	24.91			26.0	1.0	
100	QPSK	270	0	24.86					
100	16QAM	1	1	24.75			26.0	1.0	
100	64QAM	1	1	23.78			24.5	2.5	
100	256QAM	1	1	21.83			22.5	4.5	
Channel				633000	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)	
90	QPSK	1	123	26.02	26.08	26.11	27.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	26.11	26.04	26.10	27.0	0.0	
Channel				632334	633334	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)	
70	QPSK	1	95	26.04	26.03	26.05	27.0	0.0	
Channel				632000	633334	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)	
60	QPSK	1	81	26.07	26.11	26.10	27.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	26.02	26.11	26.12	27.0	0.0	
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	QPSK	1	53	26.10	26.02	26.13	27.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	26.12	26.11	26.05	27.0	0.0	
Channel				630500	633334	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	QPSK	1	19	26.11	26.12	26.09	27.0	0.0	
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	12	26.12	26.09	26.04	27.0	0.0	

Part270 n78_SA&NSA Ant3 PC3 Default power									
BW [MHz]	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			24.5	0.0	
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	22.46			24.5	0.0	
100	PI/2 BPSK	1	137	23.46					
100	PI/2 BPSK	1	271	22.87					
100	PI/2 BPSK	135	0	23.36			24.5	0.0	
100	PI/2 BPSK	135	69	23.61			24.5	0.0	
100	PI/2 BPSK	135	138	23.51			24.5	0.0	
100	PI/2 BPSK	270	0	23.45			24.5	0.0	
100	QPSK	1	1	22.47			24.5	0.0	
100	QPSK	1	137	23.63					
100	QPSK	1	271	22.84					
100	QPSK	135	0	23.31			24.5	0.0	
100	QPSK	135	69	23.62			24.5	0.0	
100	QPSK	135	138	23.44			24.5	0.0	
100	QPSK	270	0	23.48			24.5	0.0	
100	16QAM	1	1	22.19			24.5	0.0	
100	64QAM	1	1	22.28			24.5	0.0	
100	256QAM	1	1	21.32			23.0	1.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123	23.46	23.37	23.35	24.5	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109	23.37	23.34	23.41	24.5	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95	23.44	23.41	23.46	24.5	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81	23.38	23.36	23.41	24.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67	23.39	23.38	23.40	24.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	23.35	23.39	23.42	24.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	23.40	23.44	23.40	24.5	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	23.35	23.40	23.42	24.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	23.34	23.43	23.35	24.5	0.0	

Par27Q n78_NSA Ant3 PC3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	22.43			24.5		0.0
100	PI/2 BPSK	1	137	23.32					
100	PI/2 BPSK	1	271	22.49					
100	PI/2 BPSK	135	0	23.32			24.5		0.0
100	PI/2 BPSK	135	69	23.36			24.5		0.0
100	PI/2 BPSK	135	138	23.23			24.5		0.0
100	PI/2 BPSK	270	0	23.33					
100	QPSK	1	1	22.47			24.5		0.0
100	QPSK	1	137	23.38					
100	QPSK	1	271	22.52					
100	QPSK	135	0	23.32			24.5		0.0
100	QPSK	135	69	23.33			24.5		0.0
100	QPSK	135	138	23.29			24.5		0.0
100	QPSK	270	0	23.27			24.5		0.0
100	16QAM	1	1	22.29			24.5		0.0
100	64QAM	1	1	22.27			24.5		0.0
100	256QAM	1	1	21.39			23.0		1.5
Channel				633000	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)	
90	QPSK	1	123	23.32	23.24	23.32	24.5	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	23.29	23.25	23.28	24.5	0.0	
Channel				632334	633334	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)	
70	QPSK	1	95	23.24	23.24	23.23	24.5	0.0	
Channel				632000	633334	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)	
60	QPSK	1	81	23.26	23.24	23.23	24.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	23.30	23.31	23.30	24.5	0.0	
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	QPSK	1	53	23.23	23.30	23.32	24.5	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	23.27	23.30	23.29	24.5	0.0	
Channel				630500	633334	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	QPSK	1	19	23.25	23.33	23.23	24.5	0.0	
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	12	23.31	23.24	23.27	24.5	0.0	

Part270 n78_SA&NSA Ant3 PC2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 / Epre	Power Middle Ch. 1 / Epre	Power High Ch. 1 / Epre	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		25.32		27.0		0.0
100	PI/2 BPSK	1	137		26.38				
100	PI/2 BPSK	1	271		25.83				
100	PI/2 BPSK	135	0		25.75		26.5		0.5
100	PI/2 BPSK	135	69		26.43		27.0		0.0
100	PI/2 BPSK	135	138		25.93		26.5		0.5
100	PI/2 BPSK	270	0		25.85				
100	QPSK	1	1		25.32		27.0		0.0
100	QPSK	1	137		26.49				
100	QPSK	1	271		25.46				
100	QPSK	135	0		25.44		26.0		1.0
100	QPSK	135	69		26.47		27.0		0.0
100	QPSK	135	138		25.61		26.0		1.0
100	QPSK	270	0		25.29				
100	16QAM	1	1		24.18		26.0		1.0
100	64QAM	1	1		22.73		24.5		2.5
100	256QAM	1	1		21.34		22.5		4.5
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123	26.38	26.34	26.28	27.0	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109	26.35	26.33	26.36	27.0	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95	26.33	26.38	26.36	27.0	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81	26.34	26.28	26.35	27.0	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67	26.37	26.32	26.35	27.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	26.28	26.31	26.32	27.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	26.34	26.28	26.37	27.0	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	26.33	26.37	26.36	27.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	26.36	26.37	26.36	27.0	0.0	

Par27Q n78_NSA Ant3 PC2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 / Epre	Power Middle Ch. 1 / Epre 633334	Power High Ch. 1 / Epre	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)						3500.01			
100	PI/2 BPSK	1	1		26.12		27.0	0.0	
100	PI/2 BPSK	1	137		26.27				
100	PI/2 BPSK	1	271		26.10				
100	PI/2 BPSK	135	0		25.85		26.5	0.5	
100	PI/2 BPSK	135	69		26.14		27.0	0.0	
100	PI/2 BPSK	135	138		25.82		26.5	0.5	
100	PI/2 BPSK	270	0		25.78				
100	QPSK	1	1		26.06		27.0	0.0	
100	QPSK	1	137		26.29				
100	QPSK	1	271		26.03				
100	QPSK	135	0		25.24		26.0	1.0	
100	QPSK	135	69		26.18		27.0	0.0	
100	QPSK	135	138		25.27		26.0	1.0	
100	QPSK	270	0		25.20				
100	16QAM	1	1		24.18		26.0	1.0	
100	64QAM	1	1		22.69		24.5	2.5	
100	256QAM	1	1		21.23		22.5	4.5	
Channel				633000	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)	
90	QPSK	1	123	26.16	26.12	26.10	27.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	26.16	26.10	26.05	27.0	0.0	
Channel				632334	633334	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)	
70	QPSK	1	95	26.06	26.06	26.05	27.0	0.0	
Channel				632000	633334	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)	
60	QPSK	1	81	26.18	26.14	26.11	27.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	25.98	26.03	25.99	27.0	0.0	
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	QPSK	1	53	25.96	25.94	26.01	27.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	26.01	25.96	26.03	27.0	0.0	
Channel				630500	633334	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	QPSK	1	19	26.01	25.98	25.97	27.0	0.0	
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	12	26.00	25.95	25.98	27.0	0.0	

n5_SA&NSA Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166500	167000	167500	24.5	0.0	
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	23.57	23.71	23.60	24.5	0.0	
20	Pl2 BPSK	1	26	23.67	23.77	23.72			
20	Pl2 BPSK	1	49	23.52	23.66	23.52			
20	Pl2 BPSK	25	0	23.37	23.49	23.38		24.0	0.5
20	Pl2 BPSK	25	13	23.79	23.86	23.74	24.5	0.0	
20	Pl2 BPSK	25	26	23.27	23.33	23.19	24.0	0.5	
20	Pl2 BPSK	50	0	23.30	23.43	23.30	24.5	0.0	
20	QPSK	1	1	23.82	23.93	23.85			
20	QPSK	1	26	23.83	23.96	23.87			
20	QPSK	1	49	23.56	23.69	23.54			
20	QPSK	25	0	22.82	22.96	22.85	23.5	1.0	
20	QPSK	25	13	23.69	23.92	23.86	24.5	0.0	
20	QPSK	25	26	22.69	22.85	22.78	23.5	1.0	
20	QPSK	50	0	22.97	23.04	22.93	23.5	1.0	
20	16QAM	1	1	22.26	22.38	22.21			
20	64QAM	1	1	20.87	20.94	20.80			
20	256QAM	1	1	19.41	19.44	19.42			
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.5 <td colspan="2">0.0</td>	0.0	
15	QPSK	1	19	23.71	23.83	23.72	24.5	0.0	
Channel				155100	157300	160500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.5 <td colspan="2">0.0</td>	0.0	
10	QPSK	1	12	23.76	23.90	23.78	24.5	0.0	

n7_SA&NSA Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	23.5	0.0	
Frequency (MHz)				2610	2635	2660			
20	Pl2 BPSK	1	1	22.68	22.82	22.71	23.5	0.0	
20	Pl2 BPSK	1	26	22.72	22.81	22.68			
20	Pl2 BPSK	1	49	22.63	22.74	22.67			
20	Pl2 BPSK	25	0	22.15	22.25	22.15		23.0 0.5	
20	Pl2 BPSK	25	13	22.63	22.73	22.60	23.5	0.0	
20	Pl2 BPSK	25	26	22.11	22.22	22.14	23.0	0.5	
20	Pl2 BPSK	50	0	22.03	22.16	22.06	23.5	0.0	
20	QPSK	1	1	22.94	23.02	22.99			
20	QPSK	1	26	23.02	23.06	22.93			
20	QPSK	1	49	22.44	22.58	22.48			
20	QPSK	25	0	21.59	21.72	21.61	22.5	1.0	
20	QPSK	25	13	22.98	23.02	22.92	23.5	0.0	
20	QPSK	25	26	21.82	21.64	21.73	22.5	1.0	
20	QPSK	50	0	21.98	22.09	22.04	22.5	1.0	
20	16QAM	1	1	21.22	21.28	21.20			
20	64QAM	1	1	19.76	19.81	19.70			
20	256QAM	1	1	18.29	18.35	18.22			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2607.5	2635	2662.5	23.5	0.0	
15	QPSK	1	19	22.74	22.90	22.80	23.5	0.0	
Channel				531000	532000	533000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2605	2635	2665	23.5	0.0	
10	QPSK	1	12	22.72	22.88	22.77	23.5	0.0	

n66_SA&NSA Ant4 Default power									
BW [MHz]	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	23.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	22.42	22.57	22.48	23.5	0.0	
40	Pl2 BPSK	1	53	22.99	23.07	22.94			
40	Pl2 BPSK	1	104	22.71	22.81	22.73			
40	Pl2 BPSK	50	0	22.19	22.34	22.24			
40	Pl2 BPSK	50	26	22.95	23.06	22.96	23.5	0.5	
40	Pl2 BPSK	50	56	22.24	22.32	22.21	23.0	0.5	
40	Pl2 BPSK	100	0	22.27	22.41	22.34	23.5	0.0	
40	QPSK	1	1	22.44	22.59	22.47			
40	QPSK	1	53	22.94	23.14	22.99			
40	QPSK	1	104	22.53	22.66	22.56			
40	QPSK	50	0	22.22	22.30	22.18	22.5	1.0	
40	QPSK	50	26	23.07	23.10	23.09	23.5	0.0	
40	QPSK	50	56	22.17	22.23	22.11	22.5	1.0	
40	QPSK	100	0	22.08	22.09	22.02	21.0	2.5	
40	16QAM	1	1	21.33	21.46	21.38			
40	64QAM	1	1	19.90	19.97	19.88			
40	256QAM	1	1	18.45	18.51	18.40			
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	23.5	0.0	
30	QPSK	1	39	23.11	23.21	23.13	23.5	0.0	
Channel				341000	345000	349000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	23.5	0.0	
25	QPSK	1	32	23.09	23.23	23.16	23.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722	1745	1770	23.5	0.0	
20	QPSK	1	26	23.12	23.20	23.19	23.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5 <td>23.5</td> <td data-cs="2" data-kind="parent">0.0</td> <td data-kind="ghost"></td>	23.5	0.0	
15	QPSK	1	19	23.17	23.17	23.15	23.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	23.5	0.0	
10	QPSK	1	12	23.19	23.22	23.19	23.5	0.0	

n38_SA&NSA Ant4 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.55	22.68	22.60	24.5	0.0	
40	PI/2 BPSK	1	53	23.37	23.52	23.44			
40	PI/2 BPSK	1	104	23.10	23.19	23.12			
40	PI/2 BPSK	50	0	22.72	22.78	22.65	24.0	0.5	
40	PI/2 BPSK	50	28	23.21	23.34	23.25	24.5	0.0	
40	PI/2 BPSK	50	56	22.53	22.66	22.59	24.0	0.5	
40	PI/2 BPSK	100	0	22.57	22.53	22.56			
40	QPSK	1	1	22.73	22.81	22.77			
40	QPSK	1	53	23.41	23.45	23.45	24.5	0.0	
40	QPSK	1	104	22.91	23.04	22.91			
40	QPSK	50	0	22.66	22.76	22.67			
40	QPSK	50	28	23.25	23.35	23.28	23.5	1.0	
40	QPSK	50	56	22.49	22.61	22.53	23.5	1.0	
40	QPSK	100	0	22.18	22.34	22.26			
40	16QAM	1	1	22.17	22.28	22.22			
40	64QAM	1	1	20.72	20.81	20.69	22.0	2.5	
40	256QAM	1	1	18.29	18.42	18.29	20.0	4.5	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	26	23.01	23.01	23.57	24.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	23.00	23.59	23.62	24.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	23.02	23.56	23.64	24.5	0.0	

n41_SA&NSA Ant4 PC3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.49	22.56	22.47	24.5	0.0	
100	PI/2 BPSK	1	137	23.19	23.32	23.20			
100	PI/2 BPSK	1	271	22.74	22.83	22.71			
100	PI/2 BPSK	135	0	23.16	23.24	23.10	24.5	0.0	
100	PI/2 BPSK	135	69	23.27	23.41	23.36	24.5	0.0	
100	PI/2 BPSK	135	138	23.31	23.43	23.32	24.5	0.0	
100	PI/2 BPSK	270	0	23.23	23.33	23.26			
100	QPSK	1	1	22.41	22.53	22.48			
100	QPSK	1	137	23.23	23.46	23.21	24.5	0.0	
100	QPSK	1	271	22.45	22.56	22.47			
100	QPSK	135	0	23.08	23.18	23.04			
100	QPSK	135	69	23.36	23.42	23.41	24.5	0.0	
100	QPSK	135	138	23.40	23.39	23.34	23.5	1.0	
100	QPSK	270	0	23.26	23.41	23.32			
100	16QAM	1	1	22.88	22.97	22.92			
100	64QAM	1	1	21.90	21.96	21.84	24.5	0.0	
100	256QAM	1	1	20.96	21.06	20.93	23.0	1.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	23.34	23.36	23.35	24.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	23.35	23.45	23.40	24.5	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	23.26	23.43	23.34	24.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	23.28	23.36	23.41	24.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	23.30	23.38	23.34	24.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	23.26	23.37	23.42	24.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	23.29	23.37	23.38	24.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	19	23.32	23.43	23.39	24.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	23.31	23.39	23.43	24.5	0.0	

Part27O n77_NSA Ant5 PC3 Default power									
BW [MHz]	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	24.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.52	22.64	22.48			
100	PI/2 BPSK	1	137	23.60	23.75	23.63			
100	PI/2 BPSK	1	271	22.71	22.84	22.69	24.5	0.0	
100	PI/2 BPSK	135	0	23.62	23.69	23.56			
100	PI/2 BPSK	135	69	23.72	23.89	23.80			
100	PI/2 BPSK	135	138	23.53	23.66	23.56			
100	PI/2 BPSK	270	0	23.53	23.67	23.58	24.5	0.0	
100	QPSK	1	1	22.62	22.71	22.64			
100	QPSK	1	137	23.82	23.98	23.84			
100	QPSK	1	271	22.73	22.89	22.78			
100	QPSK	135	0	23.57	23.65	23.51			
100	QPSK	135	69	23.79	23.94	23.82	24.5	0.0	
100	QPSK	135	138	23.59	23.73	23.56	24.5	0.0	
100	QPSK	270	0	23.52	23.67	23.52			
100	16QAM	1	1	23.81	23.79	23.82	24.5	0.0	
100	64QAM	1	1	23.86	23.78	23.73	24.5	0.0	
100	256QAM	1	1	22.12	22.14	22.17	23.0	1.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	24.5	0.0	
90	QPSK	1	123	22.81	22.93	22.87	24.5	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	24.5	0.0	
80	QPSK	1	109	23.01	23.11	23.00	24.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	24.5	0.0	
70	QPSK	1	95	22.98	23.15	23.01	24.5	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	24.5	0.0	
60	QPSK	1	81	23.04	23.09	23.02	24.5	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	24.5	0.0	
50	QPSK	1	67	23.00	23.15	23.06	24.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	24.5	0.0	
40	QPSK	1	53	23.04	23.11	23.06	24.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	24.5	0.0	
20	QPSK	1	26	23.04	23.12	23.00	24.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	24.5	0.0	
15	QPSK	1	19	23.04	23.08	23.01	24.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	24.5	0.0	
10	QPSK	1	12	22.98	23.06	23.01	24.5	0.0	

Par27Q n77_NSA Ant5 PC3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		22.51		24.5		0.0
100	PI/2 BPSK	1	137		23.49				
100	PI/2 BPSK	1	271		22.58				
100	PI/2 BPSK	135	0		23.33				
100	PI/2 BPSK	135	69		23.60		24.5		0.0
100	PI/2 BPSK	135	138		23.45		24.5		0.0
100	PI/2 BPSK	270	0		23.43				
100	QPSK	1	1		22.56				
100	QPSK	1	137		23.91				
100	QPSK	1	271		22.59				
100	QPSK	135	0		23.39		24.5		0.0
100	QPSK	135	69		23.81		24.5		0.0
100	QPSK	135	138		23.44		24.5		0.0
100	QPSK	270	0		23.85				
100	16QAM	1	1		23.30		24.5		0.0
100	64QAM	1	1		23.36		24.5		0.0
100	256QAM	1	1		22.33		23.0		1.5
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	23.26	23.29	23.29	24.5		0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	23.27	23.22	23.24	24.5		0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	23.44	23.40	23.38	24.5		0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	23.41	23.44	23.43	24.5		0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	23.50	23.43	23.46	24.5		0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	23.33	23.29	23.27	24.5		0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	23.28	23.24	23.32	24.5		0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	23.44	23.47	23.43	24.5		0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	23.42	23.41	23.44	24.5		0.0

Part27O n77_NSA Ant5 PC2 Default power									
BW [MHz]	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	27.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	25.99	26.05	25.91			
100	PI/2 BPSK	1	137	26.61	26.54	26.59			
100	PI/2 BPSK	1	271	25.90	25.96	25.82	26.5	0.5	
100	PI/2 BPSK	135	0	26.45	26.58	26.51			
100	PI/2 BPSK	135	69	26.61	26.59	26.53			
100	PI/2 BPSK	135	138	26.56	26.64	26.60			
100	PI/2 BPSK	270	0	26.40	26.54	26.42	27.0	0.0	
100	QPSK	1	1	25.92	25.97	25.88			
100	QPSK	1	137	26.61	26.66	26.54			
100	QPSK	1	271	25.54	25.68	25.60			
100	QPSK	135	0	25.89	25.98	25.87	26.0	1.0	
100	QPSK	135	69	26.54	26.56	26.54	27.0	0.0	
100	QPSK	135	138	25.96	26.06	25.98	26.0	1.0	
100	QPSK	270	0	25.94	26.01	25.93			
100	16QAM	1	1	24.65	24.77	24.62	26.0	1.0	
100	64QAM	1	1	23.21	23.27	23.19	24.5	2.5	
100	256QAM	1	1	21.72	21.80	21.74	22.5	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	27.0	0.0	
90	QPSK	1	123	25.99	26.10	25.95	27.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	27.0	0.0	
80	QPSK	1	109	26.03	26.03	25.97	27.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	27.0	0.0	
70	QPSK	1	95	26.04	26.02	25.93	27.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	27.0	0.0	
60	QPSK	1	81	25.97	26.08	25.94	27.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	27.0	0.0	
50	QPSK	1	67	26.04	26.11	25.86	27.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	27.0	0.0	
40	QPSK	1	53	26.04	26.09	25.86	27.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	27.0	0.0	
20	QPSK	1	26	25.97	26.11	25.88	27.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	27.0	0.0	
15	QPSK	1	19	26.03	26.04	25.96	27.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	27.0	0.0	
10	QPSK	1	12	26.02	26.11	25.94	27.0	0.0	

Par27Q n77_NSA Ant5 PC2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		25.97		27.0		0.0
100	PI/2 BPSK	1	137		26.35				
100	PI/2 BPSK	1	271		26.02				
100	PI/2 BPSK	135	0		26.26				
100	PI/2 BPSK	135	69		26.02		26.5		0.5
100	PI/2 BPSK	135	138		26.38		27.0		0.0
100	PI/2 BPSK	270	0		26.33		26.5		0.5
100	QPSK	1	1		25.93				
100	QPSK	1	137		26.39		27.0		0.0
100	QPSK	1	271		25.96				
100	QPSK	135	0		25.77				
100	QPSK	135	69		26.08				
100	QPSK	135	138		25.80		26.0		1.0
100	QPSK	270	0		25.71		27.0		0.0
100	16QAM	1	1		24.72		26.0		1.0
100	64QAM	1	1		23.18		24.5		2.5
100	256QAM	1	1		21.98		22.5		4.5
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	25.90	25.98	25.93	27.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	25.92	26.00	25.94	27.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	25.97	26.04	25.88	27.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	25.91	25.93	25.97	27.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	25.90	26.02	25.97	27.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	25.90	26.02	25.87	27.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	25.88	26.04	25.90	27.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	25.93	26.00	25.92	27.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	25.96	26.01	25.90	27.0	0.0	

Part27O n78_NSA Ant5 PC3 Default power									
BW [MHz]	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	PI/2 BPSK	1	1		22.97		24.5	0.0	
100	PI/2 BPSK	1	137		23.74				
100	PI/2 BPSK	1	271		23.05				
100	PI/2 BPSK	135	0		23.85				
100	PI/2 BPSK	135	69		23.85		24.5	0.0	
100	PI/2 BPSK	135	138		23.83		24.5	0.0	
100	PI/2 BPSK	270	0		23.81				
100	QPSK	1	1		22.90		24.5	0.0	
100	QPSK	1	137		23.89				
100	QPSK	1	271		23.33				
100	QPSK	135	0		23.79			0.0	
100	QPSK	135	69		23.67		24.5	0.0	
100	QPSK	135	138		23.83		24.5	0.0	
100	QPSK	270	0		23.86				
100	16QAM	1	1		22.66		24.5	0.0	
100	64QAM	1	1		22.75		24.5	0.0	
100	256QAM	1	1		21.80		23.0	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		23.10	23.25	23.22	24.5	
Channel				646334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		23.20	23.16	23.18	24.5	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95		23.23	23.21	23.21	24.5	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		23.10	23.25	23.21	24.5	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		23.10	23.24	23.18	24.5	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53		23.26	23.19	23.24	24.5	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		23.18	23.21	23.22	24.5	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3750	3792.51			
15	QPSK	1	19		23.26	23.19	23.19	24.5	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		23.16	23.19	23.25	24.5	

Par27Q n78_NSA Ant5 PC3 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		22.76		24.5	0.0	
100	PI/2 BPSK	1	137		23.72				
100	PI/2 BPSK	1	271		22.78				
100	PI/2 BPSK	135	0		23.53				
100	PI/2 BPSK	135	69		23.74		24.5	0.0	
100	PI/2 BPSK	135	138		23.56		24.5	0.0	
100	PI/2 BPSK	270	0		23.59				
100	QPSK	1	1		22.71		24.5	0.0	
100	QPSK	1	137		23.78				
100	QPSK	1	271		22.86				
100	QPSK	135	0		23.58			0.0	
100	QPSK	135	69		23.72		24.5	0.0	
100	QPSK	135	138		23.55		24.5	0.0	
100	QPSK	270	0		23.54				
100	16QAM	1	1		22.52		24.5	0.0	
100	64QAM	1	1		22.64		24.5	0.0	
100	256QAM	1	1		21.64		23.0	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123		23.01	22.98	23.00	24.5	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		23.00	22.97	22.99	24.5	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95		23.02	22.93	23.02	24.5	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81		23.04	22.96	22.93	24.5	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		22.99	23.03	23.02	24.5	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53		22.95	23.02	22.99	24.5	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		23.04	22.98	23.01	24.5	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19		23.01	22.93	23.01	24.5	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12		23.00	23.01	22.96	24.5	

Part27O n78_NSA Ant5 PC2 Default power									
BW [MHz]	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	PI/2 BPSK	1	1		25.53				
100	PI/2 BPSK	1	137		26.55		27.0	0.0	
100	PI/2 BPSK	1	271		25.78				
100	PI/2 BPSK	135	0		26.03		26.5	0.5	
100	PI/2 BPSK	135	69		26.53		27.0	0.0	
100	PI/2 BPSK	135	138		26.20		26.5	0.5	
100	PI/2 BPSK	270	0		26.11				
100	QPSK	1	1		25.51				
100	QPSK	1	137		26.57		27.0	0.0	
100	QPSK	1	271		25.73				
100	QPSK	135	0		25.49		26.0	1.0	
100	QPSK	135	69		26.50		27.0	0.0	
100	QPSK	135	138		25.58		26.0	1.0	
100	QPSK	270	0		25.53				
100	16QAM	1	1		24.25		26.0	1.0	
100	64QAM	1	1		22.77		24.5	2.5	
100	256QAM	1	1		21.38		22.5	4.5	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		26.10	26.24	27.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		26.25	26.27	27.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95		26.21	26.18	26.24	0.0	
Channel				648688	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		26.20	26.27	26.22	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		26.27	26.20	26.22	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53		26.20	26.21	26.24	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		26.27	26.19	26.25	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3750	3792.51			
15	QPSK	1	19		26.26	26.19	26.28	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		26.21	26.24	26.29	0.0	

Par27Q n78_NSA Ant5 PC2 Default power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		25.33				
100	PI/2 BPSK	1	137		26.32		27.0	0.0	
100	PI/2 BPSK	1	271		25.58				
100	PI/2 BPSK	135	0		25.83		26.5	0.5	
100	PI/2 BPSK	135	69		26.30		27.0	0.0	
100	PI/2 BPSK	135	138		26.00		26.5	0.5	
100	PI/2 BPSK	270	0		25.91				
100	QPSK	1	1		25.31				
100	QPSK	1	137		26.33		27.0	0.0	
100	QPSK	1	271		25.53				
100	QPSK	135	0		25.29		26.0	1.0	
100	QPSK	135	69		26.26		27.0	0.0	
100	QPSK	135	138		25.38		26.0	1.0	
100	QPSK	270	0		25.33				
100	16QAM	1	1		24.64		26.0	1.0	
100	64QAM	1	1		23.00		24.5	2.5	
100	256QAM	1	1		21.18		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123		25.87	25.98	25.95	27.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		25.97	25.88	25.95	27.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95		25.92	25.92	25.95	27.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81		25.89	25.91	25.97	27.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		25.89	25.92	25.90	27.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53		25.87	25.90	25.94	27.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		25.89	25.94	25.98	27.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19		25.93	25.98	25.89	27.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12		25.93	25.95	25.97	27.0	

Part270 n77_NSA Ant8 PC3									
BW [MHz]	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	23.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.40	20.44	20.38	23.0	0.0	
100	PI/2 BPSK	1	137	21.53	21.48	21.52			
100	PI/2 BPSK	1	271	20.51	20.55	20.42	23.0	0.0	
100	PI/2 BPSK	135	0	21.27	21.38	21.34			
100	PI/2 BPSK	135	69	21.49	21.44	21.52	23.0	0.0	
100	PI/2 BPSK	135	138	21.38	21.46	21.40			
100	PI/2 BPSK	270	0	21.38	21.44	21.35	23.0	0.0	
100	QPSK	1	1	20.48	20.49	20.62			
100	QPSK	1	137	21.56	21.57	21.39	23.0	0.0	
100	QPSK	1	271	20.56	20.62	20.53			
100	QPSK	135	0	21.41	21.48	21.35	23.0	0.0	
100	QPSK	135	69	21.48	21.53	21.62			
100	QPSK	135	138	21.48	21.41	21.33	23.0	0.0	
100	QPSK	270	0	21.44	21.48	21.47			
100	16QAM	1	1	21.17	21.22	21.18	23.0	0.0	
100	64QAM	1	1	21.23	21.28	21.14			
100	256QAM	1	1	19.82	19.86	19.81	21.5	1.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	21.21	21.17	21.36	23.0	0.0	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	21.20	21.24	21.30		23.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	95	21.17	21.23	21.29	23.0	0.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	21.14	21.19	21.37		23.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	21.20	21.25	21.37	23.0	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	21.24	21.24	21.35		23.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	21.18	21.25	21.30	23.0	0.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	21.16	21.25	21.39		23.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	21.23	21.14	21.33	23.0	0.0	

Par27Q n77_NSA Ant8 PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01	23.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	20.30		21.25	23.0	0.0	
100	PI/2 BPSK	1	137	21.25					
100	PI/2 BPSK	1	271	20.26		21.14	23.0	0.0	
100	PI/2 BPSK	135	0	21.14					
100	PI/2 BPSK	135	69	21.28		21.17	23.0	0.0	
100	PI/2 BPSK	135	138	21.17					
100	PI/2 BPSK	270	0	21.12		20.36	23.0	0.0	
100	QPSK	1	1	20.36					
100	QPSK	1	137	21.49		20.34	23.0	0.0	
100	QPSK	1	271	20.34					
100	QPSK	135	0	21.15		21.38	23.0	0.0	
100	QPSK	135	69	21.15					
100	QPSK	135	138	21.20		21.16	23.0	0.0	
100	QPSK	270	0	21.16					
100	16QAM	1	1	21.10		21.18	23.0	0.0	
100	64QAM	1	1	21.18					
100	256QAM	1	1	19.87		21.5 1.5			
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	21.14	21.12	21.18	23.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	21.08	21.11	21.08		23.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	21.28	21.30	21.33	23.0	0.0	
Channel				632000	633334	634666			
Frequency (MHz)				3480	3500.01	3519.99	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	21.33	21.33	21.32		23.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	21.34	21.30	21.35	23.0	0.0	
Channel				631334	633334	635332			
Frequency (MHz)				3470.01	3500.01	3529.98	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	21.31	21.34	21.34		23.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	21.34	21.32	21.37	23.0	0.0	
Channel				630500	633334	636166			
Frequency (MHz)				3457.5	3500.01	3542.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	21.27	21.30	21.29		23.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	21.29	21.31	21.35	23.0 0.0		

Part270 n78_NSA Ant8 PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		20.41		23.0	0.0	
100	PI/2 BPSK	1	137		21.37				
100	PI/2 BPSK	1	271		20.76				
100	PI/2 BPSK	135	0		21.32				
100	PI/2 BPSK	135	69		21.41		23.0	0.0	
100	PI/2 BPSK	135	138		21.42		23.0	0.0	
100	PI/2 BPSK	270	0		21.31				
100	QPSK	1	1		20.37		23.0	0.0	
100	QPSK	1	137		21.45				
100	QPSK	1	271		20.72				
100	QPSK	135	0		21.25				
100	QPSK	135	69		21.39		23.0	0.0	
100	QPSK	135	138		21.38		23.0	0.0	
100	QPSK	270	0		21.37				
100	16QAM	1	1		21.25		23.0	0.0	
100	64QAM	1	1		21.29		23.0	0.0	
100	256QAM	1	1		19.93		21.5	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	21.14	21.27	21.06	23.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	21.20	21.24	21.10	23.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95	21.13	21.16	21.09	23.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81	21.13	21.17	21.12	23.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	21.21	21.25	21.09	23.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	21.17	21.16	21.15	23.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	21.12	21.19	21.14	23.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	21.22	21.18	21.07	23.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	21.21	21.17	21.16	23.0	0.0	

Par27Q n78_NSA Ant8 PC3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		20.49		23.0		0.0
100	PI/2 BPSK	1	137		21.42				
100	PI/2 BPSK	1	271		20.56				
100	PI/2 BPSK	135	0		21.29				
100	PI/2 BPSK	135	69		21.41		23.0		0.0
100	PI/2 BPSK	135	138		21.29		23.0		0.0
100	PI/2 BPSK	270	0		21.28				
100	QPSK	1	1		20.45		23.0		0.0
100	QPSK	1	137		21.47				
100	QPSK	1	271		20.49				
100	QPSK	135	0		21.33				
100	QPSK	135	69		21.45		23.0		0.0
100	QPSK	135	138		21.33		23.0		0.0
100	QPSK	270	0		21.32				
100	16QAM	1	1		21.27		23.0		0.0
100	64QAM	1	1		21.33		23.0		0.0
100	256QAM	1	1		19.83		21.5		1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	21.07	21.20	21.10	23.0		0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	21.09	21.09	21.02	23.0		0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	21.06	21.20	21.02	23.0		0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	21.05	21.17	20.99	23.0		0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	21.16	21.20	21.11	23.0		0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	21.10	21.15	21.02	23.0		0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	21.05	21.17	21.02	23.0		0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	21.11	21.20	21.03	23.0		0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	21.05	21.14	21.06	23.0		0.0

Reduced power level for 5G NR
For DFT-15

n5_SA&NSA Ant0 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.35	24.30	24.25		
20	PI/2 BPSK	1	53	24.33	24.38	24.36	25.0	0.5
20	PI/2 BPSK	1	104	24.32	24.27	24.24		
20	PI/2 BPSK	50	0	23.96	23.96	24.03		
20	PI/2 BPSK	50	28	24.44	24.43	24.42	25.5	0.0
20	PI/2 BPSK	50	56	23.90	23.84	23.81		
20	PI/2 BPSK	100	0	23.90	23.94	23.89		
20	QPSK	1	1	24.33	24.48	24.44	25.5	0.0
20	QPSK	1	53	24.38	24.35	24.34		
20	QPSK	1	104	24.27	24.23	24.24		
20	QPSK	50	0	23.53	23.49	23.49	24.5	1.0
20	QPSK	50	28	24.30	24.34	24.28		
20	QPSK	50	56	23.39	23.34	23.36		
20	QPSK	100	0	23.47	23.54	23.41	24.5	1.0
20	QPSK	50	1	23.07	23.04	23.07		
20	64QAM	1	1	21.60	21.57	21.62		
20	256QAM	1	1	20.16	20.18	20.15	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0
15	QPSK	1	1	24.27	24.31	24.29		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	25.5	0.0
10	QPSK	1	1	24.17	24.16	24.22		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	25.5	0.0
5	QPSK	1	1	24.24	24.23	24.22		

n7_SA&NSA Ant0 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	24.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.48	23.49	23.56		
20	PI/2 BPSK	1	53	23.58	23.60	23.46	24.0	0.5
20	PI/2 BPSK	1	104	23.46	23.46	23.50		
20	PI/2 BPSK	50	0	23.12	23.13	23.12		
20	PI/2 BPSK	50	28	23.61	23.54	23.50	24.0	0.5
20	PI/2 BPSK	50	56	23.00	22.93	22.90		
20	PI/2 BPSK	100	0	23.03	23.06	23.13		
20	QPSK	1	1	23.59	23.63	23.54	24.5	0.0
20	QPSK	1	53	23.62	23.56	23.58		
20	QPSK	1	104	23.45	23.42	23.41		
20	QPSK	50	0	22.59	22.57	22.57	23.5	1.0
20	QPSK	50	28	23.43	23.52	23.49		
20	QPSK	50	56	22.51	22.49	22.50		
20	QPSK	100	0	22.54	22.59	22.50	23.5	1.0
20	QPSK	50	1	22.28	22.28	22.31		
20	64QAM	1	1	20.82	20.77	20.80		
20	256QAM	1	1	19.29	19.31	19.37	20.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0
15	QPSK	1	1	23.58	23.53	23.51		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	24.5	0.0
10	QPSK	1	1	23.30	23.34	23.35		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24.5	0.0
5	QPSK	1	1	23.57	23.56	23.63		



n38_SA&NSA Ant0 DSH1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	518000	518998		
Frequency (MHz)				2580.00	2595	2599.98		
40	PI2 BPSK	1	1	23.80	23.84	23.83		
40	PI2 BPSK	1	53	23.86	23.81	23.76	25.5	0.0
40	PI2 BPSK	1	104	23.95	23.91	23.85		
40	PI2 BPSK	50	0	23.34	23.38	23.40	25.0	0.5
40	PI2 BPSK	50	28	24.07	24.01	24.05	25.5	0.0
40	PI2 BPSK	50	58	24.09	24.07	24.07		
40	PI2 BPSK	100	0	23.58	23.56	23.55	25.0	0.5
40	QPSK	1	1	23.87	24.11	23.80		
40	QPSK	1	53	23.76	23.74	23.80	25.5	0.0
40	QPSK	1	104	23.98	23.95	23.92		
40	QPSK	50	0	22.83	22.81	22.88	24.5	1.0
40	QPSK	50	28	23.90	24.06	23.84	25.5	0.0
40	QPSK	50	58	23.90	23.93	23.88	24.5	1.0
40	QPSK	100	0	22.92	22.94	22.86		
40	16QAM	1	1	22.21	22.22	22.18	24.5	1.0
40	64QAM	1	1	20.86	20.86	20.74	23.0	2.5
40	256QAM	1	1	19.20	19.24	19.27	21.0	4.5
Channel				518000	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.84	23.88	23.87	25.5	0.0
Channel				518000	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.92	23.91	23.97	25.5	0.0
Channel				518004	518000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2583.02	2595	2614.08		
10	QPSK	1	1	23.94	23.93	23.73	25.5	0.0
Channel				518000	518000	523000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
5	QPSK	1	1	23.94	24.03	24.00	25.5	0.0

n41_SA&NSA Ant0 PC3 DSH1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				520204	518598	520998		
Frequency (MHz)				2521.02	2592.99	2604.99		
50	PI2 BPSK	1	1	21.95	21.99	21.98		
50	PI2 BPSK	1	135	22.30	22.33	22.37	24.0	0.0
50	PI2 BPSK	1	268	22.03	22.01	22.05		
50	PI2 BPSK	135	0	22.37	22.36	22.35	23.5	0.5
50	PI2 BPSK	135	68	22.41	22.37	22.35	24.0	0.0
50	PI2 BPSK	135	135	22.32	22.29	22.31		
50	PI2 BPSK	270	0	22.37	22.34	22.35	23.5	0.5
50	QPSK	1	1	22.15	22.43	22.41		
50	QPSK	1	135	22.23	22.36	22.35	24.0	0.0
50	QPSK	1	268	22.03	22.05	22.09		
50	QPSK	135	0	22.36	22.38	22.24	23.0	1.0
50	QPSK	135	68	22.30	22.40	22.37	24.0	0.0
50	QPSK	135	135	22.21	22.25	22.22		
50	QPSK	270	0	22.32	22.33	22.31	23.0	1.0
50	16QAM	1	1	21.79	21.80	21.82	23.0	1.0
50	64QAM	1	1	21.87	21.87	21.86	22.0	2.0
50	256QAM	1	1	20.99	20.93	20.92	21.0	3.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.08	22.21	22.17	24.0	0.0
Channel				532203	518598	531596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.01	22.06	22.13	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2504.02	2592.99	2679.99		
20	QPSK	1	1	22.23	22.12	22.25	24.0	0.0
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.13	21.91	22.16	24.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.30	22.04	22.27	24.0	0.0

n41_SA&NSA Ant0 PC2 DSH1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504004	518598	520998		
Frequency (MHz)				2521.02	2592.99	2604.99		
50	PI2 BPSK	1	1	24.81	24.69	24.61		
50	PI2 BPSK	1	135	24.88	24.71	24.82	26.5	0.0
50	PI2 BPSK	1	268	24.77	24.75	24.64		
50	PI2 BPSK	135	0	25.02	25.01	24.90	26.0	0.5
50	PI2 BPSK	135	68	24.80	24.86	24.94	26.5	0.0
50	PI2 BPSK	135	135	24.74	24.80	24.83	26.0	0.5
50	PI2 BPSK	270	0	24.77	24.71	24.74		
50	QPSK	1	1	24.74	24.80	24.65		
50	QPSK	1	135	24.88	24.98	24.91	26.5	0.0
50	QPSK	1	268	24.65	24.67	24.72		
50	QPSK	135	0	24.71	24.65	24.54	25.5	1.0
50	QPSK	135	68	24.98	25.07	24.92	26.5	0.0
50	QPSK	135	135	24.79	24.69	24.79	25.5	1.0
50	QPSK	270	0	24.21	24.26	24.07		
50	16QAM	1	1	23.48	23.37	23.38	25.5	1.0
50	64QAM	1	1	22.06	21.96	22.05	24.0	2.5
50	256QAM	1	1	21.10	21.00	20.98	22.0	4.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.86	24.75	24.67	26.5	0.0
Channel				532203	518598	531596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.46	24.54	24.40	26.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2504.02	2592.99	2679.99		
20	QPSK	1	1	24.89	24.84	24.90	26.5	0.0
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	24.93	24.90	25.00	26.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	24.73	24.76	24.75	26.5	0.0

n66_SA&NSA Ant1 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.50	23.62	23.60	24.5	0.0
40	PI/2 BPSK	1	108	23.93	24.12	24.02		
40	PI/2 BPSK	1	214	23.58	23.64	23.52		
40	PI/2 BPSK	108	0	23.55	23.44	23.33		
40	PI/2 BPSK	108	54	24.08	24.11	24.05		
40	PI/2 BPSK	108	108	23.49	23.38	23.40	24.0	0.5
40	PI/2 BPSK	216	0	23.57	23.47	23.59		
40	QPSK	1	1	24.00	23.60	23.99	24.5	0.0
40	QPSK	1	108	23.96	24.16	24.06		
40	QPSK	1	214	23.52	23.59	23.59		
40	QPSK	108	0	23.01	22.92	22.87		
40	QPSK	108	54	23.99	24.09	23.97		
40	QPSK	108	108	22.76	22.86	22.97	23.5	1.0
40	QPSK	216	0	22.83	22.94	22.92		
40	16QAM	1	1	22.17	22.28	22.32	23.5	1.0
40	64QAM	1	1	20.91	20.93	21.01		
40	256QAM	1	1	19.57	19.47	19.45	20.0	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	24.5	0.0
30	QPSK	1	1	23.75	23.78	23.89		
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	24.5	0.0
25	QPSK	1	1	24.05	23.94	23.89		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	24.5	0.0
20	QPSK	1	1	24.12	24.02	23.97		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	24.5	0.0
15	QPSK	1	1	23.99	24.03	23.95		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24.5	0.0
10	QPSK	1	1	23.94	23.87	23.84		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.5	0.0
5	QPSK	1	1	23.92	24.05	23.97		

n77_NSA Ant1 PC3 DS11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				648334	656000	663668	23.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	PI/2 BPSK	1	1	20.96	21.01	20.93	23.0	0.0
50	PI/2 BPSK	1	135	21.29	21.31	21.26		
50	PI/2 BPSK	1	268	20.99	21.09	21.03		
50	PI/2 BPSK	135	0	21.30	21.22	21.18	23.0	0.0
50	PI/2 BPSK	135	68	21.37	21.33	21.34	23.0	0.0
50	PI/2 BPSK	135	135	21.32	21.24	21.25	23.0	0.0
50	PI/2 BPSK	270	0	21.28	21.34	21.23		
50	QPSK	1	1	20.99	21.08	20.96	23.0	0.0
50	QPSK	1	135	21.28	21.38	21.35		
50	QPSK	1	268	21.22	21.16	21.18		
50	QPSK	135	0	21.24	21.19	21.11	22.0	1.0
50	QPSK	135	68	21.30	21.31	21.24	23.0	0.0
50	QPSK	135	135	21.25	21.26	21.21	22.0	1.0
50	QPSK	270	0	21.18	21.23	21.22	22.0	1.0
50	16QAM	1	1	20.69	20.68	20.73		
50	64QAM	1	1	20.80	20.72	20.76		
50	256QAM	1	1	19.73	19.77	19.68	20.0	3.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	23.0	0.0
40	QPSK	1	1	21.21	21.15	21.27	23.0	0.0
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.14	21.05	20.97	23.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.61	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.16	21.00	21.10	23.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.33	21.27	21.31	23.0	0.0

Par27Q n77_NSA Ant1 PC3 DS11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				631334	633334	635332	23.0	0.0
Frequency (MHz)				3470.01	3500.01	3520.08		
50	PI/2 BPSK	1	1	20.67	20.85	20.81	23.0	0.0
50	PI/2 BPSK	1	135	21.05	21.10	21.09		
50	PI/2 BPSK	1	268	20.70	20.91	20.77		
50	PI/2 BPSK	135	0	20.94	21.00	20.97	23.0	0.0
50	PI/2 BPSK	135	68	21.09	21.10	21.09	23.0	0.0
50	PI/2 BPSK	135	135	21.03	20.99	20.99	23.0	0.0
50	PI/2 BPSK	270	0	20.94	20.71	20.71		
50	QPSK	1	1	20.71	21.12	20.77	23.0	0.0
50	QPSK	1	135	21.12	21.10	20.91		
50	QPSK	1	268	20.77	20.91	20.77		
50	QPSK	135	0	20.91	21.10	20.97	22.0	1.0
50	QPSK	135	68	21.00	20.97	20.97	22.0	1.0
50	QPSK	135	135	20.97	20.99	20.99		
50	QPSK	270	0	20.99	20.36	20.45	22.0	1.0
50	16QAM	1	1	20.36	20.45	20.45	21.0	2.0
50	64QAM	1	1	20.45	19.55	19.55	20.0	3.0
50	256QAM	1	1	19.55	19.55	19.55	20.0	3.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3520.08	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	20.74	20.85	20.91	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.78	20.74	20.75	23.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.49	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.91	20.83	20.81	23.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.56	20.65	20.75	23.0	0.0

n78_NSA Ant1 PC3 DS1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				646334	650000	651668	23.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	PI/2 BPSK	1	1	20.82	20.72	20.68	23.0	0.0	
50	PI/2 BPSK	1	135	21.14	21.15	21.06			
50	PI/2 BPSK	1	268	20.94	21.01	20.91			
50	PI/2 BPSK	135	0	21.10	21.17	21.08			
50	PI/2 BPSK	135	68	21.13	21.21	21.13	23.0	0.0	
50	PI/2 BPSK	135	135	21.21	21.23	21.17			
50	PI/2 BPSK	270	0	21.17	21.22	21.11			
50	QPSK	1	1	20.79	20.78	20.79			
50	QPSK	1	135	21.08	21.29	21.05	23.0	0.0	
50	QPSK	1	268	20.94	20.94	20.95			
50	QPSK	135	0	21.14	21.14	21.24			
50	QPSK	135	68	21.20	21.25	21.21			
50	QPSK	135	135	21.18	21.18	21.13	22.0	1.0	
50	QPSK	270	0	21.11	21.17	21.13			
50	16QAM	1	1	20.49	20.49	20.54			
50	64QAM	1	1	20.67	20.55	20.47			
50	256QAM	1	1	19.55	19.67	19.79	20.0	3.0	
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	23.0	0.0	
40	QPSK	1	1	20.91	20.87	20.85	23.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	23.0	0.0	
20	QPSK	1	1	21.11	21.03	21.13	23.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	23.0	0.0	
15	QPSK	1	1	21.03	20.99	21.10	23.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	23.0	0.0	
10	QPSK	1	1	20.95	20.89	20.88	23.0	0.0	

Par27Q n78_NSA Ant1 PC3 DS1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				631334	633334	635334	23.0	0.0	
Frequency (MHz)				3470.01	3500.01	3530.01			
50	PI/2 BPSK	1	1	20.42	20.42	20.42	23.0	0.0	
50	PI/2 BPSK	1	135	20.76	20.76	20.76			
50	PI/2 BPSK	1	268	20.50	20.50	20.50			
50	PI/2 BPSK	135	0	20.83	20.83	20.83			
50	PI/2 BPSK	135	68	20.82	20.82	20.82	23.0	0.0	
50	PI/2 BPSK	135	135	20.76	20.76	20.76			
50	PI/2 BPSK	270	0	20.81	20.81	20.81			
50	QPSK	1	1	20.45	20.45	20.45			
50	QPSK	1	135	20.88	20.88	20.88	23.0	0.0	
50	QPSK	1	268	20.43	20.43	20.43			
50	QPSK	135	0	20.73	20.73	20.73			
50	QPSK	135	68	20.79	20.79	20.79			
50	QPSK	135	135	20.77	20.77	20.77	22.0	1.0	
50	QPSK	270	0	20.75	20.75	20.75			
50	16QAM	1	1	20.18	20.18	20.18			
50	64QAM	1	1	20.21	20.21	20.21			
50	256QAM	1	1	19.34	19.34	19.34	20.0	3.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	23.0	0.0	
40	QPSK	1	1	20.42	20.32	20.25	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	23.0	0.0	
20	QPSK	1	1	20.46	20.57	20.50	23.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	23.0	0.0	
15	QPSK	1	1	20.68	20.62	20.72	23.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	23.0	0.0	
10	QPSK	1	1	20.51	20.45	20.47	23.0	0.0	

n7_SA&NSA Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	24.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	22.80	22.86	22.74	24.5	0.0
20	PI/2 BPSK	1	53	22.96	22.94	22.87		
20	PI/2 BPSK	1	104	22.88	22.97	22.85		
20	PI/2 BPSK	50	0	22.38	22.46	22.58		
20	PI/2 BPSK	50	28	22.86	22.90	22.77	24.5	0.0
20	PI/2 BPSK	50	58	22.34	22.43	22.51	24.0	0.5
20	PI/2 BPSK	100	0	22.46	22.46	22.53		
20	QPSK	1	1	22.78	22.99	22.86	24.5	0.0
20	QPSK	1	53	22.86	22.89	22.94		
20	QPSK	1	104	22.92	22.81	22.87		
20	QPSK	50	0	21.80	21.92	21.85	23.5	1.0
20	QPSK	50	28	22.83	22.90	22.80	24.5	0.0
20	QPSK	50	58	21.93	21.86	21.76	23.5	1.0
20	QPSK	100	0	21.85	21.92	21.90		
20	16QAM	1	1	21.58	21.59	21.61	23.5	1.0
20	64QAM	1	1	20.06	20.11	20.05	22.0	2.5
20	256QAM	1	1	18.60	18.52	18.49	20.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0
15	QPSK	1	1	22.85	22.87	22.91	24.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	24.5	0.0
10	QPSK	1	1	22.90	22.95	22.83	24.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24.5	0.0
5	QPSK	1	1	22.93	22.84	22.76	24.5	0.0

n66_SA&NSA Ant2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.64	22.54	22.62	24.5	0.0
40	PI/2 BPSK	1	108	23.20	23.18	23.20		
40	PI/2 BPSK	1	214	22.63	22.69	22.79		
40	PI/2 BPSK	108	0	22.51	22.57	22.51	24.0	0.5
40	PI/2 BPSK	108	54	23.21	23.21	23.08	24.5	0.0
40	PI/2 BPSK	108	108	22.61	22.54	22.51	24.0	0.5
40	PI/2 BPSK	216	0	22.61	22.56	22.64		
40	QPSK	1	1	22.58	22.55	22.51	24.5	0.0
40	QPSK	1	108	23.06	23.27	23.14		
40	QPSK	1	214	22.72	22.63	22.56		
40	QPSK	108	0	22.05	21.99	21.96	23.5	1.0
40	QPSK	108	54	23.07	23.13	23.08	24.5	0.0
40	QPSK	108	108	21.98	21.99	22.09	23.5	1.0
40	QPSK	216	0	21.97	22.02	21.99		
40	16QAM	1	1	21.57	21.53	21.51	23.5	1.0
40	64QAM	1	1	20.11	20.09	20.04	22.0	2.5
40	256QAM	1	1	18.40	18.45	18.53	20.0	4.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	22.71	22.79	22.73	24.5	0.0
Channel				344500	349000	353500	Tune-up limit	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	22.83	22.93	22.90	24.5	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	22.91	23.02	22.97	24.5	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	22.99	23.08	23.00	24.5	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	22.88	22.92	22.98	24.5	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	23.23	23.14	23.17	24.5	0.0

n38_SA&NSA Ant2 DS1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	24.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.48	23.51	23.41	24.5	0.0	
40	PI/2 BPSK	1	53	23.68	23.56	23.63			
40	PI/2 BPSK	1	104	23.42	23.51	23.61			
40	PI/2 BPSK	50	0	23.03	23.13	23.10	24.0	0.5	
40	PI/2 BPSK	50	28	23.69	23.68	23.67	24.5	0.0	
40	PI/2 BPSK	50	56	23.50	23.66	23.62	24.0	0.5	
40	PI/2 BPSK	100	0	23.39	23.34	23.39			
40	QPSK	1	1	23.49	23.70	23.63	24.5	0.0	
40	QPSK	1	53	23.44	23.53	23.55			
40	QPSK	1	104	23.54	23.59	23.63			
40	QPSK	50	0	22.50	22.46	22.48	23.5	1.0	
40	QPSK	50	28	23.67	23.68	23.63	24.5	0.0	
40	QPSK	50	56	23.53	23.65	23.62	23.5	1.0	
40	QPSK	100	0	22.66	22.76	22.68			
40	16QAM	1	1	21.75	21.74	21.66	23.5	1.0	
40	64QAM	1	1	20.15	20.24	20.19	22.0	2.5	
40	256QAM	1	1	18.85	18.95	18.91	20.0	4.5	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	24.5	0.0	
20	QPSK	1	1	23.37	23.63	23.57			
Channel				515592	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	24.5	0.0	
15	PI/2 BPSK	1	1	23.47	23.57	23.54			
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	24.5	0.0	
10	PI/2 BPSK	1	1	23.34	23.70	23.43			
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	24.5	0.0	
5	QPSK	1	1	23.50	23.50	23.54			

n41_SA&NSA Ant2 PC3 DS1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998	24.5	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	23.62	23.63	23.40	24.5	0.0	
50	PI/2 BPSK	1	135	23.74	23.66	23.66			
50	PI/2 BPSK	1	268	23.54	23.65	23.77			
50	PI/2 BPSK	135	0	22.98	23.09	23.08	24.0	0.5	
50	PI/2 BPSK	135	68	23.77	23.70	23.73	24.5	0.0	
50	PI/2 BPSK	135	135	23.50	23.67	23.70	24.0	0.5	
50	PI/2 BPSK	270	0	23.51	23.40	23.34			
50	QPSK	1	1	23.65	23.78	23.59	24.5	0.0	
50	QPSK	1	135	23.49	23.49	23.63			
50	QPSK	1	268	23.65	23.66	23.73			
50	QPSK	135	0	22.55	22.73	22.42	23.5	1.0	
50	QPSK	135	68	23.58	23.73	23.72	24.5	0.0	
50	QPSK	135	135	23.52	23.60	23.70	23.5	1.0	
50	QPSK	270	0	22.70	22.72	22.63			
50	16QAM	1	1	21.81	21.74	21.67	23.5	1.0	
50	64QAM	1	1	20.28	20.37	20.26	22.0	2.5	
50	256QAM	1	1	18.87	19.06	19.03	20.0	4.5	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	24.5	0.0	
40	QPSK	1	1	23.20	23.25	23.17			
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	24.5	0.0	
30	QPSK	1	1	23.49	23.53	23.44			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	24.5	0.0	
20	QPSK	1	1	23.71	23.68	23.71			
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	24.5	0.0	
15	QPSK	1	1	23.56	23.58	23.75			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	24.5	0.0	
10	QPSK	1	1	23.74	23.70	23.69			

Par270 n77_SA&NSA Ant3 PC3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	656000	663668	24.5	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	23.13	23.15	23.19	24.5	0.0	
50	PI/2 BPSK	1	135	23.39	23.43	23.47			
50	PI/2 BPSK	1	268	23.22	23.21	23.17			
50	PI/2 BPSK	135	0	23.42	23.45	23.42	24.5	0.0	
50	PI/2 BPSK	135	68	23.49	23.46	23.30	24.5	0.0	
50	PI/2 BPSK	135	135	23.45	23.47	23.43	24.5	0.0	
50	PI/2 BPSK	270	0	23.46	23.49	23.48			
50	QPSK	1	1	23.10	23.11	23.21			
50	QPSK	1	135	23.44	23.50	23.41	24.5	0.0	
50	QPSK	1	268	23.25	23.26	23.27			
50	QPSK	135	0	23.35	23.36	23.35	24.5	0.0	
50	QPSK	135	68	23.44	23.48	23.30	24.5	0.0	
50	QPSK	135	135	23.42	23.40	23.43	24.5	0.0	
50	QPSK	270	0	23.35	23.43	23.20			
50	16QAM	1	1	22.93	22.88	22.95	24.5	0.0	
50	64QAM	1	1	22.91	22.94	22.89	24.5	0.0	
50	256QAM	1	1	22.07	22.01	21.97	23.0	1.5	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	24.5	0.0	
40	QPSK	1	1	23.08	23.05	23.03	24.5	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.01	22.98	22.95	24.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.61	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.08	23.03	23.00	24.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.91	22.91	22.89	24.5	0.0	

Par27Q n77_NSA Ant3 PC3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				631334	633334	635332	24.5	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
50	PI/2 BPSK	1	1	22.71	22.71	22.71	24.5	0.0	
50	PI/2 BPSK	1	135	22.97	22.97	22.97			
50	PI/2 BPSK	1	268	22.67	22.67	22.67			
50	PI/2 BPSK	135	0	22.95	22.95	22.95	24.5	0.0	
50	PI/2 BPSK	135	68	23.08	23.08	23.08	24.5	0.0	
50	PI/2 BPSK	135	135	23.01	23.01	23.01	24.5	0.0	
50	PI/2 BPSK	270	0	22.94	22.94	22.94			
50	QPSK	1	1	22.65	22.65	22.65			
50	QPSK	1	135	23.11	23.11	23.11	24.5	0.0	
50	QPSK	1	268	22.65	22.65	22.65			
50	QPSK	135	0	22.81	22.81	22.81	24.5	0.0	
50	QPSK	135	68	23.01	23.01	23.01	24.5	0.0	
50	QPSK	135	135	22.98	22.98	22.98	24.5	0.0	
50	QPSK	270	0	22.92	22.92	22.92			
50	16QAM	1	1	22.47	22.47	22.47	24.5	0.0	
50	64QAM	1	1	22.53	22.53	22.53	24.5	0.0	
50	256QAM	1	1	21.83	21.83	21.83	23.0	1.5	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	22.65	22.68	22.72	24.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3469.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.59	22.53	22.49	24.5	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.65	22.52	22.55	24.5	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.75	22.72	22.68	24.5	0.0	

Par270 n77_SA&NSA Ant3 PC2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				646334	656000	663668	26.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	23.65	23.66	23.74			
50	PI/2 BPSK	1	135	24.52	24.63	24.41	26.0	0.0	
50	PI/2 BPSK	1	268	23.52	23.74	23.55			
50	PI/2 BPSK	135	0	25.06	24.97	24.88			
50	PI/2 BPSK	135	68	24.74	24.47	24.79	26.0	0.0	
50	PI/2 BPSK	135	135	24.91	24.90	24.78			
50	PI/2 BPSK	270	0	24.78	25.20	25.05			
50	QPSK	1	1	23.66	23.61	23.95	26.0	0.0	
50	QPSK	1	135	25.25	25.34	25.16			
50	QPSK	1	268	23.48	23.60	23.69			
50	QPSK	135	0	24.94	24.75	24.80	26.0	0.0	
50	QPSK	135	68	24.78	25.05	24.85			
50	QPSK	135	135	25.01	24.95	25.02			
50	QPSK	270	0	24.61	25.09	24.86	26.0	0.0	
50	16QAM	1	1	25.16	24.87	25.14			
50	64QAM	1	1	22.89	23.17	23.13		1.5	
50	256QAM	1	1	21.12	21.10	21.27	22.5	3.5	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	26.0	0.0	
40	QPSK	1	1	24.57	25.06	24.98			
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	26.0	0.0	
20	QPSK	1	1	24.61	25.07	24.87			
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.61	26.0	0.0	
15	QPSK	1	1	24.68	25.16	24.81			
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	26.0	0.0	
10	QPSK	1	1	24.61	25.10	24.89			

Par27Q n77_NSA Ant3 PC2 DSI1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			26.0	0.0
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1	23.57				
50	PI/2 BPSK	1	135	23.97			26.0	0.0
50	PI/2 BPSK	1	268	23.56				
50	PI/2 BPSK	135	0	24.21				
50	PI/2 BPSK	135	68	24.61			26.0	0.0
50	PI/2 BPSK	135	135	24.57				
50	PI/2 BPSK	270	0	24.36				
50	QPSK	1	1	23.53			26.0	0.0
50	QPSK	1	135	24.71				
50	QPSK	1	268	23.46				
50	QPSK	135	0	24.15			26.0	0.0
50	QPSK	135	68	24.57				
50	QPSK	135	135	24.26				
50	QPSK	270	0	24.23			26.0	0.0
50	16QAM	1	1	24.22				
50	64QAM	1	1	23.11				
50	256QAM	1	1	21.17			22.5	3.5
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98	26.0	0.0
40	QPSK	1	1	24.42	24.55	24.63		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	26.0	0.0
20	QPSK	1	1	24.42	24.52	24.69		
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.49	26.0	0.0
15	QPSK	1	1	24.38	24.62	24.59		
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98	26.0	0.0
10	QPSK	1	1	24.44	24.49	24.66		

Par270 n78_SA&NSA Ant3 PC3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				646334	650000	651668	24.5	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	PI/2 BPSK	1	1	22.93	22.86	22.91	24.5	0.0	
50	PI/2 BPSK	1	135	23.38	23.41	23.38			
50	PI/2 BPSK	1	268	23.19	23.23	23.23			
50	PI/2 BPSK	135	0	23.38	23.44	23.42	24.5	0.0	
50	PI/2 BPSK	135	68	23.40	23.47	23.41	24.5	0.0	
50	PI/2 BPSK	135	135	23.46	23.45	23.43	24.5	0.0	
50	PI/2 BPSK	270	0	23.39	23.46	23.40			
50	QPSK	1	1	23.04	22.95	22.90	24.5	0.0	
50	QPSK	1	135	23.35	23.49	23.38			
50	QPSK	1	268	23.24	23.27	23.34			
50	QPSK	135	0	23.43	23.42	23.36	24.5	0.0	
50	QPSK	135	68	23.44	23.46	23.42	24.5	0.0	
50	QPSK	135	135	23.37	23.43	23.44	24.5	0.0	
50	QPSK	270	0	23.31	23.40	23.36			
50	16QAM	1	1	22.87	22.83	22.84	24.5	0.0	
50	64QAM	1	1	22.86	22.88	22.84	24.5	0.0	
50	256QAM	1	1	22.05	21.98	21.97	23.0	1.5	
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	24.5	0.0	
40	QPSK	1	1	23.00	23.02	23.04	24.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	24.5	0.0	
20	QPSK	1	1	23.06	22.99	22.95	24.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3750	3792.61	24.5	0.0	
15	QPSK	1	1	22.96	23.00	23.05	24.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	24.5	0.0	
10	QPSK	1	1	22.40	22.42	22.44	24.5	0.0	

Par27Q n78_NSA Ant3 PC3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				631334	633334	635332	24.5	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
50	PI/2 BPSK	1	1	23.05			24.5	0.0	
50	PI/2 BPSK	1	135	23.13					
50	PI/2 BPSK	1	268	22.83					
50	PI/2 BPSK	135	0	23.16			24.5	0.0	
50	PI/2 BPSK	135	68	23.25			24.5	0.0	
50	PI/2 BPSK	135	135	23.10			24.5	0.0	
50	PI/2 BPSK	270	0	23.07					
50	QPSK	1	1	22.83			24.5	0.0	
50	QPSK	1	135	23.26					
50	QPSK	1	268	22.81					
50	QPSK	135	0	23.15			24.5	0.0	
50	QPSK	135	68	23.24			24.5	0.0	
50	QPSK	135	135	23.16			24.5	0.0	
50	QPSK	270	0	23.14					
50	16QAM	1	1	22.56			24.5	0.0	
50	64QAM	1	1	22.61			24.5	0.0	
50	256QAM	1	1	21.79			23.0	1.5	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	24.5	0.0	
40	QPSK	1	1	22.92	22.91	22.90	24.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3469.02	3500.01	3540	24.5	0.0	
20	QPSK	1	1	22.97	22.96	23.02	24.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3467.5	3500.01	3542.49	24.5	0.0	
15	QPSK	1	1	23.19	23.15	23.01	24.5	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	24.5	0.0	
10	QPSK	1	1	23.11	23.07	23.13	24.5	0.0	

Par270 n78_SA&NSA Ant3 PC2 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				646334	650000	651668	26.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	PI/2 BPSK	1	1	23.95	24.16	24.04	26.0	0.0	
50	PI/2 BPSK	1	135	25.27	25.13	25.11			
50	PI/2 BPSK	1	268	24.45	24.54	24.52			
50	PI/2 BPSK	135	0	24.91	25.03	24.86			
50	PI/2 BPSK	135	68	25.22	25.19	25.19	26.0	0.0	
50	PI/2 BPSK	135	135	25.28	25.22	25.23	26.0	0.0	
50	PI/2 BPSK	270	0	25.33	25.17	25.23			
50	QPSK	1	1	24.03	24.20	24.27	26.0	0.0	
50	QPSK	1	135	25.53	25.58	25.36			
50	QPSK	1	268	24.17	24.27	24.42			
50	QPSK	135	0	25.28	25.28	25.36		0.0	
50	QPSK	135	68	25.36	25.44	25.39	26.0	0.0	
50	QPSK	135	135	25.33	25.41	25.40	26.0	0.0	
50	QPSK	270	0	25.21	25.23	25.09			
50	16QAM	1	1	24.04	23.94	23.87	26.0	0.0	
50	64QAM	1	1	22.44	22.40	22.62	24.5	1.5	
50	256QAM	1	1	21.26	21.13	21.22	22.5	3.5	
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	26.0	0.0	
40	QPSK	1	1	24.04	23.94	23.87	26.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	26.0	0.0	
20	QPSK	1	1	23.90	23.91	23.95	26.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	26.0	0.0	
15	QPSK	1	1	24.08	23.90	24.01	26.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	26.0	0.0	
10	QPSK	1	1	23.88	23.83	24.01	26.0	0.0	

Par27Q n78_NSA Ant3 PC2 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			26.0	0.0	
Frequency (MHz)				3500.01					
50	PI/2 BPSK	1	1		24.31		26.0	0.0	
50	PI/2 BPSK	1	135		24.92				
50	PI/2 BPSK	1	268		24.14				
50	PI/2 BPSK	135	0		25.17		26.0	0.0	
50	PI/2 BPSK	135	68		24.93		26.0	0.0	
50	PI/2 BPSK	135	135		25.15		26.0	0.0	
50	PI/2 BPSK	270	0		24.95				
50	QPSK	1	1		24.10		26.0	0.0	
50	QPSK	1	135		25.24				
50	QPSK	1	268		23.92				
50	QPSK	135	0		25.10		26.0	0.0	
50	QPSK	135	68		24.93		26.0	0.0	
50	QPSK	135	135		25.01		26.0	0.0	
50	QPSK	270	0		24.94				
50	16QAM	1	1		23.89		26.0	0.0	
50	64QAM	1	1		22.41		24.5	1.5	
50	256QAM	1	1		20.98		22.5	3.5	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	26.0	0.0	
40	QPSK	1	1	25.15	25.01	25.30	26.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	26.0	0.0	
20	QPSK	1	1	25.12	25.12	25.22	26.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	26.0	0.0	
15	QPSK	1	1	25.04	25.14	25.15	26.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	26.0	0.0	
10	QPSK	1	1	25.06	25.11	25.33	26.0	0.0	



n5 Ant4_DSH1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166300	167300	167600	24.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.57	23.67	23.75		
20	PI2 BPSK	1	53	23.66	23.76	23.71		
20	PI2 BPSK	1	104	23.75	23.73	23.76	24.0	0.5
20	PI2 BPSK	50	0	23.35	23.39	23.34	24.5	0.0
20	PI2 BPSK	50	28	23.84	23.83	23.81	24.5	0.0
20	PI2 BPSK	50	56	23.27	23.36	23.46	24.0	0.5
20	PI2 BPSK	100	0	23.27	23.36	23.40	24.5	0.0
20	QPSK	1	1	23.68	23.65	23.75		
20	QPSK	1	53	23.63	23.77	23.72		
20	QPSK	1	104	23.63	23.62	23.74		
20	QPSK	50	0	22.82	22.96	22.87	23.5	1.0
20	QPSK	50	28	23.80	23.90	23.75	24.5	0.0
20	QPSK	50	56	22.77	22.79	22.68	23.5	1.0
20	QPSK	100	0	22.80	22.90	22.82	23.5	1.0
20	16QAM	1	1	22.32	22.36	22.43		
20	64QAM	1	1	21.00	20.86	20.94		
20	256QAM	1	1	19.36	19.47	19.48		
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	24.5	0.0
15	QPSK	1	1	23.66	23.65	23.54		
Channel				167200	167200	167300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	24.5	0.0
10	QPSK	1	1	23.60	23.53	23.42		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				841.5	836.5	844.5	24.5	0.0
5	QPSK	1	1	23.70	23.67	23.61		

n7 Ant4_DSH1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	19.0	0.0
Frequency (MHz)				2510	2535	2560		
20	PI2 BPSK	1	1	17.93	18.07	18.06		
20	PI2 BPSK	1	53	18.12	18.24	18.22		
20	PI2 BPSK	1	104	18.07	18.19	18.04	19.0	0.0
20	PI2 BPSK	50	0	18.08	18.23	18.07	19.0	0.0
20	PI2 BPSK	50	28	18.10	18.25	18.21	19.0	0.0
20	PI2 BPSK	50	56	18.08	18.12	18.01	19.0	0.0
20	PI2 BPSK	100	0	18.20	18.23	18.16	19.0	0.0
20	QPSK	1	1	17.92	18.11	18.05		
20	QPSK	1	53	18.16	18.33	18.27		
20	QPSK	1	104	18.12	18.14	17.96		
20	QPSK	50	0	18.15	18.23	18.15	19.0	0.0
20	QPSK	50	28	18.06	18.20	18.20	19.0	0.0
20	QPSK	50	56	18.16	18.12	18.03	19.0	0.0
20	QPSK	100	0	17.99	18.22	18.19	19.0	0.0
20	16QAM	1	1	17.81	17.88	17.84		
20	64QAM	1	1	17.68	17.87	17.70		
20	256QAM	1	1	17.68	17.84	17.77		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	19.0	0.0
15	QPSK	1	1	18.09	18.19	18.12		
Channel				511000	510000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	19.0	0.0
10	QPSK	1	1	18.11	18.10	18.03		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	19.0	0.0
5	QPSK	1	1	18.13	18.08	18.16		

n66 Ant4_DSH1								
BW [MHz]	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	346000	352000	20.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	18.57	18.55	18.49		
40	PI2 BPSK	1	108	19.17	19.25	19.34		
40	PI2 BPSK	1	214	18.77	18.88	18.54	20.0	0.0
40	PI2 BPSK	108	0	18.89	19.02	18.98	20.0	0.0
40	PI2 BPSK	108	54	19.34	19.30	19.09	20.0	0.0
40	PI2 BPSK	108	108	18.99	19.06	19.00	20.0	0.0
40	PI2 BPSK	216	0	18.95	19.07	18.92	20.0	0.0
40	QPSK	1	1	18.85	18.77	18.81		
40	QPSK	1	108	19.19	19.48	19.13		
40	QPSK	1	214	18.58	18.78	18.63		
40	QPSK	108	0	18.88	19.06	18.99	20.0	0.0
40	QPSK	108	54	19.32	19.46	19.19	20.0	0.0
40	QPSK	108	108	19.06	19.06	18.94	20.0	0.0
40	QPSK	216	0	19.33	19.41	19.39	20.0	0.0
40	16QAM	1	1	18.27	18.35	18.14		
40	64QAM	1	1	18.27	18.54	18.16		
40	256QAM	1	1	18.77	18.82	18.78		
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	20.0	0.0
30	QPSK	1	1	18.12	19.28	19.20		
Channel				345000	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	20.0	0.0
25	QPSK	1	1	19.16	19.44	19.31		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1774	20.0	0.0
20	QPSK	1	1	19.30	19.38	19.35		
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	20.0	0.0
15	QPSK	1	1	19.29	19.44	19.21		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	20.0	0.0
10	QPSK	1	1	19.15	19.37	19.23		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	20.0	0.0
5	QPSK	1	1	19.31	19.26	19.24		

n38 Ant4_DS11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	20.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	18.23	18.31	18.28	20.0	0.0
40	PI/2 BPSK	1	53	18.63	18.73	18.62		
40	PI/2 BPSK	1	104	18.95	19.04	19.03		
40	PI/2 BPSK	50	0	18.62	18.75	18.71		
40	PI/2 BPSK	50	28	18.89	18.94	18.88	20.0	0.0
40	PI/2 BPSK	50	56	19.00	19.02	18.97	20.0	0.0
40	PI/2 BPSK	100	0	18.84	18.93	18.89		
40	QPSK	1	1	18.26	18.37	18.33	20.0	0.0
40	QPSK	1	53	18.61	18.97	18.70		
40	QPSK	1	104	18.87	18.77	18.95		
40	QPSK	50	0	18.59	18.76	18.59		
40	QPSK	50	28	18.93	19.05	18.93	20.0	0.0
40	QPSK	50	56	18.88	19.02	18.93	20.0	0.0
40	QPSK	100	0	18.86	18.95	18.89		
40	16QAM	1	1	18.21	18.11	18.02	20.0	0.0
40	64QAM	1	1	18.01	18.06	18.06	20.0	0.0
40	256QAM	1	1	18.45	18.64	18.51	20.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2595	2610	20.0	0.0
20	QPSK	1	1	18.83	18.80	18.88	20.0	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	20.0	0.0
15	QPSK	1	1	18.81	18.70	18.73	20.0	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	20.0	0.0
10	QPSK	1	1	18.82	18.84	18.81	20.0	0.0
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615	20.0	0.0
5	QPSK	1	1	18.81	18.71	18.81	20.0	0.0

n41 Ant4_DS11 PC3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998	20.0	0.0
Frequency (MHz)				2521.02	2592.99	15.6		
50	PI/2 BPSK	1	1	18.71	18.66	18.72	20.0	0.0
50	PI/2 BPSK	1	135	19.09	19.07	19.11		
50	PI/2 BPSK	1	268	18.94	18.94	18.89		
50	PI/2 BPSK	135	0	19.09	19.08	19.09		
50	PI/2 BPSK	135	68	19.16	19.11	19.12	20.0	0.0
50	PI/2 BPSK	135	135	19.01	19.06	19.09	20.0	0.0
50	PI/2 BPSK	270	0	19.09	19.05	19.05		
50	QPSK	1	1	18.69	18.66	18.63	20.0	0.0
50	QPSK	1	135	19.18	19.18	19.10		
50	QPSK	1	268	19.01	19.03	19.04		
50	QPSK	135	0	19.09	19.04	19.05		
50	QPSK	135	68	19.05	19.07	18.99	20.0	0.0
50	QPSK	135	135	19.10	19.05	19.00	20.0	0.0
50	QPSK	270	0	19.08	19.04	18.96		
50	16QAM	1	1	18.44	18.45	18.46	20.0	0.0
50	64QAM	1	1	18.45	18.39	18.44	20.0	0.0
50	256QAM	1	1	18.97	18.97	18.97	19.0	1.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	20.0	0.0
40	QPSK	1	1	19.23	19.25	19.11	20.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	20.0	0.0
30	QPSK	1	1	19.09	19.12	19.12	20.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	20.0	0.0
20	QPSK	1	1	19.12	19.11	18.99	20.0	0.0
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	20.0	0.0
15	QPSK	1	1	19.17	19.18	18.98	20.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685	20.0	0.0
10	QPSK	1	1	19.16	19.17	19.10	20.0	0.0

Par27O n77 Ant5_DS1 PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	656000	663668	19.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	18.05	17.98	18.02			
50	PI/2 BPSK	1	135	18.19	18.23	18.21			
50	PI/2 BPSK	1	268	17.94	17.98	18.01	19.0	0.0	
50	PI/2 BPSK	135	0	18.30	18.26	18.23			
50	PI/2 BPSK	135	68	18.30	18.33	18.34			
50	PI/2 BPSK	135	135	18.27	18.24	18.30			
50	PI/2 BPSK	270	0	18.20	18.25	18.30	19.0	0.0	
50	QPSK	1	1	18.00	17.98	18.04			
50	QPSK	1	135	18.21	18.35	18.31			
50	QPSK	1	268	18.14	18.12	18.13			
50	QPSK	135	0	18.24	18.25	18.29	19.0	0.0	
50	QPSK	135	68	18.23	18.30	18.25			
50	QPSK	135	135	18.25	18.26	18.25			
50	QPSK	270	0	18.25	18.28	18.25			
50	16QAM	1	1	17.67	17.69	17.74	19.0	0.0	
50	64QAM	1	1	17.74	17.73	17.75			
50	256QAM	1	1	18.29	18.28	18.32			
Channel				648000	656000	664000	19.0	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.11	18.27	18.18		0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.08	18.07	18.31	19.0	0.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.07	18.22	18.15		0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.14	18.11	18.12		0.0	

Par27Q n77 Ant5_DS1 PC2&3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				631334	633334	635332	19.0	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
50	PI/2 BPSK	1	1	17.65	17.63	17.61			
50	PI/2 BPSK	1	135	17.91	17.91	17.91			
50	PI/2 BPSK	1	268	17.59	17.59	17.59	19.0	0.0	
50	PI/2 BPSK	135	0	17.93	17.93	17.93			
50	PI/2 BPSK	135	68	18.05	18.05	18.05			
50	PI/2 BPSK	135	135	17.96	17.96	17.96			
50	PI/2 BPSK	270	0	17.93	17.93	17.93	19.0	0.0	
50	QPSK	1	1	17.70	17.70	17.70			
50	QPSK	1	135	18.08	18.08	18.08			
50	QPSK	1	268	17.64	17.64	17.64			
50	QPSK	135	0	17.92	17.92	17.92	19.0	0.0	
50	QPSK	135	68	18.03	18.03	18.03			
50	QPSK	135	135	17.94	17.94	17.94			
50	QPSK	270	0	17.89	17.89	17.89			
50	16QAM	1	1	18.02	18.02	18.02	19.0	0.0	
50	64QAM	1	1	17.39	17.39	17.39			
50	256QAM	1	1	18.00	18.00	18.00			
Channel				631334	633334	635332	19.0	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	1	17.65	17.63	17.61		0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	17.65	17.57	17.65	19.0	0.0	
Channel				630500	633334	636166			
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	1	17.62	17.57	17.55		0.0	
Channel				630334	633334	636332			
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	1	17.61	17.60	17.57		0.0	

Par270 n78 Ant5_DS1 PC2&3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				648334	650000	651668	19.0	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	PI/2 BPSK	1	1	17.93	17.87	17.93	19.0	0.0
50	PI/2 BPSK	1	135	18.18	18.18	18.18		
50	PI/2 BPSK	1	268	18.03	18.01	17.99		
50	PI/2 BPSK	135	0	18.21	18.16	18.23		
50	PI/2 BPSK	135	68	18.24	18.24	18.20	19.0	0.0
50	PI/2 BPSK	135	135	18.25	18.23	18.18	19.0	0.0
50	PI/2 BPSK	270	0	18.17	18.17	18.16		
50	QPSK	1	1	17.87	17.83	17.82	19.0	0.0
50	QPSK	1	135	18.23	18.26	18.21		
50	QPSK	1	268	18.01	17.96	17.91		
50	QPSK	135	0	18.21	18.16	18.13		
50	QPSK	135	68	18.15	18.25	18.22	19.0	0.0
50	QPSK	135	135	18.20	18.23	18.19	19.0	0.0
50	QPSK	270	0	18.20	18.23	18.21		
50	16QAM	1	1	17.65	17.60	17.64	19.0	0.0
50	64QAM	1	1	17.68	17.64	17.64	19.0	0.0
50	256QAM	1	1	18.16	18.21	18.20	19.0	0.0
Channel				648000	650000	652000	19.0	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.23	18.23	18.02	19.0	0.0
Channel				647334	650000	652668	19.0	0.0
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.14	18.20	18.03	19.0	0.0
Channel				647168	650000	652834	19.0	0.0
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	18.24	18.13	18.06	19.0	0.0
Channel				647000	650000	653000	19.0	0.0
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	18.12	18.18	18.06	19.0	0.0

Par270 n78 Ant5_DS1 PC2&3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	635334	637334	19.0	0.0
Frequency (MHz)				3500.01	3500.01	3500.01		
50	PI/2 BPSK	1	1	17.70	17.70	17.70	19.0	0.0
50	PI/2 BPSK	1	135	17.96	17.96	17.96		
50	PI/2 BPSK	1	268	17.58	17.58	17.58		
50	PI/2 BPSK	135	0	17.90	17.90	17.90		
50	PI/2 BPSK	135	68	18.00	18.00	18.00	19.0	0.0
50	PI/2 BPSK	135	135	18.00	18.00	18.00	19.0	0.0
50	PI/2 BPSK	270	0	17.91	17.91	17.91		
50	QPSK	1	1	17.63	17.63	17.63	19.0	0.0
50	QPSK	1	135	18.05	18.05	18.05		
50	QPSK	1	268	17.66	17.66	17.66		
50	QPSK	135	0	17.84	17.84	17.84		
50	QPSK	135	68	17.87	17.87	17.87	19.0	0.0
50	QPSK	135	135	17.84	17.84	17.84	19.0	0.0
50	QPSK	270	0	17.88	17.88	17.88		
50	16QAM	1	1	17.50	17.50	17.50	19.0	0.0
50	64QAM	1	1	17.39	17.39	17.39	19.0	0.0
50	256QAM	1	1	17.92	17.92	17.92	19.0	0.0
Channel				631334	633334	635332	19.0	0.0
Frequency (MHz)				3470.01	3500.01	3529.98		
40	QPSK	1	1	18.07	18.03	18.01	19.0	0.0
Channel				630668	633334	636000	19.0	0.0
Frequency (MHz)				3460.02	3500.01	3540.00		
20	QPSK	1	1	18.23	17.97	18.03	19.0	0.0
Channel				630500	633334	636166	19.0	0.0
Frequency (MHz)				3457.5	3500.01	3542.49		
15	QPSK	1	1	18.14	18.01	17.94	19.0	0.0
Channel				630334	633334	636332	19.0	0.0
Frequency (MHz)				3455.01	3500.01	3544.98		
10	QPSK	1	1	18.16	17.93	17.97	19.0	0.0

Par27O n77_NSA Ant8 PC3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	656000	663668	23.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	21.05	21.05	21.12	23.0	0.0	
50	PI/2 BPSK	1	135	21.27	21.33	21.26			
50	PI/2 BPSK	1	268	21.06	21.09	21.15			
50	PI/2 BPSK	135	0	21.34	21.43	21.45	22.5	0.5	
50	PI/2 BPSK	135	68	21.32	21.44	21.42	23.0	0.0	
50	PI/2 BPSK	135	135	21.44	21.35	21.25	22.5	0.5	
50	PI/2 BPSK	270	0	21.34	21.41	21.34			
50	QPSK	1	1	21.47	21.50	21.35	23.0	0.0	
50	QPSK	1	135	21.31	21.34	21.33			
50	QPSK	1	268	21.16	21.08	21.10			
50	QPSK	135	0	21.41	21.40	21.46	22.0	1.0	
50	QPSK	135	68	21.38	21.47	21.28	23.0	0.0	
50	QPSK	135	135	21.37	21.41	21.39	22.0	1.0	
50	QPSK	270	0	21.44	21.45	21.36			
50	16QAM	1	1	20.45	20.35	20.27	22.0	1.0	
50	64QAM	1	1	20.39	20.33	20.22	20.5	2.5	
50	256QAM	1	1	20.54	20.56	20.45	20.0	3.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	23.0	0.0	
40	QPSK	1	1	21.40	21.44	21.32	23.0	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.20	21.41	21.20	23.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.61	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.44	21.30	21.21	23.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	21.28	3975	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.36	21.30	21.33	23.0	0.0	

Par27Q n77_NSA Ant8 PC3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				631334	633334	635332	23.0	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
50	PI/2 BPSK	1	1	21.14	21.14	21.14	23.0	0.0	
50	PI/2 BPSK	1	135	20.93	20.93	20.93			
50	PI/2 BPSK	1	268	21.10	21.10	21.10			
50	PI/2 BPSK	135	0	21.14	21.14	21.14	22.5	0.5	
50	PI/2 BPSK	135	68	21.12	21.12	21.12	23.0	0.0	
50	PI/2 BPSK	135	135	21.15	21.15	21.15	22.5	0.5	
50	PI/2 BPSK	270	0	21.07	21.07	21.07			
50	QPSK	1	1	21.22	21.22	21.22	23.0	0.0	
50	QPSK	1	135	20.86	20.86	20.86			
50	QPSK	1	268	21.06	21.06	21.06			
50	QPSK	135	0	21.17	21.17	21.17	22.0	1.0	
50	QPSK	135	68	21.20	21.20	21.20	23.0	0.0	
50	QPSK	135	135	21.12	21.12	21.12	22.0	1.0	
50	QPSK	270	0	21.09	21.09	21.09			
50	16QAM	1	1	20.60	20.60	20.60	22.0	1.0	
50	64QAM	1	1	20.19	20.19	20.19	20.5	2.5	
50	256QAM	1	1	19.32	19.32	19.32	20.0	3.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	21.05	21.09	21.08	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.11	21.10	21.10	23.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.11	21.08	21.11	23.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.00	21.02	21.07	23.0	0.0	

Par27O n78_NSA Ant8 PC3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	650000	651668	23.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	PI/2 BPSK	1	1	20.88	20.92	20.86	23.0	0.0	
50	PI/2 BPSK	1	135	21.39	21.28	21.26			
50	PI/2 BPSK	1	268	20.99	21.08	21.07			
50	PI/2 BPSK	135	0	21.39	21.27	21.31			
50	PI/2 BPSK	135	68	21.37	21.34	21.21	23.0	0.0	
50	PI/2 BPSK	135	135	21.26	21.32	21.24	22.5	0.5	
50	PI/2 BPSK	270	0	21.36	21.33	21.33			
50	QPSK	1	1	21.39	21.40	21.34	23.0	0.0	
50	QPSK	1	135	21.38	21.32	21.32			
50	QPSK	1	268	21.05	21.12	21.11			
50	QPSK	135	0	21.30	21.33	21.27			
50	QPSK	135	68	21.28	21.36	21.31	23.0	0.0	
50	QPSK	135	135	21.16	21.35	21.30	22.0	1.0	
50	QPSK	270	0	21.15	21.34	21.21			
50	16QAM	1	1	20.57	20.65	20.74	22.0	1.0	
50	64QAM	1	1	20.81	20.76	20.66	20.5	2.5	
50	256QAM	1	1	19.73	19.84	19.77	20.0	3.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	23.0	0.0	
40	QPSK	1	1	21.25	21.20	21.24			
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	23.0	0.0	
20	QPSK	1	1	21.24	21.33	21.25			
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	23.0	0.0	
15	QPSK	1	1	21.37	21.30	21.30			
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	23.0	0.0	
10	QPSK	1	1	21.21	21.18	21.35			

Par27Q n78_NSA Ant8 PC3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				631334	633334	635334	23.0	0.0	
Frequency (MHz)				3470.01	3500.01	3530.01			
50	PI/2 BPSK	1	1	21.20			23.0	0.0	
50	PI/2 BPSK	1	135	20.74					
50	PI/2 BPSK	1	268	20.40					
50	PI/2 BPSK	135	0	21.29					
50	PI/2 BPSK	135	68	21.24			23.0	0.0	
50	PI/2 BPSK	135	135	21.20			22.5	0.5	
50	PI/2 BPSK	270	0	21.29					
50	QPSK	1	1	21.34			23.0	0.0	
50	QPSK	1	135	20.69					
50	QPSK	1	268	20.38					
50	QPSK	135	0	21.31					
50	QPSK	135	68	21.32			23.0	0.0	
50	QPSK	135	135	21.24			22.0	1.0	
50	QPSK	270	0	21.24					
50	16QAM	1	1	20.23			22.0	1.0	
50	64QAM	1	1	20.26			20.5	2.5	
50	256QAM	1	1	19.39			20.0	3.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	23.0	0.0	
40	QPSK	1	1	21.24	21.23	21.23			
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	23.0	0.0	
20	QPSK	1	1	21.18	21.24	21.28			
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	23.0	0.0	
15	QPSK	1	1	21.24	21.11	21.29			
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	23.0	0.0	
10	QPSK	1	1	21.25	21.20	21.24			

n5_SA&NSA Ant0 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	25.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	24.35	24.30	24.25			
20	PI/2 BPSK	1	53	24.33	24.38	24.36	25.0	0.5	0.0
20	PI/2 BPSK	1	104	24.32	24.27	24.24			
20	PI/2 BPSK	50	0	23.96	23.96	24.03			
20	PI/2 BPSK	50	28	24.44	24.43	24.42	25.0	0.5	
20	PI/2 BPSK	50	56	23.90	23.84	23.81			
20	PI/2 BPSK	100	0	23.90	23.94	23.89			
20	QPSK	1	1	24.33	24.48	24.44	25.5	0.0	
20	QPSK	1	53	24.38	24.35	24.34			
20	QPSK	1	104	24.27	24.23	24.24			
20	QPSK	50	0	23.53	23.49	23.49	24.5	1.0	
20	QPSK	50	28	24.30	24.34	24.28	25.5	0.0	
20	QPSK	50	56	23.39	23.34	23.36	24.5	1.0	
20	QPSK	100	0	23.47	23.54	23.41			
20	16QAM	1	1	23.07	23.04	23.07	24.5	1.0	
20	64QAM	1	1	21.60	21.57	21.62	23.0	2.5	
20	256QAM	1	1	20.16	20.18	20.15	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0	
15	QPSK	1	1	24.27	24.31	24.29			
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	25.5	0.0	
10	QPSK	1	1	24.17	24.16	24.22			
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	25.5	0.0	
5	QPSK	1	1	24.24	24.23	24.22			

n7_SA&NSA Ant0 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	20.31	20.41	20.30	21.5	0.0	
20	PI/2 BPSK	1	53	20.28	20.46	20.40			
20	PI/2 BPSK	1	104	20.36	20.48	20.36			
20	PI/2 BPSK	50	0	20.49	20.50	20.38	21.5	0.0	
20	PI/2 BPSK	50	28	20.40	20.47	20.46	21.5	0.0	
20	PI/2 BPSK	50	56	20.29	20.42	20.25	21.5	0.0	
20	PI/2 BPSK	100	0	20.34	20.41	20.29			
20	QPSK	1	1	20.15	20.21	20.33			
20	QPSK	1	53	20.38	20.51	20.43	21.5	0.0	
20	QPSK	1	104	20.18	20.32	20.25			
20	QPSK	50	0	20.31	20.43	20.28			
20	QPSK	50	28	20.38	20.46	20.40	21.5	0.0	
20	QPSK	50	56	20.35	20.37	20.30	21.5	0.0	
20	QPSK	100	0	20.27	20.37	20.28			
20	16QAM	1	1	19.99	20.07	19.88			
20	64QAM	1	1	18.53	18.60	18.59	21.5	0.0	
20	256QAM	1	1	17.14	17.20	17.20	20.0	1.5	
Channel				501500	507000	512500	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	20.31	20.36	20.32	21.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	20.17	20.26	20.24	21.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	20.29	20.35	20.38	21.5	0.0	

n38_SA&NSA Ant0 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	20.72	21.00	20.88	22.5	0.0	
40	PI/2 BPSK	1	53	21.46	21.45	21.45			
40	PI/2 BPSK	1	104	20.85	20.88	20.98			
40	PI/2 BPSK	50	0	20.77	20.85	20.81	22.5	0.0	
40	PI/2 BPSK	50	28	21.46	21.32	21.30	22.5	0.0	
40	PI/2 BPSK	50	56	20.79	20.73	20.76	22.5	0.0	
40	PI/2 BPSK	100	0	20.75	20.79	20.98			
40	QPSK	1	1	21.33	21.06	21.17			
40	QPSK	1	53	21.63	21.79	21.57	22.5	0.0	
40	QPSK	1	104	20.84	21.10	20.76			
40	QPSK	50	0	21.27	21.28	21.16			
40	QPSK	50	28	21.44	21.79	21.50	22.5	0.0	
40	QPSK	50	56	21.14	21.23	21.36	22.5	0.0	
40	QPSK	100	0	21.11	21.35	21.32			
40	16QAM	1	1	20.59	20.64	20.40			
40	64QAM	1	1	20.01	20.19	20.05	22.0	0.5	
40	256QAM	1	1	19.20	19.24	19.27	21.0	1.5	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	21.45	21.12	21.23	22.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	21.22	21.03	21.31	22.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	21.31	21.35	21.42	22.5	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
5	QPSK	1	1	21.21	21.38	21.22	22.5	0.0	

n41_SA&NSA Ant0 PC2&3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	Pl/2 BPSK	1	1	20.22	20.05	20.15	22.5		0.0
50	Pl/2 BPSK	1	135	20.18	20.41	20.20			
50	Pl/2 BPSK	1	268	19.99	19.94	20.07			
50	Pl/2 BPSK	135	0	20.34	20.24	20.35	22.5		0.0
50	Pl/2 BPSK	135	68	20.17	20.36	20.37	22.5		0.0
50	Pl/2 BPSK	135	135	20.21	20.32	20.45	22.5		0.0
50	Pl/2 BPSK	270	0	20.49	20.42	20.42			
50	QPSK	1	1	19.96	20.42	20.09			
50	QPSK	1	135	20.05	20.56	20.32	22.5		0.0
50	QPSK	1	268	20.35	19.85	20.53			
50	QPSK	135	0	20.34	20.30	20.38			
50	QPSK	135	68	20.11	20.36	20.17	22.5		0.0
50	QPSK	135	135	20.21	20.05	19.96	22.5		0.0
50	QPSK	270	0	19.83	20.14	19.93			
50	16QAM	1	1	20.29	20.37	20.07			
50	64QAM	1	1	19.94	19.99	20.02	22.5		0.5
50	256QAM	1	1	19.30	19.53	19.48	21.0		1.5
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	20.20	20.23	20.23	22.5		0.0
Channel				502200	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	20.09	20.36	20.12	22.5		0.0
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	20.13	20.30	20.08	22.5		0.0
Channel				500700	518598	536498	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	20.32	20.26	20.11	22.5		0.0
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	20.25	20.29	20.13	22.5		0.0

n66_SA&NSA Ant1 DSI2								
BW [MHz]	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	PI/2 BPSK	1	1	23.50	23.62	23.60	24.5	0.0
40	PI/2 BPSK	1	108	23.93	24.12	24.02		
40	PI/2 BPSK	1	214	23.58	23.64	23.52		
40	PI/2 BPSK	108	0	23.55	23.44	23.33		
40	PI/2 BPSK	108	54	24.08	24.11	24.05		
40	PI/2 BPSK	108	108	23.49	23.38	23.40	24.0	0.5
40	PI/2 BPSK	216	0	23.57	23.47	23.59		
40	QPSK	1	1	24.00	23.60	23.99	24.5	0.0
40	QPSK	1	108	23.96	24.16	24.06		
40	QPSK	1	214	23.52	23.59	23.59		
40	QPSK	108	0	23.01	22.92	22.87		
40	QPSK	108	54	23.99	24.09	23.97		
40	QPSK	108	108	22.76	22.86	22.97	23.5	1.0
40	QPSK	216	0	22.83	22.94	22.92		
40	16QAM	1	1	22.17	22.28	22.32	23.5	1.0
40	64QAM	1	1	20.91	20.93	21.01		
40	256QAM	1	1	19.57	19.47	19.45	20.0	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	24.5	0.0
30	QPSK	1	1	23.75	23.78	23.89		
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	24.5	0.0
25	QPSK	1	1	24.05	23.94	23.89		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	24.5	0.0
20	QPSK	1	1	24.12	24.02	23.97		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	24.5	0.0
15	QPSK	1	1	23.99	24.03	23.95		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24.5	0.0
10	QPSK	1	1	23.94	23.87	23.84		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.5	0.0
5	QPSK	1	1	23.92	24.05	23.97		

n77_NSA Ant1 PC3 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				648334	656000	663668	23.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	PI/2 BPSK	1	1	20.96	21.01	20.93	23.0	0.0
50	PI/2 BPSK	1	135	21.29	21.31	21.26		
50	PI/2 BPSK	1	268	20.99	21.09	21.03		
50	PI/2 BPSK	135	0	21.30	21.22	21.18	23.0	0.0
50	PI/2 BPSK	135	68	21.37	21.33	21.34	23.0	0.0
50	PI/2 BPSK	135	135	21.32	21.24	21.25	23.0	0.0
50	PI/2 BPSK	270	0	21.28	21.34	21.23		
50	QPSK	1	1	20.99	21.08	20.96	23.0	0.0
50	QPSK	1	135	21.28	21.38	21.35		
50	QPSK	1	268	21.22	21.16	21.18		
50	QPSK	135	0	21.24	21.19	21.11	22.0	1.0
50	QPSK	135	68	21.30	21.31	21.24	23.0	0.0
50	QPSK	135	135	21.25	21.26	21.21	22.0	1.0
50	QPSK	270	0	21.18	21.23	21.22	22.0	1.0
50	16QAM	1	1	20.69	20.68	20.73		
50	64QAM	1	1	20.80	20.72	20.76		
50	256QAM	1	1	19.73	19.77	19.68	20.0	3.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	23.0	0.0
40	QPSK	1	1	21.21	21.15	21.27	23.0	0.0
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.14	21.05	20.97	23.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.62	3840	3972.61	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.16	21.00	21.10	23.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	23.0	0.0
10	QPSK	1	1	21.33	21.27	21.31		

Par27Q n77_NSA Ant1 PC3 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334	633334	23.0	0.0
Frequency (MHz)				3500.01	3500.01	3500.01		
50	PI/2 BPSK	1	1	20.67	20.67	20.67	23.0	0.0
50	PI/2 BPSK	1	135	21.05	21.05	21.05		
50	PI/2 BPSK	1	268	20.70	20.70	20.70		
50	PI/2 BPSK	135	0	20.94	20.94	20.94	23.0	0.0
50	PI/2 BPSK	135	68	21.09	21.09	21.09	23.0	0.0
50	PI/2 BPSK	135	135	21.03	21.03	21.03	23.0	0.0
50	PI/2 BPSK	270	0	20.94	20.94	20.94		
50	QPSK	1	1	20.71	20.71	20.71	23.0	0.0
50	QPSK	1	135	21.12	21.12	21.12		
50	QPSK	1	268	20.77	20.77	20.77		
50	QPSK	135	0	20.91	20.91	20.91	22.0	1.0
50	QPSK	135	68	21.10	21.10	21.10	23.0	0.0
50	QPSK	135	135	20.97	20.97	20.97	22.0	1.0
50	QPSK	270	0	20.99	20.99	20.99		
50	16QAM	1	1	20.36	20.36	20.36	22.0	1.0
50	64QAM	1	1	20.45	20.45	20.45	21.0	2.0
50	256QAM	1	1	19.55	19.55	19.55	20.0	3.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	20.74	20.85	20.91	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.78	20.74	20.75	23.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.49	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.01	20.83	20.81	23.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.56	20.65	20.75	23.0	0.0

n78_NSA Ant1 PC3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				646334	650000	651668	23.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	PI/2 BPSK	1	1	20.82	20.72	20.68	23.0	0.0	
50	PI/2 BPSK	1	135	21.14	21.15	21.06			
50	PI/2 BPSK	1	268	20.94	21.01	20.91			
50	PI/2 BPSK	135	0	21.10	21.17	21.08			
50	PI/2 BPSK	135	68	21.13	21.21	21.13	23.0	0.0	
50	PI/2 BPSK	135	135	21.21	21.23	21.17			
50	PI/2 BPSK	270	0	21.17	21.22	21.11			
50	QPSK	1	1	20.79	20.78	20.79			
50	QPSK	1	135	21.08	21.29	21.05	23.0	0.0	
50	QPSK	1	268	20.94	20.94	20.95			
50	QPSK	135	0	21.14	21.14	21.24			
50	QPSK	135	68	21.20	21.25	21.21			
50	QPSK	135	135	21.18	21.18	21.13	22.0	1.0	
50	QPSK	270	0	21.11	21.17	21.13			
50	16QAM	1	1	20.49	20.49	20.54			
50	64QAM	1	1	20.67	20.55	20.47			
50	256QAM	1	1	19.55	19.67	19.79	20.0	3.0	
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	23.0	0.0	
40	QPSK	1	1	20.91	20.87	20.85	23.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	23.0	0.0	
20	QPSK	1	1	21.11	21.03	21.13	23.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	23.0	0.0	
15	QPSK	1	1	21.03	20.99	21.10	23.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	23.0	0.0	
10	QPSK	1	1	20.95	20.89	20.88	23.0	0.0	

Par27Q n78_NSA Ant1 PC3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				631334	633334	635334	23.0	0.0	
Frequency (MHz)				3470.01	3500.01	3530.01			
50	PI/2 BPSK	1	1	20.42	20.42	20.42	23.0	0.0	
50	PI/2 BPSK	1	135	20.76	20.76	20.76			
50	PI/2 BPSK	1	268	20.50	20.50	20.50			
50	PI/2 BPSK	135	0	20.83	20.83	20.83			
50	PI/2 BPSK	135	68	20.82	20.82	20.82	23.0	0.0	
50	PI/2 BPSK	135	135	20.76	20.76	20.76			
50	PI/2 BPSK	270	0	20.81	20.81	20.81			
50	QPSK	1	1	20.45	20.45	20.45			
50	QPSK	1	135	20.88	20.88	20.88	23.0	0.0	
50	QPSK	1	268	20.43	20.43	20.43			
50	QPSK	135	0	20.73	20.73	20.73			
50	QPSK	135	68	20.79	20.79	20.79			
50	QPSK	135	135	20.77	20.77	20.77	22.0	1.0	
50	QPSK	270	0	20.75	20.75	20.75			
50	16QAM	1	1	20.18	20.18	20.18			
50	64QAM	1	1	20.21	20.21	20.21			
50	256QAM	1	1	19.34	19.34	19.34	20.0	3.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	23.0	0.0	
40	QPSK	1	1	20.42	20.32	20.25	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	23.0	0.0	
20	QPSK	1	1	20.46	20.57	20.50	23.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	23.0	0.0	
15	QPSK	1	1	20.68	20.62	20.72	23.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	23.0	0.0	
10	QPSK	1	1	20.51	20.45	20.47	23.0	0.0	

n7_SA&NSA Ant2 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	22.80	22.86	22.74	24.5	0.0
20	PI/2 BPSK	1	53	22.96	22.94	22.87		
20	PI/2 BPSK	1	104	22.88	22.97	22.85		
20	PI/2 BPSK	50	0	22.38	22.46	22.58		
20	PI/2 BPSK	50	28	22.86	22.90	22.77	24.5	0.0
20	PI/2 BPSK	50	58	22.34	22.43	22.51	24.0	0.5
20	PI/2 BPSK	100	0	22.46	22.46	22.53		
20	QPSK	1	1	22.78	22.99	22.86	24.5	0.0
20	QPSK	1	53	22.86	22.89	22.94		
20	QPSK	1	104	22.92	22.81	22.87		
20	QPSK	50	0	21.80	21.92	21.85	23.5	1.0
20	QPSK	50	28	22.83	22.90	22.80	24.5	0.0
20	QPSK	50	58	21.93	21.86	21.76	23.5	1.0
20	QPSK	100	0	21.85	21.92	21.90		
20	16QAM	1	1	21.58	21.59	21.61	23.5	1.0
20	64QAM	1	1	20.06	20.11	20.05	22.0	2.5
20	256QAM	1	1	18.60	18.52	18.49	20.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.85	22.87	22.91	24.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.90	22.95	22.83	24.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.93	22.84	22.76	24.5	0.0

n66_SA&NSA Ant2 DSI2								
BW [MHz]	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	PI/2 BPSK	1	1	22.64	22.54	22.62	24.5	0.0
40	PI/2 BPSK	1	108	23.20	23.18	23.20		
40	PI/2 BPSK	1	214	22.63	22.69	22.79		
40	PI/2 BPSK	108	0	22.51	22.57	22.51		
40	PI/2 BPSK	108	54	23.21	23.21	23.08	24.5	0.0
40	PI/2 BPSK	108	108	22.64	22.54	22.51	24.0	0.5
40	PI/2 BPSK	216	0	22.61	22.56	22.64		
40	QPSK	1	1	22.58	22.55	22.51	24.5	0.0
40	QPSK	1	108	23.08	23.27	23.14		
40	QPSK	1	214	22.72	22.63	22.56		
40	QPSK	108	0	22.05	21.99	21.96	23.5	1.0
40	QPSK	108	54	23.07	23.13	23.08	24.5	0.0
40	QPSK	108	108	21.98	21.99	22.09	23.5	1.0
40	QPSK	216	0	21.97	22.02	21.99		
40	16QAM	1	1	21.57	21.53	21.51	23.5	1.0
40	64QAM	1	1	20.11	20.09	20.04	22.0	2.5
40	256QAM	1	1	18.40	18.45	18.53	20.0	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.71	22.79	22.73	24.5	0.0
Channel				344600	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	22.83	22.93	22.90	24.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.91	23.02	22.97	24.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.99	23.08	23.00	24.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.88	22.92	22.98	24.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.23	23.14	23.17	24.5	0.0

n38_SA&NSA Ant2 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	24.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.48	23.51	23.41	24.5	0.0	
40	PI/2 BPSK	1	53	23.68	23.56	23.63			
40	PI/2 BPSK	1	104	23.42	23.51	23.61			
40	PI/2 BPSK	50	0	23.03	23.13	23.10	24.0	0.5	
40	PI/2 BPSK	50	28	23.69	23.68	23.67	24.5	0.0	
40	PI/2 BPSK	50	56	23.50	23.66	23.62	24.0	0.5	
40	PI/2 BPSK	100	0	23.39	23.34	23.39			
40	QPSK	1	1	23.49	23.70	23.63	24.5	0.0	
40	QPSK	1	53	23.44	23.53	23.55			
40	QPSK	1	104	23.54	23.59	23.63			
40	QPSK	50	0	22.50	22.46	22.48	23.5	1.0	
40	QPSK	50	28	23.67	23.68	23.63	24.5	0.0	
40	QPSK	50	56	23.53	23.65	23.62	23.5	1.0	
40	QPSK	100	0	22.66	22.76	22.68			
40	16QAM	1	1	21.75	21.74	21.66	23.5	1.0	
40	64QAM	1	1	20.15	20.24	20.19	22.0	2.5	
40	256QAM	1	1	18.85	18.95	18.91	20.0	4.5	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	24.5	0.0	
20	QPSK	1	1	23.37	23.63	23.57	24.5	0.0	
Channel				515592	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	24.5	0.0	
15	PI/2 BPSK	1	1	23.47	23.57	23.54	24.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	24.5	0.0	
10	PI/2 BPSK	1	1	23.34	23.70	23.43	24.5	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	24.5	0.0	
5	QPSK	1	1	23.50	23.50	23.54	24.5	0.0	

n41_SA&NSA Ant2 PC3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998	24.5	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	23.62	23.63	23.40	24.5	0.0	
50	PI/2 BPSK	1	135	23.74	23.66	23.66			
50	PI/2 BPSK	1	268	23.54	23.65	23.77			
50	PI/2 BPSK	135	0	22.98	23.09	23.08	24.0	0.5	
50	PI/2 BPSK	135	68	23.77	23.70	23.73	24.5	0.0	
50	PI/2 BPSK	135	135	23.50	23.67	23.70	24.0	0.5	
50	PI/2 BPSK	270	0	23.51	23.40	23.34			
50	QPSK	1	1	23.65	23.78	23.59	24.5	0.0	
50	QPSK	1	135	23.49	23.49	23.63			
50	QPSK	1	268	23.65	23.66	23.73			
50	QPSK	135	0	22.55	22.73	22.42	23.5	1.0	
50	QPSK	135	68	23.58	23.73	23.72	24.5	0.0	
50	QPSK	135	135	23.52	23.60	23.70	23.5	1.0	
50	QPSK	270	0	22.70	22.72	22.63			
50	16QAM	1	1	21.81	21.74	21.67	23.5	1.0	
50	64QAM	1	1	20.28	20.37	20.26	22.0	2.5	
50	256QAM	1	1	18.87	19.06	19.03	20.0	4.5	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	24.5	0.0	
40	QPSK	1	1	23.20	23.25	23.17	24.5	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	24.5	0.0	
30	QPSK	1	1	23.49	23.53	23.44	24.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	24.5	0.0	
20	QPSK	1	1	23.71	23.68	23.71	24.5	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	24.5	0.0	
15	QPSK	1	1	23.56	23.58	23.75	24.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	24.5	0.0	
10	QPSK	1	1	23.74	23.70	23.69	24.5	0.0	

n77_SA&NSA Ant3 PC3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	656000	663668	24.5	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	23.13	23.15	23.19	24.5	0.0	
50	PI/2 BPSK	1	135	23.39	23.43	23.47			
50	PI/2 BPSK	1	268	23.22	23.21	23.17			
50	PI/2 BPSK	135	0	23.42	23.45	23.42	24.0	0.5	
50	PI/2 BPSK	135	68	23.49	23.46	23.30	24.5	0.0	
50	PI/2 BPSK	135	135	23.45	23.47	23.43	24.0	0.5	
50	PI/2 BPSK	270	0	23.46	23.49	23.48			
50	QPSK	1	1	23.10	23.11	23.21	24.5	0.0	
50	QPSK	1	135	23.44	23.50	23.41			
50	QPSK	1	268	23.25	23.26	23.27			
50	QPSK	135	0	23.35	23.36	23.35	23.5	1.0	
50	QPSK	135	68	23.44	23.48	23.30	24.5	0.0	
50	QPSK	135	135	23.42	23.40	23.43	23.5	1.0	
50	QPSK	270	0	23.35	23.43	23.20	23.5	1.0	
50	16QAM	1	1	22.93	22.88	22.95			
50	64QAM	1	1	22.91	22.94	22.89			
50	256QAM	1	1	22.07	22.01	21.97	20.0	4.5	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	24.5	0.0	
40	QPSK	1	1	23.08	23.05	23.03	24.5	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.01	22.98	22.95	24.5	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.61	24.5	0.0	
15	QPSK	1	1	23.08	23.03	23.00	24.5	0.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.91	22.91	22.89	24.5	0.0	

Par27Q n77_NSA Ant3 PC3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	633334	24.5	0.0	
Frequency (MHz)				3500.01	3500.01	3500.01			
50	PI/2 BPSK	1	1	22.71	22.71	22.71	24.5	0.0	
50	PI/2 BPSK	1	135	22.97	22.97	22.97			
50	PI/2 BPSK	1	268	22.67	22.67	22.67			
50	PI/2 BPSK	135	0	22.95	22.95	22.95	24.0	0.5	
50	PI/2 BPSK	135	68	23.08	23.08	23.08	24.5	0.0	
50	PI/2 BPSK	135	135	23.01	23.01	23.01	24.0	0.5	
50	PI/2 BPSK	270	0	22.94	22.94	22.94			
50	QPSK	1	1	22.65	22.65	22.65	24.5	0.0	
50	QPSK	1	135	23.11	23.11	23.11			
50	QPSK	1	268	22.65	22.65	22.65			
50	QPSK	135	0	22.81	22.81	22.81	23.5	1.0	
50	QPSK	135	68	23.01	23.01	23.01	24.5	0.0	
50	QPSK	135	135	22.98	22.98	22.98	23.5	1.0	
50	QPSK	270	0	22.92	22.92	22.92	23.5	1.0	
50	16QAM	1	1	22.47	22.47	22.47			
50	64QAM	1	1	22.53	22.53	22.53			
50	256QAM	1	1	21.83	21.83	21.83	20.0	4.5	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	24.5	0.0	
40	QPSK	1	1	22.65	22.68	22.72	24.5	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.58	22.53	22.49	24.5	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	24.5	0.0	
15	QPSK	1	1	22.65	22.52	22.55	24.5	0.0	
Channel				630334	633334	636332			
Frequency (MHz)				3455.01	3500.01	3544.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.75	22.72	22.68	24.5	0.0	

n77_SA&NSA Ant3 PC2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	656000	663668	27.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	26.10	26.07	26.15	27.0	0.0	
50	PI/2 BPSK	1	135	26.40	26.35	26.44			
50	PI/2 BPSK	1	268	26.23	26.33	26.36			
50	PI/2 BPSK	135	0	25.86	25.98	26.06	26.5	0.5	
50	PI/2 BPSK	135	68	26.39	26.41	26.31	27.0	0.0	
50	PI/2 BPSK	135	135	26.13	26.09	26.08	26.5	0.5	
50	PI/2 BPSK	270	0	26.13	26.03	26.02			
50	QPSK	1	1	25.99	26.00	25.93	27.0	0.0	
50	QPSK	1	135	26.39	26.47	26.39			
50	QPSK	1	268	26.33	26.27	26.16			
50	QPSK	135	0	25.32	25.40	25.30	26.0	1.0	
50	QPSK	135	68	26.34	26.45	26.38	27.0	0.0	
50	QPSK	135	135	25.58	25.58	25.55	26.0	1.0	
50	QPSK	270	0	25.49	25.51	25.36	26.0	1.0	
50	16QAM	1	1	24.18	24.19	24.17			
50	64QAM	1	1	22.84	22.84	22.74	24.5	2.5	
50	256QAM	1	1	21.85	21.91	22.01	22.5	4.5	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	27.0	0.0	
40	QPSK	1	1	26.04	25.99	25.95	27.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	27.0	0.0	
20	QPSK	1	1	25.70	25.73	25.77	27.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.61	27.0	0.0	
15	QPSK	1	1	25.87	25.70	25.73	27.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	27.0	0.0	
10	QPSK	1	1	25.68	25.81	25.92	27.0	0.0	

Par27Q n77_NSAAnt3 PC2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	633334	27.0	0.0	
Frequency (MHz)				3500.01	3500.01	3500.01			
50	PI/2 BPSK	1	1	25.77	25.87	25.91	27.0	0.0	
50	PI/2 BPSK	1	135	26.07	26.16	26.17			
50	PI/2 BPSK	1	268	25.82	25.84	25.86			
50	PI/2 BPSK	135	0	25.71	25.72	25.77	26.5	0.5	
50	PI/2 BPSK	135	68	26.24	26.28	26.17	27.0	0.0	
50	PI/2 BPSK	135	135	25.87	25.82	25.70	26.5	0.5	
50	PI/2 BPSK	270	0	25.79	25.69	25.64			
50	QPSK	1	1	25.89	25.81	25.71	27.0	0.0	
50	QPSK	1	135	26.09	26.30	26.08			
50	QPSK	1	268	25.71	25.83	25.78			
50	QPSK	135	0	25.15	25.14	25.12	26.0	1.0	
50	QPSK	135	68	26.19	26.28	26.20	27.0	0.0	
50	QPSK	135	135	25.11	25.15	25.06	26.0	1.0	
50	QPSK	270	0	25.12	25.16	25.11	26.0	1.0	
50	16QAM	1	1	23.96	24.07	23.96			
50	64QAM	1	1	22.53	22.63	22.58	24.5	2.5	
50	256QAM	1	1	21.23	21.16	21.05	22.5	4.5	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	27.0	0.0	
40	QPSK	1	1	25.31	25.32	25.39	27.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	27.0	0.0	
20	QPSK	1	1	25.40	25.48	25.53	27.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	27.0	0.0	
15	QPSK	1	1	25.33	25.44	25.43	27.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	27.0	0.0	
10	QPSK	1	1	25.30	25.36	25.26	27.0	0.0	

n78_SA&NSA Ant3 PC3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				646334	650000	651668	24.5	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	Pl/2 BPSK	1	1	22.93	22.86	22.91			
50	Pl/2 BPSK	1	135	23.38	23.41	23.38	24.0	0.5	
50	Pl/2 BPSK	1	268	23.19	23.23	23.23			
50	Pl/2 BPSK	135	0	23.38	23.44	23.42			
50	Pl/2 BPSK	135	68	23.40	23.47	23.41	24.0	0.5	
50	Pl/2 BPSK	135	135	23.46	23.45	23.43			
50	Pl/2 BPSK	270	0	23.39	23.46	23.40			
50	QPSK	1	1	23.04	22.95	22.90	24.5	0.0	
50	QPSK	1	135	23.35	23.49	23.38			
50	QPSK	1	268	23.24	23.27	23.34			
50	QPSK	135	0	23.43	23.42	23.36	23.5	1.0	
50	QPSK	135	68	23.44	23.46	23.42			
50	QPSK	135	135	23.37	23.43	23.44			
50	QPSK	270	0	23.31	23.40	23.36	23.5	1.0	
50	16QAM	1	1	22.87	22.83	22.84			
50	64QAM	1	1	22.86	22.88	22.84		2.5	
50	256QAM	1	1	22.05	21.98	21.97	20.0		
Channel				646000	650000	652000	24.5	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	23.00	23.02	23.04			
Channel				647334	650000	652668	24.5	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	23.06	22.99	22.95			
Channel				647168	650000	652834	24.5	MPR (dB)	
Frequency (MHz)				3707.62	3750	3792.61			
15	QPSK	1	1	22.96	23.00	23.05			
Channel				647000	650000	653000	24.5	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	22.40	22.42	22.44			

Par27Q n78_NSA Ant3 PC3 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			24.5	0.0
Frequency (MHz)				3500.01				
50	Pl/2 BPSK	1	1	23.05				
50	Pl/2 BPSK	1	135	23.13			24.5	0.0
50	Pl/2 BPSK	1	268	22.83				
50	Pl/2 BPSK	135	0	23.18				
50	Pl/2 BPSK	135	68	23.25			24.5	0.0
50	Pl/2 BPSK	135	135	23.10				
50	Pl/2 BPSK	270	0	23.07				
50	QPSK	1	1	22.83			24.5	0.0
50	QPSK	1	135	23.26				
50	QPSK	1	268	22.81				
50	QPSK	135	0	23.15			24.5	0.0
50	QPSK	135	68	23.24				
50	QPSK	135	135	23.16				
50	QPSK	270	0	23.14			24.5	0.0
50	16QAM	1	1	22.58				
50	64QAM	1	1	22.61				
50	256QAM	1	1	21.79				
Channel				631334	633334	635332	24.5	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	QPSK	1	1	22.92	22.91	22.90		
Channel				630668	633334	636000	24.5	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.97	22.96	23.02		
Channel				630500	633334	636168	24.5	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.49		
15	QPSK	1	1	23.19	23.15	23.01		
Channel				630334	633334	636332	24.5	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98		
10	QPSK	1	1	23.11	23.07	23.13		

n78_SA&NSA Ant3 PC2 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				646334	650000	651668	27.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	PI/2 BPSK	1	1	26.16	26.08	26.12	27.0	0.0	
50	PI/2 BPSK	1	135	26.52	26.56	26.57			
50	PI/2 BPSK	1	268	26.43	26.45	26.49			
50	PI/2 BPSK	135	0	26.11	26.14	26.11			
50	PI/2 BPSK	135	68	26.66	26.70	26.69	27.0	0.0	
50	PI/2 BPSK	135	135	26.12	26.09	26.14	26.5	0.5	
50	PI/2 BPSK	270	0	26.00	26.04	26.09			
50	QPSK	1	1	26.19	26.20	26.19	27.0	0.0	
50	QPSK	1	135	26.64	26.73	26.62			
50	QPSK	1	268	26.25	26.28	26.29			
50	QPSK	135	0	25.53	25.53	25.53		1.0	
50	QPSK	135	68	26.65	26.70	26.61	27.0	0.0	
50	QPSK	135	135	25.49	25.47	25.45	26.0	1.0	
50	QPSK	270	0	25.55	25.70	25.66			
50	16QAM	1	1	24.39	24.36	24.35	26.0	1.0	
50	64QAM	1	1	22.92	22.95	22.92	24.5	2.5	
50	256QAM	1	1	21.48	21.47	21.50	22.5	4.5	
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	27.0	0.0	
40	QPSK	1	1	26.60	26.66	26.71	27.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	27.0	0.0	
20	QPSK	1	1	26.55	26.51	26.57	27.0	0.0	
Channel				647168	650000	652634	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	27.0	0.0	
15	QPSK	1	1	26.40	26.40	26.48	27.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	27.0	0.0	
10	QPSK	1	1	26.62	26.61	26.67	27.0	0.0	

Par27Q n78_NSA Ant3 PC2 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	633334	27.0	0.0	
Frequency (MHz)				3500.01	3500.01	3500.01			
50	PI/2 BPSK	1	1	26.02	26.02	26.02	27.0	0.0	
50	PI/2 BPSK	1	135	26.17	26.17	26.17			
50	PI/2 BPSK	1	268	26.00	26.00	26.00			
50	PI/2 BPSK	135	0	25.75	25.75	25.75		0.5	
50	PI/2 BPSK	135	68	26.04	26.04	26.04	26.5	0.0	
50	PI/2 BPSK	135	135	25.72	25.72	25.72		0.5	
50	PI/2 BPSK	270	0	25.68	25.68	25.68	27.0	0.0	
50	QPSK	1	1	25.96	25.96	25.96			
50	QPSK	1	135	26.19	26.19	26.19			
50	QPSK	1	268	25.93	25.93	25.93		1.0	
50	QPSK	135	0	25.14	25.14	25.14	26.0	1.0	
50	QPSK	135	68	26.08	26.08	26.08		0.0	
50	QPSK	135	135	25.17	25.17	25.17	26.0	1.0	
50	QPSK	270	0	25.10	25.10	25.10			
50	16QAM	1	1	24.08	24.08	24.08	26.0	1.0	
50	64QAM	1	1	22.59	22.59	22.59	24.5	2.5	
50	256QAM	1	1	21.13	21.13	21.13	22.5	4.5	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	27.0	0.0	
40	QPSK	1	1	26.15	26.11	26.09	27.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	27.0	0.0	
20	QPSK	1	1	26.15	26.09	26.04	27.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	27.0	0.0	
15	QPSK	1	1	26.05	26.05	26.04	27.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	27.0	0.0	
10	QPSK	1	1	26.17	26.13	26.10	27.0	0.0	



n5_SA&NSA Ant4 DS12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				168300	167300	167600	24.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.57	23.67	23.75		
20	PI2 BPSK	1	53	23.66	23.76	23.71		
20	PI2 BPSK	1	104	23.75	23.73	23.76	24.0	0.5
20	PI2 BPSK	50	0	23.35	23.39	23.34	24.5	0.0
20	PI2 BPSK	50	28	23.84	23.83	23.81	24.5	0.0
20	PI2 BPSK	50	56	23.27	23.36	23.46	24.0	0.5
20	PI2 BPSK	100	0	23.27	23.36	23.40	24.5	0.0
20	QPSK	1	1	23.68	23.65	23.75	24.5	0.0
20	QPSK	1	53	23.63	23.77	23.72	24.5	0.0
20	QPSK	1	104	23.63	23.62	23.74	24.5	0.0
20	QPSK	50	0	22.82	22.96	22.87	23.5	1.0
20	QPSK	50	28	23.80	23.90	23.75	24.5	0.0
20	QPSK	50	56	22.77	22.79	22.68	23.5	1.0
20	QPSK	100	0	22.80	22.90	22.82	23.5	1.0
20	16QAM	1	1	22.32	22.36	22.43	23.5	1.0
20	64QAM	1	1	21.00	20.86	20.94	22.0	2.5
20	256QAM	1	1	19.36	19.47	19.48	20.0	4.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	24.5	0.0
15	QPSK	1	1	23.66	23.65	23.54	24.5	0.0
Channel				167200	167200	167300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	24.5	0.0
10	QPSK	1	1	23.60	23.53	23.42	24.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				841.5	836.5	844.5	24.5	0.0
5	QPSK	1	1	23.70	23.67	23.61	24.5	0.0

n7_SA&NSA Ant4 DS12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	23.5	0.0
Frequency (MHz)				2610	2635	2660		
20	PI2 BPSK	1	1	22.47	22.52	22.46		
20	PI2 BPSK	1	53	22.45	22.46	22.38		
20	PI2 BPSK	1	104	22.42	22.53	22.47	23.0	0.5
20	PI2 BPSK	50	0	22.17	22.14	22.17	23.0	0.5
20	PI2 BPSK	50	28	22.56	22.47	22.39	23.5	0.0
20	PI2 BPSK	50	56	22.19	22.11	22.04	23.0	0.5
20	PI2 BPSK	100	0	22.08	22.14	22.07	23.5	0.0
20	QPSK	1	1	22.58	22.66	22.55	23.5	0.0
20	QPSK	1	53	22.45	22.58	22.51	23.5	0.0
20	QPSK	1	104	22.43	22.47	22.55	23.5	0.0
20	QPSK	50	0	21.74	21.81	21.84	22.5	1.0
20	QPSK	50	28	22.43	22.60	22.45	23.5	0.0
20	QPSK	50	56	21.69	21.52	21.42	22.5	1.0
20	QPSK	100	0	21.42	21.60	21.56	22.5	1.0
20	16QAM	1	1	21.30	21.23	21.18	22.5	1.0
20	64QAM	1	1	19.67	19.73	19.66	21.0	2.5
20	256QAM	1	1	18.38	18.33	18.34	19.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2607.5	2635	2662.5	23.5	0.0
15	QPSK	1	1	22.58	22.48	22.52	23.5	0.0
Channel				510000	520000	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2605	2635	2665	23.5	0.0
10	QPSK	1	1	22.51	22.37	22.49	23.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2602.5	2635	2667.5	23.5	0.0
5	QPSK	1	1	22.63	22.54	22.55	23.5	0.0

n66_SA&NSA Ant4 DS12								
BW [MHz]	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	348000	350000	23.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	22.24	22.32	22.38		
40	PI2 BPSK	1	108	22.80	22.86	22.83		
40	PI2 BPSK	1	214	22.49	22.45	22.51	23.0	0.5
40	PI2 BPSK	108	0	22.09	22.11	22.23	23.0	0.5
40	PI2 BPSK	108	54	22.87	22.83	22.83	23.5	0.0
40	PI2 BPSK	108	108	22.09	22.10	22.13	23.0	0.5
40	PI2 BPSK	216	0	22.11	22.12	22.15	23.5	0.0
40	QPSK	1	1	22.30	22.29	22.37	23.5	0.0
40	QPSK	1	108	22.79	22.88	22.79	23.5	0.0
40	QPSK	1	214	22.45	22.37	22.42	23.5	0.0
40	QPSK	108	0	21.55	21.63	21.74	22.5	1.0
40	QPSK	108	54	22.78	22.84	22.73	23.5	0.0
40	QPSK	108	108	21.49	21.59	21.68	22.5	1.0
40	QPSK	216	0	21.56	21.69	21.68	22.5	1.0
40	16QAM	1	1	21.85	21.55	21.58	22.5	1.0
40	64QAM	1	1	20.13	20.04	20.06	21.0	2.5
40	256QAM	1	1	18.59	18.61	18.63	19.0	4.5
Channel				345000	348000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	23.5	0.0
30	QPSK	1	1	22.34	22.38	22.29	23.5	0.0
Channel				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	23.5	0.0
25	QPSK	1	1	22.80	22.51	22.40	23.5	0.0
Channel				344000	348000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1774	23.5	0.0
20	QPSK	1	1	22.67	22.60	22.56	23.5	0.0
Channel				343000	348000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	23.5	0.0
15	QPSK	1	1	22.72	22.68	22.69	23.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	23.5	0.0
10	QPSK	1	1	22.60	22.53	22.63	23.5	0.0
Channel				342500	348000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	23.5	0.0
5	QPSK	1	1	22.75	22.77	22.83	23.5	0.0

n38_SA&NSA Ant4 DS12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996	24.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.78	22.71	22.69	24.5	0.0
40	PI/2 BPSK	1	53	23.13	23.23	23.12		
40	PI/2 BPSK	1	104	23.51	23.61	23.55		
40	PI/2 BPSK	50	0	23.18	23.27	23.19	24.0	0.5
40	PI/2 BPSK	50	28	23.55	23.64	23.51	24.5	0.0
40	PI/2 BPSK	50	58	23.57	23.60	23.53	24.0	0.5
40	PI/2 BPSK	100	0	22.89	22.96	22.88		
40	QPSK	1	1	22.51	22.52	22.62	24.5	0.0
40	QPSK	1	53	23.54	23.65	23.43		
40	QPSK	1	104	23.44	23.47	23.49		
40	QPSK	50	0	23.21	23.16	23.20	23.5	1.0
40	QPSK	50	28	23.37	23.49	23.39	24.5	0.0
40	QPSK	50	58	23.45	23.47	23.36	23.5	1.0
40	QPSK	100	0	22.35	22.39	22.27		
40	16QAM	1	1	22.01	22.16	22.10	23.5	1.0
40	64QAM	1	1	20.06	20.90	20.04	22.0	2.5
40	256QAM	1	1	18.40	18.53	18.43	20.0	4.5
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610	24.5	0.0
20	QPSK	1	1	23.01	22.91	23.02	24.5	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49	24.5	0.0
15	QPSK	1	1	23.11	23.02	22.92	24.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98	24.5	0.0
10	QPSK	1	1	22.80	22.90	23.02	24.5	0.0
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615	24.5	0.0
5	QPSK	1	1	22.86	22.95	22.95	24.5	0.0

n41_SA&NSA Ant4 PC3 DS12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998	24.5	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	22.42	22.36	22.44	24.5	0.0
50	PI/2 BPSK	1	135	22.37	22.42	22.30		
50	PI/2 BPSK	1	268	22.11	22.15	22.19		
50	PI/2 BPSK	135	0	22.33	22.31	22.20	24.0	0.5
50	PI/2 BPSK	135	68	22.43	22.43	22.39	24.5	0.0
50	PI/2 BPSK	135	135	22.32	22.40	22.36	24.0	0.5
50	PI/2 BPSK	270	0	22.09	22.14	22.22		
50	QPSK	1	1	22.19	22.28	22.33	24.5	0.0
50	QPSK	1	135	22.38	22.46	22.32		
50	QPSK	1	268	22.14	22.22	22.11		
50	QPSK	135	0	22.35	22.33	22.23	23.5	1.0
50	QPSK	135	68	22.40	22.45	22.27	24.5	0.0
50	QPSK	135	135	22.36	22.42	22.40	23.5	1.0
50	QPSK	270	0	22.03	22.14	22.02		
50	16QAM	1	1	21.62	21.57	21.49	23.5	1.0
50	64QAM	1	1	21.61	21.61	21.51	22.0	2.5
50	256QAM	1	1	20.84	20.77	20.81	20.0	4.5
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	24.5	0.0
40	QPSK	1	1	22.38	22.42	22.32	24.5	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	24.5	0.0
30	QPSK	1	1	22.17	22.41	22.14	24.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	24.5	0.0
20	QPSK	1	1	22.57	22.32	22.15	24.5	0.0
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	24.5	0.0
15	QPSK	1	1	22.17	22.30	22.27	24.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685	24.5	0.0
10	QPSK	1	1	22.36	22.40	22.23	24.5	0.0

n77_SA&NSA Ant5 PC3 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				648334	656000	663668	24.5	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	PI/2 BPSK	1	1	23.52	23.54	23.50		
50	PI/2 BPSK	1	135	23.92	23.86	23.83	24.0	0.5
50	PI/2 BPSK	1	268	23.66	23.65	23.61		
50	PI/2 BPSK	135	0	23.70	23.95	23.90		
50	PI/2 BPSK	135	68	23.93	23.92	23.95	24.5	0.0
50	PI/2 BPSK	135	135	23.95	23.95	23.68		
50	PI/2 BPSK	270	0	23.86	23.91	23.96		
50	QPSK	1	1	23.47	23.48	23.51	24.5	0.0
50	QPSK	1	135	23.82	23.87	23.79		
50	QPSK	1	268	23.66	23.63	23.66		
50	QPSK	135	0	23.78	23.92	23.92	23.5	1.0
50	QPSK	135	68	23.96	23.97	23.83		
50	QPSK	135	135	23.79	23.95	23.88		
50	QPSK	270	0	23.87	23.91	23.87	23.5	1.0
50	16QAM	1	1	23.30	23.32	23.37		
50	64QAM	1	1	23.38	23.35	23.39		
50	256QAM	1	1	22.45	22.43	22.43	20.0	4.5
Channel				648000	656000	664000	24.5	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.67	23.66	23.72		
Channel				647334	656000	664668	24.5	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.75	23.72	23.67		
Channel				647168	656000	664834	24.5	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	23.75	23.76	23.65		
Channel				647000	656000	665000	24.5	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	23.68	23.62	23.64		

Par27Q n77_NSA Ant5 PC3 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			24.5	0.0
Frequency (MHz)					3500.01			
50	PI/2 BPSK	1	1		23.38			
50	PI/2 BPSK	1	135		23.47		24.0	0.5
50	PI/2 BPSK	1	268		23.13			
50	PI/2 BPSK	135	0		23.41			
50	PI/2 BPSK	135	68		23.54		24.5	0.0
50	PI/2 BPSK	135	135		23.46			
50	PI/2 BPSK	270	0		23.43			
50	QPSK	1	1		23.56		24.0	0.5
50	QPSK	1	135		23.61			
50	QPSK	1	268		23.19			
50	QPSK	135	0		23.45		24.5	0.0
50	QPSK	135	68		23.52			
50	QPSK	135	135		23.50			
50	QPSK	270	0		23.44		23.5	1.0
50	16QAM	1	1		22.95			
50	64QAM	1	1		23.01			
50	256QAM	1	1		22.12		22.0	2.5
Channel				631334	633334	635332	20.0	4.5
Frequency (MHz)				3470.01	3500.01	3529.98		
40	QPSK	1	1	23.39	23.35	23.30		
Channel				630668	633334	636000	24.5	0.0
Frequency (MHz)				3460.02	3500.01	3540.01		
20	QPSK	1	1	23.33	23.26	23.24		
Channel				630500	633334	636166	24.5	0.0
Frequency (MHz)				3457.5	3500.01	3542.49		
15	QPSK	1	1	23.29	23.30	23.30		
Channel				630334	633334	636332	24.5	0.0
Frequency (MHz)				3455.01	3500.01	3544.98		
10	QPSK	1	1	23.53	23.46	23.42		

n77_SA&NSA Ant5 PC2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	656000	663668	27.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	26.31	26.25	26.23	27.0	0.0	
50	PI/2 BPSK	1	135	26.37	26.32	26.31			
50	PI/2 BPSK	1	268	26.12	26.08	26.09			
50	PI/2 BPSK	135	0	26.39	26.37	26.38	26.5	0.5	
50	PI/2 BPSK	135	68	26.09	26.21	26.04	27.0	0.0	
50	PI/2 BPSK	135	135	26.42	26.46	26.52	26.5	0.5	
50	PI/2 BPSK	270	0	26.40	26.34	26.32			
50	QPSK	1	1	25.95	26.18	26.15	27.0	0.0	
50	QPSK	1	135	26.52	26.57	26.56			
50	QPSK	1	268	26.30	26.33	26.37			
50	QPSK	135	0	26.06	26.03	26.04	26.0	1.0	
50	QPSK	135	68	26.34	26.46	26.44	27.0	0.0	
50	QPSK	135	135	26.13	26.17	26.15	26.0	1.0	
50	QPSK	270	0	25.89	26.08	26.02			
50	16QAM	1	1	24.94	24.91	24.87	26.0	1.0	
50	64QAM	1	1	23.49	23.45	23.44	24.5	2.5	
50	256QAM	1	1	22.14	22.08	22.05	22.5	4.5	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	27.0	0.0	
40	QPSK	1	1	26.05	26.08	26.02	27.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	27.0	0.0	
20	QPSK	1	1	26.42	26.36	26.30	27.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	27.0	0.0	
15	QPSK	1	1	26.35	26.37	26.25	27.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	27.0	0.0	
10	QPSK	1	1	26.33	26.28	26.32	27.0	0.0	

Par27Q n77_NSA Ant5 PC2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				633334			27.0	0.0	
Frequency (MHz)				3500.01					
50	PI/2 BPSK	1	1	25.92	25.91	25.90	27.0	0.0	
50	PI/2 BPSK	1	135	26.15	26.18	26.14			
50	PI/2 BPSK	1	268	25.86	25.83	25.82			
50	PI/2 BPSK	135	0	26.26	26.22	26.29	26.5	0.5	
50	PI/2 BPSK	135	68	26.44	26.44	26.50	27.0	0.0	
50	PI/2 BPSK	135	135	26.29	26.26	26.23	26.5	0.5	
50	PI/2 BPSK	270	0	26.28	26.21	26.21			
50	QPSK	1	1	25.89	25.82	25.82	27.0	0.0	
50	QPSK	1	135	25.94	26.08	25.98			
50	QPSK	1	268	25.81	25.76	25.76			
50	QPSK	135	0	25.68	25.62	25.59	26.0	1.0	
50	QPSK	135	68	26.50	26.58	26.46	27.0	0.0	
50	QPSK	135	135	25.67	25.69	25.73	26.0	1.0	
50	QPSK	270	0	25.60	25.62	25.56			
50	16QAM	1	1	24.52	24.52	24.53	26.0	1.0	
50	64QAM	1	1	23.04	23.06	23.07	24.5	2.5	
50	256QAM	1	1	21.63	21.67	21.67	22.5	4.5	
Channel				631334	633334	635332	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	27.0	0.0	
40	QPSK	1	1	25.42	25.46	25.48	27.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	27.0	0.0	
20	QPSK	1	1	25.92	25.92	25.87	27.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	27.0	0.0	
15	QPSK	1	1	25.88	25.89	25.70	27.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	27.0	0.0	
10	QPSK	1	1	25.74	25.76	25.81	27.0	0.0	

n78_SA&NSA Ant5 PC3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	650000	651668	24.5	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	PI/2 BPSK	1	1	23.15	23.13	23.10	24.5	0.0	
50	PI/2 BPSK	1	135	23.52	23.45	23.51			
50	PI/2 BPSK	1	268	23.33	23.35	23.36			
50	PI/2 BPSK	135	0	23.47	23.42	23.40	24.0	0.5	
50	PI/2 BPSK	135	68	23.38	23.38	23.38	24.5	0.0	
50	PI/2 BPSK	135	135	23.43	23.41	23.39	24.0	0.5	
50	PI/2 BPSK	270	0	23.42	23.37	23.36			
50	QPSK	1	1	23.21	23.18	23.19	24.5	0.0	
50	QPSK	1	135	23.30	23.49	23.34			
50	QPSK	1	268	23.38	23.37	23.35			
50	QPSK	135	0	23.41	23.45	23.40	23.5	1.0	
50	QPSK	135	68	23.37	23.54	23.52	24.5	0.0	
50	QPSK	135	135	23.34	23.48	23.47	23.5	1.0	
50	QPSK	270	0	23.41	23.49	23.45			
50	16QAM	1	1	23.11	23.09	23.16	23.5	1.0	
50	64QAM	1	1	23.16	23.11	23.16	22.0	2.5	
50	256QAM	1	1	22.09	22.04	22.08	20.0	4.5	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	24.5	0.0	
40	QPSK	1	1	22.53	22.56	22.61	24.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	24.5	0.0	
20	QPSK	1	1	22.68	22.61	22.61	24.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	24.5	0.0	
15	QPSK	1	1	22.50	22.49	22.52	24.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	24.5	0.0	
10	QPSK	1	1	22.50	22.53	22.57	24.5	0.0	

Par27Q n78_NSA Ant5 PC3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				631334	633334	635332	24.5	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
50	PI/2 BPSK	1	1	22.98			24.5	0.0	
50	PI/2 BPSK	1	135	23.23					
50	PI/2 BPSK	1	268	22.89					
50	PI/2 BPSK	135	0	23.32			24.0	0.5	
50	PI/2 BPSK	135	68	23.33			24.5	0.0	
50	PI/2 BPSK	135	135	23.26			24.0	0.5	
50	PI/2 BPSK	270	0	23.24					
50	QPSK	1	1	23.02			24.5	0.0	
50	QPSK	1	135	23.41					
50	QPSK	1	268	23.00					
50	QPSK	135	0	23.28			23.5	1.0	
50	QPSK	135	68	23.34			24.5	0.0	
50	QPSK	135	135	23.30			23.5	1.0	
50	QPSK	270	0	23.32					
50	16QAM	1	1	22.96			23.5	1.0	
50	64QAM	1	1	23.01			22.0	2.5	
50	256QAM	1	1	21.98			20.0	4.5	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	24.5	0.0	
40	QPSK	1	1	23.26	23.22	23.18	24.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	24.5	0.0	
20	QPSK	1	1	23.24	23.25	23.26	24.5	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	24.5	0.0	
15	QPSK	1	1	23.14	23.15	23.22	24.5	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	24.5	0.0	
10	QPSK	1	1	23.10	23.12	23.08	24.5	0.0	

n78_SA&NSA Ant5 PC2 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				648334	650000	651668	27.0	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	Pl/2 BPSK	1	1	26.07	26.00	25.97		
50	Pl/2 BPSK	1	135	26.26	26.32	26.34		
50	Pl/2 BPSK	1	268	26.18	26.17	26.24	26.5	0.5
50	Pl/2 BPSK	135	0	25.65	25.60	25.62		
50	Pl/2 BPSK	135	68	26.21	26.24	26.20		
50	Pl/2 BPSK	135	135	25.67	25.72	25.71		
50	Pl/2 BPSK	270	0	25.68	25.66	25.68	27.0	0.0
50	QPSK	1	1	26.02	25.93	26.08		
50	QPSK	1	135	26.22	26.36	26.22		
50	QPSK	1	268	26.08	26.10	26.07		
50	QPSK	135	0	25.89	25.85	25.84	26.0	1.0
50	QPSK	135	68	25.61	26.33	25.75		
50	QPSK	135	135	25.94	25.92	25.98		
50	QPSK	270	0	25.93	26.05	25.88		
50	16QAM	1	1	24.73	24.66	24.62	26.0	1.0
50	64QAM	1	1	23.27	23.24	23.24		
50	256QAM	1	1	22.03	22.02	22.01		
Channel				648000	650000	652000	27.0	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	26.19	26.14	26.10		
Channel				647334	650000	652668	27.0	0.0
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	26.16	26.19	26.26		
Channel				647168	650000	652834	27.0	0.0
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	26.10	26.07	26.05		
Channel				647000	650000	653000	27.0	0.0
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	26.52	26.47	26.42		

Par27Q n78_NSA Ant5 PC2 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			27.0	0.0
Frequency (MHz)				3500.01				
50	Pl/2 BPSK	1	1	25.90				
50	Pl/2 BPSK	1	135	26.09				
50	Pl/2 BPSK	1	268	25.83			26.5	0.5
50	Pl/2 BPSK	135	0	26.27				
50	Pl/2 BPSK	135	68	26.32				
50	Pl/2 BPSK	135	135	26.25				
50	Pl/2 BPSK	270	0	26.18			27.0	0.0
50	QPSK	1	1	25.81				
50	QPSK	1	135	26.35				
50	QPSK	1	268	25.81				
50	QPSK	135	0	25.61			26.0	1.0
50	QPSK	135	68	26.34				
50	QPSK	135	135	25.67				
50	QPSK	270	0	25.52				
50	16QAM	1	1	24.48			26.0	1.0
50	64QAM	1	1	23.07				
50	256QAM	1	1	21.64				
Channel				631334	633334	635332	27.0	0.0
Frequency (MHz)				3470.01	3500.01	3529.98		
40	QPSK	1	1	25.76	25.81	25.87		
Channel				630668	633334	636000	27.0	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.91	25.93	25.98		
Channel				630500	633334	636166	27.0	0.0
Frequency (MHz)				3457.5	3500.01	3542.49		
15	QPSK	1	1	25.94	25.97	25.93		
Channel				630334	633334	636332	27.0	0.0
Frequency (MHz)				3455.01	3500.01	3544.98		
10	QPSK	1	1	25.93	25.88	25.83		

n77_NSA Ant8 PC3 DS12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				648334	656000	663668	23.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	PI/2 BPSK	1	1	21.05	21.05	21.12		
50	PI/2 BPSK	1	135	21.27	21.33	21.26	23.0	0.0
50	PI/2 BPSK	1	268	21.06	21.09	21.15		
50	PI/2 BPSK	135	0	21.34	21.43	21.45		
50	PI/2 BPSK	135	68	21.32	21.44	21.42	22.5	0.5
50	PI/2 BPSK	135	135	21.44	21.35	21.25		
50	PI/2 BPSK	270	0	21.34	21.41	21.34		
50	QPSK	1	1	21.47	21.50	21.35	23.0	0.0
50	QPSK	1	135	21.31	21.34	21.33		
50	QPSK	1	268	21.16	21.08	21.10		
50	QPSK	135	0	21.41	21.40	21.46	22.0	1.0
50	QPSK	135	68	21.38	21.47	21.28		
50	QPSK	135	135	21.37	21.41	21.39		
50	QPSK	270	0	21.44	21.45	21.36	22.0	1.0
50	16QAM	1	1	20.45	20.35	20.27		
50	64QAM	1	1	20.39	20.33	20.22		
50	256QAM	1	1	20.54	20.56	20.45	20.0	3.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	23.0	0.0
40	QPSK	1	1	21.40	21.44	21.32	23.0	0.0
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.20	21.41	21.20	23.0	0.0
Channel				647168	656000	664834		
Frequency (MHz)				3707.62	3840	3972.61		
15	QPSK	1	1	21.44	21.30	21.21	23.0	0.0
Channel				647000	656000	665000		
Frequency (MHz)				3705	21.28	3975		
10	QPSK	1	1	21.36	21.30	21.33	23.0	0.0

Par27Q n77_NSA Ant8 PC3 DS12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			23.0	0.0
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1	21.14				
50	PI/2 BPSK	1	135	20.93			22.5	0.5
50	PI/2 BPSK	1	268	21.10				
50	PI/2 BPSK	135	0	21.14				
50	PI/2 BPSK	135	68	21.12			22.5	0.5
50	PI/2 BPSK	135	135	21.15				
50	PI/2 BPSK	270	0	21.07				
50	QPSK	1	1	21.22			23.0	0.0
50	QPSK	1	135	20.86				
50	QPSK	1	268	21.06				
50	QPSK	135	0	21.17			22.0	1.0
50	QPSK	135	68	21.20				
50	QPSK	135	135	21.12				
50	QPSK	270	0	21.09			22.0	1.0
50	16QAM	1	1	20.60				
50	64QAM	1	1	20.19				
50	256QAM	1	1	19.32			20.0	3.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98	23.0	0.0
40	QPSK	1	1	21.05	21.09	21.08	23.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.11	21.10	21.10	23.0	0.0
Channel				630500	633334	636166		
Frequency (MHz)				3457.5	3500.01	3542.49		
15	QPSK	1	1	21.11	21.08	21.11	23.0	0.0
Channel				630334	633334	636332		
Frequency (MHz)				3455.01	3500.01	3544.98		
10	QPSK	1	1	21.00	21.02	21.07	23.0	0.0

n78_NSA Ant8 PC3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				646334	650000	651668	23.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	PI/2 BPSK	1	1	20.88	20.92	20.86	23.0	0.0	
50	PI/2 BPSK	1	135	21.39	21.28	21.26			
50	PI/2 BPSK	1	268	20.99	21.08	21.07			
50	PI/2 BPSK	135	0	21.39	21.27	21.31			
50	PI/2 BPSK	135	68	21.37	21.34	21.21	23.0	0.0	
50	PI/2 BPSK	135	135	21.26	21.32	21.24	22.5	0.5	
50	PI/2 BPSK	270	0	21.36	21.33	21.33			
50	QPSK	1	1	21.39	21.40	21.34	23.0	0.0	
50	QPSK	1	135	21.38	21.32	21.32			
50	QPSK	1	268	21.05	21.12	21.11			
50	QPSK	135	0	21.30	21.33	21.27		1.0	
50	QPSK	135	68	21.28	21.36	21.31	23.0	0.0	
50	QPSK	135	135	21.16	21.35	21.30	22.0	1.0	
50	QPSK	270	0	21.15	21.34	21.21			
50	16QAM	1	1	20.57	20.65	20.74	22.0	1.0	
50	64QAM	1	1	20.81	20.76	20.66	20.5	2.5	
50	256QAM	1	1	19.73	19.84	19.77	20.0	3.0	
Channel				646000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	21.25	21.20	21.24	23.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	21.24	21.33	21.25	23.0	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1	21.37	21.30	21.30	23.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	21.21	21.18	21.35	23.0	0.0	

Par27Q n78_NSA Ant8 PC3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				631334	633334	635334	23.0	0.0	
Frequency (MHz)				3470.01	3500.01	3530.01			
50	PI/2 BPSK	1	1	21.20	20.74	20.40	23.0	0.0	
50	PI/2 BPSK	1	135	21.20	20.40	20.40			
50	PI/2 BPSK	1	268	21.29	21.24	21.24			
50	PI/2 BPSK	135	0	21.29	21.24	21.24		22.5	
50	PI/2 BPSK	135	68	21.29	21.24	21.24	22.5	0.5	
50	PI/2 BPSK	135	135	21.20	21.20	21.20			
50	PI/2 BPSK	270	0	21.29	21.29	21.29	23.0	0.0	
50	QPSK	1	1	21.34	20.69	20.38			
50	QPSK	1	135	21.34	20.69	20.38			
50	QPSK	1	268	21.34	20.69	20.38			
50	QPSK	135	0	21.31	21.31	21.31	22.0	1.0	
50	QPSK	135	68	21.32	21.32	21.32		23.0	
50	QPSK	135	135	21.24	21.24	21.24	22.0	1.0	
50	QPSK	270	0	21.24	21.24	21.24			
50	16QAM	1	1	20.23	20.23	20.23	22.0	1.0	
50	64QAM	1	1	20.26	20.26	20.26	20.5	2.5	
50	256QAM	1	1	19.39	19.39	19.39	20.0	3.0	
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	QPSK	1	1	21.24	21.23	21.23	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	21.18	21.24	21.28	23.0	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	QPSK	1	1	21.24	21.11	21.29	23.0	0.0	
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	1	21.25	21.20	21.24	23.0	0.0	

n5_SA&NSA Ant0 DS13&4									
BW [MHz]	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	PI/2 BPSK	1	1	24.35	24.30	24.25	25.5	0.0	
20	PI/2 BPSK	1	53	24.33	24.38	24.36			
20	PI/2 BPSK	1	104	24.32	24.27	24.24			
20	PI/2 BPSK	50	0	23.96	23.96	24.03			0.5
20	PI/2 BPSK	50	28	24.44	24.43	24.42	25.5	0.0	
20	PI/2 BPSK	50	56	23.90	23.84	23.81	25.0	0.5	
20	PI/2 BPSK	100	0	23.90	23.94	23.89			
20	QPSK	1	1	24.33	24.48	24.44	25.5	0.0	
20	QPSK	1	53	24.38	24.35	24.34			
20	QPSK	1	104	24.27	24.23	24.24			
20	QPSK	50	0	23.53	23.49	23.49			1.0
20	QPSK	50	28	24.30	24.34	24.28	25.5	0.0	
20	QPSK	50	56	23.39	23.34	23.36	24.5	1.0	
20	QPSK	100	0	23.47	23.54	23.41			
20	16QAM	1	1	23.07	23.04	23.07	24.5	1.0	
20	64QAM	1	1	21.60	21.57	21.62	23.0	2.5	
20	256QAM	1	1	20.16	20.18	20.15	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	24.27	24.31	24.20	25.5	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	24.17	24.16	24.22	25.5	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	24.24	24.23	24.22	25.5	0.0	

n7_SA&NSA Ant0 DS13&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	15.58	15.63	15.47	17.0	0.0	
20	PI/2 BPSK	1	53	15.67	15.62	15.67			
20	PI/2 BPSK	1	104	15.63	15.69	15.55			
20	PI/2 BPSK	50	0	15.66	15.62	15.69			0.0
20	PI/2 BPSK	50	28	15.62	15.79	15.60	17.0	0.0	
20	PI/2 BPSK	50	56	15.58	15.73	15.57	17.0	0.0	
20	PI/2 BPSK	100	0	15.61	15.81	15.64			
20	QPSK	1	1	15.75	15.67	15.79	17.0	0.0	
20	QPSK	1	53	15.69	15.81	15.77			
20	QPSK	1	104	15.55	15.66	15.66			
20	QPSK	50	0	15.73	15.74	15.57			0.0
20	QPSK	50	28	15.69	15.86	15.84	17.0	0.0	
20	QPSK	50	56	15.61	15.66	15.52	17.0	0.0	
20	QPSK	100	0	15.76	15.83	15.81			
20	16QAM	1	1	15.21	15.39	15.33	17.0	0.0	
20	64QAM	1	1	15.38	15.42	15.37	17.0	0.0	
20	256QAM	1	1	15.78	15.83	15.84	17.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	15.44	15.62	15.67	17.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	15.47	15.61	15.56	17.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	15.50	15.64	15.59	17.0	0.0	

n38_SA&NSA Ant0 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	17.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	16.54	16.75	16.40	17.5	0.0	
40	PI/2 BPSK	1	53	16.99	17.13	16.82			
40	PI/2 BPSK	1	104	17.19	17.26	17.11			
40	PI/2 BPSK	50	0	16.80	16.96	16.91			
40	PI/2 BPSK	50	28	16.99	17.09	17.04	17.5	0.0	
40	PI/2 BPSK	50	56	17.19	16.99	17.15	17.5	0.0	
40	PI/2 BPSK	100	0	16.96	16.99	17.06			
40	QPSK	1	1	16.36	16.58	16.63	17.5	0.0	
40	QPSK	1	53	17.00	17.00	17.15			
40	QPSK	1	104	17.12	17.32	17.29			
40	QPSK	50	0	16.85	17.17	16.80		0.0	
40	QPSK	50	28	17.03	17.22	17.02	17.5	0.0	
40	QPSK	50	56	17.09	17.05	17.11	17.5	0.0	
40	QPSK	100	0	16.95	17.19	16.92			
40	16QAM	1	1	16.12	16.36	16.29	17.5	0.0	
40	64QAM	1	1	16.06	16.36	16.26	17.5	0.0	
40	256QAM	1	1	16.95	16.99	16.93	17.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	17.5	0.0	
20	QPSK	1	1	17.40	17.57	17.44	17.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	17.5	0.0	
15	QPSK	1	1	17.40	17.42	17.41	17.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	17.5	0.0	
10	QPSK	1	1	17.47	17.40	17.42	17.5	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	17.5	0.0	
5	QPSK	1	1	17.51	17.34	17.52	17.5	0.0	

n41_SA&NSA Ant0 PC2&3 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998	17.5	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	16.51	16.54	16.46	17.5	0.0	
50	PI/2 BPSK	1	135	16.93	16.99	16.88			
50	PI/2 BPSK	1	268	16.78	16.86	16.71			
50	PI/2 BPSK	135	0	16.76	16.90	16.86		0.0	
50	PI/2 BPSK	135	68	16.95	17.04	16.86	17.5	0.0	
50	PI/2 BPSK	135	135	16.97	17.00	16.93	17.5	0.0	
50	PI/2 BPSK	270	0	16.80	16.96	16.87			
50	QPSK	1	1	16.59	16.74	16.69	17.5	0.0	
50	QPSK	1	135	16.87	17.02	16.86			
50	QPSK	1	268	16.92	16.96	16.83			
50	QPSK	135	0	16.78	16.93	16.85		0.0	
50	QPSK	135	68	16.92	17.09	16.96	17.5	0.0	
50	QPSK	135	135	16.94	17.03	16.97	17.5	0.0	
50	QPSK	270	0	16.87	17.02	16.94			
50	16QAM	1	1	16.26	16.31	16.27	17.5	0.0	
50	64QAM	1	1	16.29	16.37	16.18	17.5	0.0	
50	256QAM	1	1	16.84	16.86	16.84	17.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	17.5	0.0	
40	QPSK	1	1	16.12	15.98	16.06	17.5	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	17.5	0.0	
30	QPSK	1	1	16.14	16.05	16.12	17.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	17.5	0.0	
20	QPSK	1	1	16.11	15.93	16.10	17.5	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	17.5	0.0	
15	QPSK	1	1	16.00	16.13	16.12	17.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	17.5	0.0	
10	QPSK	1	1	16.07	16.02	16.09	17.5	0.0	

n66_SA&NSA Ant1 DS13&4								
BW [MHz]	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	PI/2 BPSK	1	1	23.50	23.62	23.60	24.5	0.0
40	PI/2 BPSK	1	108	23.93	24.12	24.02		
40	PI/2 BPSK	1	214	23.58	23.64	23.52		
40	PI/2 BPSK	108	0	23.55	23.44	23.33		
40	PI/2 BPSK	108	54	24.08	24.11	24.05	24.5	0.0
40	PI/2 BPSK	108	108	23.49	23.38	23.40		
40	PI/2 BPSK	216	0	23.57	23.47	23.59	24.0	0.5
40	QPSK	1	1	24.00	23.60	23.99		
40	QPSK	1	108	23.96	24.16	24.06	24.5	0.0
40	QPSK	1	214	23.52	23.59	23.59		
40	QPSK	108	0	23.01	22.92	22.87		
40	QPSK	108	54	23.99	24.09	23.97		
40	QPSK	108	108	22.76	22.86	22.97	23.5	1.0
40	QPSK	216	0	22.83	22.94	22.92		
40	16QAM	1	1	22.17	22.28	22.32	23.5	1.0
40	64QAM	1	1	20.91	20.93	21.01		
40	256QAM	1	1	19.57	19.47	19.45	20.0	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	23.75	23.78	23.89		
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	24.05	23.94	23.89		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	24.12	24.02	23.97		
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.99	24.03	23.95		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.94	23.87	23.84		
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.92	24.05	23.97		

Part27O n77_NSA Ant1 PC3 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	656000	663668	21.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	18.68	18.78	18.72	21.0	0.0	
50	PI/2 BPSK	1	135	18.90	19.05	18.96			
50	PI/2 BPSK	1	268	18.78	18.86	18.77			
50	PI/2 BPSK	135	0	18.91	19.09	19.08	21.0	0.0	
50	PI/2 BPSK	135	68	19.06	19.18	19.07	21.0	0.0	
50	PI/2 BPSK	135	135	19.05	19.13	19.05	21.0	0.0	
50	PI/2 BPSK	270	0	18.99	19.15	19.12			
50	QPSK	1	1	18.67	18.61	18.78	21.0	0.0	
50	QPSK	1	135	18.89	19.09	18.94			
50	QPSK	1	268	18.85	18.88	18.85			
50	QPSK	135	0	18.96	19.11	19.10	21.0	0.0	
50	QPSK	135	68	19.01	19.21	19.18	21.0	0.0	
50	QPSK	135	135	18.96	19.12	19.03	21.0	0.0	
50	QPSK	270	0	18.98	19.17	19.12			
50	16QAM	1	1	18.43	18.56	18.48	21.0	0.0	
50	64QAM	1	1	18.45	18.63	18.55	21.0	0.0	
50	256QAM	1	1	19.01	19.17	19.06	20.0	1.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	18.43	18.45	18.44	21.0	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	18.76	18.77	18.70	21.0	0.0	
Channel				647168	656000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.62	3840	3972.61	(dBm)	(dB)	
15	QPSK	1	1	18.84	18.93	18.77	21.0	0.0	
Channel				647000	656000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	18.73	18.80	18.67	21.0	0.0	

Par27Q n77_NSA Ant1 PC3 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01	21.0	0.0	
Frequency (MHz)				18.21					
50	PI/2 BPSK	1	1	18.52					
50	PI/2 BPSK	1	135	18.28			21.0	0.0	
50	PI/2 BPSK	135	0	18.54					
50	PI/2 BPSK	135	68	18.66					
50	PI/2 BPSK	135	135	18.59			21.0	0.0	
50	PI/2 BPSK	270	0	18.54					
50	QPSK	1	1	18.36			21.0	0.0	
50	QPSK	1	135	18.71					
50	QPSK	1	268	18.31					
50	QPSK	135	0	18.53			21.0	0.0	
50	QPSK	135	68	18.68					
50	QPSK	135	135	18.58			21.0	0.0	
50	QPSK	270	0	18.67					
50	16QAM	1	1	18.02			21.0	0.0	
50	64QAM	1	1	18.07			21.0	0.0	
50	256QAM	1	1	18.58			20.0	1.0	
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3520.98	(dBm)	(dB)	
40	QPSK	1	1	17.93	17.95	17.83	21.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	18.29	18.28	18.35	21.0	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	QPSK	1	1	18.39	18.32	18.33	21.0	0.0	
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	1	18.44	18.37	18.39	21.0	0.0	

Part270 n78_NSA Ant1 PC3 DS13&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				646334	650000	651668	21.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	PI/2 BPSK	1	1	18.53	18.71	18.70	21.0	0.0	
50	PI/2 BPSK	1	135	19.01	19.07	18.91			
50	PI/2 BPSK	1	268	18.73	18.92	18.77			
50	PI/2 BPSK	135	0	18.89	19.03	18.91			
50	PI/2 BPSK	135	68	18.96	19.12	19.12	21.0	0.0	
50	PI/2 BPSK	135	135	19.00	19.09	18.98	21.0	0.0	
50	PI/2 BPSK	270	0	19.06	19.07	18.92			
50	QPSK	1	1	18.69	18.78	18.72	21.0	0.0	
50	QPSK	1	135	19.02	19.08	18.92			
50	QPSK	1	268	18.76	18.93	18.74			
50	QPSK	135	0	18.98	19.04	18.93	21.0	0.0	
50	QPSK	135	68	19.15	19.17	19.12	21.0	0.0	
50	QPSK	135	135	18.98	19.08	19.01	21.0	0.0	
50	QPSK	270	0	19.08	19.14	19.06			
50	16QAM	1	1	18.31	18.35	18.29	21.0	0.0	
50	64QAM	1	1	18.17	18.34	18.21	21.0	0.0	
50	256QAM	1	1	18.76	18.94	18.77	20.0	1.0	
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	18.20	18.33	18.31	21.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	18.97	19.02	18.74	21.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	19.00	18.97	18.71	21.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	18.97	18.96	18.80	21.0	0.0	

Par27Q n78_NSA Ant1 PC3 DS13&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01	21.0	0.0	
Frequency (MHz)									
50	PI/2 BPSK	1	1	18.53			21.0	0.0	
50	PI/2 BPSK	1	135	18.82					
50	PI/2 BPSK	1	268	18.58					
50	PI/2 BPSK	135	0	18.86					
50	PI/2 BPSK	135	68	18.93			21.0	0.0	
50	PI/2 BPSK	135	135	18.83					
50	PI/2 BPSK	270	0	18.80			21.0	0.0	
50	QPSK	1	1	18.57					
50	QPSK	1	135	18.78					
50	QPSK	1	268	18.58					
50	QPSK	135	0	18.83			21.0	0.0	
50	QPSK	135	68	19.02					
50	QPSK	135	135	18.82			21.0	0.0	
50	QPSK	270	0	18.94					
50	16QAM	1	1	18.31			21.0	0.0	
50	64QAM	1	1	18.29			21.0	0.0	
50	256QAM	1	1	18.92			20.0	1.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	1	18.58	18.61	18.67	21.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	18.59	18.64	18.63	21.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	1	18.49	18.58	18.51	21.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	1	18.09	18.18	18.23	21.0	0.0	

n7_SA&NSA Ant2 DSI3&4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	18.5	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	16.86	16.98	16.91	18.5	0.0
20	PI/2 BPSK	1	53	16.97	17.10	17.02		
20	PI/2 BPSK	1	104	16.90	17.05	17.04		
20	PI/2 BPSK	50	0	16.90	17.02	16.84		
20	PI/2 BPSK	50	28	16.91	17.07	16.97	18.5	0.0
20	PI/2 BPSK	50	56	16.92	17.01	16.83	18.5	0.0
20	PI/2 BPSK	100	0	16.99	17.03	16.92		
20	QPSK	1	1	16.85	17.01	16.98		
20	QPSK	1	53	17.02	17.14	17.11		
20	QPSK	1	104	16.87	16.96	16.90	18.5	0.0
20	QPSK	50	0	16.95	16.98	16.95		
20	QPSK	50	28	16.97	17.18	17.13		
20	QPSK	50	56	17.05	17.16	17.07		
20	QPSK	100	0	16.92	17.13	17.11	18.5	0.0
20	16QAM	1	1	16.75	16.81	16.69	18.5	0.0
20	64QAM	1	1	16.75	16.79	16.79	18.5	0.0
20	256QAM	1	1	17.04	17.16	17.05	18.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	18.5	0.0
15	QPSK	1	1	16.96	17.10	17.03	18.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	18.5	0.0
10	QPSK	1	1	17.01	16.95	16.99	18.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	18.5	0.0
5	QPSK	1	1	16.93	17.12	17.06	18.5	0.0

n66_SA&NSA Ant2 DSI3&4								
BW [MHz]	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	24.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	22.54	22.44	22.52	24.5	0.0
40	PI/2 BPSK	1	108	23.10	23.08	23.10		
40	PI/2 BPSK	1	214	22.53	22.59	22.69		
40	PI/2 BPSK	108	0	22.30	22.37	22.41		
40	PI/2 BPSK	108	54	23.11	23.11	22.98	24.5	0.0
40	PI/2 BPSK	108	108	22.54	22.44	22.41	24.0	0.5
40	PI/2 BPSK	216	0	22.51	22.46	22.54		
40	QPSK	1	1	22.38	22.35	22.23		
40	QPSK	1	108	22.98	23.17	23.04		
40	QPSK	1	214	22.62	22.53	22.46	24.5	0.0
40	QPSK	108	0	21.95	21.89	21.86		
40	QPSK	108	54	22.97	23.03	22.98		
40	QPSK	108	108	21.88	21.89	21.99		
40	QPSK	216	0	21.87	21.92	21.89	23.5	1.0
40	16QAM	1	1	21.27	21.23	21.13	23.5	1.0
40	64QAM	1	1	19.81	19.79	19.74	22.0	2.5
40	256QAM	1	1	18.30	18.35	18.43	20.0	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	24.5	0.0
30	QPSK	1	1	22.61	22.69	22.63	24.5	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	24.5	0.0
25	QPSK	1	1	22.73	22.83	22.80	24.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	24.5	0.0
20	QPSK	1	1	22.81	22.92	22.87	24.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	24.5	0.0
15	QPSK	1	1	22.89	22.98	22.90	24.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24.5	0.0
10	QPSK	1	1	22.78	22.82	22.88	24.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.5	0.0
5	QPSK	1	1	23.13	23.04	23.07	24.5	0.0

n38_SA&NSA Ant2 DSI3&4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	17.89	18.05	17.99	19.5	0.0
40	PI/2 BPSK	1	53	18.51	18.59	18.53		
40	PI/2 BPSK	1	104	18.61	18.73	18.56		
40	PI/2 BPSK	50	0	18.34	18.47	18.32		
40	PI/2 BPSK	50	28	18.67	18.76	18.62	19.5	0.0
40	PI/2 BPSK	50	56	18.64	18.72	18.70	19.5	0.0
40	PI/2 BPSK	100	0	18.55	18.69	18.54		
40	QPSK	1	1	17.81	17.91	17.86	19.5	0.0
40	QPSK	1	53	18.39	18.55	18.48		
40	QPSK	1	104	18.66	18.75	18.67		
40	QPSK	50	0	18.33	18.42	18.39		
40	QPSK	50	28	18.76	18.84	18.77	19.5	0.0
40	QPSK	50	56	18.67	18.72	18.61	19.5	0.0
40	QPSK	100	0	18.63	18.72	18.66		
40	16QAM	1	1	17.78	17.83	17.74	19.5	0.0
40	64QAM	1	1	17.62	17.78	17.65	19.5	0.0
40	256QAM	1	1	18.17	18.31	18.15	19.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	18.51	18.67	18.48	19.5	0.0
Channel				515592	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	PI/2 BPSK	1	1	18.53	18.62	18.54	19.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	PI/2 BPSK	1	1	18.50	18.72	18.48	19.5	0.0
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
5	QPSK	1	1	18.55	18.70	18.56	19.5	0.0

n41_SA&NSA Ant2 PC3 DSI3&4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	17.36	17.39	17.29	19.5	0.0
50	PI/2 BPSK	1	135	17.73	17.83	17.70		
50	PI/2 BPSK	1	268	17.60	17.68	17.52		
50	PI/2 BPSK	135	0	17.80	17.88	17.77		
50	PI/2 BPSK	135	68	17.84	17.93	17.83	19.5	0.0
50	PI/2 BPSK	135	135	17.82	17.90	17.82	19.5	0.0
50	PI/2 BPSK	270	0	17.76	17.88	17.77		
50	QPSK	1	1	17.31	17.44	17.41	19.5	0.0
50	QPSK	1	135	17.78	17.99	17.93		
50	QPSK	1	268	17.58	17.65	17.47		
50	QPSK	135	0	17.74	17.86	17.82		
50	QPSK	135	68	17.74	17.98	17.87	18.5	1.0
50	QPSK	135	135	17.73	17.89	17.81	18.5	1.0
50	QPSK	270	0	17.52	17.73	17.63		
50	16QAM	1	1	17.02	17.08	16.95	19.5	0.0
50	64QAM	1	1	17.08	17.18	17.03	19.5	0.0
50	256QAM	1	1	17.64	17.74	17.57	19.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	17.20	17.32	17.35	19.5	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	17.49	17.58	17.60	19.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	17.75	17.80	17.83	19.5	0.0
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	17.96	17.90	17.85	19.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	17.74	17.69	17.80	19.5	0.0

Par27Q n77_NSA Ant3 PC2&3 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	656000	663668	23.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	21.64	21.76	21.73	23.0	0.0	
50	PI/2 BPSK	1	135	21.95	22.07	22.01			
50	PI/2 BPSK	1	268	21.76	21.68	21.76			
50	PI/2 BPSK	135	0	21.92	22.08	22.06	23.0	0.0	
50	PI/2 BPSK	135	68	22.16	22.12	22.18	23.0	0.0	
50	PI/2 BPSK	135	135	22.07	22.16	22.08	23.0	0.0	
50	PI/2 BPSK	270	0	22.15	22.17	22.03	23.0	0.0	
50	QPSK	1	1	21.44	21.72	21.68			
50	QPSK	1	135	22.08	22.19	21.99			
50	QPSK	1	268	21.81	21.69	21.73	23.0	0.0	
50	QPSK	135	0	22.09	22.13	21.98	23.0	0.0	
50	QPSK	135	68	22.01	22.17	22.11	23.0	0.0	
50	QPSK	135	135	22.08	22.10	22.15	23.0	0.0	
50	QPSK	270	0	21.90	22.12	22.03	23.0	0.0	
50	16QAM	1	1	21.63	21.69	21.67			
50	64QAM	1	1	21.46	21.56	21.44			
50	256QAM	1	1	21.49	21.52	21.39	22.5	0.5	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	23.0	0.0	
40	QPSK	1	1	21.51	21.30	21.54			
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	23.0	0.0	
20	QPSK	1	1	21.81	21.82	21.91			
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.61	23.0	0.0	
15	QPSK	1	1	21.91	21.90	21.97			
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	23.0	0.0	
10	QPSK	1	1	21.73	21.82	21.82			

n78_SA&NSA Ant3 PC2&3 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01	23.0	0.0	
Frequency (MHz)									
50	PI/2 BPSK	1	1	21.77			23.0	0.0	
50	PI/2 BPSK	1	135	22.09					
50	PI/2 BPSK	1	268	21.78					
50	PI/2 BPSK	135	0	22.03			23.0	0.0	
50	PI/2 BPSK	135	68	22.12			23.0	0.0	
50	PI/2 BPSK	135	135	22.09			23.0	0.0	
50	PI/2 BPSK	270	0	22.08			23.0	0.0	
50	QPSK	1	1	21.74					
50	QPSK	1	135	22.16					
50	QPSK	1	268	21.79			23.0	0.0	
50	QPSK	135	0	22.03			23.0	0.0	
50	QPSK	135	68	22.11			23.0	0.0	
50	QPSK	135	135	22.06			23.0	0.0	
50	QPSK	270	0	22.05			23.0	0.0	
50	16QAM	1	1	21.64					
50	64QAM	1	1	21.56					
50	256QAM	1	1	21.51			22.5	0.5	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	23.0	0.0	
40	QPSK	1	1	21.36	21.47	21.45			
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3469.02	3500.01	3540	23.0	0.0	
20	QPSK	1	1	21.83	21.89	21.96			
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3467.5	3500.01	3542.49	23.0	0.0	
15	QPSK	1	1	21.83	21.94	21.80			
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	23.0	0.0	
10	QPSK	1	1	21.67	21.81	21.79			

Par27Q n78_NSA Ant3 PC2&3 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				646334	650000	651668	23.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	PI/2 BPSK	1	1	21.47	21.49	21.35	23.0	0.0	
50	PI/2 BPSK	1	135	22.11	22.16	22.14			
50	PI/2 BPSK	1	268	21.53	21.60	21.54			
50	PI/2 BPSK	135	0	21.68	21.80	21.70			
50	PI/2 BPSK	135	68	21.81	21.92	21.74	23.0	0.0	
50	PI/2 BPSK	135	135	21.86	21.89	21.88			
50	PI/2 BPSK	270	0	21.68	21.86	21.77			
50	QPSK	1	1	21.66	21.78	21.72			
50	QPSK	1	135	22.18	22.23	22.17	23.0	0.0	
50	QPSK	1	268	21.79	21.87	21.82			
50	QPSK	135	0	21.73	21.82	21.79			
50	QPSK	135	68	22.09	22.21	22.18			
50	QPSK	135	135	21.75	21.90	21.88	23.0	0.0	
50	QPSK	270	0	22.01	22.19	22.16			
50	16QAM	1	1	21.18	21.28	21.21		23.0	
50	64QAM	1	1	21.16	21.33	21.15			
50	256QAM	1	1	21.24	21.42	21.42			
Channel				646090	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	21.02	21.10	21.20	23.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	21.17	21.10	21.10	23.0	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1	21.50	21.55	21.67	23.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1	21.53	21.49	21.65	23.0	0.0	

Par27Q n78 Ant3 PC2&3 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				631334	633334	635332	23.0	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
50	PI/2 BPSK	1	1	21.46	21.46	21.46	23.0	0.0	
50	PI/2 BPSK	1	135	21.86	21.86	21.86			
50	PI/2 BPSK	1	268	21.46	21.46	21.46			
50	PI/2 BPSK	135	0	21.79	21.79	21.79			
50	PI/2 BPSK	135	68	21.85	21.85	21.85	23.0	0.0	
50	PI/2 BPSK	135	135	21.73	21.73	21.73			
50	PI/2 BPSK	270	0	21.82	21.82	21.82			
50	QPSK	1	1	21.48	21.48	21.48			
50	QPSK	1	135	21.97	21.97	21.97	23.0	0.0	
50	QPSK	1	268	21.57	21.57	21.57			
50	QPSK	135	0	21.80	21.80	21.80			
50	QPSK	135	68	21.95	21.95	21.95			
50	QPSK	135	135	21.76	21.76	21.76	23.0	0.0	
50	QPSK	270	0	21.80	21.80	21.80			
50	16QAM	1	1	21.31	21.31	21.31		23.0	
50	64QAM	1	1	21.29	21.29	21.29			
50	256QAM	1	1	21.45	21.45	21.45			
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	QPSK	1	1	21.08	21.12	21.16	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	21.18	21.23	21.10	23.0	0.0	
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	QPSK	1	1	21.58	21.49	21.59	23.0	0.0	
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	1	21.47	21.59	21.54	23.0	0.0	



n5_SA&NSA Ant4_DS4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				168300	167300	167600	24.0	0.0	
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	23.57	23.67	23.75			
20	PI2 BPSK	1	53	23.66	23.76	23.71			
20	PI2 BPSK	1	104	23.75	23.73	23.76	23.5	0.5	
20	PI2 BPSK	50	0	23.35	23.39	23.34	23.0	0.0	
20	PI2 BPSK	50	28	23.84	23.83	23.81	24.0	0.0	
20	PI2 BPSK	50	56	23.27	23.36	23.46	23.5	0.5	
20	PI2 BPSK	100	0	23.27	23.36	23.40	24.0	0.0	
20	QPSK	1	1	23.68	23.65	23.75			
20	QPSK	1	53	23.63	23.77	23.72			
20	QPSK	1	104	23.63	23.62	23.74			
20	QPSK	50	0	22.82	22.96	22.87	23.0	1.0	
20	QPSK	50	28	23.80	23.90	23.75	24.0	0.0	
20	QPSK	50	56	22.77	22.79	22.68	23.0	1.0	
20	QPSK	100	0	22.80	22.90	22.82	23.0	1.0	
20	16QAM	1	1	22.32	22.36	22.43			
20	64QAM	1	1	21.00	20.89	20.94			
20	256QAM	1	1	19.36	19.47	19.48			
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0	
15	QPSK	1	1	23.66	23.65	23.54	24.0	0.0	
Channel				172200	172200	172300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	QPSK	1	1	23.60	23.53	23.42	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				841.5	836.5	846.5	24.0	0.0	
5	QPSK	1	1	23.70	23.67	23.61	24.0	0.0	

n7_SA&NSA Ant4 DS4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	20.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	18.89	19.08	18.96			
20	PI2 BPSK	1	53	19.17	19.31	19.20			
20	PI2 BPSK	1	104	19.05	19.17	19.09	20.5	0.0	
20	PI2 BPSK	50	0	19.09	19.27	19.20	20.5	0.0	
20	PI2 BPSK	50	28	19.15	19.29	19.10	20.5	0.0	
20	PI2 BPSK	50	56	19.08	19.22	19.07	20.5	0.0	
20	PI2 BPSK	100	0	19.19	19.31	19.20	20.5	0.0	
20	QPSK	1	1	18.93	19.21	19.16			
20	QPSK	1	53	19.15	19.40	19.23			
20	QPSK	1	104	19.01	19.16	19.13			
20	QPSK	50	0	19.24	19.33	19.21	20.5	0.0	
20	QPSK	50	28	19.16	19.38	19.37	20.5	0.0	
20	QPSK	50	56	19.23	19.26	19.11	20.5	0.0	
20	QPSK	100	0	19.14	19.36	19.34	20.5	0.0	
20	16QAM	1	1	18.73	18.84	18.68			
20	64QAM	1	1	18.84	18.99	18.96			
20	256QAM	1	1	17.88	17.99	17.90			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	20.5	0.0	
15	QPSK	1	1	18.74	19.19	19.07	20.5	0.0	
Channel				531000	530000	533500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	20.5	0.0	
10	QPSK	1	1	18.75	19.01	18.97	20.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	20.5	0.0	
5	QPSK	1	1	18.91	19.03	18.97	20.5	0.0	

n66_SA&NSA Ant4 DS4									
BW [MHz]	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	346000	346000	23.5	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.24	22.32	22.38			
40	PI2 BPSK	1	108	22.80	22.86	22.83			
40	PI2 BPSK	1	214	22.49	22.45	22.51	23.0	0.5	
40	PI2 BPSK	108	0	22.09	22.11	22.23	23.0	0.5	
40	PI2 BPSK	108	54	22.87	22.83	22.83	23.5	0.0	
40	PI2 BPSK	108	108	22.09	22.10	22.13	23.0	0.5	
40	PI2 BPSK	216	0	22.11	22.12	22.15	23.5	0.0	
40	QPSK	1	1	22.30	22.28	22.37			
40	QPSK	1	108	22.79	22.88	22.79			
40	QPSK	1	214	22.45	22.37	22.42			
40	QPSK	108	0	21.55	21.63	21.74	22.5	1.0	
40	QPSK	108	54	22.78	22.84	22.73	23.5	0.0	
40	QPSK	108	108	21.49	21.59	21.68	22.5	1.0	
40	QPSK	216	0	21.56	21.69	21.68	22.5	1.0	
40	16QAM	1	1	21.85	21.55	21.58			
40	64QAM	1	1	20.13	20.04	20.09			
40	256QAM	1	1	18.59	18.61	18.63			
Channel				345000	346000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	23.5	0.0	
30	QPSK	1	1	22.34	22.38	22.29	23.5	0.0	
Channel				345000	346000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	23.5	0.0	
25	QPSK	1	1	22.80	22.51	22.40	23.5	0.0	
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1774	23.5	0.0	
20	QPSK	1	1	22.67	22.60	22.56	23.5	0.0	
Channel				343000	346000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	23.5	0.0	
15	QPSK	1	1	22.72	22.68	22.69	23.5	0.0	
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	23.5	0.0	
10	QPSK	1	1	22.80	22.53	22.63	23.5	0.0	
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	23.5	0.0	
5	QPSK	1	1	22.78	22.77	22.63	23.5	0.0	

n38_SA&NSA Ant4 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	19.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	17.64	17.74	17.68	19.5	0.0	
40	PI/2 BPSK	1	53	18.30	18.40	18.24			
40	PI/2 BPSK	1	104	17.95	18.08	17.94			
40	PI/2 BPSK	50	0	18.25	18.36	18.28			
40	PI/2 BPSK	50	28	18.38	18.47	18.35	19.5	0.0	
40	PI/2 BPSK	50	56	18.25	18.36	18.30	19.5	0.0	
40	PI/2 BPSK	100	0	18.22	18.38	18.28			
40	QPSK	1	1	18.47	18.45	18.42			
40	QPSK	1	53	18.29	18.48	18.23		0.0	
40	QPSK	1	104	17.92	18.01	17.88	19.5		
40	QPSK	50	0	18.14	18.26	18.16	19.5	0.0	
40	QPSK	50	28	18.38	18.47	18.42	19.5	0.0	
40	QPSK	50	56	18.10	18.25	18.10	19.5	0.0	
40	QPSK	100	0	18.24	18.35	18.20			
40	16QAM	1	1	18.23	18.42	18.33	19.5	0.0	
40	64QAM	1	1	18.32	18.40	18.32	19.5	0.0	
40	256QAM	1	1	18.23	18.28	18.20	19.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	19.5	0.0	
20	QPSK	1	1	18.20	18.37	18.29	19.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	19.5	0.0	
15	QPSK	1	1	18.30	18.40	18.33	19.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	19.5	0.0	
10	QPSK	1	1	17.92	17.96	17.91	19.5	0.0	
Channel				515000	519000	523000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	19.5	0.0	
5	QPSK	1	1	17.57	17.54	17.52	19.5	0.0	

n41_SA&NSA Ant4 PC3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998	19.5	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	PI/2 BPSK	1	1	17.57	17.54	17.67	19.5	0.0	
50	PI/2 BPSK	1	135	18.00	17.98	17.99			
50	PI/2 BPSK	1	268	17.85	17.89	17.81			
50	PI/2 BPSK	135	0	17.99	18.02	18.02			
50	PI/2 BPSK	135	68	17.93	18.04	18.01	19.5	0.0	
50	PI/2 BPSK	135	135	17.89	18.01	17.95	19.5	0.0	
50	PI/2 BPSK	270	0	17.98	17.94	17.95			
50	QPSK	1	1	17.57	17.54	17.52			
50	QPSK	1	135	17.92	18.07	18.02		0.0	
50	QPSK	1	268	17.94	17.93	17.93	19.5		
50	QPSK	135	0	18.02	17.92	17.93	19.5	0.0	
50	QPSK	135	68	17.98	18.04	17.93	19.5	0.0	
50	QPSK	135	135	17.92	17.96	17.91	19.5	0.0	
50	QPSK	270	0	17.86	17.96	17.83			
50	16QAM	1	1	17.40	17.32	17.38	19.5	0.0	
50	64QAM	1	1	17.38	17.29	17.37	19.5	0.0	
50	256QAM	1	1	17.84	17.83	17.83	19.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	19.5	0.0	
40	QPSK	1	1	17.49	17.43	17.45	19.5	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	19.5	0.0	
30	QPSK	1	1	17.50	17.50	17.48	19.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	19.5	0.0	
20	QPSK	1	1	17.54	17.39	17.39	19.5	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	19.5	0.0	
15	QPSK	1	1	17.45	17.43	17.38	19.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	19.5	0.0	
10	QPSK	1	1	17.46	17.43	17.44	19.5	0.0	

Par27O n77_NSA Ant5 PC2&3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	656000	663668	20.0	0.0	
Frequency (MHz)				3725.01	3540	3555.02			
50	PI/2 BPSK	1	1	19.25	19.18	19.22	20.0	0.0	
50	PI/2 BPSK	1	135	19.39	19.43	19.41			
50	PI/2 BPSK	1	268	19.14	19.18	19.21			
50	PI/2 BPSK	135	0	19.50	19.46	19.43	20.0	0.0	
50	PI/2 BPSK	135	68	19.50	19.53	19.54	20.0	0.0	
50	PI/2 BPSK	135	135	19.47	19.44	19.50	20.0	0.0	
50	PI/2 BPSK	270	0	19.40	19.45	19.50			
50	QPSK	1	1	19.20	19.18	19.24	20.0	0.0	
50	QPSK	1	135	19.41	19.55	19.51			
50	QPSK	1	268	19.34	19.32	19.33			
50	QPSK	135	0	19.44	19.45	19.49	20.0	0.0	
50	QPSK	135	68	19.43	19.50	19.45	20.0	0.0	
50	QPSK	135	135	19.45	19.46	19.45	20.0	0.0	
50	QPSK	270	0	19.45	19.48	19.45			
50	16QAM	1	1	18.87	18.89	18.94	20.0	0.0	
50	64QAM	1	1	18.94	18.93	18.95	20.0	0.0	
50	256QAM	1	1	19.49	19.48	19.52	20.0	0.0	
Channel				648000	656000	664000	20.0	0.0	
Frequency (MHz)				3720	3540	3560			
40	QPSK	1	1	19.09	19.14	19.17	20.0	0.0	
Channel				647334	656000	664668	20.0	0.0	
Frequency (MHz)				3710.01	3540	3570.02			
20	QPSK	1	1	19.17	19.06	19.13	20.0	0.0	
Channel				647168	656000	664834	20.0	0.0	
Frequency (MHz)				3707.52	3540	3572.51			
15	QPSK	1	1	19.09	19.13	19.16	20.0	0.0	
Channel				647000	656000	665000	20.0	0.0	
Frequency (MHz)				3705	3540	3575			
10	QPSK	1	1	19.07	19.13	19.12	20.0	0.0	

Par27Q n77_NSA Ant5 PC2&3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				633334			20.0	0.0	
Frequency (MHz)				3500.01					
50	PI/2 BPSK	1	1		18.74		20.0	0.0	
50	PI/2 BPSK	1	135		19.01				
50	PI/2 BPSK	1	268		18.69				
50	PI/2 BPSK	135	0		19.03		20.0	0.0	
50	PI/2 BPSK	135	68		19.15		20.0	0.0	
50	PI/2 BPSK	135	135		19.06		20.0	0.0	
50	PI/2 BPSK	270	0		19.03				
50	QPSK	1	1		18.80		20.0	0.0	
50	QPSK	1	135		19.18				
50	QPSK	1	268		18.74				
50	QPSK	135	0		19.02		20.0	0.0	
50	QPSK	135	68		19.13		20.0	0.0	
50	QPSK	135	135		19.04		20.0	0.0	
50	QPSK	270	0		18.99				
50	16QAM	1	1		19.12		20.0	0.0	
50	64QAM	1	1		18.49		20.0	0.0	
50	256QAM	1	1		19.10		20.0	0.0	
Channel				631334	633334	635332	20.0	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	1	18.75	18.73	18.71	20.0	0.0	
Channel				630668	633334	636000	20.0	0.0	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	18.75	18.67	18.75	20.0	0.0	
Channel				630500	633334	636166	20.0	0.0	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	1	18.72	18.67	18.65	20.0	0.0	
Channel				630334	633334	636332	20.0	0.0	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	1	18.71	18.70	18.67	20.0	0.0	

Par27O n78_NSA Ant5 PC2&3 DS14								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				648334	650000	651668	20.0	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	PI/2 BPSK	1	1	18.93	18.87	18.93	20.0	0.0
50	PI/2 BPSK	1	135	19.18	19.18	19.18		
50	PI/2 BPSK	1	268	19.03	19.01	18.99		
50	PI/2 BPSK	135	0	19.21	19.16	19.23		
50	PI/2 BPSK	135	68	19.24	19.24	19.20	20.0	0.0
50	PI/2 BPSK	135	135	19.25	19.23	19.18		
50	PI/2 BPSK	270	0	19.17	19.17	19.16		
50	QPSK	1	1	18.87	18.83	18.82		
50	QPSK	1	135	19.23	19.26	19.21	20.0	0.0
50	QPSK	1	268	19.01	18.96	18.91		
50	QPSK	135	0	19.21	19.16	19.13		
50	QPSK	135	68	19.15	19.25	19.22		
50	QPSK	135	135	19.20	19.23	19.19	20.0	0.0
50	QPSK	270	0	19.20	19.23	19.21		
50	16QAM	1	1	18.65	18.60	18.64		
50	64QAM	1	1	18.68	18.64	18.64		
50	256QAM	1	1	19.16	19.22	19.20	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.63	18.77	18.70	20.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.79	18.76	18.68	20.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	18.80	18.72	18.75	20.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	18.72	18.76	18.74	20.0	0.0

Par27Q n78_NSA Ant5 PC2&3 DS14								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334			20.0	0.0
Frequency (MHz)				3500.01				
50	PI/2 BPSK	1	1		18.77		20.0	0.0
50	PI/2 BPSK	1	135		19.03			
50	PI/2 BPSK	1	268		18.76			
50	PI/2 BPSK	135	0		18.90			
50	PI/2 BPSK	135	68		19.03		20.0	0.0
50	PI/2 BPSK	135	135		19.04		20.0	0.0
50	PI/2 BPSK	270	0		19.07		20.0	0.0
50	QPSK	1	1		18.76		20.0	0.0
50	QPSK	1	135		19.09			
50	QPSK	1	268		18.76			
50	QPSK	135	0		19.05			
50	QPSK	135	68		19.07		20.0	0.0
50	QPSK	135	135		19.01		20.0	0.0
50	QPSK	270	0		19.06		20.0	0.0
50	16QAM	1	1		18.55		20.0	0.0
50	64QAM	1	1		18.53		20.0	0.0
50	256QAM	1	1		19.03		20.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98		
40	QPSK	1	1	18.76	18.63	18.72	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.72	18.66	18.64	20.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.49		
15	QPSK	1	1	18.68	18.65	18.68	20.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98		
10	QPSK	1	1	18.71	18.65	18.72	20.0	0.0

n77_NSA Ant8 PC3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	656000	663668	23.0	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	PI/2 BPSK	1	1	21.05	21.05	21.12	23.0	0.0	
50	PI/2 BPSK	1	135	21.27	21.33	21.26			
50	PI/2 BPSK	1	268	21.06	21.09	21.15			
50	PI/2 BPSK	135	0	21.34	21.43	21.45	22.5	0.5	
50	PI/2 BPSK	135	68	21.32	21.44	21.42	23.0	0.0	
50	PI/2 BPSK	135	135	21.44	21.35	21.25	22.5	0.5	
50	PI/2 BPSK	270	0	21.34	21.41	21.34			
50	QPSK	1	1	21.47	21.50	21.35	23.0	0.0	
50	QPSK	1	135	21.31	21.34	21.33			
50	QPSK	1	268	21.16	21.08	21.10			
50	QPSK	135	0	21.41	21.40	21.46	22.0	1.0	
50	QPSK	135	68	21.38	21.47	21.28	23.0	0.0	
50	QPSK	135	135	21.37	21.41	21.39	22.0	1.0	
50	QPSK	270	0	21.44	21.45	21.36			
50	16QAM	1	1	20.45	20.35	20.27	22.0	1.0	
50	64QAM	1	1	20.39	20.33	20.22	20.5	2.5	
50	256QAM	1	1	19.54	19.56	19.45	20.0	3.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	23.0	0.0	
40	QPSK	1	1	21.40	21.44	21.32	23.0	0.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.20	21.41	21.20	23.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3840	3972.61	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.44	21.30	21.21	23.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	21.28	3975	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.36	21.30	21.33	23.0	0.0	

Par27Q n77_NSA Ant8 PC3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				631334	633334	635332	23.0	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
50	PI/2 BPSK	1	1	21.14	21.14	21.14	23.0	0.0	
50	PI/2 BPSK	1	135	20.93	20.93	20.93			
50	PI/2 BPSK	1	268	21.10	21.10	21.10			
50	PI/2 BPSK	135	0	21.14	21.14	21.14	22.5	0.5	
50	PI/2 BPSK	135	68	21.12	21.12	21.12	22.5	0.5	
50	PI/2 BPSK	135	135	21.15	21.15	21.15			
50	PI/2 BPSK	270	0	21.07	21.07	21.07	23.0	0.0	
50	QPSK	1	1	21.22	21.22	21.22			
50	QPSK	1	135	20.86	20.86	20.86			
50	QPSK	1	268	21.06	21.06	21.06	22.0	1.0	
50	QPSK	135	0	21.17	21.17	21.17			
50	QPSK	135	68	21.20	21.20	21.20	22.0	1.0	
50	QPSK	135	135	21.12	21.12	21.12			
50	QPSK	270	0	21.09	21.09	21.09	22.0	1.0	
50	16QAM	1	1	20.60	20.60	20.60			
50	64QAM	1	1	20.19	20.19	20.19	20.5	2.5	
50	256QAM	1	1	19.32	19.32	19.32	20.0	3.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	21.05	21.09	21.08	23.0	0.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.11	21.10	21.10	23.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.11	21.08	21.11	23.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.00	21.02	21.07	23.0	0.0	

n78_NSA Ant8 PC3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	650000	651668	23.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	PI/2 BPSK	1	1	20.88	20.92	20.86	23.0	0.0	
50	PI/2 BPSK	1	135	21.39	21.28	21.26			
50	PI/2 BPSK	1	268	20.99	21.08	21.07			
50	PI/2 BPSK	135	0	21.39	21.27	21.31	22.5	0.5	
50	PI/2 BPSK	135	68	21.37	21.34	21.21	23.0	0.0	
50	PI/2 BPSK	135	135	21.26	21.32	21.24	22.5	0.5	
50	PI/2 BPSK	270	0	21.36	21.33	21.33			
50	QPSK	1	1	21.39	21.40	21.32	23.0	0.0	
50	QPSK	1	135	21.38	21.32	21.32			
50	QPSK	1	268	21.05	21.12	21.11			
50	QPSK	135	0	21.30	21.33	21.27	22.0	1.0	
50	QPSK	135	68	21.28	21.36	21.31	23.0	0.0	
50	QPSK	135	135	21.16	21.35	21.30	22.0	1.0	
50	QPSK	270	0	21.15	21.34	21.21			
50	16QAM	1	1	20.57	20.65	20.74	22.0	1.0	
50	64QAM	1	1	20.81	20.76	20.66	20.5	2.5	
50	256QAM	1	1	19.73	19.84	19.77	20.0	3.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	23.0	0.0	
40	QPSK	1	1	21.25	21.29	21.24	23.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	23.0	0.0	
20	QPSK	1	1	21.24	21.33	21.25	23.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	23.0	0.0	
15	QPSK	1	1	21.37	21.39	21.30	23.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	23.0	0.0	
10	QPSK	1	1	21.21	21.18	21.35	23.0	0.0	

Par27Q n78_NSA Ant8 PC3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)					3500.01				
50	PI/2 BPSK	1	1		21.20		23.0	0.0	
50	PI/2 BPSK	1	135		20.74				
50	PI/2 BPSK	1	268		20.40				
50	PI/2 BPSK	135	0		21.29				
50	PI/2 BPSK	135	68		21.24		23.0	0.0	
50	PI/2 BPSK	135	135		21.20		22.5	0.5	
50	PI/2 BPSK	270	0		21.29				
50	QPSK	1	1		21.34		23.0	0.0	
50	QPSK	1	135		20.69				
50	QPSK	1	268		20.38				
50	QPSK	135	0		21.31			22.0	1.0
50	QPSK	135	68		21.32		23.0	0.0	
50	QPSK	135	135		21.24		22.0	1.0	
50	QPSK	270	0		21.24				
50	16QAM	1	1		20.23		22.0	1.0	
50	64QAM	1	1		20.26		20.5	2.5	
50	256QAM	1	1		19.39		20.0	3.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	1	21.24	21.23	21.23	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	21.16	21.24	21.28	23.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	1	21.24	21.11	21.29	23.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	1	21.25	21.20	21.24	23.0	0.0	

For DFT-30

n5_SA&NSA Ant0 DS1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	25.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	24.28	24.39	24.30			
20	PI/2 BPSK	1	26	24.39	24.45	24.39	25.0	0.5	
20	PI/2 BPSK	1	49	24.19	24.32	24.26			
20	PI/2 BPSK	25	0	23.98	24.05	23.91			
20	PI/2 BPSK	25	13	24.37	24.51	24.42	25.0	0.5	
20	PI/2 BPSK	25	26	23.91	23.98	23.86			
20	PI/2 BPSK	50	0	23.95	24.04	23.91			
20	QPSK	1	1	24.40	24.51	24.33	25.5	0.0	
20	QPSK	1	26	24.41	24.53	24.38			
20	QPSK	1	49	24.32	24.41	24.32			
20	QPSK	25	0	23.37	23.46	23.35	24.5	1.0	
20	QPSK	25	13	24.48	24.51	24.45			
20	QPSK	25	26	23.62	23.53	23.47			
20	QPSK	50	0	23.56	23.62	23.48	24.5	1.0	
20	16QAM	1	1	22.98	23.07	23.01			
20	64QAM	1	1	21.48	21.56	21.49			
20	256QAM	1	1	20.14	20.19	20.11	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0	
15	QPSK	1	40	24.27	24.47	24.25			
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	25.5	0.0	
10	QPSK	1	26	24.27	24.47	24.33			

n7_SA&NSA Ant0 DS1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	24.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.35	23.42	23.30			
20	PI/2 BPSK	1	26	23.32	23.43	23.34	24.0	0.5	
20	PI/2 BPSK	1	49	23.29	23.40	23.29			
20	PI/2 BPSK	25	0	22.89	23.01	22.86			
20	PI/2 BPSK	25	13	23.38	23.48	23.36	24.0	0.5	
20	PI/2 BPSK	25	26	22.88	22.97	22.87			
20	PI/2 BPSK	50	0	22.93	23.01	22.89			
20	QPSK	1	1	23.51	23.63	23.54	24.5	0.0	
20	QPSK	1	26	23.52	23.68	23.56			
20	QPSK	1	49	23.31	23.41	23.26			
20	QPSK	25	0	22.37	22.51	22.41	23.5	1.0	
20	QPSK	25	13	23.58	23.62	23.53			
20	QPSK	25	26	22.46	22.42	22.34			
20	QPSK	50	0	22.64	22.67	22.62	23.5	1.0	
20	16QAM	1	1	22.15	22.29	22.24			
20	64QAM	1	1	20.67	20.76	20.68			
20	256QAM	1	1	19.16	19.24	19.18	20.0	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0	
15	QPSK	1	40	23.43	23.53	23.48			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.5	0.0	
10	QPSK	1	26	23.42	23.57	23.48			



n38_SA&NSA Ant0 DS1H								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	518000	518998		
Frequency (MHz)				2590.02	2595	2599.98		
40	Pi/2 BPSK	1	1	23.40	23.50	23.42	25.5	0.0
40	Pi/2 BPSK	1	53	24.03	24.10	24.00		
40	Pi/2 BPSK	1	104	23.58	23.61	23.53		
40	Pi/2 BPSK	50	0	23.34	23.48	23.38	25.0	0.5
40	Pi/2 BPSK	50	28	23.92	24.03	23.96	25.5	0.0
40	Pi/2 BPSK	50	58	23.27	23.38	23.25	25.0	0.5
40	Pi/2 BPSK	100	0	23.39	23.48	23.44	25.0	0.5
40	QPSK	1	1	23.85	23.83	23.81	25.5	0.0
40	QPSK	1	53	24.15	24.26	24.12		
40	QPSK	1	104	23.42	23.56	23.45		
40	QPSK	50	0	22.52	22.58	22.84	24.5	1.0
40	QPSK	50	28	24.21	24.23	24.14	25.5	0.0
40	QPSK	50	58	22.77	22.85	22.88	24.5	1.0
40	QPSK	100	0	23.24	23.30	23.28		
40	16QAM	1	1	22.13	22.24	22.10	24.5	1.0
40	64QAM	1	1	20.67	20.76	20.65	23.0	2.5
40	256QAM	1	1	19.26	19.35	19.29	21.0	4.5
Channel				518000	518000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	28	23.89	23.78	23.79	25.5	0.0
Channel				515002	515000	522499	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	19	23.83	23.79	23.81	25.5	0.0
Channel				515004	518000	522998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2593.02	2595	2614.98		
10	QPSK	1	12	23.81	23.83	23.85	25.5	0.0

n41_SA&NSA Ant0 PC3 DS1H								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				508202	518598	533000		
Frequency (MHz)				2546.01	2592.99	2640		
100	Pi/2 BPSK	1	1	22.13	22.22	22.15		
100	Pi/2 BPSK	1	137	22.97	23.03	22.90	24.0	0.0
100	Pi/2 BPSK	1	271	22.88	22.89	22.84		
100	Pi/2 BPSK	135	0	22.87	22.99	22.84	23.5	0.5
100	Pi/2 BPSK	135	69	22.98	23.05	22.96	24.0	0.0
100	Pi/2 BPSK	135	138	22.88	22.93	22.80		
100	Pi/2 BPSK	270	0	22.80	22.84	22.86	23.5	0.5
100	QPSK	1	1	22.94	23.04	22.89		
100	QPSK	1	137	22.99	23.10	22.93	24.0	0.0
100	QPSK	1	271	22.84	22.83	22.87		
100	QPSK	135	0	22.79	22.89	22.75	24.0	0.0
100	QPSK	135	69	22.98	23.09	22.97	24.0	0.0
100	QPSK	135	138	22.92	22.90	22.84	24.0	0.0
100	QPSK	270	0	22.79	22.88	22.82		
100	16QAM	1	1	22.80	22.84	22.84	23.0	1.0
100	64QAM	1	1	22.80	22.82	22.86	23.0	1.0
100	256QAM	1	1	21.03	21.08	20.96	22.0	2.0
Channel				508200	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	22.18	22.30	22.25	24.0	0.0
Channel				537224	518598	539998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	22.16	22.32	22.19	24.0	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2606	2592.99	2659.98		
60	QPSK	1	81	22.20	22.27	22.27	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2592.99	2664.99		
50	QPSK	1	67	22.21	22.31	22.34	24.0	0.0
Channel				532602	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	22.19	22.36	22.21	24.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	22.21	22.27	22.26	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	22.17	22.30	22.19	24.0	0.0
Channel				530302	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	22.18	22.28	22.24	24.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	22.23	22.26	22.27	24.0	0.0

n41_SA&NSA Ant0 PC2 DS1H								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	529500		
Frequency (MHz)				2546.01	2592.99	2640		
100	Pi/2 BPSK	1	1	24.65	24.79	24.73		
100	Pi/2 BPSK	1	137	24.80	24.82	24.86	26.5	0.0
100	Pi/2 BPSK	1	271	24.55	24.69	24.56		
100	Pi/2 BPSK	135	0	25.00	25.03	24.99	26.0	0.5
100	Pi/2 BPSK	135	69	24.91	25.03	24.97	26.5	0.0
100	Pi/2 BPSK	135	138	24.98	25.06	25.00		
100	Pi/2 BPSK	270	0	24.95	25.06	24.97	26.0	0.5
100	QPSK	1	1	24.70	25.01	24.83		
100	QPSK	1	137	24.74	25.08	24.85	26.5	0.0
100	QPSK	1	271	24.89	24.56	24.99		
100	QPSK	135	0	24.92	24.94	24.83	25.5	1.0
100	QPSK	135	69	24.83	24.97	24.84	26.5	0.0
100	QPSK	135	138	24.77	24.72	24.59	25.5	1.0
100	QPSK	270	0	24.53	24.65	24.54		
100	16QAM	1	1	23.88	23.81	23.81	25.5	1.0
100	64QAM	1	1	22.86	22.82	22.81	24.0	2.5
100	256QAM	1	1	21.50	21.63	21.55	22.0	4.5
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	123	24.85	24.90	24.80	26.5	0.0
Channel				537224	518598	539998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	109	24.79	24.88	24.87	26.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2626	2592.99	2659.98		
60	QPSK	1	81	24.77	24.92	24.81	26.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2621.02	2592.99	2664.99		
50	QPSK	1	67	24.85	24.85	24.85	26.5	0.0
Channel				532602	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	53	24.83	24.87	24.78	26.5	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	39	24.79	24.83	24.85	26.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	26	24.78	24.88	24.87	26.5	0.0
Channel				530302	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	19	24.85	24.91	24.83	26.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	12	24.78	24.85	24.84	26.5	0.0

n66_SA&NSA Ant1 DS11								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.22	23.32	23.20	24.5	0.0
40	PI/2 BPSK	1	53	23.36	23.47	23.33		
40	PI/2 BPSK	1	104	23.27	23.34	23.17		
40	PI/2 BPSK	50	0	22.99	23.11	23.05		
40	PI/2 BPSK	50	28	23.36	23.46	23.38	24.5	0.0
40	PI/2 BPSK	50	56	22.92	23.06	22.99	24.0	0.5
40	PI/2 BPSK	100	0	22.98	23.08	23.00		
40	QPSK	1	1	23.32	23.45	23.40	24.5	0.0
40	QPSK	1	53	23.36	23.49	23.41		
40	QPSK	1	104	23.14	23.26	23.21		
40	QPSK	50	0	22.33	22.53	22.39		
40	QPSK	50	28	23.39	23.44	23.43	23.5	1.0
40	QPSK	50	56	22.38	22.52	22.46	23.5	1.0
40	QPSK	100	0	22.31	22.41	22.36		
40	16QAM	1	1	22.13	22.26	22.18	23.5	1.0
40	64QAM	1	1	20.54	20.59	20.52	22.0	2.5
40	256QAM	1	1	19.08	19.16	19.01	20.0	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	23.30	23.39	23.34	24.5	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	67	23.21	23.33	23.28	24.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	26	23.19	23.32	23.27	24.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	19	23.25	23.32	23.35	24.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	12	23.27	23.43	23.29	24.5	0.0

Part270 n77_NSA Ant1 PC3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	23.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.43	20.53	20.41			
100	PI/2 BPSK	1	137	21.61	21.79	21.79			
100	PI/2 BPSK	1	271	20.69	20.77	20.61	23.0	0.0	
100	PI/2 BPSK	135	0	21.28	21.37	21.20			
100	PI/2 BPSK	135	69	21.54	21.60	21.46			
100	PI/2 BPSK	135	138	21.42	21.51	21.41			
100	PI/2 BPSK	270	0	21.33	21.40	21.23	23.0	0.0	
100	QPSK	1	1	20.55	20.72	20.68			
100	QPSK	1	137	21.83	21.85	21.83	23.0	0.0	
100	QPSK	1	271	20.74	20.82	20.62			
100	QPSK	135	0	21.18	21.30	21.34			
100	QPSK	135	69	21.68	21.79	21.73			
100	QPSK	135	138	21.37	21.49	21.28	23.0	0.0	
100	QPSK	270	0	21.38	21.65	21.57			
100	16QAM	1	1	20.22	20.32	20.18	23.0	0.0	
100	64QAM	1	1	20.15	20.21	20.05	23.0	0.0	
100	256QAM	1	1	19.87	19.89	19.83	21.5	1.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	20.96	21.11	21.09	23.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	20.90	21.08	21.08	23.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	95	20.86	21.02	21.05	23.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	20.95	21.08	21.08	23.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	20.92	21.10	21.08	23.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	20.87	21.09	20.99	23.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	20.88	21.13	20.98	23.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	20.92	21.04	21.05	23.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	20.87	21.06	21.06	23.0	0.0	

Par27Q n77_NSA Ant1 PC3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		20.08		23.0	0.0	
100	PI/2 BPSK	1	137		21.25				
100	PI/2 BPSK	1	271		20.36				
100	PI/2 BPSK	135	0		21.02				
100	PI/2 BPSK	135	69		21.26		23.0	0.0	
100	PI/2 BPSK	135	138		21.25		23.0	0.0	
100	PI/2 BPSK	270	0		21.09				
100	QPSK	1	1		20.31		23.0	0.0	
100	QPSK	1	137		21.45				
100	QPSK	1	271		20.42				
100	QPSK	135	0		21.01			0.0	
100	QPSK	135	69		21.34		23.0	0.0	
100	QPSK	135	138		21.21		23.0	0.0	
100	QPSK	270	0		21.12				
100	16QAM	1	1		19.95		23.0	0.0	
100	64QAM	1	1		19.99		23.0	0.0	
100	256QAM	1	1		19.04		21.5	1.5	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	21.18	21.20	21.22	23.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	21.26	21.21	21.24	23.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	21.21	21.22	21.16	23.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	21.15	21.20	21.26	23.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	21.19	21.18	21.23	23.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	21.14	21.20	21.25	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	21.20	21.21	21.20	23.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	21.14	21.21	21.18	23.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	21.15	21.16	21.23	23.0	0.0	

Part270 n78_NSA Ant1 PC3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	23.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	20.46			23.0	0.0	
100	PI/2 BPSK	1	137	21.45					
100	PI/2 BPSK	1	271	21.16					
100	PI/2 BPSK	135	0	21.33					
100	PI/2 BPSK	135	69	21.57			23.0	0.0	
100	PI/2 BPSK	135	138	21.42					
100	PI/2 BPSK	270	0	21.35			23.0	0.0	
100	QPSK	1	1	21.61					
100	QPSK	1	137	21.65			23.0	0.0	
100	QPSK	1	271	21.31					
100	QPSK	135	0	21.38			23.0	0.0	
100	QPSK	135	69	21.53			23.0	0.0	
100	QPSK	135	138	21.45			23.0	0.0	
100	QPSK	270	0	21.34					
100	16QAM	1	1	21.33			23.0	0.0	
100	64QAM	1	1	21.36			23.0	0.0	
100	256QAM	1	1	19.86			21.5	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	21.30	21.25	21.25	23.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	21.28	21.27	21.29	23.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95	21.27	21.24	21.25	23.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81	21.29	21.32	21.27	23.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	21.31	21.33	21.25	23.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	21.24	21.36	21.31	23.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	21.32	21.29	21.29	23.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	21.25	21.30	21.34	23.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	21.28	21.31	21.32	23.0	0.0	

Par27Q n78_NSA Ant1 PC3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		23.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1	20.56			23.0	0.0	
100	PI/2 BPSK	1	137	21.13					
100	PI/2 BPSK	1	271	20.89					
100	PI/2 BPSK	135	0	21.14					
100	PI/2 BPSK	135	69	21.18			23.0	0.0	
100	PI/2 BPSK	135	138	21.17					
100	PI/2 BPSK	270	0	21.19			23.0	0.0	
100	QPSK	1	1	20.37					
100	QPSK	1	137	21.26			23.0	0.0	
100	QPSK	1	271	20.46					
100	QPSK	135	0	21.15			23.0	0.0	
100	QPSK	135	69	21.25			23.0	0.0	
100	QPSK	135	138	21.19			23.0	0.0	
100	QPSK	270	0	21.12					
100	16QAM	1	1	19.95			23.0	0.0	
100	64QAM	1	1	19.90			23.0	0.0	
100	256QAM	1	1	19.10			21.5	1.5	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	21.08	21.19	21.15	23.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	21.10	21.20	21.13	23.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	21.11	21.19	21.11	23.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	21.18	21.17	21.10	23.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	21.13	21.17	21.18	23.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	21.19	21.13	21.09	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	21.17	21.16	21.13	23.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	21.15	21.11	21.19	23.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	21.19	21.11	21.14	23.0	0.0	

n7_SA&NSA Ant2 DS1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.12	23.24	23.11	24.5	0.0	
20	PI/2 BPSK	1	26	23.22	23.30	23.17			
20	PI/2 BPSK	1	49	23.14	23.28	23.16			
20	PI/2 BPSK	1	0	22.75	22.87	22.76			
20	PI/2 BPSK	25	0	22.75	22.87	22.76	24.0	0.5	
20	PI/2 BPSK	25	13	23.26	23.32	23.27	24.5	0.0	
20	PI/2 BPSK	25	26	22.70	22.84	22.77	24.0	0.5	
20	PI/2 BPSK	50	0	22.79	22.91	22.83			
20	QPSK	1	1	23.08	23.32	23.20			
20	QPSK	1	26	23.13	23.36	23.24			
20	QPSK	1	49	23.18	23.27	23.20	23.5	1.0	
20	QPSK	25	0	22.28	22.40	22.29			
20	QPSK	25	13	23.09	23.23	23.22			
20	QPSK	25	26	22.26	22.33	22.21			
20	QPSK	50	0	22.06	22.22	22.18	23.5	1.0	
20	16QAM	1	1	22.20	22.21	22.17	23.5	1.0	
20	64QAM	1	1	20.85	20.83	20.87	22.0	2.5	
20	256QAM	1	1	18.87	18.96	18.87	20.0	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	23.03	23.27	23.16	24.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	23.02	23.22	23.13	24.5	0.0	

n66_SA&NSA Ant2 DS1									
BW [MHz]	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	Tune-up limit (dBm)		
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.57	22.65	22.52	24.5	0.0	
40	PI/2 BPSK	1	53	23.18	23.27	23.22			
40	PI/2 BPSK	1	104	22.76	22.90	22.80			
40	PI/2 BPSK	50	0	22.39	22.53	22.46			
40	PI/2 BPSK	50	28	23.07	23.17	23.03	24.5	0.0	
40	PI/2 BPSK	50	56	22.33	22.47	22.32	24.0	0.5	
40	PI/2 BPSK	100	0	22.45	22.58	22.51			
40	QPSK	1	1	22.74	22.73	22.77			
40	QPSK	1	53	23.25	23.34	23.26			
40	QPSK	1	104	22.67	22.80	22.67	23.5	1.0	
40	QPSK	50	0	22.00	22.14	22.02			
40	QPSK	50	28	23.18	23.29	23.20			
40	QPSK	50	56	21.93	21.99	21.88			
40	QPSK	100	0	22.10	22.23	22.18	23.5	1.0	
40	16QAM	1	1	22.42	22.54	22.40	23.5	1.0	
40	64QAM	1	1	20.89	20.99	20.91	22.0	2.5	
40	256QAM	1	1	18.50	18.56	18.47	20.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	39	23.09	23.01	23.10	24.5	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	32	23.09	23.09	23.06	24.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	26	23.05	23.02	23.09	24.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	19	23.04	23.09	23.08	24.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	12	23.03	23.06	23.06	24.5	0.0	

n38_SA&NSA Ant2 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.08	23.21	23.12	24.5	0.0	
40	PI/2 BPSK	1	53	23.90	23.96	23.88			
40	PI/2 BPSK	1	104	23.17	23.25	23.14			
40	PI/2 BPSK	50	0	23.33	23.46	23.40			
40	PI/2 BPSK	50	28	23.90	23.99	23.92	24.5	0.0	
40	PI/2 BPSK	50	56	23.25	23.38	23.31	24.0	0.5	
40	PI/2 BPSK	100	0	23.40	23.49	23.34			
40	QPSK	1	1	23.00	23.12	22.99	24.5	0.0	
40	QPSK	1	53	23.86	24.06	23.91			
40	QPSK	1	104	22.94	23.08	22.93			
40	QPSK	50	0	22.79	22.86	22.74			
40	QPSK	50	28	23.95	24.02	23.89	24.5	0.0	
40	QPSK	50	56	22.71	22.77	22.71	23.5	1.0	
40	QPSK	100	0	22.77	22.82	22.69			
40	16QAM	1	1	21.62	21.71	21.65	23.5	1.0	
40	64QAM	1	1	20.59	20.72	20.57	22.0	2.5	
40	256QAM	1	1	19.23	19.31	19.17	20.0	4.5	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	24.5	0.0	
20	QPSK	1	26	23.13	23.34	23.27	24.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	24.5	0.0	
15	QPSK	1	19	23.16	23.35	23.25	24.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	24.5	0.0	
10	QPSK	1	12	23.17	23.35	23.19	24.5	0.0	

n41_SA&NSA Ant2 PC3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.73	22.72	22.70	24.5		0.0
100	PI/2 BPSK	1	137	23.18	23.12	23.16			
100	PI/2 BPSK	1	271	23.10	23.05	23.00			
100	PI/2 BPSK	135	0	23.10	23.08	23.08			
100	PI/2 BPSK	135	69	23.07	23.13	23.12	24.5		0.0
100	PI/2 BPSK	135	138	23.23	23.17	23.24	24.5		0.0
100	PI/2 BPSK	270	0	23.25	23.19	23.25			
100	QPSK	1	1	23.01	22.99	23.06	24.5		0.0
100	QPSK	1	137	23.34	23.43	23.36			
100	QPSK	1	271	23.06	23.01	23.02			
100	QPSK	135	0	23.11	23.26	23.17			
100	QPSK	135	69	23.21	23.27	22.93	23.5		1.0
100	QPSK	135	138	23.26	23.24	23.23	23.5		1.0
100	QPSK	270	0	23.21	23.26	23.08			
100	16QAM	1	1	22.75	22.76	22.76	24.5		0.0
100	64QAM	1	1	22.69	22.73	22.75	24.5		0.0
100	256QAM	1	1	22.31	22.24	22.20	23.0		1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	24.5		0.0
90	QPSK	1	123	23.10	23.23	23.08	24.5		0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	24.5		0.0
80	QPSK	1	109	23.13	23.17	23.18	24.5		0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	24.5		0.0
60	QPSK	1	81	23.31	23.36	23.34	24.5		0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	24.5		0.0
50	QPSK	1	67	23.37	23.33	23.36	24.5		0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	24.5		0.0
40	QPSK	1	53	23.34	23.33	23.34	24.5		0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	24.5		0.0
30	QPSK	1	39	23.32	23.37	23.31	24.5		0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	24.5		0.0
20	QPSK	1	26	23.36	23.33	23.36	24.5		0.0
Channel				500700	518598	536996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	24.5		0.0
15	QPSK	1	19	23.37	23.28	23.34	24.5		0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	24.5		0.0
10	QPSK	1	12	23.37	23.36	23.37	24.5		0.0

Part270 n77_SA&NSA Ant3 PC3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	24.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.37	22.48	22.32			
100	PI/2 BPSK	1	137	23.48	23.64	23.50	24.5	0.0	
100	PI/2 BPSK	1	271	22.55	22.63	22.57			
100	PI/2 BPSK	135	0	23.26	23.41	23.34			
100	PI/2 BPSK	135	69	23.43	23.59	23.47	24.5	0.0	
100	PI/2 BPSK	135	138	23.33	23.48	23.38			
100	PI/2 BPSK	270	0	23.38	23.47	23.36			
100	QPSK	1	1	22.34	22.62	22.45	24.5	0.0	
100	QPSK	1	137	22.53	23.66	23.59			
100	QPSK	1	271	22.49	22.60	22.44			
100	QPSK	135	0	23.33	23.39	23.27	24.5	0.0	
100	QPSK	135	69	23.46	23.61	23.56			
100	QPSK	135	138	23.34	23.43	23.47			
100	QPSK	270	0	23.35	23.48	23.39	24.5	0.0	
100	16QAM	1	1	23.53	23.52	23.58			
100	64QAM	1	1	23.64	23.61	23.55			
100	256QAM	1	1	21.72	21.76	21.78	23.0	1.5	
Channel				649668	656000	662334	24.5	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	23.21	23.50	23.33		0.0	
Channel				649334	656000	662668	24.5	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	23.19	23.52	23.34		0.0	
Channel				649000	656000	663000	24.5	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	95	23.28	23.50	23.30		0.0	
Channel				648668	656000	663334	24.5	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	23.17	23.49	23.34		0.0	
Channel				648334	656000	663668	24.5	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	23.27	23.55	23.30		0.0	
Channel				648000	656000	664000	24.5	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	23.22	23.50	23.31		0.0	
Channel				647334	656000	664668	24.5	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	23.28	23.54	23.35		0.0	
Channel				647168	656000	664834	24.5	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	23.24	23.49	23.37		0.0	
Channel				647000	656000	665000	24.5	0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	23.17	23.47	23.40		0.0	

Par27Q n77_NSA Ant3 PC3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		24.5	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		22.18				
100	PI/2 BPSK	1	137		23.11		24.5	0.0	
100	PI/2 BPSK	1	271		22.16				
100	PI/2 BPSK	135	0		23.00			0.0	
100	PI/2 BPSK	135	69		23.09		24.5	0.0	
100	PI/2 BPSK	135	138		23.04				
100	PI/2 BPSK	270	0		23.01			0.0	
100	QPSK	1	1		22.17		24.5	0.0	
100	QPSK	1	137		23.42				
100	QPSK	1	271		22.10				
100	QPSK	135	0		22.95		24.5	0.0	
100	QPSK	135	69		23.19				
100	QPSK	135	138		22.98			0.0	
100	QPSK	270	0		23.04		24.5	0.0	
100	16QAM	1	1		23.12				
100	64QAM	1	1		23.12			0.0	
100	256QAM	1	1		21.77		23.0	1.5	
Channel				633000	633334	633666	24.5	0.0	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	23.20	23.09	23.13		0.0	
Channel				632668	633334	634000	24.5	0.0	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	23.19	23.15	23.18		0.0	
Channel				632334	633334	634332	24.5	0.0	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	23.12	23.16	23.14		0.0	
Channel				632000	633334	634666	24.5	0.0	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	23.20	23.19	23.19		0.0	
Channel				631668	633334	635000	24.5	0.0	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	23.09	23.15	23.19		0.0	
Channel				631334	633334	635332	24.5	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	23.16	23.08	23.14		0.0	
Channel				630668	633334	636000	24.5	0.0	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	23.18	23.16	23.15		0.0	
Channel				630500	633334	636166	24.5	0.0	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	23.15	23.15	23.13		0.0	
Channel				630334	633334	636332	24.5	0.0	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	23.14	23.16	23.12		0.0	

Part270 n77_SA&NSA Ant3 PC2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	26.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	24.17	24.38	24.45			
100	PI/2 BPSK	1	137	25.13	25.22	25.11			
100	PI/2 BPSK	1	271	24.14	24.40	24.27	26.0	0.0	
100	PI/2 BPSK	135	0	25.64	25.60	25.44			
100	PI/2 BPSK	135	69	25.23	25.17	25.35			
100	PI/2 BPSK	135	138	25.40	25.56	25.49			
100	PI/2 BPSK	270	0	25.37	25.69	25.53	26.0	0.0	
100	QPSK	1	1	24.36	24.45	24.46			
100	QPSK	1	137	25.78	25.86	25.75			
100	QPSK	1	271	24.14	24.31	24.20			
100	QPSK	135	0	25.55	25.43	25.39	26.0	0.0	
100	QPSK	135	69	25.32	25.62	25.39			
100	QPSK	135	138	25.57	25.59	25.60			
100	QPSK	270	0	25.28	25.68	25.52			
100	16QAM	1	1	25.73	25.56	25.70	26.0	0.0	
100	64QAM	1	1	23.61	23.75	23.82			
100	256QAM	1	1	21.76	21.90	21.86			
Channel				649668	656000	662334	26.0	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	25.23	25.78	25.13		0.0	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02	26.0	0.0	
80	QPSK	1	109	25.79	25.64	25.13			
Channel				649000	656000	663000		0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	95	25.61	25.77	25.09		0.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01	26.0	0.0	
60	QPSK	1	81	25.55	25.56	25.43			
Channel				648334	656000	663668		0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	25.56	25.62	25.52		0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960	26.0	0.0	
40	QPSK	1	53	25.47	25.73	25.55			
Channel				647334	656000	664668		0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	25.62	25.65	25.48		0.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51	26.0	0.0	
15	QPSK	1	19	25.68	25.71	25.65			
Channel				647000	656000	665000		0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	25.68	25.60	25.54		0.0	

Par27Q n77_NSA Ant3 PC2 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		26.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1	24.06					
100	PI/2 BPSK	1	137	24.51					
100	PI/2 BPSK	1	271	24.08		26.0	0.0		
100	PI/2 BPSK	135	0	24.89					
100	PI/2 BPSK	135	69	25.20					
100	PI/2 BPSK	135	138	25.12					
100	PI/2 BPSK	270	0	25.08		26.0	0.0		
100	QPSK	1	1	24.13					
100	QPSK	1	137	25.38					
100	QPSK	1	271	24.12					
100	QPSK	135	0	24.80		26.0	0.0		
100	QPSK	135	69	25.08					
100	QPSK	135	138	24.88					
100	QPSK	270	0	24.88					
100	16QAM	1	1	24.80		26.0	0.0		
100	64QAM	1	1	23.67					
100	256QAM	1	1	21.72					
Channel				633000	633334	633666	26.0	0.0	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	25.07	25.16	25.18		0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	26.0	0.0	
80	QPSK	1	109	25.05	25.07	25.14			
Channel				632334	633334	634332		0.0	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	24.96	24.98	25.00		0.0	
Channel				632000	633334	634666			
Frequency (MHz)				3480	3500.01	3519.99	26.0	0.0	
60	QPSK	1	81	25.13	25.01	25.20			
Channel				631668	633334	635000		0.0	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	24.95	25.01	25.16		0.0	
Channel				631334	633334	635332			
Frequency (MHz)				3470.01	3500.01	3529.98	26.0	0.0	
40	QPSK	1	53	25.13	25.02	25.17			
Channel				630668	633334	636000		0.0	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	24.98	25.04	25.09		0.0	
Channel				630500	633334	636166			
Frequency (MHz)				3457.5	3500.01	3542.49	26.0	0.0	
15	QPSK	1	19	25.07	25.18	25.04			
Channel				630334	633334	636332		0.0	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	24.96	25.04	25.13		0.0	

Part27O n78_SA&NSA Ant3 PC3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000			24.5	0.0	
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	22.46			24.5	0.0	
100	PI/2 BPSK	1	137	23.46					
100	PI/2 BPSK	1	271	22.87					
100	PI/2 BPSK	135	0	23.36			24.5	0.0	
100	PI/2 BPSK	135	69	23.61			24.5	0.0	
100	PI/2 BPSK	135	138	23.51			24.5	0.0	
100	PI/2 BPSK	270	0	23.45			24.5	0.0	
100	QPSK	1	1	22.47			24.5	0.0	
100	QPSK	1	137	23.63					
100	QPSK	1	271	22.84					
100	QPSK	135	0	23.31			24.5	0.0	
100	QPSK	135	69	23.62			24.5	0.0	
100	QPSK	135	138	23.44			24.5	0.0	
100	QPSK	270	0	23.48			24.5	0.0	
100	16QAM	1	1	22.19			24.5	0.0	
100	64QAM	1	1	22.28			24.5	0.0	
100	256QAM	1	1	21.32			23.0	1.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123	23.46	23.37	23.35	24.5	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109	23.37	23.34	23.41	24.5	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95	23.44	23.41	23.46	24.5	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81	23.38	23.36	23.41	24.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67	23.39	23.38	23.40	24.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	23.35	23.39	23.42	24.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	23.40	23.44	23.40	24.5	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	23.35	23.40	23.42	24.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	23.34	23.43	23.35	24.5	0.0	

Par27Q n78_NSA Ant3 PC3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			24.5	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	22.43			24.5	0.0	
100	PI/2 BPSK	1	137	23.32					
100	PI/2 BPSK	1	271	22.49					
100	PI/2 BPSK	135	0	23.32			24.5	0.0	
100	PI/2 BPSK	135	69	23.36			24.5	0.0	
100	PI/2 BPSK	135	138	23.23			24.5	0.0	
100	PI/2 BPSK	270	0	23.33			24.5	0.0	
100	QPSK	1	1	22.47			24.5	0.0	
100	QPSK	1	137	23.38					
100	QPSK	1	271	22.52					
100	QPSK	135	0	23.32			24.5	0.0	
100	QPSK	135	69	23.33			24.5	0.0	
100	QPSK	135	138	23.29			24.5	0.0	
100	QPSK	270	0	23.27			24.5	0.0	
100	16QAM	1	1	22.29			24.5	0.0	
100	64QAM	1	1	22.27			24.5	0.0	
100	256QAM	1	1	21.39			23.0	1.5	
Channel				633000	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)	
90	QPSK	1	123	23.32	23.24	23.32	24.5	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	23.29	23.25	23.28	24.5	0.0	
Channel				632334	633334	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)	
70	QPSK	1	95	23.24	23.24	23.23	24.5	0.0	
Channel				632000	633334	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)	
60	QPSK	1	81	23.26	23.24	23.23	24.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	23.30	23.31	23.30	24.5	0.0	
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	QPSK	1	53	23.23	23.30	23.32	24.5	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	23.27	23.30	23.29	24.5	0.0	
Channel				630500	633334	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	QPSK	1	19	23.25	23.33	23.23	24.5	0.0	
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	12	23.31	23.24	23.27	24.5	0.0	

Part270 n78_SA&NSA Ant3 PC2 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 / E100	Power Middle Ch. 1 / E100	Power High Ch. 1 / E100	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	26.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	24.27					
100	PI/2 BPSK	1	137	25.39					
100	PI/2 BPSK	1	271	24.72			26.0	0.0	
100	PI/2 BPSK	135	0	25.16					
100	PI/2 BPSK	135	69	25.41					
100	PI/2 BPSK	135	138	25.39					
100	PI/2 BPSK	270	0	25.38			26.0	0.0	
100	QPSK	1	1	24.32					
100	QPSK	1	137	25.68					
100	QPSK	1	271	24.52					
100	QPSK	135	0	25.56			26.0	0.0	
100	QPSK	135	69	25.59			26.0	0.0	
100	QPSK	135	138	25.56			26.0	0.0	
100	QPSK	270	0	25.32			26.0	0.0	
100	16QAM	1	1	24.12			26.0	0.0	
100	64QAM	1	1	22.72			24.5	1.5	
100	256QAM	1	1	21.42			22.5	3.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123	25.21	25.09	25.02	26.0	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109	25.21	25.15	25.01	26.0	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95	25.18	25.12	25.00	26.0	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81	25.09	25.16	25.11	26.0	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67	25.12	25.20	25.16	26.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	25.25	25.07	25.17	26.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	25.23	25.04	25.11	26.0	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	25.29	25.11	25.05	26.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	25.13	25.09	25.20	26.0	0.0	

Par27Q n78_NSA Ant3 PC2 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 / E100	Power Middle Ch. 1 / E100	Power High Ch. 1 / E100	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		26.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		24.47				
100	PI/2 BPSK	1	137		25.14				
100	PI/2 BPSK	1	271		24.45		26.0	0.0	
100	PI/2 BPSK	135	0		25.33				
100	PI/2 BPSK	135	69		25.20				
100	PI/2 BPSK	135	138		25.34				
100	PI/2 BPSK	270	0		25.26		26.0	0.0	
100	QPSK	1	1		24.40		26.0	0.0	
100	QPSK	1	137		25.36				
100	QPSK	1	271		24.11				
100	QPSK	135	0		25.21		26.0	0.0	
100	QPSK	135	69		25.25		26.0	0.0	
100	QPSK	135	138		25.22		26.0	0.0	
100	QPSK	270	0		25.24		26.0	0.0	
100	16QAM	1	1		24.12		26.0	0.0	
100	64QAM	1	1		22.73		24.5	1.5	
100	256QAM	1	1		21.19		22.5	3.5	
Channel				633000	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)	
90	QPSK	1	123	25.22	25.06	25.14	26.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	25.26	25.21	25.06	26.0	0.0	
Channel				632334	633334	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)	
70	QPSK	1	95	25.11	25.18	25.07	26.0	0.0	
Channel				632000	633334	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)	
60	QPSK	1	81	25.17	25.03	25.19	26.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	25.19	25.10	25.10	26.0	0.0	
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	QPSK	1	53	25.16	25.06	25.08	26.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	25.10	25.24	25.15	26.0	0.0	
Channel				630500	633334	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	QPSK	1	19	25.26	25.17	25.00	26.0	0.0	
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	12	25.30	25.15	25.15	26.0	0.0	

n5_SA&NSA Ant4 DS1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166500	167000	167500	24.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	23.57	23.71	23.60	24.5	0.0
20	PI2 BPSK	1	26	23.67	23.77	23.72		
20	PI2 BPSK	1	49	23.52	23.66	23.52		
20	PI2 BPSK	25	0	23.37	23.49	23.38	24.0	0.5
20	PI2 BPSK	25	13	23.79	23.86	23.74	24.5	0.0
20	PI2 BPSK	25	26	23.27	23.33	23.19	24.0	0.5
20	PI2 BPSK	50	0	23.30	23.43	23.30	24.5	0.0
20	QPSK	1	1	23.82	23.93	23.85		
20	QPSK	1	26	23.83	23.96	23.87		
20	QPSK	1	49	23.56	23.69	23.54	23.5	1.0
20	QPSK	25	0	22.82	22.96	22.85		
20	QPSK	25	13	23.69	23.92	23.86		
20	QPSK	25	26	22.69	22.85	22.78	23.5	1.0
20	QPSK	50	0	22.97	23.04	22.93	23.5	1.0
20	16QAM	1	1	22.26	22.38	22.21		
20	64QAM	1	1	20.67	20.94	20.80		
20	256QAM	1	1	19.41	19.44	19.42	20.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5	24.5	(dB)
15	QPSK	1	19	23.71	23.83	23.72	24.5 <td>0.0</td>	0.0
Channel				165500	167000	168000	Tune-up limit (dBm)	MPR
Frequency (MHz)				829	836.5	844	24.5	(dB)
10	QPSK	1	12	23.76	23.90 <td>23.78</td> <td>24.5<td>0.0</td></td>	23.78	24.5 <td>0.0</td>	0.0

n7_SA&NSA Ant4 DS1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	19.0	0.0
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	18.34	18.25	18.34	19.0	0.0
20	PI/2 BPSK	1	26	18.23	18.33	18.24		
20	PI/2 BPSK	1	49	18.15	18.23	18.10		
20	PI/2 BPSK	25	0	18.22	18.34	18.20	19.0	0.0
20	PI/2 BPSK	25	13	18.26	18.38	18.23	19.0	0.0
20	PI/2 BPSK	25	26	18.31	18.37	18.22	19.0	0.0
20	PI/2 BPSK	50	0	18.28	18.36	18.27	19.0	0.0
20	QPSK	1	1	18.50	18.29	18.47	19.0	0.0
20	QPSK	1	26	18.20	18.57	18.24		
20	QPSK	1	49	18.16	18.26	18.11		
20	QPSK	25	0	18.38	18.39	18.38	19.0	0.0
20	QPSK	25	13	18.33	18.44	18.30	19.0	0.0
20	QPSK	25	26	18.16	18.30	18.16	19.0	0.0
20	QPSK	50	0	18.26	18.35	18.21	19.0	0.0
20	16QAM	1	1	18.38	18.43	18.35	19.0	0.0
20	64QAM	1	1	18.35	18.47	18.42	19.0	0.0
20	256QAM	1	1	18.42	18.53	18.37	19.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	19.0	0.0
15	QPSK	1	19	18.18	18.23	18.13	19.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505 <th>2535</th> <th>2565</th> <th>19.0</th> <th>0.0</th>	2535	2565	19.0	0.0
10	QPSK	1	12	18.24	18.28	18.14	19.0	0.0

n66_SA&NSA Ant4 DS1								
BW [MHz]	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	20.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	18.88	18.98	18.84	20.0	0.0
40	PI/2 BPSK	1	53	19.55	19.63	19.53		
40	PI/2 BPSK	1	104	19.12	19.20	19.15		
40	PI/2 BPSK	50	0	19.21	19.27	19.21	20.0	0.0
40	PI/2 BPSK	50	26	19.44	19.51	19.42	20.0	0.0
40	PI/2 BPSK	50	56	19.19	19.31	19.20	20.0	0.0
40	PI/2 BPSK	100	0	19.20	19.35	19.21	20.0	0.0
40	QPSK	1	1	18.92	18.96	18.98	20.0	0.0
40	QPSK	1	53	19.46	19.65	19.46		
40	QPSK	1	104	19.00	19.10	19.04		
40	QPSK	50	0	19.12	19.24	19.09	20.0	0.0
40	QPSK	50	26	19.43	19.48	19.34	20.0	0.0
40	QPSK	50	56	19.20	19.29	19.24	20.0	0.0
40	QPSK	100	0	19.22	19.32	19.24	20.0	0.0
40	16QAM	1	1	18.66	18.72	18.61	20.0	0.0
40	64QAM	1	1	18.61	18.74	18.63	20.0	0.0
40	256QAM	1	1	18.20	18.32	18.21	19.0	1.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	20.0	0.0
30	QPSK	1	39	19.50	19.61	19.54	20.0	0.0
Channel				344000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	20.0	0.0
25	QPSK	1	32	19.50	19.62	19.53	20.0	0.0
Channel				343000	349000	356000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	20.0	0.0
20	QPSK	1	26	19.51	19.62	19.58	20.0	0.0
Channel				343000	349000	356500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745 <td>1772.5</td> <td>20.0</td> <td>0.0</td>	1772.5	20.0	0.0
15	QPSK	1	19	19.53	19.62	19.63	20.0	0.0
Channel				343000	349000	357000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	20.0	0.0
10	QPSK	1	12	19.48	19.63	19.63	20.0	0.0

n38_SA&NSA Ant4 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	21.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	18.42	18.43	18.49	21.0	0.0	
40	PI/2 BPSK	1	53	18.78	18.90	18.83			
40	PI/2 BPSK	1	104	18.60	18.71	18.58			
40	PI/2 BPSK	50	0	18.95	19.05	18.92			
40	PI/2 BPSK	50	28	18.82	18.94	18.81	21.0	0.0	
40	PI/2 BPSK	50	56	18.86	18.98	18.86	21.0	0.0	
40	PI/2 BPSK	100	0	18.97	19.01	18.93			
40	QPSK	1	1	18.99	19.06	18.94			
40	QPSK	1	53	19.00	19.09	18.95		0.0	
40	QPSK	1	104	18.54	18.67	18.58	21.0		
40	QPSK	50	0	18.83	18.97	18.81	21.0	0.0	
40	QPSK	50	28	18.82	19.06	18.85	21.0	0.0	
40	QPSK	50	56	18.94	18.91	18.91	21.0	0.0	
40	QPSK	100	0	18.83	18.94	18.78	21.0	0.0	
40	16QAM	1	1	18.95	18.93	18.85			
40	64QAM	1	1	18.95	18.81	18.84			
40	256QAM	1	1	18.81	18.72	18.69		1.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2590	2595	2610	(dBm)	(dB)	
20	QPSK	1	26	18.73	18.83	18.69	21.0	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	19	18.68	18.89	18.72	21.0	0.0	
Channel				515004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	12	18.70	18.87	18.74	21.0	0.0	

n41_SA&NSA Ant4 PC3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	21.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.60	18.73	18.57	21.0	0.0	
100	PI/2 BPSK	1	137	19.78	19.80	19.78			
100	PI/2 BPSK	1	271	19.32	19.40	19.27			
100	PI/2 BPSK	135	0	19.42	19.54	19.44			
100	PI/2 BPSK	135	69	19.71	19.79	19.74	21.0	0.0	
100	PI/2 BPSK	135	138	19.71	19.80	19.65	21.0	0.0	
100	PI/2 BPSK	270	0	19.63	19.68	19.61			
100	QPSK	1	1	19.50	19.58	19.45			
100	QPSK	1	137	19.78	19.83	19.78		0.0	
100	QPSK	1	271	19.37	19.44	19.32	21.0		
100	QPSK	135	0	19.45	19.61	19.49	21.0	0.0	
100	QPSK	135	69	19.76	19.82	19.68	21.0	0.0	
100	QPSK	135	138	19.66	19.72	19.64	21.0	0.0	
100	QPSK	270	0	19.51	19.63	19.53	21.0	0.0	
100	16QAM	1	1	19.34	19.49	19.34			
100	64QAM	1	1	19.45	19.57	19.47			
100	256QAM	1	1	18.68	18.53	18.45		20.0	
Channel				508000	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	123	19.43	19.57	19.33	21.0	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	109	19.30	19.40	19.30	21.0	0.0	
Channel				506200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	81	19.37	19.51	19.47	21.0	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	67	19.41	19.56	19.41	21.0	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	53	19.41	19.50	19.45	21.0	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	39	19.47	19.40	19.30	21.0	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	26	19.37	19.57	19.49	21.0	0.0	
Channel				500700	518598	536496	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	19	19.47	19.51	19.40	21.0	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	12	19.36	19.47	19.40	21.0	0.0	

Part270 n77_NSA Ant5 PC2&3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.28	17.36	17.22			
100	PI/2 BPSK	1	137	18.35	18.48	18.38	19.0	0.0	
100	PI/2 BPSK	1	271	17.46	17.56	17.42			
100	PI/2 BPSK	135	0	18.25	18.39	18.32			
100	PI/2 BPSK	135	69	18.54	18.32	18.47			
100	PI/2 BPSK	135	138	18.25	18.38	18.22	19.0	0.0	
100	PI/2 BPSK	270	0	18.30	18.41	18.33			
100	QPSK	1	1	17.96	17.86	18.04			
100	QPSK	1	137	18.46	18.56	18.40			
100	QPSK	1	271	17.47	17.58	17.45	19.0	0.0	
100	QPSK	135	0	18.25	18.32	18.22	19.0	0.0	
100	QPSK	135	69	18.21	18.36	18.25	19.0	0.0	
100	QPSK	135	138	18.12	18.27	18.21			
100	QPSK	270	0	18.30	18.34	18.22			
100	16QAM	1	1	16.99	17.14	17.01	19.0	0.0	
100	64QAM	1	1	17.12	17.17	17.06	19.0	0.0	
100	256QAM	1	1	17.71	17.78	17.63	19.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	19.0	0.0	
90	QPSK	1	123	18.51	18.54	18.47	19.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	19.0	0.0	
80	QPSK	1	109	18.46	18.49	18.38	19.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	19.0	0.0	
70	QPSK	1	95	18.47	18.54	18.42	19.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	19.0	0.0	
60	QPSK	1	81	18.47	18.38	18.40	19.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	19.0	0.0	
50	QPSK	1	67	18.45	18.53	18.42	19.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	19.0	0.0	
40	QPSK	1	53	18.41	18.51	18.39	19.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	19.0	0.0	
20	QPSK	1	26	18.46	18.54	18.38	19.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	19.0	0.0	
15	QPSK	1	19	18.44	18.55	18.44	19.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	19.0	0.0	
10	QPSK	1	12	18.50	18.52	18.43	19.0	0.0	

Par27Q n77_NSA Ant5 PC2&3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		17.02		19.0		0.0
100	PI/2 BPSK	1	137		17.98				
100	PI/2 BPSK	1	271		17.01				
100	PI/2 BPSK	135	0		17.85				
100	PI/2 BPSK	135	69		17.98		19.0		0.0
100	PI/2 BPSK	135	138		17.89		19.0		0.0
100	PI/2 BPSK	270	0		17.80				
100	QPSK	1	1		18.17		19.0		0.0
100	QPSK	1	137		18.25				
100	QPSK	1	271		17.07				
100	QPSK	135	0		17.81				
100	QPSK	135	69		18.03		19.0		0.0
100	QPSK	135	138		17.91		19.0		0.0
100	QPSK	270	0		17.83				
100	16QAM	1	1		17.83		19.0		0.0
100	64QAM	1	1		17.35		19.0		0.0
100	256QAM	1	1		17.39		19.0		0.0
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	19.0	0.0	
90	QPSK	1	123	17.91	17.90	17.79	19.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	19.0	0.0	
80	QPSK	1	109	17.85	17.93	17.77	19.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	19.0	0.0	
70	QPSK	1	95	17.85	17.89	17.86	19.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	19.0	0.0	
60	QPSK	1	81	17.93	17.92	17.80	19.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	19.0	0.0	
50	QPSK	1	67	17.91	17.90	17.80	19.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	19.0	0.0	
40	QPSK	1	53	17.85	17.94	17.84	19.0	0.0	
Channel				630968	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	19.0	0.0	
20	QPSK	1	26	17.94	17.98	17.76	19.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	19.0	0.0	
15	QPSK	1	19	17.87	17.93	17.88	19.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	19.0	0.0	
10	QPSK	1	12	17.94	17.89	17.78	19.0	0.0	

Part27O n78_NSA Ant5 PC2&3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		17.08		19.0		0.0
100	PI/2 BPSK	1	137		18.04				
100	PI/2 BPSK	1	271		17.39				
100	PI/2 BPSK	135	0		17.89				
100	PI/2 BPSK	135	69		18.00		19.0		0.0
100	PI/2 BPSK	135	138		18.09		19.0		0.0
100	PI/2 BPSK	270	0		18.00				
100	QPSK	1	1		18.19		19.0		0.0
100	QPSK	1	137		18.42				
100	QPSK	1	271		17.35				
100	QPSK	135	0		17.94				
100	QPSK	135	69		18.20		19.0		0.0
100	QPSK	135	138		18.05		19.0		0.0
100	QPSK	270	0		17.97				
100	16QAM	1	1		17.77		19.0		0.0
100	64QAM	1	1		17.84		19.0		0.0
100	256QAM	1	1		17.39		19.0		0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	19.0	0.0	
90	QPSK	1	123		18.11	18.13	18.02	19.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	19.0	0.0	
80	QPSK	1	109		18.06	18.11	18.05	19.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	19.0	0.0	
70	QPSK	1	95		18.13	18.12	18.02	19.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	19.0	0.0	
60	QPSK	1	81		18.17	18.11	18.02	19.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	19.0	0.0	
50	QPSK	1	67		18.12	18.15	18.08	19.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	19.0	0.0	
40	QPSK	1	53		18.13	18.11	17.99	19.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	19.0	0.0	
20	QPSK	1	26		18.18	18.16	18.05	19.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	19.0	0.0	
15	QPSK	1	19		18.12	18.14	18.03	19.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	19.0	0.0	
10	QPSK	1	12		18.15	18.17	18.02	19.0	

Par27Q n78_NSA Ant5 PC2&3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		17.13		19.0	0.0	
100	PI/2 BPSK	1	137		18.15				
100	PI/2 BPSK	1	271		17.29				
100	PI/2 BPSK	135	0		18.02				
100	PI/2 BPSK	135	69		18.20		19.0	0.0	
100	PI/2 BPSK	135	138		18.09		19.0	0.0	
100	PI/2 BPSK	270	0		18.03				
100	QPSK	1	1		18.08		19.0	0.0	
100	QPSK	1	137		18.21				
100	QPSK	1	271		17.26				
100	QPSK	135	0		18.07				
100	QPSK	135	69		18.24		19.0	0.0	
100	QPSK	135	138		18.10		19.0	0.0	
100	QPSK	270	0		18.03				
100	16QAM	1	1		17.65		19.0	0.0	
100	64QAM	1	1		17.45		19.0	0.0	
100	256QAM	1	1		17.54		19.0	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	19.0	0.0	
90	QPSK	1	123	18.00	18.07	17.96	19.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	19.0	0.0	
80	QPSK	1	109	18.01	18.15	18.00	19.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	19.0	0.0	
70	QPSK	1	95	18.09	18.14	18.01	19.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	19.0	0.0	
60	QPSK	1	81	18.06	18.09	17.96	19.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	19.0	0.0	
50	QPSK	1	67	18.02	18.11	17.96	19.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	19.0	0.0	
40	QPSK	1	53	18.00	18.05	18.00	19.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	19.0	0.0	
20	QPSK	1	26	18.11	18.04	17.96	19.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	19.0	0.0	
15	QPSK	1	19	18.12	18.12	17.96	19.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	19.0	0.0	
10	QPSK	1	12	18.12	18.11	17.97	19.0	0.0	

Part270 n77_NSA Ant8 PC3 DS1									
BW [MHz]	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	23.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.40	20.44	20.38	23.0	0.0	
100	PI/2 BPSK	1	137	21.53	21.48	21.52			
100	PI/2 BPSK	1	271	20.51	20.55	20.42			
100	PI/2 BPSK	135	0	21.27	21.38	21.34			
100	PI/2 BPSK	135	69	21.49	21.44	21.52			
100	PI/2 BPSK	135	138	21.38	21.46	21.40	23.0	0.0	
100	PI/2 BPSK	270	0	21.38	21.44	21.35			
100	QPSK	1	1	20.48	20.49	20.62	23.0	0.0	
100	QPSK	1	137	21.56	21.57	21.39			
100	QPSK	1	271	20.56	20.62	20.53			
100	QPSK	135	0	21.41	21.46	21.35		23.0	
100	QPSK	135	69	21.48	21.53	21.62			
100	QPSK	135	138	21.48	21.41	21.33	23.0	0.0	
100	QPSK	270	0	21.44	21.48	21.47			
100	16QAM	1	1	21.17	21.22	21.18	23.0	0.0	
100	64QAM	1	1	21.23	21.28	21.14	23.0	0.0	
100	256QAM	1	1	19.82	19.86	19.81	21.5	1.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	21.21	21.17	21.36	23.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	21.20	21.24	21.30	23.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	95	21.17	21.23	21.29	23.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	21.14	21.19	21.37	23.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	21.20	21.25	21.37	23.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	21.24	21.24	21.35	23.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	21.18	21.25	21.30	23.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	21.16	21.25	21.39	23.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	21.23	21.14	21.33	23.0	0.0	

Par27Q n77_NSA Ant8 PC3 DS1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				633334		3500.01	23.0	0.0		
Frequency (MHz)										
100	PI/2 BPSK	1	1	20.30		23.0	0.0	0.0		
100	PI/2 BPSK	1	137	21.25						
100	PI/2 BPSK	1	271	20.26						
100	PI/2 BPSK	135	0	21.14						
100	PI/2 BPSK	135	69	21.28						
100	PI/2 BPSK	135	138	21.17		23.0	0.0	0.0		
100	PI/2 BPSK	270	0	21.12						
100	QPSK	1	1	20.36		23.0	0.0	0.0		
100	QPSK	1	137	21.49						
100	QPSK	1	271	20.34						
100	QPSK	135	0	21.15						
100	QPSK	135	69	21.38						
100	QPSK	135	138	21.20		23.0	0.0	0.0		
100	QPSK	270	0	21.16						
100	16QAM	1	1	21.10		23.0	0.0			
100	64QAM	1	1	21.18		23.0	0.0			
100	256QAM	1	1	19.87		21.5	1.5			
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3495	3500.01	3504.99				
90	QPSK	1	123	21.14	21.12	21.18	23.0	0.0		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02	3500.01	3510				
80	QPSK	1	109	21.08	21.11	21.08	23.0	0.0		
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3485.01	3500.01	3514.98				
70	QPSK	1	95	21.28	21.30	21.33	23.0	0.0		
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3500.01	3519.99				
60	QPSK	1	81	21.33	21.33	21.32	23.0	0.0		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3500.01	3525				
50	QPSK	1	67	21.34	21.30	21.35	23.0	0.0		
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3500.01	3529.98				
40	QPSK	1	53	21.31	21.34	21.34	23.0	0.0		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3500.01	3540				
20	QPSK	1	26	21.34	21.32	21.37	23.0	0.0		
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500.01	3542.49				
15	QPSK	1	19	21.27	21.30	21.29	23.0	0.0		
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455.01	3500.01	3544.98				
10	QPSK	1	12	21.29	21.31	21.35	23.0	0.0		

Part270 n78_NSA Ant8 PC3 DSH1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		20.41		23.0	0.0	
100	PI/2 BPSK	1	137		21.37				
100	PI/2 BPSK	1	271		20.76				
100	PI/2 BPSK	135	0		21.32				
100	PI/2 BPSK	135	69		21.41		23.0	0.0	
100	PI/2 BPSK	135	138		21.42		23.0	0.0	
100	PI/2 BPSK	270	0		21.31				
100	QPSK	1	1		20.37		23.0	0.0	
100	QPSK	1	137		21.45				
100	QPSK	1	271		20.72				
100	QPSK	135	0		21.25				
100	QPSK	135	69		21.39		23.0	0.0	
100	QPSK	135	138		21.38		23.0	0.0	
100	QPSK	270	0		21.37				
100	16QAM	1	1		21.25		23.0	0.0	
100	64QAM	1	1		21.29		23.0	0.0	
100	256QAM	1	1		19.93		21.5	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	21.14	21.27	21.06	23.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	21.20	21.24	21.10	23.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95	21.13	21.16	21.09	23.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81	21.13	21.17	21.12	23.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	21.21	21.25	21.09	23.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	21.17	21.16	21.15	23.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	21.12	21.19	21.14	23.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	21.22	21.18	21.07	23.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	21.21	21.17	21.16	23.0	0.0	

Par27Q n78_NSA Ant8 PC3 DSH1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		20.49		23.0		0.0
100	PI/2 BPSK	1	137		21.42				
100	PI/2 BPSK	1	271		20.56				
100	PI/2 BPSK	135	0		21.29				
100	PI/2 BPSK	135	69		21.41		23.0		0.0
100	PI/2 BPSK	135	138		21.29		23.0		0.0
100	PI/2 BPSK	270	0		21.28				
100	QPSK	1	1		20.45		23.0		0.0
100	QPSK	1	137		21.47				
100	QPSK	1	271		20.49				
100	QPSK	135	0		21.33				
100	QPSK	135	69		21.45		23.0		0.0
100	QPSK	135	138		21.33		23.0		0.0
100	QPSK	270	0		21.32				
100	16QAM	1	1		21.27		23.0		0.0
100	64QAM	1	1		21.33		23.0		0.0
100	256QAM	1	1		19.83		21.5		1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	21.07	21.20	21.10	23.0		0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	21.09	21.09	21.02	23.0		0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	21.06	21.20	21.02	23.0		0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	21.05	21.17	20.99	23.0		0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	21.16	21.20	21.11	23.0		0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	21.10	21.15	21.02	23.0		0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	21.05	21.17	21.02	23.0		0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	21.11	21.20	21.03	23.0		0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	21.05	21.14	21.06	23.0		0.0

n5_SA&NSA Ant0 DS12									
BW [MHz]	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	PI/2 BPSK	1	1	24.28	24.39	24.30	25.5	0.0	
20	PI/2 BPSK	1	26	24.39	24.45	24.39			
20	PI/2 BPSK	1	49	24.19	24.32	24.26			
20	PI/2 BPSK	25	0	23.98	24.05	23.91	25.0	0.5	
20	PI/2 BPSK	25	13	24.37	24.51	24.42	25.5	0.0	
20	PI/2 BPSK	25	26	23.91	23.98	23.86	25.0	0.5	
20	PI/2 BPSK	50	0	23.95	24.04	23.91			
20	QPSK	1	1	24.40	24.51	24.33			
20	QPSK	1	26	24.41	24.53	24.38	25.5	0.0	
20	QPSK	1	49	24.32	24.41	24.32			
20	QPSK	25	0	23.37	23.46	23.35			24.5
20	QPSK	25	13	24.48	24.51	24.45	25.5	0.0	
20	QPSK	25	26	23.62	23.53	23.47	24.5	1.0	
20	QPSK	50	0	23.56	23.62	23.48			
20	16QAM	1	1	22.98	23.07	23.01	24.5	1.0	
20	64QAM	1	1	21.48	21.56	21.49	23.0	2.5	
20	256QAM	1	1	20.14	20.19	20.11	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	40	24.27	24.47	24.25	25.5	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	26	24.27	24.47	24.33	25.5	0.0	

n7_SA&NSA Ant0 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	Pl/2 BPSK	1	1	19.99	20.11	20.04	21.5	0.0	
20	Pl/2 BPSK	1	26	20.15	20.25	20.16			
20	Pl/2 BPSK	1	49	20.06	20.16	20.01			
20	Pl/2 BPSK	25	0	20.22	20.27	20.22			
20	Pl/2 BPSK	25	13	20.11	20.22	20.08	21.5	0.0	
20	Pl/2 BPSK	25	26	20.08	20.20	20.15	21.5	0.0	
20	Pl/2 BPSK	50	0	20.19	20.24	20.10			
20	QPSK	1	1	20.42	20.51	20.45			
20	QPSK	1	26	20.47	20.53	20.32			
20	QPSK	1	49	19.94	20.05	19.95	21.5	0.0	
20	QPSK	25	0	20.12	20.19	20.09			
20	QPSK	25	13	20.38	20.47	20.31			
20	QPSK	25	26	20.05	20.13	20.07			
20	QPSK	50	0	20.02	20.17	20.12	21.5	0.0	
20	16QAM	1	1	19.71	19.76	19.73	21.5	0.0	
20	64QAM	1	1	20.31	20.36	20.24	21.5	0.0	
20	256QAM	1	1	18.77	18.93	18.86	20.0	1.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	20.36	20.39	20.31	21.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	20.30	20.45	20.33	21.5	0.0	

n38_SA&NSA Ant0 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	22.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	20.86	21.04	20.91			
40	PI/2 BPSK	1	53	21.57	21.62	21.52			
40	PI/2 BPSK	1	104	20.99	21.03	21.00	22.5	0.0	
40	PI/2 BPSK	50	0	20.84	20.95	20.83			
40	PI/2 BPSK	50	28	21.46	21.47	21.48			
40	PI/2 BPSK	50	56	20.85	20.81	20.77			
40	PI/2 BPSK	100	0	20.84	21.01	20.98	22.5	0.0	
40	QPSK	1	1	21.41	21.27	21.28			
40	QPSK	1	53	21.65	21.84	21.58			
40	QPSK	1	104	20.94	21.10	20.93			
40	QPSK	50	0	21.45	21.41	21.37	22.5	0.0	
40	QPSK	50	28	21.64	21.79	21.62			
40	QPSK	50	56	21.30	21.43	21.42			
40	QPSK	100	0	21.63	21.65	21.50			
40	16QAM	1	1	21.12	21.16	21.01	22.5	0.0	
40	64QAM	1	1	20.67	20.80	20.71			
40	256QAM	1	1	19.19	19.26	19.34	21.0	1.5	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	22.5	0.0	
20	QPSK	1	26	21.94	21.83	21.86	Tune-up limit (dBm)	MPR (dB)	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	22.5	0.0	
15	QPSK	1	19	21.91	21.74	21.81	Tune-up limit (dBm)	MPR (dB)	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	22.5	0.0	
10	QPSK	1	12	21.88	21.88	21.93	Tune-up limit (dBm)	MPR (dB)	

n41_SA&NSA Ant0 PC2&3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	22.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.71	20.72	20.72			
100	PI/2 BPSK	1	137	20.83	21.00	20.78			
100	PI/2 BPSK	1	271	20.51	20.61	20.59	22.5	0.0	
100	PI/2 BPSK	135	0	21.06	20.96	20.96			
100	PI/2 BPSK	135	69	20.86	21.00	20.88			
100	PI/2 BPSK	135	138	20.89	21.02	21.08			
100	PI/2 BPSK	270	0	21.00	21.08	21.06	22.5	0.0	
100	QPSK	1	1	20.64	20.96	20.77			
100	QPSK	1	137	20.72	21.10	20.94			
100	QPSK	1	271	20.84	20.57	21.03			
100	QPSK	135	0	20.89	20.93	20.91	22.5	0.0	
100	QPSK	135	69	20.76	21.06	20.88	22.5	0.0	
100	QPSK	135	138	20.83	20.76	20.53	22.5	0.0	
100	QPSK	270	0	20.93	20.99	20.97			
100	16QAM	1	1	20.81	20.85	20.78	22.5	0.0	
100	64QAM	1	1	20.59	20.55	20.56	22.5	0.0	
100	256QAM	1	1	20.01	20.08	20.03	22.0	0.5	
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	22.5	0.0	
90	QPSK	1	123	20.91	20.93	20.71	Tune-up limit (dBm)	MPR (dB)	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	22.5	0.0	
80	QPSK	1	109	20.76	20.90	20.90	Tune-up limit (dBm)	MPR (dB)	
Channel				506200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2535	2592.99	2659.98	22.5	0.0	
60	QPSK	1	81	20.77	20.83	20.88	Tune-up limit (dBm)	MPR (dB)	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	22.5	0.0	
50	QPSK	1	67	20.90	20.91	20.79	Tune-up limit (dBm)	MPR (dB)	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	22.5	0.0	
40	QPSK	1	53	20.85	20.81	20.71	Tune-up limit (dBm)	MPR (dB)	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	22.5	0.0	
30	QPSK	1	39	20.81	20.89	20.87	Tune-up limit (dBm)	MPR (dB)	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	22.5	0.0	
20	QPSK	1	26	20.85	20.86	20.96	Tune-up limit (dBm)	MPR (dB)	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	22.5	0.0	
15	QPSK	1	19	20.89	20.98	20.91	Tune-up limit (dBm)	MPR (dB)	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	22.5	0.0	
10	QPSK	1	12	20.74	20.92	20.85	Tune-up limit (dBm)	MPR (dB)	

n66_SA&NSA Ant1 DSI2								
BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.22	23.32	23.20	24.5	0.0
40	PI/2 BPSK	1	53	23.36	23.47	23.33		
40	PI/2 BPSK	1	104	23.27	23.34	23.17		
40	PI/2 BPSK	50	0	22.99	23.11	23.05		
40	PI/2 BPSK	50	28	23.36	23.46	23.38	24.5	0.0
40	PI/2 BPSK	50	56	22.92	23.06	22.99	24.0	0.5
40	PI/2 BPSK	100	0	22.98	23.08	23.00		
40	QPSK	1	1	23.32	23.45	23.40	24.5	0.0
40	QPSK	1	53	23.36	23.49	23.41		
40	QPSK	1	104	23.14	23.26	23.21		
40	QPSK	50	0	22.33	22.53	22.39		
40	QPSK	50	28	23.39	23.44	23.43	23.5	1.0
40	QPSK	50	56	22.38	22.52	22.46	23.5	1.0
40	QPSK	100	0	22.31	22.41	22.36		
40	16QAM	1	1	22.13	22.26	22.18	23.5	1.0
40	64QAM	1	1	20.54	20.59	20.52	22.0	2.5
40	256QAM	1	1	19.08	19.16	19.01	20.0	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	23.30	23.39	23.34	24.5	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	67	23.21	23.33	23.28	24.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	26	23.19	23.32	23.27	24.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	19	23.25	23.32	23.35	24.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	12	23.27	23.43	23.29	24.5	0.0

n77_NSA Ant1 PC3 DS12									
BW [MHz]	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	23.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.43	20.53	20.41			
100	PI/2 BPSK	1	137	21.61	21.79	21.79			
100	PI/2 BPSK	1	271	20.69	20.77	20.61	23.0	0.0	
100	PI/2 BPSK	135	0	21.28	21.37	21.20			
100	PI/2 BPSK	135	69	21.54	21.60	21.46			
100	PI/2 BPSK	135	138	21.42	21.51	21.41			
100	PI/2 BPSK	270	0	21.33	21.40	21.23	23.0	0.0	
100	QPSK	1	1	20.55	20.72	20.68			
100	QPSK	1	137	21.83	21.85	21.83	23.0	0.0	
100	QPSK	1	271	20.74	20.82	20.62			
100	QPSK	135	0	21.18	21.30	21.34			
100	QPSK	135	69	21.68	21.79	21.73			
100	QPSK	135	138	21.37	21.49	21.28	23.0	0.0	
100	QPSK	270	0	21.38	21.65	21.57			
100	16QAM	1	1	20.22	20.32	20.18	23.0	0.0	
100	64QAM	1	1	20.15	20.21	20.05	23.0	0.0	
100	256QAM	1	1	19.87	19.89	19.83	21.5	1.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	20.96	21.11	21.09	23.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	20.90	21.08	21.08	23.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	95	20.86	21.02	21.05	23.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	20.95	21.08	21.08	23.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	20.92	21.10	21.08	23.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	20.87	21.09	20.99	23.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	20.88	21.13	20.98	23.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	20.92	21.04	21.05	23.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	20.87	21.06	21.06	23.0	0.0	

Par27Q n77_NSA Ant1 PC3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		20.08		23.0		0.0
100	PI/2 BPSK	1	137		21.25				
100	PI/2 BPSK	1	271		20.36				
100	PI/2 BPSK	135	0		21.02				
100	PI/2 BPSK	135	69		21.26		23.0		0.0
100	PI/2 BPSK	135	138		21.25		23.0		0.0
100	PI/2 BPSK	270	0		21.09				
100	QPSK	1	1		20.31		23.0		0.0
100	QPSK	1	137		21.45				
100	QPSK	1	271		20.42				
100	QPSK	135	0		21.01				
100	QPSK	135	69		21.34		23.0		0.0
100	QPSK	135	138		21.21		23.0		0.0
100	QPSK	270	0		21.12				
100	16QAM	1	1		19.95		23.0		0.0
100	64QAM	1	1		19.99		23.0		0.0
100	256QAM	1	1		19.04		21.5		1.5
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	21.18	21.20	21.22	23.0		0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	21.26	21.21	21.24	23.0		0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	21.21	21.22	21.16	23.0		0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	21.15	21.20	21.26	23.0		0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	21.19	21.18	21.23	23.0		0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	21.14	21.20	21.25	23.0		0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	21.20	21.21	21.20	23.0		0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	21.14	21.21	21.18	23.0		0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	21.15	21.16	21.23	23.0		0.0

n78_NSA Ant1 PC3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		20.46		23.0	0.0	
100	PI/2 BPSK	1	137		21.45				
100	PI/2 BPSK	1	271		21.18				
100	PI/2 BPSK	135	0		21.33		23.0	0.0	
100	PI/2 BPSK	135	69		21.57		23.0	0.0	
100	PI/2 BPSK	135	138		21.42		23.0	0.0	
100	PI/2 BPSK	270	0		21.35				
100	QPSK	1	1		21.61				
100	QPSK	1	137		21.65		23.0	0.0	
100	QPSK	1	271		21.31				
100	QPSK	135	0		21.38		23.0	0.0	
100	QPSK	135	69		21.53		23.0	0.0	
100	QPSK	135	138		21.45		23.0	0.0	
100	QPSK	270	0		21.34				
100	16QAM	1	1		21.33		23.0	0.0	
100	64QAM	1	1		21.36		23.0	0.0	
100	256QAM	1	1		19.86		21.5	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	23.0	0.0	
90	QPSK	1	123		21.30	21.25	21.25	23.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	23.0	0.0	
80	QPSK	1	109		21.28	21.27	21.29	23.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	23.0	0.0	
70	QPSK	1	95		21.27	21.24	21.25	23.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	23.0	0.0	
60	QPSK	1	81		21.29	21.32	21.27	23.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	23.0	0.0	
50	QPSK	1	67		21.31	21.33	21.25	23.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	23.0	0.0	
40	QPSK	1	53		21.24	21.36	21.31	23.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	23.0	0.0	
20	QPSK	1	26		21.32	21.29	21.29	23.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	23.0	0.0	
15	QPSK	1	19		21.25	21.30	21.34	23.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	23.0	0.0	
10	QPSK	1	12		21.28	21.31	21.32	23.0	

Par27Q n78_NSA Ant1 PC3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		20.56		23.0	0.0	0.0
100	PI/2 BPSK	1	137		21.13				
100	PI/2 BPSK	1	271		20.89				
100	PI/2 BPSK	135	0		21.14		23.0	0.0	0.0
100	PI/2 BPSK	135	69		21.18		23.0	0.0	0.0
100	PI/2 BPSK	135	138		21.17		23.0	0.0	0.0
100	PI/2 BPSK	270	0		21.19				
100	QPSK	1	1		20.37				
100	QPSK	1	137		21.26		23.0	0.0	0.0
100	QPSK	1	271		20.46				
100	QPSK	135	0		21.15		23.0	0.0	0.0
100	QPSK	135	69		21.25		23.0	0.0	0.0
100	QPSK	135	138		21.19		23.0	0.0	0.0
100	QPSK	270	0		21.12				
100	16QAM	1	1		19.95		23.0	0.0	0.0
100	64QAM	1	1		19.90		23.0	0.0	0.0
100	256QAM	1	1		19.10		21.5	1.5	1.5
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	23.0	0.0	
90	QPSK	1	123		21.08	21.19	21.15	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	23.0	0.0	
80	QPSK	1	109		21.10	21.20	21.13	23.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	23.0	0.0	
70	QPSK	1	95		21.11	21.18	21.11	23.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	23.0	0.0	
60	QPSK	1	81		21.18	21.17	21.10	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	23.0	0.0	
50	QPSK	1	67		21.13	21.17	21.18	23.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	23.0	0.0	
40	QPSK	1	53		21.19	21.13	21.09	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	23.0	0.0	
20	QPSK	1	26		21.17	21.16	21.13	23.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	23.0	0.0	
15	QPSK	1	19		21.15	21.11	21.19	23.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	23.0	0.0	
10	QPSK	1	12		21.19	21.11	21.14	23.0	0.0

n7_SA&NSA Ant2 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.12	23.24	23.11	24.5	0.0	
20	PI/2 BPSK	1	26	23.22	23.30	23.17			
20	PI/2 BPSK	1	49	23.14	23.28	23.16			
20	PI/2 BPSK	1	0	22.75	22.87	22.76			
20	PI/2 BPSK	25	0	22.75	22.87	22.76	24.0	0.5	
20	PI/2 BPSK	25	13	23.26	23.32	23.27	24.5	0.0	
20	PI/2 BPSK	25	26	22.70	22.84	22.77	24.0	0.5	
20	PI/2 BPSK	50	0	22.79	22.91	22.83			
20	QPSK	1	1	23.08	23.32	23.20			
20	QPSK	1	26	23.13	23.36	23.24			
20	QPSK	1	49	23.18	23.27	23.20	23.5	1.0	
20	QPSK	25	0	22.28	22.40	22.29			
20	QPSK	25	13	23.09	23.23	23.22			
20	QPSK	25	26	22.26	22.33	22.21			
20	QPSK	50	0	22.06	22.22	22.18	23.5	1.0	
20	16QAM	1	1	22.20	22.21	22.17	23.5	1.0	
20	64QAM	1	1	20.85	20.83	20.87	22.0	2.5	
20	256QAM	1	1	18.87	18.96	18.87	20.0	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	23.03	23.27	23.16	24.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	23.02	23.22	23.13	24.5	0.0	

n66_SA&NSA Ant2 DS12									
BW [MHz]	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	Tune-up limit (dBm)		
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.57	22.65	22.52	24.5	0.0	
40	PI/2 BPSK	1	53	23.18	23.27	23.22			
40	PI/2 BPSK	1	104	22.76	22.90	22.80			
40	PI/2 BPSK	50	0	22.39	22.53	22.46			
40	PI/2 BPSK	50	28	23.07	23.17	23.03	24.5	0.0	
40	PI/2 BPSK	50	56	22.33	22.47	22.32	24.0	0.5	
40	PI/2 BPSK	100	0	22.45	22.58	22.51			
40	QPSK	1	1	22.74	22.73	22.77			
40	QPSK	1	53	23.25	23.34	23.26			
40	QPSK	1	104	22.67	22.80	22.67	23.5	1.0	
40	QPSK	50	0	22.00	22.14	22.02			
40	QPSK	50	28	23.18	23.29	23.20			
40	QPSK	50	56	21.93	21.99	21.88			
40	QPSK	100	0	22.10	22.23	22.18	23.5	1.0	
40	16QAM	1	1	22.42	22.54	22.40	23.5	1.0	
40	64QAM	1	1	20.89	20.99	20.91	22.0	2.5	
40	256QAM	1	1	18.50	18.56	18.47	20.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	39	23.09	23.01	23.10	24.5	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	32	23.09	23.09	23.06	24.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	26	23.05	23.02	23.09	24.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	19	23.04	23.09	23.08	24.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	12	23.03	23.06	23.06	24.5	0.0	

n38_SA&NSA Ant2 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.08	23.21	23.12	24.5	0.0	
40	PI/2 BPSK	1	53	23.90	23.96	23.88			
40	PI/2 BPSK	1	104	23.17	23.25	23.14			
40	PI/2 BPSK	50	0	23.33	23.46	23.40			
40	PI/2 BPSK	50	28	23.90	23.99	23.92	24.5	0.0	
40	PI/2 BPSK	50	56	23.25	23.38	23.31	24.0	0.5	
40	PI/2 BPSK	100	0	23.40	23.49	23.34			
40	QPSK	1	1	23.00	23.12	22.99	24.5	0.0	
40	QPSK	1	53	23.86	24.06	23.91			
40	QPSK	1	104	22.94	23.08	22.93			
40	QPSK	50	0	22.79	22.86	22.74			
40	QPSK	50	28	23.95	24.02	23.89	24.5	0.0	
40	QPSK	50	56	22.71	22.77	22.71	23.5	1.0	
40	QPSK	100	0	22.77	22.82	22.69			
40	16QAM	1	1	21.62	21.71	21.65	23.5	1.0	
40	64QAM	1	1	20.59	20.72	20.57	22.0	2.5	
40	256QAM	1	1	19.23	19.31	19.17	20.0	4.5	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	24.5	0.0	
20	QPSK	1	26	23.13	23.34	23.27	24.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	24.5	0.0	
15	QPSK	1	19	23.16	23.35	23.25	24.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	24.5	0.0	
10	QPSK	1	12	23.17	23.35	23.19	24.5	0.0	

n41_SA&NSA Ant2 PC3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.73	22.72	22.70	24.5		0.0
100	PI/2 BPSK	1	137	23.18	23.12	23.16			
100	PI/2 BPSK	1	271	23.10	23.05	23.00			
100	PI/2 BPSK	135	0	23.10	23.08	23.08			
100	PI/2 BPSK	135	69	23.07	23.13	23.12	24.5		0.0
100	PI/2 BPSK	135	138	23.23	23.17	23.24	24.5		0.0
100	PI/2 BPSK	270	0	23.25	23.19	23.25			
100	QPSK	1	1	23.01	22.99	23.06	24.5		0.0
100	QPSK	1	137	23.34	23.43	23.36			
100	QPSK	1	271	23.06	23.01	23.02			
100	QPSK	135	0	23.11	23.26	23.17			
100	QPSK	135	69	23.21	23.27	22.93	24.5		0.0
100	QPSK	135	138	23.26	23.24	23.23	24.5		0.0
100	QPSK	270	0	23.21	23.26	23.08			
100	16QAM	1	1	22.75	22.76	22.76	24.5		0.0
100	64QAM	1	1	22.69	22.73	22.75	24.5		0.0
100	256QAM	1	1	22.31	22.24	22.20	23.0		1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	24.5	0.0	
90	QPSK	1	123	23.10	23.23	23.08	24.5		0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	24.5	0.0	
80	QPSK	1	109	23.13	23.17	23.18	24.5		0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.99	24.5	0.0	
60	QPSK	1	81	23.31	23.36	23.34	24.5		0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	24.5	0.0	
50	QPSK	1	67	23.37	23.33	23.36	24.5		0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	24.5	0.0	
40	QPSK	1	53	23.34	23.33	23.34	24.5		0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	24.5	0.0	
30	QPSK	1	39	23.32	23.37	23.31	24.5		0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	24.5	0.0	
20	QPSK	1	26	23.36	23.33	23.36	24.5		0.0
Channel				500700	518598	536996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	24.5	0.0	
15	QPSK	1	19	23.37	23.28	23.34	24.5		0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	24.5	0.0	
10	QPSK	1	12	23.37	23.36	23.37	24.5		0.0

Part270 n77_SA&NSA Ant3 PC3 DSI2									
BW [MHz]	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	24.5	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.37	22.48	22.32			
100	PI/2 BPSK	1	137	23.48	23.64	23.50	24.5	0.0	
100	PI/2 BPSK	1	271	22.55	22.63	22.57			
100	PI/2 BPSK	135	0	23.26	23.41	23.34			
100	PI/2 BPSK	135	69	23.43	23.59	23.47	24.5	0.0	
100	PI/2 BPSK	135	138	23.33	23.48	23.38			
100	PI/2 BPSK	270	0	23.38	23.47	23.36			
100	QPSK	1	1	22.34	22.62	22.45	24.5	0.0	
100	QPSK	1	137	22.53	23.66	23.59			
100	QPSK	1	271	22.49	22.60	22.44			
100	QPSK	135	0	23.33	23.39	23.27	24.5	0.0	
100	QPSK	135	69	23.46	23.61	23.56			
100	QPSK	135	138	23.34	23.43	23.47			
100	QPSK	270	0	23.35	23.48	23.39	24.5	0.0	
100	16QAM	1	1	23.53	23.52	23.58			
100	64QAM	1	1	23.64	23.61	23.55		0.0	
100	256QAM	1	1	21.72	21.76	21.78	23.0	1.5	
Channel				649668	656000	662334	24.5	0.0	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	23.21	23.50	23.33		0.0	
Channel				649334	656000	662668	24.5	0.0	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	23.19	23.52	23.34		0.0	
Channel				649000	656000	663000	24.5	0.0	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	95	23.28	23.50	23.30		0.0	
Channel				648668	656000	663334	24.5	0.0	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	23.17	23.49	23.34		0.0	
Channel				648334	656000	663668	24.5	0.0	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	23.27	23.55	23.30		0.0	
Channel				648000	656000	664000	24.5	0.0	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	23.22	23.50	23.31		0.0	
Channel				647334	656000	664668	24.5	0.0	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	23.28	23.54	23.35		0.0	
Channel				647168	656000	664834	24.5	0.0	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	23.24	23.49	23.37		0.0	
Channel				647000	656000	665000	24.5	0.0	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	23.17	23.47	23.40		0.0	

Par27Q n77_NSA Ant3 PC3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		24.5	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		22.18				
100	PI/2 BPSK	1	137		23.11		24.5	0.0	
100	PI/2 BPSK	1	271		22.16				
100	PI/2 BPSK	135	0		23.00			0.0	
100	PI/2 BPSK	135	69		23.09		24.5	0.0	
100	PI/2 BPSK	135	138		23.04				
100	PI/2 BPSK	270	0		23.01			0.0	
100	QPSK	1	1		22.17		24.5	0.0	
100	QPSK	1	137		23.42				
100	QPSK	1	271		22.10			0.0	
100	QPSK	135	0		22.95		24.5	0.0	
100	QPSK	135	69		23.19				
100	QPSK	135	138		22.98			0.0	
100	QPSK	270	0		23.04		24.5	0.0	
100	16QAM	1	1		23.12				
100	64QAM	1	1		23.12			0.0	
100	256QAM	1	1		21.77		23.0	1.5	
Channel				633000	633334	633666	24.5	0.0	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	23.20	23.09	23.13		0.0	
Channel				632668	633334	634000	24.5	0.0	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	23.19	23.15	23.18		0.0	
Channel				632334	633334	634332	24.5	0.0	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	23.12	23.16	23.14		0.0	
Channel				632000	633334	634666	24.5	0.0	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	23.20	23.19	23.19		0.0	
Channel				631668	633334	635000	24.5	0.0	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	23.09	23.15	23.19		0.0	
Channel				631334	633334	635332	24.5	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	23.16	23.08	23.14		0.0	
Channel				630668	633334	636000	24.5	0.0	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	23.18	23.16	23.15		0.0	
Channel				630500	633334	636166	24.5	0.0	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	23.15	23.15	23.13		0.0	
Channel				630334	633334	636332	24.5	0.0	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	23.14	23.16	23.12		0.0	

Part270 n77_SA&NSA Ant3 PC2 DSI2									
BW [MHz]	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	27.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	25.27	25.36	25.34			
100	PI/2 BPSK	1	137	26.13	26.23	26.10	26.5	0.5	
100	PI/2 BPSK	1	271	25.18	25.32	25.22			
100	PI/2 BPSK	135	0	26.04	26.08	26.03			
100	PI/2 BPSK	135	69	26.22	26.28	26.24	27.0	0.0	
100	PI/2 BPSK	135	138	25.99	26.13	26.02	26.5	0.5	
100	PI/2 BPSK	270	0	25.98	26.07	26.00			
100	QPSK	1	1	25.38	25.51	25.46			
100	QPSK	1	137	26.33	26.57	26.36	27.0	0.0	
100	QPSK	1	271	25.22	25.28	25.18	26.0	1.0	
100	QPSK	135	0	25.46	25.54	25.42			
100	QPSK	135	69	26.29	26.32	26.27	27.0	0.0	
100	QPSK	135	138	25.46	25.55	25.62	26.0	1.0	
100	QPSK	270	0	25.36	25.62	25.54			
100	16QAM	1	1	25.73	25.78	25.70	26.0	1.0	
100	64QAM	1	1	23.71	23.74	23.72	24.5	2.5	
100	256QAM	1	1	21.72	21.86	21.80	22.5	4.5	
Channel				649668	656000	662334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	123	26.18	26.28	26.27	27.0	0.0	
Channel				649334	656000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	109	26.21	26.28	26.26	27.0	0.0	
Channel				649000	656000	663000	Tune-up limit	MPR	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	95	26.19	26.27	26.30	27.0	0.0	
Channel				648668	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	81	26.18	26.25	26.21	27.0	0.0	
Channel				648334	656000	663668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	67	26.15	26.25	26.26	27.0	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	53	26.23	26.28	26.29	27.0	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	26	26.14	26.28	26.29	27.0	0.0	
Channel				647168	656000	664834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	19	26.16	26.33	26.25	27.0	0.0	
Channel				647000	656000	665000	Tune-up limit	MPR	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	12	26.16	26.29	26.22	27.0	0.0	

Par27Q n77_NSA Ant3 PC2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		27.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1	25.11					
100	PI/2 BPSK	1	137	25.53		26.5	0.5		
100	PI/2 BPSK	1	271	25.12					
100	PI/2 BPSK	135	0	25.46					
100	PI/2 BPSK	135	69	26.16		27.0	0.0		
100	PI/2 BPSK	135	138	25.52		26.5	0.5		
100	PI/2 BPSK	270	0	25.47					
100	QPSK	1	1	25.03					
100	QPSK	1	137	26.33		27.0	0.0		
100	QPSK	1	271	25.15		26.0	1.0		
100	QPSK	135	0	24.84					
100	QPSK	135	69	26.20		27.0	0.0		
100	QPSK	135	138	24.91		26.0	1.0		
100	QPSK	270	0	24.86					
100	16QAM	1	1	24.75		26.0	1.0		
100	64QAM	1	1	23.78		24.5	2.5		
100	256QAM	1	1	21.83		22.5	4.5		
Channel				633000	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)	
90	QPSK	1	123	26.02	26.08	26.11	27.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	26.11	26.04	26.10	27.0	0.0	
Channel				632334	633334	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)	
70	QPSK	1	95	26.04	26.03	26.05	27.0	0.0	
Channel				632000	633334	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)	
60	QPSK	1	81	26.07	26.11	26.10	27.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	26.02	26.11	26.12	27.0	0.0	
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	QPSK	1	53	26.10	26.02	26.13	27.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	26.12	26.11	26.05	27.0	0.0	
Channel				630500	633334	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	QPSK	1	19	26.11	26.12	26.09	27.0	0.0	
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	12	26.12	26.09	26.04	27.0	0.0	

Part27O n78_SA&NSA Ant3 PC3 DSI2									
BW [MHz]	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			24.5	0.0	
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	22.46			24.5	0.0	
100	PI/2 BPSK	1	137	23.46					
100	PI/2 BPSK	1	271	22.87					
100	PI/2 BPSK	135	0	23.36			24.5	0.0	
100	PI/2 BPSK	135	69	23.61			24.5	0.0	
100	PI/2 BPSK	135	138	23.51			24.5	0.0	
100	PI/2 BPSK	270	0	23.45			24.5	0.0	
100	QPSK	1	1	22.47			24.5	0.0	
100	QPSK	1	137	23.63					
100	QPSK	1	271	22.84					
100	QPSK	135	0	23.31			24.5	0.0	
100	QPSK	135	69	23.62			24.5	0.0	
100	QPSK	135	138	23.44			24.5	0.0	
100	QPSK	270	0	23.48			24.5	0.0	
100	16QAM	1	1	22.19			24.5	0.0	
100	64QAM	1	1	22.28			24.5	0.0	
100	256QAM	1	1	21.32			23.0	1.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123	23.46	23.37	23.35	24.5	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109	23.37	23.34	23.41	24.5	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95	23.44	23.41	23.46	24.5	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81	23.38	23.36	23.41	24.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67	23.39	23.38	23.40	24.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	23.35	23.39	23.42	24.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	23.40	23.44	23.40	24.5	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	23.35	23.40	23.42	24.5	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	23.34	23.43	23.35	24.5	0.0	

Par27Q n78_NSA Ant3 PC3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		22.43		24.5		0.0
100	PI/2 BPSK	1	137		23.32				
100	PI/2 BPSK	1	271		22.49				
100	PI/2 BPSK	135	0		23.32		24.5		0.0
100	PI/2 BPSK	135	69		23.36		24.5		0.0
100	PI/2 BPSK	135	138		23.23		24.5		0.0
100	PI/2 BPSK	270	0		23.33				
100	QPSK	1	1		22.47		24.5		0.0
100	QPSK	1	137		23.38				
100	QPSK	1	271		22.52				
100	QPSK	135	0		23.32		24.5		0.0
100	QPSK	135	69		23.33		24.5		0.0
100	QPSK	135	138		23.29		24.5		0.0
100	QPSK	270	0		23.27		24.5		0.0
100	16QAM	1	1		22.29		24.5		0.0
100	64QAM	1	1		22.27		24.5		0.0
100	256QAM	1	1		21.39		23.0		1.5
Channel				633000	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)	
90	QPSK	1	123	23.32	23.24	23.32	24.5	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	23.29	23.25	23.28	24.5	0.0	
Channel				632334	633334	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)	
70	QPSK	1	95	23.24	23.24	23.23	24.5	0.0	
Channel				632000	633334	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)	
60	QPSK	1	81	23.26	23.24	23.23	24.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	23.30	23.31	23.30	24.5	0.0	
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	QPSK	1	53	23.23	23.30	23.32	24.5	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	23.27	23.30	23.29	24.5	0.0	
Channel				630500	633334	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	QPSK	1	19	23.25	23.33	23.23	24.5	0.0	
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	12	23.31	23.24	23.27	24.5	0.0	

Part27O n78_SA&NSA Ant3 PC2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 / Edge	Power Middle Ch. 1 / Edge	Power High Ch. 1 / Edge	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		25.32		27.0	0.0	
100	PI/2 BPSK	1	137		26.38				
100	PI/2 BPSK	1	271		25.83				
100	PI/2 BPSK	135	0		25.75		26.5	0.5	
100	PI/2 BPSK	135	69		26.43		27.0	0.0	
100	PI/2 BPSK	135	138		25.93		26.5	0.5	
100	PI/2 BPSK	270	0		25.85				
100	QPSK	1	1		25.32		27.0	0.0	
100	QPSK	1	137		26.49				
100	QPSK	1	271		25.46				
100	QPSK	135	0		25.44		26.0	1.0	
100	QPSK	135	69		26.47		27.0	0.0	
100	QPSK	135	138		25.61		26.0	1.0	
100	QPSK	270	0		25.29				
100	16QAM	1	1		24.18		26.0	1.0	
100	64QAM	1	1		22.73		24.5	2.5	
100	256QAM	1	1		21.34		22.5	4.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123		26.38	26.34	26.28	27.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109		26.35	26.33	26.36	27.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95		26.33	26.38	26.36	27.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81		26.34	26.28	26.35	27.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67		26.37	26.32	26.35	27.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53		26.28	26.31	26.32	27.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26		26.34	26.28	26.37	27.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19		26.33	26.37	26.36	27.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12		26.36	26.37	26.36	27.0	0.0

Par27Q n78_NSA Ant3 PC2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 / Edge	Power Middle Ch. 1 / Edge	Power High Ch. 1 / Edge	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		25.41		27.0	0.0	
100	PI/2 BPSK	1	137		26.18				
100	PI/2 BPSK	1	271		25.48				
100	PI/2 BPSK	135	0		25.72		26.5	0.5	
100	PI/2 BPSK	135	69		26.23		27.0	0.0	
100	PI/2 BPSK	135	138		25.76		26.5	0.5	
100	PI/2 BPSK	270	0		25.74				
100	QPSK	1	1		25.39		27.0	0.0	
100	QPSK	1	137		26.28				
100	QPSK	1	271		25.10				
100	QPSK	135	0		25.28		26.0	1.0	
100	QPSK	135	69		26.12		27.0	0.0	
100	QPSK	135	138		25.26		26.0	1.0	
100	QPSK	270	0		25.29				
100	16QAM	1	1		24.09		26.0	1.0	
100	64QAM	1	1		22.63		24.5	2.5	
100	256QAM	1	1		21.19		22.5	4.5	
Channel				633000	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)	
90	QPSK	1	123		26.19	26.18	26.23	27.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109		26.23	26.22	26.17	27.0	0.0
Channel				632334	633334	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)	
70	QPSK	1	95		26.18	26.17	26.15	27.0	0.0
Channel				632000	633334	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)	
60	QPSK	1	81		26.17	26.24	26.20	27.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		26.20	26.25	26.21	27.0	0.0
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	QPSK	1	53		26.18	26.16	26.23	27.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26		26.23	26.18	26.25	27.0	0.0
Channel				630500	633334	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	QPSK	1	19		26.23	26.20	26.19	27.0	0.0
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	12		26.22	26.17	26.20	27.0	0.0

n5_SA&NSA Ant4 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166500	167000	167500			
Frequency (MHz)				834	836.5	839			
20	Pi/2 BPSK	1	1	23.57	23.71	23.60	24.5	0.0	
20	Pi/2 BPSK	1	26	23.67	23.77	23.72			
20	Pi/2 BPSK	1	49	23.52	23.66	23.52			
20	Pi/2 BPSK	25	0	23.37	23.49	23.38	24.0	0.5	
20	Pi/2 BPSK	25	13	23.79	23.86	23.74	24.5	0.0	
20	Pi/2 BPSK	25	26	23.27	23.33	23.19	24.0	0.5	
20	Pi/2 BPSK	50	0	23.36	23.43	23.30			
20	QPSK	1	1	23.82	23.93	23.85	24.5	0.0	
20	QPSK	1	26	23.83	23.96	23.87			
20	QPSK	1	49	23.56	23.69	23.54			
20	QPSK	25	0	22.82	22.96	22.85	23.5	1.0	
20	QPSK	25	13	23.69	23.92	23.86	24.5	0.0	
20	QPSK	25	26	22.69	22.85	22.78	23.5	1.0	
20	QPSK	50	0	22.97	23.04	22.93			
20	16QAM	1	1	22.26	22.38	22.21	23.5	1.0	
20	64QAM	1	1	20.67	20.94	20.80	22.0	2.5	
20	256QAM	1	1	19.41	19.44	19.42	20.0	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	19	23.71	23.83	23.72	24.5	0.0	
Channel				165500	167000	168500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	12	23.76	23.90	23.78	24.5	0.0	

n7_SA&NSA Ant4 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2610	2635	2660			
20	Pi/2 BPSK	1	1	22.68	22.82	22.71	23.5	0.0	
20	Pi/2 BPSK	1	26	22.72	22.81	22.68			
20	Pi/2 BPSK	1	49	22.63	22.74	22.67			
20	Pi/2 BPSK	25	0	22.15	22.29	22.15	23.0	0.5	
20	Pi/2 BPSK	25	13	22.63	22.73	22.60	23.5	0.0	
20	Pi/2 BPSK	25	26	22.11	22.22	22.14	23.0	0.5	
20	Pi/2 BPSK	50	0	22.03	22.18	22.06			
20	QPSK	1	1	22.94	23.02	22.99	23.5	0.0	
20	QPSK	1	26	23.02	23.06	22.93			
20	QPSK	1	49	22.44	22.58	22.48			
20	QPSK	25	0	21.59	21.72	21.61	22.5	1.0	
20	QPSK	25	13	22.98	23.02	22.92	23.5	0.0	
20	QPSK	25	26	21.82	21.64	21.73	22.5	1.0	
20	QPSK	50	0	21.98	22.09	22.04			
20	16QAM	1	1	21.22	21.28	21.20	22.5	1.0	
20	64QAM	1	1	19.76	19.81	19.70	21.0	2.5	
20	256QAM	1	1	18.29	18.35	18.22	19.0	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2607.5	2635	2662.5			
15	QPSK	1	19	22.74	22.90	22.80	23.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2605	2635	2665			
10	QPSK	1	12	22.72	22.88	22.77	23.5	0.0	

n66_SA&NSA Ant4 DS12									
BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	Pi/2 BPSK	1	1	22.42	22.57	22.48	23.5	0.0	
40	Pi/2 BPSK	1	53	22.99	23.07	22.94			
40	Pi/2 BPSK	1	104	22.71	22.81	22.73			
40	Pi/2 BPSK	50	0	22.19	22.34	22.24	23.0	0.5	
40	Pi/2 BPSK	50	26	22.95	23.09	22.96	23.5	0.0	
40	Pi/2 BPSK	50	56	22.24	22.32	22.21	23.0	0.5	
40	Pi/2 BPSK	100	0	22.27	22.41	22.34			
40	QPSK	1	1	22.44	22.59	22.47	23.5	0.0	
40	QPSK	1	53	22.94	23.14	22.99			
40	QPSK	1	104	22.53	22.66	22.56			
40	QPSK	50	0	22.22	22.30	22.18	22.5	1.0	
40	QPSK	50	26	23.07	23.10	23.09	23.5	0.0	
40	QPSK	50	56	22.17	22.23	22.11	22.5	1.0	
40	QPSK	100	0	22.08	22.09	22.02			
40	16QAM	1	1	21.33	21.46	21.38	22.5	1.0	
40	64QAM	1	1	19.96	19.97	19.88	21.0	2.5	
40	256QAM	1	1	18.45	18.51	18.40	19.0	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	39	23.11	23.21	23.13	23.5	0.0	
Channel				341000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	32	23.09	23.23	23.16	23.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722	1745	1770			
20	QPSK	1	26	23.12	23.20	23.19	23.5	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	19	23.17	23.17	23.15	23.5	0.0	
Channel				341000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	12	23.19	23.22	23.19	23.5	0.0	

n38_SA&NSA Ant4 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	22.55	22.68	22.60	24.5	0.0	
40	PI/2 BPSK	1	53	23.37	23.52	23.44			
40	PI/2 BPSK	1	104	23.10	23.19	23.12			
40	PI/2 BPSK	50	0	22.72	22.78	22.65			
40	PI/2 BPSK	50	28	23.21	23.34	23.25	24.5	0.0	
40	PI/2 BPSK	50	56	22.53	22.66	22.59	24.0	0.5	
40	PI/2 BPSK	100	0	22.57	22.53	22.56			
40	QPSK	1	1	22.73	22.81	22.77			
40	QPSK	1	53	23.54	23.66	23.52			
40	QPSK	1	104	22.91	23.04	22.91	23.5	1.0	
40	QPSK	50	0	22.66	22.76	22.67			
40	QPSK	50	28	23.25	23.35	23.28			
40	QPSK	50	56	22.49	22.61	22.53			
40	QPSK	100	0	22.18	22.34	22.26	23.5	1.0	
40	16QAM	1	1	22.17	22.28	22.22	23.5	1.0	
40	64QAM	1	1	20.72	20.81	20.69	22.0	2.5	
40	256QAM	1	1	18.29	18.42	18.29	20.0	4.5	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	24.5	0.0	
20	QPSK	1	26	23.01	23.61	23.57	24.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	24.5	0.0	
15	QPSK	1	19	23.60	23.59	23.62	24.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	24.5	0.0	
10	QPSK	1	12	23.62	23.56	23.64	24.5	0.0	

n41_SA&NSA Ant4 PC3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	22.49	22.56	22.47	24.5		0.0
100	PI/2 BPSK	1	137	23.19	23.32	23.20			
100	PI/2 BPSK	1	271	22.74	22.83	22.71			
100	PI/2 BPSK	135	0	23.16	23.24	23.10			
100	PI/2 BPSK	135	69	23.27	23.41	23.36	24.5		0.0
100	PI/2 BPSK	135	138	23.31	23.43	23.32	24.5		0.0
100	PI/2 BPSK	270	0	23.23	23.33	23.26			
100	QPSK	1	1	22.41	22.53	22.48			
100	QPSK	1	137	23.23	23.46	23.21			
100	QPSK	1	271	22.45	22.56	22.47	24.5		0.0
100	QPSK	135	0	23.08	23.18	23.04	23.5		1.0
100	QPSK	135	69	23.36	23.42	23.41	24.5		0.0
100	QPSK	135	138	23.40	23.39	23.34	23.5		1.0
100	QPSK	270	0	23.26	23.41	23.32	24.5		0.0
100	16QAM	1	1	22.88	22.97	22.92			
100	64QAM	1	1	21.90	21.96	21.84			
100	256QAM	1	1	20.96	21.06	20.93			
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	24.5	0.0	
90	QPSK	1	123	23.34	23.36	23.35	24.5		0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	24.5	0.0	
80	QPSK	1	109	23.35	23.45	23.40	24.5		0.0
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	24.5	0.0	
60	QPSK	1	81	23.26	23.43	23.34	24.5		0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	24.5	0.0	
50	QPSK	1	67	23.28	23.36	23.41	24.5		0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	24.5	0.0	
40	QPSK	1	53	23.30	23.38	23.34	24.5		0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	24.5	0.0	
30	QPSK	1	39	23.26	23.37	23.42	24.5		0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	24.5	0.0	
20	QPSK	1	26	23.29	23.37	23.38	24.5		0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	24.5	0.0	
15	QPSK	1	19	23.32	23.43	23.39	24.5		0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	24.5	0.0	
10	QPSK	1	12	23.31	23.39	23.43	24.5		0.0

Part270 n77_NSA Ant5 PC3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	22.52	22.64	22.48			
100	PI/2 BPSK	1	137	23.60	23.75	23.63	24.5	0.0	
100	PI/2 BPSK	1	271	22.71	22.84	22.69			
100	PI/2 BPSK	135	0	23.62	23.69	23.56			
100	PI/2 BPSK	135	69	23.72	23.89	23.80	24.5	0.0	
100	PI/2 BPSK	135	138	23.53	23.66	23.56	24.5	0.0	
100	PI/2 BPSK	270	0	23.53	23.67	23.58			
100	QPSK	1	1	22.62	22.71	22.64	24.5	0.0	
100	QPSK	1	137	23.82	23.98	23.84			
100	QPSK	1	271	22.73	22.89	22.78			
100	QPSK	135	0	23.57	23.65	23.51			
100	QPSK	135	69	23.79	23.94	23.82	24.5	0.0	
100	QPSK	135	138	23.59	23.73	23.56	24.5	0.0	
100	QPSK	270	0	23.52	23.67	23.52			
100	16QAM	1	1	23.81	23.79	23.82	24.5	0.0	
100	64QAM	1	1	23.86	23.78	23.73	24.5	0.0	
100	256QAM	1	1	22.12	22.14	22.17	23.0	1.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	24.5	0.0	
90	QPSK	1	123	22.81	22.93	22.87	24.5	0.0	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	23.01	23.11	23.00	24.5	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	24.5	0.0	
70	QPSK	1	95	22.98	23.15	23.01	24.5	0.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	23.04	23.09	23.02	24.5	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	24.5	0.0	
50	QPSK	1	67	23.00	23.15	23.06	24.5	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	23.04	23.11	23.06	24.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	24.5	0.0	
20	QPSK	1	26	23.04	23.12	23.00	24.5	0.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	23.04	23.08	23.01	24.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	24.5	0.0	
10	QPSK	1	12	22.98	23.06	23.01	24.5	0.0	

Par27Q n77_NSA Ant5 PC3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		22.51		24.5		0.0
100	PI/2 BPSK	1	137		23.49				
100	PI/2 BPSK	1	271		22.58				
100	PI/2 BPSK	135	0		23.33				
100	PI/2 BPSK	135	69		23.60		24.5		0.0
100	PI/2 BPSK	135	138		23.45		24.5		0.0
100	PI/2 BPSK	270	0		23.43				
100	QPSK	1	1		22.56		24.5		0.0
100	QPSK	1	137		23.91				
100	QPSK	1	271		22.59				
100	QPSK	135	0		23.39				
100	QPSK	135	69		23.81		24.5		0.0
100	QPSK	135	138		23.44		24.5		0.0
100	QPSK	270	0		23.85				
100	16QAM	1	1		23.30		24.5		0.0
100	64QAM	1	1		23.36		24.5		0.0
100	256QAM	1	1		22.33		23.0		1.5
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	24.5	0.0	
90	QPSK	1	123	23.26	23.29	23.29	24.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	24.5	0.0	
80	QPSK	1	109	23.27	23.22	23.24	24.5	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	24.5	0.0	
70	QPSK	1	95	23.44	23.40	23.38	24.5	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	24.5	0.0	
60	QPSK	1	81	23.41	23.44	23.43	24.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	24.5	0.0	
50	QPSK	1	67	23.50	23.43	23.46	24.5	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	24.5	0.0	
40	QPSK	1	53	23.33	23.29	23.27	24.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	24.5	0.0	
20	QPSK	1	26	23.28	23.24	23.32	24.5	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	24.5	0.0	
15	QPSK	1	19	23.44	23.47	23.43	24.5	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	24.5	0.0	
10	QPSK	1	12	23.42	23.41	23.44	24.5	0.0	

Part270 n77_NSA Ant5 PC2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	25.99	26.05	25.91			
100	PI/2 BPSK	1	137	26.61	26.54	26.59	27.0	0.0	
100	PI/2 BPSK	1	271	25.90	25.96	25.82			
100	PI/2 BPSK	135	0	26.45	26.58	26.51			
100	PI/2 BPSK	135	69	26.61	26.59	26.53	27.0	0.0	
100	PI/2 BPSK	135	138	26.56	26.64	26.60	26.5	0.5	
100	PI/2 BPSK	270	0	26.40	26.54	26.42			
100	QPSK	1	1	25.92	25.97	25.88	27.0	0.0	
100	QPSK	1	137	26.61	26.66	26.54			
100	QPSK	1	271	25.54	25.68	25.60			
100	QPSK	135	0	25.89	25.98	25.87			
100	QPSK	135	69	26.54	26.56	26.54	27.0	0.0	
100	QPSK	135	138	25.96	25.96	25.98	26.0	1.0	
100	QPSK	270	0	25.94	25.99	25.93			
100	16QAM	1	1	24.65	24.77	24.62	26.0	1.0	
100	64QAM	1	1	23.21	23.27	23.19	24.5	2.5	
100	256QAM	1	1	21.72	21.80	21.74	22.5	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	27.0	0.0	
90	QPSK	1	123	25.99	26.10	25.95	Tune-up limit (dBm)	MPR (dB)	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	27.0	0.0	
80	QPSK	1	109	26.03	26.03	25.97	Tune-up limit (dBm)	MPR (dB)	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	27.0	0.0	
70	QPSK	1	95	26.04	26.02	25.93	Tune-up limit (dBm)	MPR (dB)	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	27.0	0.0	
60	QPSK	1	81	25.97	26.08	25.94	Tune-up limit (dBm)	MPR (dB)	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	27.0	0.0	
50	QPSK	1	67	26.04	26.11	25.86	Tune-up limit (dBm)	MPR (dB)	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	27.0	0.0	
40	QPSK	1	53	26.04	26.09	25.86	Tune-up limit (dBm)	MPR (dB)	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	27.0	0.0	
20	QPSK	1	26	25.97	26.11	25.88	Tune-up limit (dBm)	MPR (dB)	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	27.0	0.0	
15	QPSK	1	19	26.03	26.04	25.96	Tune-up limit (dBm)	MPR (dB)	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	27.0	0.0	
10	QPSK	1	12	26.02	26.11	25.94	Tune-up limit (dBm)	MPR (dB)	

Par27Q n77_NSA Ant5 PC2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	25.97			27.0	0.0	
100	PI/2 BPSK	1	137	26.35					
100	PI/2 BPSK	1	271	26.02					
100	PI/2 BPSK	135	0	26.26					
100	PI/2 BPSK	135	69	26.02			26.5	0.5	
100	PI/2 BPSK	135	138	26.38			27.0	0.0	
100	PI/2 BPSK	270	0	26.33			26.5	0.5	
100	QPSK	1	1	25.93			27.0	0.0	
100	QPSK	1	137	26.39					
100	QPSK	1	271	25.96					
100	QPSK	135	0	25.77					
100	QPSK	135	69	26.08			26.0	1.0	
100	QPSK	135	138	25.80			27.0	0.0	
100	QPSK	270	0	25.71			26.0	1.0	
100	16QAM	1	1	24.72			26.0	1.0	
100	64QAM	1	1	23.18			24.5	2.5	
100	256QAM	1	1	21.98			22.5	4.5	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	27.0	0.0	
90	QPSK	1	123	25.90	25.98	25.93	Tune-up limit (dBm)	MPR (dB)	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	27.0	0.0	
80	QPSK	1	109	25.92	26.00	25.94	Tune-up limit (dBm)	MPR (dB)	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	27.0	0.0	
70	QPSK	1	95	25.97	26.04	25.88	Tune-up limit (dBm)	MPR (dB)	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	27.0	0.0	
60	QPSK	1	81	25.91	25.93	25.97	Tune-up limit (dBm)	MPR (dB)	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	27.0	0.0	
50	QPSK	1	67	25.90	26.02	25.97	Tune-up limit (dBm)	MPR (dB)	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	27.0	0.0	
40	QPSK	1	53	25.90	26.02	25.87	Tune-up limit (dBm)	MPR (dB)	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	27.0	0.0	
20	QPSK	1	26	25.88	26.04	25.90	Tune-up limit (dBm)	MPR (dB)	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	27.0	0.0	
15	QPSK	1	19	25.93	26.00	25.92	Tune-up limit (dBm)	MPR (dB)	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	27.0	0.0	
10	QPSK	1	12	25.96	26.01	25.90	Tune-up limit (dBm)	MPR (dB)	

Part270 n78_NSA Ant5 PC3 DSI2									
BW [MHz]	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	PI/2 BPSK	1	1		22.97		24.5	0.0	
100	PI/2 BPSK	1	137		23.74				
100	PI/2 BPSK	1	271		23.05				
100	PI/2 BPSK	135	0		23.85				
100	PI/2 BPSK	135	69		23.85		24.5	0.0	
100	PI/2 BPSK	135	138		23.83		24.5	0.0	
100	PI/2 BPSK	270	0		23.81				
100	QPSK	1	1		22.90		24.5	0.0	
100	QPSK	1	137		23.89				
100	QPSK	1	271		23.33				
100	QPSK	135	0		23.79				
100	QPSK	135	69		23.67		24.5	0.0	
100	QPSK	135	138		23.83		24.5	0.0	
100	QPSK	270	0		23.86				
100	16QAM	1	1		22.66		24.5	0.0	
100	64QAM	1	1		22.75		24.5	0.0	
100	256QAM	1	1		21.80		23.0	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		23.10	23.25	23.22	24.5	
Channel				646334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		23.20	23.16	23.18	24.5	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95		23.23	23.21	23.21	24.5	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		23.10	23.25	23.21	24.5	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		23.10	23.24	23.18	24.5	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53		23.26	23.19	23.24	24.5	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		23.18	23.21	23.22	24.5	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3750	3792.51			
15	QPSK	1	19		23.26	23.19	23.19	24.5	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		23.16	23.19	23.25	24.5	

Par27Q n78_NSA Ant5 PC3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		22.76		24.5	0.0	
100	PI/2 BPSK	1	137		23.72				
100	PI/2 BPSK	1	271		22.78				
100	PI/2 BPSK	135	0		23.53				
100	PI/2 BPSK	135	69		23.74		24.5	0.0	
100	PI/2 BPSK	135	138		23.56		24.5	0.0	
100	PI/2 BPSK	270	0		23.59				
100	QPSK	1	1		22.71		24.5	0.0	
100	QPSK	1	137		23.78				
100	QPSK	1	271		22.86				
100	QPSK	135	0		23.58				
100	QPSK	135	69		23.72		24.5	0.0	
100	QPSK	135	138		23.55		24.5	0.0	
100	QPSK	270	0		23.54				
100	16QAM	1	1		22.52		24.5	0.0	
100	64QAM	1	1		22.54		24.5	0.0	
100	256QAM	1	1		21.64		23.0	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123		23.01	22.98	23.00	24.5	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		23.00	22.97	22.99	24.5	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95		23.02	22.93	23.02	24.5	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3513.99			
60	QPSK	1	81		23.04	22.96	22.93	24.5	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		22.99	23.03	23.02	24.5	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3523.98			
40	QPSK	1	53		22.95	23.02	22.99	24.5	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		23.04	22.98	23.01	24.5	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19		23.01	22.93	23.01	24.5	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12		23.00	23.01	22.96	24.5	

Part270 n78_NSA Ant5 PC2 DSI2									
BW [MHz]	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	PI/2 BPSK	1	1		25.53				
100	PI/2 BPSK	1	137		26.55		27.0	0.0	
100	PI/2 BPSK	1	271		25.78				
100	PI/2 BPSK	135	0		26.03		26.5	0.5	
100	PI/2 BPSK	135	69		26.53		27.0	0.0	
100	PI/2 BPSK	135	138		26.20		26.5	0.5	
100	PI/2 BPSK	270	0		26.11				
100	QPSK	1	1		25.51				
100	QPSK	1	137		26.57		27.0	0.0	
100	QPSK	1	271		25.73				
100	QPSK	135	0		25.49		26.0	1.0	
100	QPSK	135	69		26.50		27.0	0.0	
100	QPSK	135	138		25.58		26.0	1.0	
100	QPSK	270	0		25.53				
100	16QAM	1	1		24.25		26.0	1.0	
100	64QAM	1	1		22.77		24.5	2.5	
100	256QAM	1	1		21.38		22.5	4.5	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		26.10	26.24	27.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		26.25	26.27	27.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95		26.21	26.18	26.24	0.0	
Channel				648688	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		26.20	26.27	26.22	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		26.27	26.20	26.22	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53		26.20	26.21	26.24	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		26.27	26.19	26.25	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3750	3792.51			
15	QPSK	1	19		26.26	26.19	26.28	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		26.21	26.24	26.29	0.0	

Par27Q n78_NSA Ant5 PC2 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		25.33				
100	PI/2 BPSK	1	137		26.32		27.0	0.0	
100	PI/2 BPSK	1	271		25.58				
100	PI/2 BPSK	135	0		25.83		26.5	0.5	
100	PI/2 BPSK	135	69		26.30		27.0	0.0	
100	PI/2 BPSK	135	138		26.00		26.5	0.5	
100	PI/2 BPSK	270	0		25.91				
100	QPSK	1	1		25.31				
100	QPSK	1	137		26.33		27.0	0.0	
100	QPSK	1	271		25.53				
100	QPSK	135	0		25.29		26.0	1.0	
100	QPSK	135	69		26.26		27.0	0.0	
100	QPSK	135	138		25.38		26.0	1.0	
100	QPSK	270	0		25.33				
100	16QAM	1	1		24.64		26.0	1.0	
100	64QAM	1	1		23.00		24.5	2.5	
100	256QAM	1	1		21.18		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123		25.87	25.98	25.95	27.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		25.97	25.88	25.95	27.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95		25.92	25.92	25.95	27.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81		25.89	25.91	25.97	27.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		25.89	25.92	25.90	27.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53		25.87	25.90	25.94	27.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		25.89	25.94	25.98	27.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19		25.93	25.98	25.89	27.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12		25.93	25.95	25.97	27.0	

n77_NSA Ant8 PC3 DSI2										
BW [MHz]	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	23.0	0.0		
Frequency (MHz)				3750	3840	3930				
100	PI/2 BPSK	1	1	20.40	20.44	20.38	23.0	0.0		
100	PI/2 BPSK	1	137	21.53	21.48	21.52				
100	PI/2 BPSK	1	271	20.51	20.55	20.42	23.0	0.0		
100	PI/2 BPSK	135	0	21.27	21.38	21.34				
100	PI/2 BPSK	135	69	21.49	21.44	21.52	23.0	0.0		
100	PI/2 BPSK	135	138	21.38	21.46	21.40				
100	PI/2 BPSK	270	0	21.38	21.44	21.35	23.0	0.0		
100	QPSK	1	1	20.48	20.49	20.62				
100	QPSK	1	137	21.56	21.57	21.39	23.0	0.0		
100	QPSK	1	271	20.56	20.62	20.53				
100	QPSK	135	0	21.41	21.48	21.35	23.0	0.0		
100	QPSK	135	69	21.48	21.53	21.62				
100	QPSK	135	138	21.48	21.41	21.33	23.0	0.0		
100	QPSK	270	0	21.44	21.48	21.47				
100	16QAM	1	1	21.17	21.22	21.18	23.0	0.0		
100	64QAM	1	1	21.23	21.28	21.14				
100	256QAM	1	1	19.82	19.86	19.81	21.5	1.5		
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3840	3935.01		23.0 0.0		
90	QPSK	1	123	21.21	21.17	21.36	23.0	0.0		
Channel				649334	656000	662668				
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm) MPR (dB)			
80	QPSK	1	109	21.20	21.24	21.30	23.0	0.0		
Channel				649000	656000	663000				
Frequency (MHz)				3735	3840	3945	Tune-up limit (dBm) MPR (dB)			
70	QPSK	1	95	21.17	21.23	21.29	23.0	0.0		
Channel				648668	656000	663334				
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm) MPR (dB)			
60	QPSK	1	81	21.14	21.19	21.37	23.0	0.0		
Channel				648334	656000	663668				
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm) MPR (dB)			
50	QPSK	1	67	21.20	21.25	21.37	23.0	0.0		
Channel				648000	656000	664000				
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm) MPR (dB)			
40	QPSK	1	53	21.24	21.24	21.35	23.0	0.0		
Channel				647334	656000	664668				
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm) MPR (dB)			
20	QPSK	1	26	21.18	21.25	21.30	23.0	0.0		
Channel				647168	656000	664834				
Frequency (MHz)				3707.52	3840	3972.51	Tune-up limit (dBm) MPR (dB)			
15	QPSK	1	19	21.16	21.25	21.39	23.0	0.0		
Channel				647000	656000	665000				
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm) MPR (dB)			
10	QPSK	1	12	21.23	21.14	21.33	23.0 0.0			

Par27Q n77_NSA Ant8 PC3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01	23.0	0.0	
Frequency (MHz)									
100	PI/2 BPSK	1	1	20.30		21.25	23.0	0.0	
100	PI/2 BPSK	1	137						
100	PI/2 BPSK	1	271	20.26		21.14	23.0	0.0	
100	PI/2 BPSK	135	0						
100	PI/2 BPSK	135	69	21.28		21.17	23.0	0.0	
100	PI/2 BPSK	135	138						
100	PI/2 BPSK	270	0	21.12		20.36	23.0	0.0	
100	QPSK	1	1						
100	QPSK	1	137	21.49		20.34	23.0	0.0	
100	QPSK	1	271						
100	QPSK	135	0	21.15		21.20	23.0	0.0	
100	QPSK	135	69	21.38					
100	QPSK	135	138	21.20		21.16	23.0	0.0	
100	QPSK	270	0						
100	16QAM	1	1	21.10		21.18	23.0	0.0	
100	64QAM	1	1						
100	256QAM	1	1	19.87		21.15	1.5		
Channel				633000	633334				
Frequency (MHz)				3495	3500.01	3504.99	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	21.14	21.12	21.18	23.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	21.08	21.11	21.08	23.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	95	21.28	21.30	21.33	23.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	21.33	21.33	21.32	23.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	21.34	21.30	21.35	23.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	21.31	21.34	21.34	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	21.34	21.32	21.37	23.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	21.27	21.30	21.29	23.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	21.29	21.31	21.35	23.0	0.0	

n78_NSA Ant8 PC3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		20.41		23.0	0.0	
100	PI/2 BPSK	1	137		21.37				
100	PI/2 BPSK	1	271		20.76				
100	PI/2 BPSK	135	0		21.32				
100	PI/2 BPSK	135	69		21.41		23.0	0.0	
100	PI/2 BPSK	135	138		21.42		23.0	0.0	
100	PI/2 BPSK	270	0		21.31				
100	QPSK	1	1		20.37		23.0	0.0	
100	QPSK	1	137		21.45				
100	QPSK	1	271		20.72				
100	QPSK	135	0		21.25				
100	QPSK	135	69		21.39		23.0	0.0	
100	QPSK	135	138		21.38		23.0	0.0	
100	QPSK	270	0		21.37				
100	16QAM	1	1		21.25		23.0	0.0	
100	64QAM	1	1		21.29		23.0	0.0	
100	256QAM	1	1		19.93		21.5	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	21.14	21.27	21.06	23.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	21.20	21.24	21.10	23.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95	21.13	21.16	21.09	23.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81	21.13	21.17	21.12	23.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	21.21	21.25	21.09	23.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	21.17	21.16	21.15	23.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	21.12	21.19	21.14	23.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	21.22	21.18	21.07	23.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	21.21	21.17	21.16	23.0	0.0	

Par27Q n78_NSA Ant8 PC3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		20.49		23.0		0.0
100	PI/2 BPSK	1	137		21.42				
100	PI/2 BPSK	1	271		20.56				
100	PI/2 BPSK	135	0		21.29				
100	PI/2 BPSK	135	69		21.41		23.0		0.0
100	PI/2 BPSK	135	138		21.29		23.0		0.0
100	PI/2 BPSK	270	0		21.28				
100	QPSK	1	1		20.45		23.0		0.0
100	QPSK	1	137		21.47				
100	QPSK	1	271		20.49				
100	QPSK	135	0		21.33				
100	QPSK	135	69		21.45		23.0		0.0
100	QPSK	135	138		21.33		23.0		0.0
100	QPSK	270	0		21.32				
100	16QAM	1	1		21.27		23.0		0.0
100	64QAM	1	1		21.33		23.0		0.0
100	256QAM	1	1		19.83		21.5		1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	21.07	21.20	21.10	23.0		0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	21.09	21.09	21.02	23.0		0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	21.06	21.20	21.02	23.0		0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	21.05	21.17	20.99	23.0		0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	21.16	21.20	21.11	23.0		0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	21.10	21.15	21.02	23.0		0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	21.05	21.17	21.02	23.0		0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	21.11	21.20	21.03	23.0		0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	21.05	21.14	21.06	23.0		0.0

n5_SA&NSA Ant0 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800	25.5	0.0	
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	24.28	24.39	24.30			
20	PI/2 BPSK	1	26	24.39	24.45	24.39			
20	PI/2 BPSK	1	49	24.19	24.32	24.26	25.0	0.5	
20	PI/2 BPSK	25	0	23.98	24.05	23.91			
20	PI/2 BPSK	25	13	24.37	24.51	24.42			
20	PI/2 BPSK	25	26	23.91	23.98	23.86			
20	PI/2 BPSK	50	0	23.95	24.04	23.91	25.5	0.0	
20	QPSK	1	1	24.40	24.51	24.33			
20	QPSK	1	26	24.41	24.53	24.38			
20	QPSK	1	49	24.32	24.41	24.32			
20	QPSK	25	0	23.37	23.46	23.35	24.5	1.0	
20	QPSK	25	13	24.48	24.51	24.45	25.5	0.0	
20	QPSK	25	26	23.62	23.53	23.47	24.5	1.0	
20	QPSK	50	0	23.56	23.62	23.48	24.5	1.0	
20	16QAM	1	1	22.98	23.07	23.01			
20	64QAM	1	1	21.48	21.56	21.49			
20	256QAM	1	1	20.14	20.19	20.11			
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0	
15	QPSK	1	40	24.27	24.47	24.25			
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	25.5	0.0	
10	QPSK	1	26	24.27	24.47	24.33			

n7_SA&NSA Ant0 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	Tune-up limit (dBm)	MPR (dB)	
20	PI/2 BPSK	1	1	15.94	15.86	15.76	17.0	0.0	
20	PI/2 BPSK	1	26	15.88	16.02	15.83			
20	PI/2 BPSK	1	49	15.81	15.79	15.85			
20	PI/2 BPSK	25	0	15.79	16.10	15.95			
20	PI/2 BPSK	25	13	15.95	15.92	15.98	17.0	0.0	
20	PI/2 BPSK	25	26	15.91	16.02	15.80	17.0	0.0	
20	PI/2 BPSK	50	0	15.91	16.12	16.01			
20	QPSK	1	1	16.08	16.11	15.94			
20	QPSK	1	26	16.11	16.25	16.04			
20	QPSK	1	49	15.78	16.03	15.83	17.0	0.0	
20	QPSK	25	0	15.88	15.94	15.97			
20	QPSK	25	13	16.16	16.17	15.95			
20	QPSK	25	26	15.96	15.92	15.96			
20	QPSK	50	0	16.15	16.16	16.09	17.0	0.0	
20	16QAM	1	1	15.75	15.68	15.76	17.0	0.0	
20	64QAM	1	1	15.72	15.65	15.69	17.0	0.0	
20	256QAM	1	1	15.60	15.69	15.67	17.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	40	15.91	16.93	15.98	17.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	26	15.94	15.99	16.01	17.0	0.0	

n38_SA&NSA Ant0 DS13&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	15.41	15.49	15.36	17.5	0.0	
40	PI/2 BPSK	1	53	15.98	16.05	15.97			
40	PI/2 BPSK	1	104	15.57	15.73	15.57			
40	PI/2 BPSK	50	0	15.93	16.02	15.91			
40	PI/2 BPSK	50	28	16.01	16.07	15.95	17.5	0.0	
40	PI/2 BPSK	50	56	15.90	15.94	15.79	17.5	0.0	
40	PI/2 BPSK	100	0	15.99	16.04	15.98			
40	QPSK	1	1	16.00	16.16	16.05			
40	QPSK	1	53	15.99	16.17	15.95			
40	QPSK	1	104	15.61	15.67	15.58	17.5	0.0	
40	QPSK	50	0	15.88	15.96	15.84			
40	QPSK	50	28	16.04	16.15	16.04			
40	QPSK	50	56	15.70	15.86	15.81			
40	QPSK	100	0	16.03	16.09	15.96	17.5	0.0	
40	16QAM	1	1	15.79	15.86	15.85	17.5	0.0	
40	64QAM	1	1	15.81	15.89	15.84	17.5	0.0	
40	256QAM	1	1	15.75	15.81	15.71	17.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	17.5	0.0	
20	QPSK	1	26	15.89	16.02	16.00	17.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	17.5	0.0	
15	QPSK	1	19	15.94	16.07	15.96	17.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	17.5	0.0	
10	QPSK	1	12	15.96	16.10	16.00	17.5	0.0	

n41_SA&NSA Ant0 PC2&3 DS13&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	16.11	16.16	16.18	17.5	0.0	
100	PI/2 BPSK	1	137	16.22	16.10	16.20			
100	PI/2 BPSK	1	271	15.71	15.85	15.79			
100	PI/2 BPSK	135	0	15.94	16.02	15.95	17.5	0.0	
100	PI/2 BPSK	135	69	16.18	16.08	16.24	17.5	0.0	
100	PI/2 BPSK	135	138	16.11	16.18	16.09	17.5	0.0	
100	PI/2 BPSK	270	0	16.03	16.14	16.05			
100	QPSK	1	1	16.13	16.18	16.02			
100	QPSK	1	137	16.18	16.28	16.19	17.5	0.0	
100	QPSK	1	271	15.70	15.83	15.70			
100	QPSK	135	0	15.92	16.07	15.96			
100	QPSK	135	69	16.08	16.22	16.04	17.5	0.0	
100	QPSK	135	138	16.14	16.03	16.14	17.5	0.0	
100	QPSK	270	0	16.15	16.25	16.11			
100	16QAM	1	1	15.92	16.07	16.02			
100	64QAM	1	1	15.94	16.10	15.99	17.5	0.0	
100	256QAM	1	1	15.98	16.03	16.11	17.5	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	17.5	0.0	
90	QPSK	1	123	16.10	16.17	16.00	17.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	17.5	0.0	
80	QPSK	1	109	16.08	16.11	16.00	17.5	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	17.5	0.0	
60	QPSK	1	81	16.04	16.14	16.04	17.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	17.5	0.0	
50	QPSK	1	67	15.99	16.08	16.07	17.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	17.5	0.0	
40	QPSK	1	53	16.04	16.10	16.06	17.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	17.5	0.0	
30	QPSK	1	39	16.09	16.12	16.03	17.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	17.5	0.0	
20	QPSK	1	26	16.01	16.17	16.06	17.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	17.5	0.0	
15	QPSK	1	19	16.03	16.11	16.11	17.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	17.5	0.0	
10	QPSK	1	12	16.08	16.15	16.01	17.5	0.0	

n66_SA&NSA Ant1 DS13&4								
BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.22	23.32	23.20	24.5	0.0
40	PI/2 BPSK	1	53	23.36	23.47	23.33		
40	PI/2 BPSK	1	104	23.27	23.34	23.17		
40	PI/2 BPSK	50	0	22.99	23.11	23.05		
40	PI/2 BPSK	50	28	23.36	23.46	23.38	24.5	0.0
40	PI/2 BPSK	50	56	22.92	23.06	22.99	24.0	0.5
40	PI/2 BPSK	100	0	22.98	23.08	23.00		
40	QPSK	1	1	23.32	23.45	23.40	24.5	0.0
40	QPSK	1	53	23.36	23.49	23.41		
40	QPSK	1	104	23.14	23.26	23.21		
40	QPSK	50	0	22.33	22.53	22.39		
40	QPSK	50	28	23.39	23.44	23.43	23.5	1.0
40	QPSK	50	56	22.38	22.52	22.46	23.5	1.0
40	QPSK	100	0	22.31	22.41	22.36		
40	16QAM	1	1	22.13	22.26	22.18	23.5	1.0
40	64QAM	1	1	20.54	20.59	20.52	22.0	2.5
40	256QAM	1	1	19.08	19.16	19.01	20.0	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	23.30	23.39	23.34	24.5	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	67	23.21	23.33	23.28	24.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	26	23.19	23.32	23.27	24.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	19	23.25	23.32	23.35	24.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	12	23.27	23.43	23.29	24.5	0.0

Part270 n77_NSA Ant1 PC2&3 DSI3&4									
BW [MHz]	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	21.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.34	18.43	18.31	21.0	0.0	
100	PI/2 BPSK	1	137	19.45	19.51	19.36			
100	PI/2 BPSK	1	271	18.75	18.80	18.75			
100	PI/2 BPSK	135	0	19.22	19.34	19.21			
100	PI/2 BPSK	135	69	19.48	19.56	19.55	21.0	0.0	
100	PI/2 BPSK	135	138	19.33	19.48	19.41			
100	PI/2 BPSK	270	0	19.29	19.40	19.33			
100	QPSK	1	1	19.56	19.62	19.50			
100	QPSK	1	137	19.63	19.69	19.62	21.0	0.0	
100	QPSK	1	271	18.67	18.82	18.75			
100	QPSK	135	0	19.22	19.36	19.21			
100	QPSK	135	69	19.52	19.60	19.55			
100	QPSK	135	138	19.35	19.46	19.36	21.0	0.0	
100	QPSK	270	0	19.33	19.40	19.33			
100	16QAM	1	1	19.27	19.33	19.37			
100	64QAM	1	1	19.25	19.38	19.32			
100	256QAM	1	1	19.32	19.33	19.42	21.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	21.0	0.0	
90	QPSK	1	123	18.78	18.95	18.81	21.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	21.0	0.0	
80	QPSK	1	109	18.82	18.94	18.85	21.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	21.0	0.0	
70	QPSK	1	95	18.88	18.85	18.88	21.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	21.0	0.0	
60	QPSK	1	81	18.77	18.87	18.79	21.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	21.0	0.0	
50	QPSK	1	67	18.83	18.88	18.85	21.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	21.0	0.0	
40	QPSK	1	53	18.78	18.85	18.86	21.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	21.0	0.0	
20	QPSK	1	26	18.85	18.92	18.79	21.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	21.0	0.0	
15	QPSK	1	19	18.83	18.86	18.81	21.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	21.0	0.0	
10	QPSK	1	12	18.84	18.90	18.84	21.0	0.0	

Par27Q n77_NSA Ant1 PC2&3 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel						633334	21.0	0.0	
Frequency (MHz)						3500.01			
100	PI/2 BPSK	1	1			18.52	21.0	0.0	
100	PI/2 BPSK	1	137			19.34			
100	PI/2 BPSK	1	271			18.67			
100	PI/2 BPSK	135	0			19.21			
100	PI/2 BPSK	135	69			18.09	21.0	0.0	
100	PI/2 BPSK	135	138			19.30			
100	PI/2 BPSK	270	0			19.29			
100	QPSK	1	1			19.48			
100	QPSK	1	137			19.49	21.0	0.0	
100	QPSK	1	271			18.62			
100	QPSK	135	0			19.18			
100	QPSK	135	69			19.41			
100	QPSK	135	138			19.33	21.0	0.0	
100	QPSK	270	0			19.26			
100	16QAM	1	1			19.19			
100	64QAM	1	1			19.33			
100	256QAM	1	1			19.23			
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	21.0	0.0	
90	QPSK	1	123	19.04	19.20	19.12	21.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	21.0	0.0	
80	QPSK	1	109	19.04	19.23	19.07	21.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	21.0	0.0	
70	QPSK	1	95	19.03	19.29	19.07	21.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	21.0	0.0	
60	QPSK	1	81	19.09	19.21	19.13	21.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	21.0	0.0	
50	QPSK	1	67	19.12	19.23	19.16	21.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	21.0	0.0	
40	QPSK	1	53	19.09	19.30	19.14	21.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	21.0	0.0	
20	QPSK	1	26	19.09	19.26	19.17	21.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	21.0	0.0	
15	QPSK	1	19	19.13	19.23	19.14	21.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	21.0	0.0	
10	QPSK	1	12	19.03	19.25	19.17	21.0	0.0	

Part270 n78_NSA Ant1 PC2&3 DSI3&4									
BW [MHz]	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	PI/2 BPSK	1	1		18.65		21.0	0.0	
100	PI/2 BPSK	1	137		19.51				
100	PI/2 BPSK	1	271		18.96				
100	PI/2 BPSK	135	0		19.36				
100	PI/2 BPSK	135	69		19.53				
100	PI/2 BPSK	135	138		19.50		21.0	0.0	
100	PI/2 BPSK	270	0		18.49		21.0	0.0	
100	QPSK	1	1		19.57				
100	QPSK	1	137		18.97				
100	QPSK	1	271		18.53				
100	QPSK	135	0		19.38		21.0	0.0	
100	QPSK	135	69		19.63		21.0	0.0	
100	QPSK	135	138		19.56		21.0	0.0	
100	QPSK	270	0		19.45		21.0	0.0	
100	16QAM	1	1		19.27		21.0	0.0	
100	64QAM	1	1		19.31		21.0	0.0	
100	256QAM	1	1		19.43		21.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	21.0	0.0	
90	QPSK	1	123		19.29	19.59	19.30	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	21.0	0.0	
80	QPSK	1	109		19.33	19.51	19.31	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	21.0	0.0	
70	QPSK	1	95		19.33	19.50	19.26	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	21.0	0.0	
60	QPSK	1	81		19.35	19.61	19.31	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	21.0	0.0	
50	QPSK	1	67		19.30	19.53	19.28	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	21.0	0.0	
40	QPSK	1	53		19.34	19.62	19.25	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	21.0	0.0	
20	QPSK	1	26		19.39	19.54	19.28	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	21.0	0.0	
15	QPSK	1	19		19.36	19.53	19.26	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	21.0	0.0	
10	QPSK	1	12		19.37	19.61	19.28	0.0	

Par27Q n78_NSA Ant1 PC2&3 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		19.13		21.0	0.0	
100	PI/2 BPSK	1	137		19.16				
100	PI/2 BPSK	1	271		18.10				
100	PI/2 BPSK	135	0		19.05				
100	PI/2 BPSK	135	69		19.18				
100	PI/2 BPSK	135	138		18.81		21.0	0.0	
100	PI/2 BPSK	270	0		19.07		21.0	0.0	
100	QPSK	1	1		19.26				
100	QPSK	1	137		19.28				
100	QPSK	1	271		18.07				
100	QPSK	135	0		18.99		21.0	0.0	
100	QPSK	135	69		19.17		21.0	0.0	
100	QPSK	135	138		18.80		21.0	0.0	
100	QPSK	270	0		19.01		21.0	0.0	
100	16QAM	1	1		19.05		21.0	0.0	
100	64QAM	1	1		19.09		21.0	0.0	
100	256QAM	1	1		19.21		21.0	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	21.0	0.0	
90	QPSK	1	123		18.89	19.02	18.75	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	21.0	0.0	
80	QPSK	1	109		18.85	19.03	18.83	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	21.0	0.0	
70	QPSK	1	95		18.83	19.01	18.80	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	21.0	0.0	
60	QPSK	1	81		18.78	19.03	18.78	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	21.0	0.0	
50	QPSK	1	67		18.82	19.05	18.78	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	21.0	0.0	
40	QPSK	1	53		18.85	19.09	18.78	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	21.0	0.0	
20	QPSK	1	26		18.82	19.12	18.75	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	21.0	0.0	
15	QPSK	1	19		18.80	19.10	18.84	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	21.0	0.0	
10	QPSK	1	12		18.82	19.08	18.79	0.0	

n7_SA&NSA Ant2 DS13&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	17.17	17.32	17.06	18.5	0.0	
20	PI/2 BPSK	1	26	17.11	17.40	17.23			
20	PI/2 BPSK	1	49	17.07	17.18	17.22			
20	PI/2 BPSK	25	0	17.31	17.44	17.14			
20	PI/2 BPSK	25	13	17.16	17.37	17.25	18.5	0.0	
20	PI/2 BPSK	25	26	17.16	17.39	17.24	18.5	0.0	
20	PI/2 BPSK	50	0	17.24	17.32	17.28			
20	QPSK	1	1	17.12	17.28	17.14			
20	QPSK	1	26	17.18	17.34	17.26			
20	QPSK	1	49	17.10	17.22	17.23	18.5	0.0	
20	QPSK	25	0	17.29	17.22	17.25			
20	QPSK	25	13	17.06	17.31	17.28			
20	QPSK	25	26	17.19	17.27	17.23			
20	QPSK	50	0	17.15	17.20	17.19	18.5	0.0	
20	16QAM	1	1	17.18	17.13	17.23	18.5	0.0	
20	64QAM	1	1	17.25	17.17	17.14	18.5	0.0	
20	256QAM	1	1	17.11	17.12	17.15	18.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	40	18.94	17.21	17.20	18.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	26	17.10	17.24	17.10	18.5	0.0	

n66_SA&NSA Ant2 DS13&4									
BW [MHz]	Modulation	RB Size	RB Offset	Channel	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	PI/2 BPSK	1	1		22.57	22.65	22.52	24.5	0.0
40	PI/2 BPSK	1	53		23.18	23.27	23.22		
40	PI/2 BPSK	1	104		22.76	22.90	22.80		
40	PI/2 BPSK	50	0		22.39	22.53	22.46		
40	PI/2 BPSK	50	28		23.07	23.17	23.03	24.5	0.0
40	PI/2 BPSK	50	56		22.33	22.47	22.32	24.0	0.5
40	PI/2 BPSK	100	0		22.45	22.58	22.51		
40	QPSK	1	1		22.74	22.73	22.77		
40	QPSK	1	53		23.25	23.34	23.26		
40	QPSK	1	104		22.67	22.80	22.67	24.5	0.0
40	QPSK	50	0		22.00	22.14	22.02		
40	QPSK	50	28		23.18	23.29	23.20		
40	QPSK	50	56		21.93	21.99	21.88		
40	QPSK	100	0		22.10	22.23	22.18	23.5	1.0
40	16QAM	1	1		22.42	22.54	22.40	23.5	1.0
40	64QAM	1	1		20.89	20.99	20.91	22.0	2.5
40	256QAM	1	1		18.50	18.56	18.47	20.0	4.5
				Channel	345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1725	1745	1765		
30	QPSK	1	39		23.09	23.01	23.10	24.5	0.0
				Channel	344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1722.5	1745	1767.5		
25	QPSK	1	32		23.09	23.09	23.06	24.5	0.0
				Channel	344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1720	1745	1770		
20	QPSK	1	26		23.05	23.02	23.08	24.5	0.0
				Channel	343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1717.5	1745	1772.5		
15	QPSK	1	19		23.04	23.09	23.08	24.5	0.0
				Channel	343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	1715	1745	1775		
10	QPSK	1	12		23.03	23.06	23.06	24.5	0.0

n38_SA&NSA Ant2 DS13&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	18.24	18.32	18.17	19.5		0.0
40	PI/2 BPSK	1	53	18.57	18.70	18.59			
40	PI/2 BPSK	1	104	18.01	18.10	17.98			
40	PI/2 BPSK	50	0	18.61	18.68	18.54			
40	PI/2 BPSK	50	28	18.52	18.64	18.48	19.5		0.0
40	PI/2 BPSK	50	56	18.30	18.44	18.37	19.5		0.0
40	PI/2 BPSK	100	0	18.43	18.57	18.44			
40	QPSK	1	1	18.68	18.84	18.78			
40	QPSK	1	53	18.64	18.72	18.58			
40	QPSK	1	104	17.83	17.99	17.85	19.5		0.0
40	QPSK	50	0	18.37	18.43	18.35			
40	QPSK	50	28	18.45	18.59	18.54			
40	QPSK	50	56	18.23	18.35	18.31			
40	QPSK	100	0	18.45	18.50	18.35	19.5		0.0
40	16QAM	1	1	18.75	18.77	18.72	19.5		0.0
40	64QAM	1	1	18.72	18.80	18.68	19.5		0.0
40	256QAM	1	1	18.69	18.73	18.77	19.5		0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	26	18.36	18.55	18.42	19.5		0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	18.33	18.44	18.45	19.5		0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	18.38	18.48	18.40	19.5		0.0

n41_SA&NSA Ant2 PC3 DS13&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	19.5	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.38	17.52	17.45			
100	PI/2 BPSK	1	137	18.03	18.11	18.00			
100	PI/2 BPSK	1	271	17.17	17.31	17.15	19.5	0.0	
100	PI/2 BPSK	135	0	18.22	18.28	18.18			
100	PI/2 BPSK	135	69	18.20	18.34	18.25			
100	PI/2 BPSK	135	138	18.03	18.10	18.03			
100	PI/2 BPSK	270	0	18.08	18.16	18.08	19.5	0.0	
100	QPSK	1	1	18.36	18.42	18.27			
100	QPSK	1	137	18.21	18.43	18.18			
100	QPSK	1	271	17.12	17.23	17.13			
100	QPSK	135	0	18.18	18.29	18.23	18.5	1.0	
100	QPSK	135	69	18.17	18.32	18.27	19.5	0.0	
100	QPSK	135	138	17.88	18.03	17.93	18.5	1.0	
100	QPSK	270	0	18.04	18.11	17.98	19.5	0.0	
100	16QAM	1	1	17.85	17.89	17.83			
100	64QAM	1	1	17.87	17.86	17.84			
100	256QAM	1	1	17.80	17.88	17.83			
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	19.5	0.0	
90	QPSK	1	123	17.93	18.00	17.93	19.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	19.5	0.0	
80	QPSK	1	109	17.89	18.07	17.85	19.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	19.5	0.0	
60	QPSK	1	81	17.96	18.01	17.91	19.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	19.5	0.0	
50	QPSK	1	67	17.91	17.96	17.86	19.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	19.5	0.0	
40	QPSK	1	53	17.99	17.99	17.93	19.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	19.5	0.0	
30	QPSK	1	39	17.94	18.02	17.86	19.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	19.5	0.0	
20	QPSK	1	26	17.92	18.04	17.84	19.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	19.5	0.0	
15	QPSK	1	19	17.96	18.06	17.90	19.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	19.5	0.0	
10	QPSK	1	12	17.98	17.97	17.93	19.5	0.0	

Part270 n77_SA&NSA Ant3 PC2&3 DSI3&4									
BW [MHz]	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	23.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	21.23	21.07	21.01	23.0	0.0	
100	PI/2 BPSK	1	137	22.08	22.18	22.11			
100	PI/2 BPSK	1	271	21.09	21.20	21.12	23.0	0.0	
100	PI/2 BPSK	135	0	21.89	21.96	21.92			
100	PI/2 BPSK	135	69	22.21	22.28	22.17	23.0	0.0	
100	PI/2 BPSK	135	138	21.90	22.03	21.97			
100	PI/2 BPSK	270	0	22.02	22.07	22.00	23.0	0.0	
100	QPSK	1	1	22.43	22.49	22.43			
100	QPSK	1	137	22.02	22.12	22.03	23.0	0.0	
100	QPSK	1	271	21.21	21.26	21.15			
100	QPSK	135	0	21.84	21.98	21.86	23.0	0.0	
100	QPSK	135	69	22.21	22.28	22.17			
100	QPSK	135	138	22.02	22.06	22.01	23.0	0.0	
100	QPSK	270	0	22.12	22.20	22.11			
100	16QAM	1	1	22.12	22.14	22.17	23.0	0.0	
100	64QAM	1	1	22.13	22.15	22.13			
100	256QAM	1	1	21.91	21.99	21.86	22.5	0.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	22.08	22.16	22.04	23.0	0.0	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	22.10	22.20	22.12		0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	95	22.10	22.24	22.11	23.0	0.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	22.12	22.17	22.08		0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	22.10	22.23	22.01	23.0	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	22.14	22.12	22.04		0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	22.05	22.16	22.12	23.0	0.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	22.08	22.14	22.06		0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	22.08	22.22	22.05	23.0	0.0	
Channel									

Par27Q n77_NSA Ant3 PC2&3 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		23.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		21.77		23.0	0.0	
100	PI/2 BPSK	1	137		22.12				
100	PI/2 BPSK	1	271		21.87		23.0	0.0	
100	PI/2 BPSK	135	0		21.98				
100	PI/2 BPSK	135	69		22.12		23.0	0.0	
100	PI/2 BPSK	135	138		22.04				
100	PI/2 BPSK	270	0		22.03		23.0	0.0	
100	QPSK	1	1		22.26				
100	QPSK	1	137		22.13		23.0	0.0	
100	QPSK	1	271		21.79				
100	QPSK	135	0		22.01		23.0	0.0	
100	QPSK	135	69		22.22				
100	QPSK	135	138		22.04		23.0	0.0	
100	QPSK	270	0		21.98				
100	16QAM	1	1		21.88		23.0	0.0	
100	64QAM	1	1		21.90				
100	256QAM	1	1		21.59		22.5	0.5	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	22.12	22.13	22.09	23.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	22.11	22.14	22.02		0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	22.03	22.18	22.04	23.0	0.0	
Channel				632000	633334	634666			
Frequency (MHz)				3480	3500.01	3519.99	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	22.09	22.09	22.08		0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	22.05	22.10	22.02	23.0	0.0	
Channel				631334	633334	635332			
Frequency (MHz)				3470.01	3500.01	3529.98	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	22.05	22.11	22.00		0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	22.12	22.19	22.02	23.0	0.0	
Channel				630500	633334	636166			
Frequency (MHz)				3457.5	3500.01	3542.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	22.05	22.17	22.00		0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	22.12	22.16	22.04	23.0	0.0	
Channel									

Part27O n78_SA&NSA Ant3 PC2&3 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	23.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	21.31					
100	PI/2 BPSK	1	137	22.28					
100	PI/2 BPSK	1	271	21.56			23.0	0.0	
100	PI/2 BPSK	135	0	22.12					
100	PI/2 BPSK	135	69	22.33					
100	PI/2 BPSK	135	138	22.20					
100	PI/2 BPSK	270	0	22.18			23.0	0.0	
100	QPSK	1	1	22.25					
100	QPSK	1	137	22.34					
100	QPSK	1	271	21.64					
100	QPSK	135	0	22.14			23.0	0.0	
100	QPSK	135	69	22.26					
100	QPSK	135	138	22.19					
100	QPSK	270	0	22.14					
100	16QAM	1	1	22.10			23.0	0.0	
100	64QAM	1	1	22.18					
100	256QAM	1	1	21.89					
Channel				649668	650000	650334	23.0	0.0	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	22.17	22.19	22.13			
Channel				649334	650000	650668	23.0	0.0	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	22.10	22.14	22.08			
Channel				649000	650000	651000	23.0	0.0	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95	22.08	22.19	22.06			
Channel				648668	650000	651334	23.0	0.0	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81	22.15	22.12	22.04			
Channel				648334	650000	651668	23.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	22.10	22.21	22.04			
Channel				648000	650000	652000	23.0	0.0	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	22.08	22.13	22.08			
Channel				647334	650000	652668	23.0	0.0	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	22.09	22.20	22.09			
Channel				647168	650000	652834	23.0	0.0	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	22.17	22.24	22.02			
Channel				647000	650000	653000	23.0	0.0	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	22.08	22.15	22.05			

Par27Q n78_NSA Ant3 PC2&3 DSI3&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		23.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		21.23				
100	PI/2 BPSK	1	137		22.18				
100	PI/2 BPSK	1	271		21.26		23.0	0.0	
100	PI/2 BPSK	135	0		22.02				
100	PI/2 BPSK	135	69		22.09				
100	PI/2 BPSK	135	138		22.00				
100	PI/2 BPSK	270	0		21.96		23.0	0.0	
100	QPSK	1	1		22.19				
100	QPSK	1	137		22.08				
100	QPSK	1	271		21.24				
100	QPSK	135	0		21.96		23.0	0.0	
100	QPSK	135	69		22.14				
100	QPSK	135	138		22.06				
100	QPSK	270	0		21.99				
100	16QAM	1	1		22.06		23.0	0.0	
100	64QAM	1	1		22.04				
100	256QAM	1	1		21.84				
Channel				633000	633334	633666	23.0	0.0	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	22.04	22.13	21.99			
Channel				632668	633334	634000	23.0	0.0	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	22.01	22.09	21.98			
Channel				632334	633334	634332	23.0	0.0	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	22.05	22.10	21.99			
Channel				632000	633334	634666	23.0	0.0	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	22.03	22.02	22.02			
Channel				631668	633334	635000	23.0	0.0	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	22.02	22.11	21.92			
Channel				631334	633334	635332	23.0	0.0	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	21.96	22.03	21.97			
Channel				630668	633334	636000	23.0	0.0	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	21.97	22.06	22.02			
Channel				630500	633334	636166	23.0	0.0	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	21.99	22.14	22.03			
Channel				630334	633334	636332	23.0	0.0	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	22.05	22.04	21.99			

n5_SA&NSA Ant4 DS14								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166500	167000	167500	24.5	0.0
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.57	23.71	23.60	24.5	0.0
20	PI/2 BPSK	1	26	23.67	23.77	23.72		
20	PI/2 BPSK	1	49	23.52	23.66	23.52		
20	PI/2 BPSK	25	0	23.37	23.48	23.38	24.0	0.5
20	PI/2 BPSK	25	13	23.79	23.86	23.74	24.5	0.0
20	PI/2 BPSK	25	26	23.27	23.33	23.19	24.0	0.5
20	PI/2 BPSK	50	0	23.30	23.43	23.30		
20	QPSK	1	1	23.82	23.93	23.85		
20	QPSK	1	26	23.83	23.96	23.87	24.5	0.0
20	QPSK	1	49	23.56	23.69	23.54		
20	QPSK	25	0	22.82	22.96	22.85	23.5	1.0
20	QPSK	25	13	23.69	23.92	23.86	24.5	0.0
20	QPSK	25	26	22.69	22.85	22.78	23.5	1.0
20	QPSK	50	0	22.97	23.04	22.93		
20	16QAM	1	1	22.26	22.38	22.21		
20	64QAM	1	1	20.67	20.94	20.80	22.0	2.5
20	256QAM	1	1	19.41	19.44	19.42	20.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	24.5	0.0
15	QPSK	1	19	23.71	23.83	23.72		
Channel				165500	167000	168000	24.5	0.0
Frequency (MHz)				829	836.5	844		
10	QPSK	1	12	23.76	23.90	23.78	24.5	0.0

n7_SA&NSA Ant4 DS14								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	20.5	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	19.69	19.85	19.77	20.5	0.0
20	PI/2 BPSK	1	26	19.67	19.98	19.83		
20	PI/2 BPSK	1	49	19.76	19.93	19.80		
20	PI/2 BPSK	25	0	19.90	19.97	19.87	20.5	0.0
20	PI/2 BPSK	25	13	19.92	20.00	19.86	20.5	0.0
20	PI/2 BPSK	25	26	19.88	19.94	19.84	20.5	0.0
20	PI/2 BPSK	50	0	19.85	20.00	19.93		
20	QPSK	1	1	19.80	20.01	19.93		
20	QPSK	1	26	19.83	20.05	19.82	20.5	0.0
20	QPSK	1	49	19.76	19.83	19.78		
20	QPSK	25	0	19.78	19.90	19.78	20.5	0.0
20	QPSK	25	13	19.87	19.99	19.83	20.5	0.0
20	QPSK	25	26	19.85	19.94	19.87	20.5	0.0
20	QPSK	50	0	19.90	19.97	19.92	20.5	0.0
20	16QAM	1	1	19.53	19.60	19.56		
20	64QAM	1	1	18.47	19.54	19.41		
20	256QAM	1	1	18.64	18.78	18.70	19.0	1.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	20.5	MPR (dB)
15	QPSK	1	19	19.78	19.88	19.73		
Channel				501000	507000	513000	20.5	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	12	19.80	19.92	19.68	20.5	0.0

n66_SA&NSA Ant4 DS14								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000	23.5	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	22.42	22.57	22.48	23.5	0.0
40	PI2 BPSK	1	53	22.96	23.07	22.94		
40	PI2 BPSK	1	104	22.71	22.81	22.73		
40	PI2 BPSK	50	0	22.19	22.34	22.24	23.0	0.5
40	PI2 BPSK	50	26	22.95	23.09	22.96	23.5	0.0
40	PI2 BPSK	50	56	22.24	22.32	22.21	23.0	0.5
40	PI2 BPSK	100	0	22.27	22.41	22.34		
40	QPSK	1	1	22.44	22.50	22.47		
40	QPSK	1	53	22.94	23.14	22.99	23.5	0.0
40	QPSK	1	104	22.53	22.66	22.58		
40	QPSK	50	0	22.22	22.30	22.18	22.5	1.0
40	QPSK	50	26	23.07	23.10	23.09	23.5	0.0
40	QPSK	50	56	22.17	22.23	22.11	22.5	1.0
40	QPSK	100	0	22.08	22.09	22.02		
40	16QAM	1	1	21.33	21.46	21.38		
40	64QAM	1	1	19.90	19.97	19.88	21.0	2.5
40	256QAM	1	1	18.45	18.51	18.40	19.0	4.5
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	39	23.11	23.21	23.13	23.5	0.0
Channel				344000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1722.5 <th>1745</th> <th>1767.5</th> <th>(dBm)</th> <th>(dB)</th>	1745	1767.5	(dBm)	(dB)
25	QPSK	1	32	23.09	23.23	23.16	23.5	0.0
Channel				343000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	26	23.12	23.20	23.19	23.5	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5 <th>1745</th> <th>1772.5</th> <th>(dBm)</th> <th>(dB)</th>	1745	1772.5	(dBm)	(dB)
15	QPSK	1	19	23.17	23.17	23.15	23.5	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715 <th>1745</th> <th>1775</th> <th>(dBm)</th> <th>(dB)</th>	1745	1775	(dBm)	(dB)
10	QPSK	1	12	23.19	23.22	23.19	23.5	0.0

n38_SA&NSA Ant4 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	19.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	17.64	17.74	17.68			
40	PI/2 BPSK	1	53	18.30	18.40	18.24	19.5	0.0	
40	PI/2 BPSK	1	104	17.95	18.08	17.94			
40	PI/2 BPSK	50	0	18.25	18.36	18.28			
40	PI/2 BPSK	50	28	18.38	18.47	18.35	19.5	0.0	
40	PI/2 BPSK	50	56	18.25	18.36	18.30	19.5	0.0	
40	PI/2 BPSK	100	0	18.22	18.38	18.28			
40	QPSK	1	1	18.47	18.45	18.42			
40	QPSK	1	53	18.29	18.48	18.23	19.5	0.0	
40	QPSK	1	104	17.92	18.01	17.88			
40	QPSK	50	0	18.14	18.26	18.16			
40	QPSK	50	28	18.38	18.47	18.42	19.5	0.0	
40	QPSK	50	56	18.10	18.25	18.10	19.5	0.0	
40	QPSK	100	0	18.24	18.35	18.20			
40	16QAM	1	1	18.23	18.42	18.33			
40	64QAM	1	1	18.32	18.40	18.32	19.5	0.0	
40	256QAM	1	1	18.23	18.28	18.20	19.5	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2590	2595	2610	(dBm)	(dB)	
20	QPSK	1	26	18.26	18.37	18.29	19.5	0.0	
Channel				515502	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	19	18.30	18.40	18.36	19.5	0.0	
Channel				515004	519000	522996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	12	18.28	18.33	18.35	19.5	0.0	

n41_SA&NSA Ant4 PC3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.03	17.11	16.98	19.5	0.0	
100	PI/2 BPSK	1	137	18.16	18.32	18.23			
100	PI/2 BPSK	1	271	17.91	18.04	17.91			
100	PI/2 BPSK	135	0	17.84	17.96	17.81	19.5	0.0	
100	PI/2 BPSK	135	69	18.12	18.27	18.14	19.5	0.0	
100	PI/2 BPSK	135	138	18.16	18.26	18.14	19.5	0.0	
100	PI/2 BPSK	270	0	18.08	18.13	18.01			
100	QPSK	1	1	18.34	18.48	18.36			
100	QPSK	1	137	18.35	18.49	18.24	19.5	0.0	
100	QPSK	1	271	17.97	18.05	17.99			
100	QPSK	135	0	17.81	17.95	17.91			
100	QPSK	135	69	18.42	18.46	18.32	19.5	0.0	
100	QPSK	135	138	18.01	18.16	18.02	18.5	1.0	
100	QPSK	270	0	18.01	18.10	17.99			
100	16QAM	1	1	16.72	16.88	16.83			
100	64QAM	1	1	16.83	16.94	16.88	19.5	0.0	
100	256QAM	1	1	17.39	17.48	17.38	19.5	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	19.5	0.0	
90	QPSK	1	123	17.88	18.05	17.90	19.5	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	19.5	0.0	
80	QPSK	1	109	17.94	17.95	17.88	19.5	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	19.5	0.0	
60	QPSK	1	81	17.86	17.99	17.91	19.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	19.5	0.0	
50	QPSK	1	67	17.91	18.00	17.91	19.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	19.5	0.0	
40	QPSK	1	53	17.89	18.02	17.85	19.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	19.5	0.0	
30	QPSK	1	39	17.95	18.01	17.93	19.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	19.5	0.0	
20	QPSK	1	26	17.94	17.97	17.85	19.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	19.5	0.0	
15	QPSK	1	19	17.97	17.98	17.89	19.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	19.5	0.0	
10	QPSK	1	12	17.91	17.98	17.85	19.5	0.0	

Part270 n77_NSA Ant5 PC2&3 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	20.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	18.48	18.56	18.42			
100	PI/2 BPSK	1	137	19.55	19.68	19.58			
100	PI/2 BPSK	1	271	18.66	18.76	18.62	20.0	0.0	
100	PI/2 BPSK	135	0	19.45	19.59	19.52			
100	PI/2 BPSK	135	69	19.74	19.52	19.67			
100	PI/2 BPSK	135	138	19.45	19.58	19.42			
100	PI/2 BPSK	270	0	19.50	19.61	19.53	20.0	0.0	
100	QPSK	1	1	19.16	19.06	19.24			
100	QPSK	1	137	19.66	19.76	19.60	20.0	0.0	
100	QPSK	1	271	18.67	18.78	18.65			
100	QPSK	135	0	19.45	19.52	19.42			
100	QPSK	135	69	19.41	19.56	19.45			
100	QPSK	135	138	19.32	19.47	19.41	20.0	0.0	
100	QPSK	270	0	19.50	19.54	19.42			
100	16QAM	1	1	18.19	18.34	18.21	20.0	0.0	
100	64QAM	1	1	18.32	18.37	18.26	20.0	0.0	
100	256QAM	1	1	18.91	18.98	18.83	20.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	20.0	0.0	
90	QPSK	1	123	19.71	19.74	19.67	20.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	20.0	0.0	
80	QPSK	1	109	19.06	19.09	19.98	20.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	20.0	0.0	
70	QPSK	1	95	19.67	19.74	19.62	20.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	20.0	0.0	
60	QPSK	1	81	19.67	19.58	19.60	20.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	20.0	0.0	
50	QPSK	1	67	19.65	19.73	19.62	20.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	20.0	0.0	
40	QPSK	1	53	19.61	19.71	19.59	20.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	20.0	0.0	
20	QPSK	1	26	19.66	19.74	19.58	20.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	20.0	0.0	
15	QPSK	1	19	19.64	19.75	19.64	20.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	20.0	0.0	
10	QPSK	1	12	19.70	19.76	19.63	20.0	0.0	

Par27Q n77_NSA Ant5 PC2&3 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		18.22		20.0		0.0
100	PI/2 BPSK	1	137		19.18				
100	PI/2 BPSK	1	271		18.21				
100	PI/2 BPSK	135	0		19.05				
100	PI/2 BPSK	135	69		19.18		20.0		0.0
100	PI/2 BPSK	135	138		19.09		20.0		0.0
100	PI/2 BPSK	270	0		19.00				
100	QPSK	1	1		19.37		20.0		0.0
100	QPSK	1	137		19.14				
100	QPSK	1	271		18.27				
100	QPSK	135	0		19.01				
100	QPSK	135	69		19.23		20.0		0.0
100	QPSK	135	138		19.11		20.0		0.0
100	QPSK	270	0		19.03				
100	16QAM	1	1		18.03		20.0		0.0
100	64QAM	1	1		18.01		20.0		0.0
100	256QAM	1	1		18.59		20.0		0.0
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	20.0	0.0	
90	QPSK	1	123	19.11	19.10	18.99	20.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	20.0	0.0	
80	QPSK	1	109	19.05	19.13	18.97	20.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	20.0	0.0	
70	QPSK	1	95	19.05	19.09	19.06	20.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	20.0	0.0	
60	QPSK	1	81	19.13	19.12	19.00	20.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	20.0	0.0	
50	QPSK	1	67	19.11	19.10	19.00	20.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	20.0	0.0	
40	QPSK	1	53	19.05	19.14	19.04	20.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	20.0	0.0	
20	QPSK	1	26	19.14	19.18	18.96	20.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	20.0	0.0	
15	QPSK	1	19	19.07	19.13	19.08	20.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	20.0	0.0	
10	QPSK	1	12	19.14	19.09	18.98	20.0	0.0	

Part27O n78_NSA Ant5 PC2&3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		18.32		20.0	0.0	
100	PI/2 BPSK	1	137		19.28				
100	PI/2 BPSK	1	271		18.63				
100	PI/2 BPSK	135	0		19.13		20.0	0.0	
100	PI/2 BPSK	135	69		19.24		20.0	0.0	
100	PI/2 BPSK	135	138		19.33		20.0	0.0	
100	PI/2 BPSK	270	0		19.24				
100	QPSK	1	1		19.43		20.0	0.0	
100	QPSK	1	137		19.44				
100	QPSK	1	271		18.59				
100	QPSK	135	0		19.18		20.0	0.0	
100	QPSK	135	69		19.44		20.0	0.0	
100	QPSK	135	138		19.29		20.0	0.0	
100	QPSK	270	0		19.21				
100	16QAM	1	1		18.01		20.0	0.0	
100	64QAM	1	1		18.08		20.0	0.0	
100	256QAM	1	1		18.63		20.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	20.0	0.0	
90	QPSK	1	123		19.35	19.37	19.26	20.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	20.0	0.0	
80	QPSK	1	109		19.30	19.45	19.29	20.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	20.0	0.0	
70	QPSK	1	95		19.37	19.46	19.26	20.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	20.0	0.0	
60	QPSK	1	81		19.41	19.35	19.26	20.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	20.0	0.0	
50	QPSK	1	67		19.36	19.39	19.32	20.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	20.0	0.0	
40	QPSK	1	53		19.37	19.45	19.23	20.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	20.0	0.0	
20	QPSK	1	26		19.42	19.40	19.29	20.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.62	3750	3792.51	20.0	0.0	
15	QPSK	1	19		19.36	19.38	19.27	20.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	20.0	0.0	
10	QPSK	1	12		19.39	19.41	19.26	20.0	

Par27Q n78_NSA Ant5 PC2&3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			20.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	18.35					
100	PI/2 BPSK	1	137	19.37					
100	PI/2 BPSK	1	271	18.51			20.0	0.0	
100	PI/2 BPSK	135	0	19.24					
100	PI/2 BPSK	135	69	19.42					
100	PI/2 BPSK	135	138	19.31					
100	PI/2 BPSK	270	0	19.25			20.0	0.0	
100	QPSK	1	1	19.30					
100	QPSK	1	137	19.33					
100	QPSK	1	271	18.48					
100	QPSK	135	0	19.29			20.0	0.0	
100	QPSK	135	69	19.46					
100	QPSK	135	138	19.32					
100	QPSK	270	0	19.25					
100	16QAM	1	1	18.13			20.0	0.0	
100	64QAM	1	1	18.16					
100	256QAM	1	1	18.76					
Channel				633000	633334	633666			
Frequency (MHz)				3495	3500.01	3504.99	20.0	0.0	
90	QPSK	1	123	19.12	19.19	19.08	20.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	20.0	0.0	
80	QPSK	1	109	19.13	19.27	19.12	20.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	20.0	0.0	
70	QPSK	1	95	19.21	19.26	19.13	20.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	20.0	0.0	
60	QPSK	1	81	19.18	19.21	19.08	20.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	20.0	0.0	
50	QPSK	1	67	19.14	19.23	19.08	20.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	20.0	0.0	
40	QPSK	1	53	19.12	19.17	19.12	20.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	20.0	0.0	
20	QPSK	1	26	19.23	19.16	19.08	20.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	20.0	0.0	
15	QPSK	1	19	19.24	19.24	19.08	20.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	20.0	0.0	
10	QPSK	1	12	19.24	19.23	19.09	20.0	0.0	

Part270 n77_NSA Ant8 PC3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	23.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	20.40	20.44	20.38	23.0	0.0	
100	PI/2 BPSK	1	137	21.53	21.48	21.52			
100	PI/2 BPSK	1	271	20.51	20.55	20.42			
100	PI/2 BPSK	135	0	21.27	21.38	21.34			
100	PI/2 BPSK	135	69	21.49	21.44	21.52			
100	PI/2 BPSK	135	138	21.38	21.46	21.40	23.0	0.0	
100	PI/2 BPSK	270	0	21.38	21.44	21.35			
100	QPSK	1	1	20.48	20.49	20.62	23.0	0.0	
100	QPSK	1	137	21.56	21.57	21.39			
100	QPSK	1	271	20.56	20.62	20.53			
100	QPSK	135	0	21.41	21.46	21.35		23.0	
100	QPSK	135	69	21.48	21.53	21.62			
100	QPSK	135	138	21.48	21.41	21.33	23.0	0.0	
100	QPSK	270	0	21.44	21.48	21.47			
100	16QAM	1	1	21.17	21.22	21.18	23.0	0.0	
100	64QAM	1	1	21.23	21.28	21.14	23.0	0.0	
100	256QAM	1	1	19.82	19.86	19.81	21.5	1.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	21.21	21.17	21.36	23.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	21.20	21.24	21.30	23.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	95	21.17	21.23	21.29	23.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	21.14	21.19	21.37	23.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	21.20	21.25	21.37	23.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	21.24	21.24	21.35	23.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	21.18	21.25	21.30	23.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	21.16	21.25	21.39	23.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	21.23	21.14	21.33	23.0	0.0	

Par27Q n77_NSA Ant8 PC3 DS14											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				633334		3500.01	23.0	0.0			
Frequency (MHz)											
100	PI/2 BPSK	1	1	20.30		23.0	0.0				
100	PI/2 BPSK	1	137	21.25							
100	PI/2 BPSK	1	271	20.26							
100	PI/2 BPSK	135	0	21.14							
100	PI/2 BPSK	135	69	21.28							
100	PI/2 BPSK	135	138	21.17		23.0	0.0				
100	PI/2 BPSK	270	0	21.12							
100	QPSK	1	1	20.36		23.0	0.0				
100	QPSK	1	137	21.49							
100	QPSK	1	271	20.34							
100	QPSK	135	0	21.15							
100	QPSK	135	69	21.38							
100	QPSK	135	138	21.20		23.0	0.0				
100	QPSK	270	0	21.16							
100	16QAM	1	1	21.10		23.0	0.0				
100	64QAM	1	1	21.18		23.0	0.0				
100	256QAM	1	1	19.87		21.5	1.5				
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3495	3500.01	3504.99					
90	QPSK	1	123	21.14	21.12	21.18	23.0	0.0			
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3490.02	3500.01	3510					
80	QPSK	1	109	21.08	21.11	21.08	23.0	0.0			
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3485.01	3500.01	3514.98					
70	QPSK	1	95	21.28	21.30	21.33	23.0	0.0			
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3480	3500.01	3519.99					
60	QPSK	1	81	21.33	21.33	21.32	23.0	0.0			
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3475.02	3500.01	3525					
50	QPSK	1	67	21.34	21.30	21.35	23.0	0.0			
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3470.01	3500.01	3529.98					
40	QPSK	1	53	21.31	21.34	21.34	23.0	0.0			
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3460.02	3500.01	3540					
20	QPSK	1	26	21.34	21.32	21.37	23.0	0.0			
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3457.5	3500.01	3542.49					
15	QPSK	1	19	21.27	21.30	21.29	23.0	0.0			
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				3455.01	3500.01	3544.98					
10	QPSK	1	12	21.29	21.31	21.35	23.0	0.0			

Part270 n78_NSA Ant8 PC3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		20.41		23.0	0.0	
100	PI/2 BPSK	1	137		21.37				
100	PI/2 BPSK	1	271		20.76				
100	PI/2 BPSK	135	0		21.32				
100	PI/2 BPSK	135	69		21.41		23.0	0.0	
100	PI/2 BPSK	135	138		21.42		23.0	0.0	
100	PI/2 BPSK	270	0		21.31				
100	QPSK	1	1		20.37		23.0	0.0	
100	QPSK	1	137		21.45				
100	QPSK	1	271		20.72				
100	QPSK	135	0		21.25				
100	QPSK	135	69		21.39		23.0	0.0	
100	QPSK	135	138		21.38		23.0	0.0	
100	QPSK	270	0		21.37				
100	16QAM	1	1		21.25		23.0	0.0	
100	64QAM	1	1		21.29		23.0	0.0	
100	256QAM	1	1		19.93		21.5	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		21.14	21.27	21.09	23.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		21.20	21.24	21.10	23.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95		21.13	21.16	21.09	23.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		21.13	21.17	21.12	23.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		21.21	21.25	21.09	23.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53		21.17	21.16	21.15	23.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		21.12	21.19	21.14	23.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		21.22	21.18	21.07	23.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		21.21	21.17	21.16	23.0	0.0

Par27Q n78_NSA Ant8 PC3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		20.49		23.0	0.0	
100	PI/2 BPSK	1	137		21.42				
100	PI/2 BPSK	1	271		20.56				
100	PI/2 BPSK	135	0		21.29				
100	PI/2 BPSK	135	69		21.41		23.0	0.0	
100	PI/2 BPSK	135	138		21.29		23.0	0.0	
100	PI/2 BPSK	270	0		21.28				
100	QPSK	1	1		20.45		23.0	0.0	
100	QPSK	1	137		21.47				
100	QPSK	1	271		20.49				
100	QPSK	135	0		21.33				
100	QPSK	135	69		21.45		23.0	0.0	
100	QPSK	135	138		21.33		23.0	0.0	
100	QPSK	270	0		21.32				
100	16QAM	1	1		21.27		23.0	0.0	
100	64QAM	1	1		21.33		23.0	0.0	
100	256QAM	1	1		19.83		21.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123		21.07	21.20	21.10	23.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		21.09	21.09	21.02	23.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95		21.08	21.20	21.02	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81		21.05	21.17	20.99	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		21.16	21.20	21.11	23.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53		21.10	21.15	21.02	23.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		21.05	21.17	21.02	23.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19		21.11	21.20	21.03	23.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12		21.05	21.14	21.06	23.0	0.0

Reduced power level for 5G NR-ENDC
For DFT-30

Part27O n77_NSA Ant3 PC2&3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / E-PC	Power Middle Ch. / E-PC	Power High Ch. / E-PC	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	23.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	21.10	21.15	21.15			
100	PI/2 BPSK	1	137	21.92	21.84	21.82			
100	PI/2 BPSK	1	271	21.09	21.08	21.03	23.0	0.0	
100	PI/2 BPSK	135	0	22.37	22.30	22.07			
100	PI/2 BPSK	135	69	22.02	21.86	22.05			
100	PI/2 BPSK	135	138	22.02	22.20	22.16			
100	PI/2 BPSK	270	0	22.00	22.30	22.15	23.0	0.0	
100	QPSK	1	1	21.04	21.25	21.14			
100	QPSK	1	137	22.54	22.55	22.35			
100	QPSK	1	271	21.10	21.02	21.03			
100	QPSK	135	0	22.29	22.14	22.12	23.0	0.0	
100	QPSK	135	69	22.04	22.43	22.18			
100	QPSK	135	138	22.31	22.48	22.38			
100	QPSK	270	0	21.95	22.48	22.32			
100	16QAM	1	1	22.35	22.28	22.46	23.0	0.0	
100	64QAM	1	1	21.88	21.97	22.06			
100	256QAM	1	1	21.41	21.68	21.49			
Channel				649668	656000	662334	22.5	0.5	
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	22.16	22.28	22.09	23.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	22.25	22.30	22.01	23.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	95	22.13	22.30	22.03	23.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	22.25	22.18	21.97	23.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	22.28	22.29	21.99	23.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	22.27	22.20	22.05	23.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	22.22	22.34	22.14	23.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	22.19	22.17	22.13	23.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	22.16	22.26	22.11	23.0	0.0	

Par27Q n77_NSA Ant3 PC2&3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / E-PC	Power Middle Ch. / E-PC	Power High Ch. / E-PC	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		23.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1	21.14					
100	PI/2 BPSK	1	137	21.46					
100	PI/2 BPSK	1	271	21.04		23.0	0.0		
100	PI/2 BPSK	135	0	21.79					
100	PI/2 BPSK	135	69	22.20					
100	PI/2 BPSK	135	138	22.08					
100	PI/2 BPSK	270	0	22.14		23.0	0.0		
100	QPSK	1	1	21.19					
100	QPSK	1	137	22.22					
100	QPSK	1	271	21.19					
100	QPSK	135	0	21.89		23.0	0.0		
100	QPSK	135	69	22.40					
100	QPSK	135	138	21.90					
100	QPSK	270	0	21.86					
100	16QAM	1	1	21.82		23.0	0.0		
100	64QAM	1	1	22.04					
100	256QAM	1	1	20.70					
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	123	22.03	22.04	22.18	23.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	21.98	22.05	22.15	23.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	95	21.93	22.05	22.27	23.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	21.95	21.99	22.15	23.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	21.90	21.93	22.17	23.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	22.09	22.09	22.22	23.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	22.02	22.08	22.24	23.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	22.07	21.95	22.15	23.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	12	22.13	22.15	22.08	23.0	0.0	

Part270 n78_NSA Ant3 PC2&3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	23.0	0.0	
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		21.01		23.0	0.0	
100	PI/2 BPSK	1	137		21.62				
100	PI/2 BPSK	1	271		21.01				
100	PI/2 BPSK	135	0		22.22				
100	PI/2 BPSK	135	69		21.75		23.0	0.0	
100	PI/2 BPSK	135	138		22.06		23.0	0.0	
100	PI/2 BPSK	270	0		22.21				
100	QPSK	1	1		21.09		23.0	0.0	
100	QPSK	1	137		22.47				
100	QPSK	1	271		21.06				
100	QPSK	135	0		21.89		23.0	0.0	
100	QPSK	135	69		22.23		23.0	0.0	
100	QPSK	135	138		22.44		23.0	0.0	
100	QPSK	270	0		22.42				
100	16QAM	1	1		22.20		23.0	0.0	
100	64QAM	1	1		21.80		23.0	0.0	
100	256QAM	1	1		21.49		22.5	0.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	23.0	0.0	
90	QPSK	1	123		22.11	22.20	22.00	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	23.0	0.0	
80	QPSK	1	109		22.07	22.03	21.07	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	23.0	0.0	
70	QPSK	1	95		21.98	22.08	21.01	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	23.0	0.0	
60	QPSK	1	81		21.94	22.13	21.01	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	23.0	0.0	
50	QPSK	1	67		22.08	22.02	21.99	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	23.0	0.0	
40	QPSK	1	53		22.02	22.10	21.89	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	23.0	0.0	
20	QPSK	1	26		21.95	22.08	21.04	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	23.0	0.0	
15	QPSK	1	19		21.99	22.23	21.03	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	23.0	0.0	
10	QPSK	1	12		21.96	22.15	21.85	0.0	

Par27Q n78_NSA Ant3 PC2&3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel					633334		23.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		21.05		23.0	0.0	
100	PI/2 BPSK	1	137		21.33				
100	PI/2 BPSK	1	271		21.03				
100	PI/2 BPSK	135	0		21.60				
100	PI/2 BPSK	135	69		22.09		23.0	0.0	
100	PI/2 BPSK	135	138		21.92		23.0	0.0	
100	PI/2 BPSK	270	0		21.93				
100	QPSK	1	1		21.04		23.0	0.0	
100	QPSK	1	137		22.27				
100	QPSK	1	271		21.01				
100	QPSK	135	0		21.66		23.0	0.0	
100	QPSK	135	69		21.81		23.0	0.0	
100	QPSK	135	138		21.77		23.0	0.0	
100	QPSK	270	0		21.62				
100	16QAM	1	1		21.61		23.0	0.0	
100	64QAM	1	1		22.00		23.0	0.0	
100	256QAM	1	1		21.46		22.5	0.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	23.0	0.0	
90	QPSK	1	123		21.90	21.85	22.07	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	23.0	0.0	
80	QPSK	1	109		21.85	21.93	21.95	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	23.0	0.0	
70	QPSK	1	95		21.95	21.92	21.95	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	23.0	0.0	
60	QPSK	1	81		21.94	21.79	21.98	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	23.0	0.0	
50	QPSK	1	67		21.89	21.84	21.97	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	23.0	0.0	
40	QPSK	1	53		21.94	21.87	22.00	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	23.0	0.0	
20	QPSK	1	26		21.77	21.96	21.94	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	23.0	0.0	
15	QPSK	1	19		21.81	21.88	22.01	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	23.0	0.0	
10	QPSK	1	12		21.95	21.88	22.01	0.0	

n7_NSA Ant4 DSH1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2510	2535	2560					
20	PI/2 BPSK	1	1	16.12	15.95	16.01	17.0	0.0			
20	PI/2 BPSK	1	26	15.99	16.20	15.98					
20	PI/2 BPSK	1	49	15.87	16.05	15.80					
20	PI/2 BPSK	25	0	15.98	16.05	15.93					
20	PI/2 BPSK	25	13	16.00	16.24	16.03	17.0	0.0			
20	PI/2 BPSK	25	26	16.06	16.05	16.11	17.0	0.0			
20	PI/2 BPSK	50	0	16.09	16.11	16.12					
20	QPSK	1	1	16.21	16.00	16.14					
20	QPSK	1	26	15.92	16.27	15.98		0.0			
20	QPSK	1	49	15.99	15.96	15.90	17.0				
20	QPSK	25	0	16.14	16.17	16.10					
20	QPSK	25	13	16.02	16.14	16.04					
20	QPSK	25	26	16.04	16.13	15.94	17.0	0.0			
20	QPSK	50	0	16.02	16.15	15.94	17.0	0.0			
20	16QAM	1	1	16.12	16.17	16.21					
20	64QAM	1	1	16.07	16.26	16.11					
20	256QAM	1	1	16.21	16.20	16.11		0.0			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	19	15.98	16.00	15.95	17.0	0.0			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	12	16.04	15.97	15.81	17.0	0.0			

n66_NSA Ant4 DS1									
BW [MHz]	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	PI/2 BPSK	1	1	15.45	15.49	15.35	17.0	0.0	
40	PI/2 BPSK	1	53	16.09	16.21	16.10			
40	PI/2 BPSK	1	104	15.63	15.72	15.79			
40	PI/2 BPSK	50	0	15.90	15.81	15.75			
40	PI/2 BPSK	50	28	15.99	16.02	15.95	17.0	0.0	
40	PI/2 BPSK	50	56	15.86	15.87	15.75	17.0	0.0	
40	PI/2 BPSK	100	0	15.87	15.95	15.87			
40	QPSK	1	1	15.56	15.65	15.55			
40	QPSK	1	53	15.96	16.29	16.00			
40	QPSK	1	104	15.62	15.77	15.59	17.0	0.0	
40	QPSK	50	0	15.74	15.76	15.63			
40	QPSK	50	28	16.09	16.16	15.87			
40	QPSK	50	56	15.77	15.82	15.73			
40	QPSK	100	0	15.91	15.99	15.74	17.0	0.0	
40	16QAM	1	1	15.33	15.30	15.12	17.0	0.0	
40	64QAM	1	1	15.15	15.44	15.17	17.0	0.0	
40	256QAM	1	1	14.80	14.97	14.92	16.0	1.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	39	15.99	16.22	16.19	17.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	32	16.09	16.17	16.03	17.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	26	16.09	16.26	16.16	17.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	19	16.22	16.19	16.15	17.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	12	16.15	16.13	16.21	17.0	0.0	

n38_NSA Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	18.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	15.62	15.63	15.69	18.0	0.0	
40	PI/2 BPSK	1	53	15.98	16.10	16.03			
40	PI/2 BPSK	1	104	15.80	15.91	15.78	18.0	0.0	
40	PI/2 BPSK	50	0	16.15	16.25	16.12			
40	PI/2 BPSK	50	28	16.02	16.14	16.01	18.0	0.0	
40	PI/2 BPSK	50	56	16.06	16.18	16.06			
40	PI/2 BPSK	100	0	16.17	16.21	16.13	18.0	0.0	
40	QPSK	1	1	16.19	16.26	16.14			
40	QPSK	1	53	16.20	16.29	16.15	18.0	0.0	
40	QPSK	1	104	15.74	15.87	15.78			
40	QPSK	50	0	16.03	16.17	16.01	18.0	0.0	
40	QPSK	50	28	16.02	16.26	16.05			
40	QPSK	50	56	16.14	16.11	16.11	18.0	0.0	
40	QPSK	100	0	16.03	16.16	16.15			
40	16QAM	1	1	16.15	16.13	16.05	18.0	0.0	
40	64QAM	1	1	16.15	16.01	16.04			
40	256QAM	1	1	15.81	15.92	15.89	17.5	0.5	
Channel				516000	519000	522000	18.0	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	26	16.10	16.03	16.05	18.0	0.0	
Channel				515502	519000	522498	18.0	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	19	16.01	16.09	16.02	18.0	0.0	
Channel				515004	519000	522996	18.0	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	12	16.13	16.07	16.05	18.0	0.0	

n41_NSA Ant4 PC3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	18.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	15.49	15.79	15.57	18.0	0.0	
100	PI/2 BPSK	1	137	16.66	16.67	16.47			
100	PI/2 BPSK	1	271	16.23	16.39	16.32	18.0	0.0	
100	PI/2 BPSK	135	0	16.30	16.40	16.30			
100	PI/2 BPSK	135	69	16.60	16.67	16.61	18.0	0.0	
100	PI/2 BPSK	135	138	16.44	16.61	16.67			
100	PI/2 BPSK	270	0	16.57	16.60	16.52	18.0	0.0	
100	QPSK	1	1	16.53	16.57	16.43			
100	QPSK	1	137	16.65	16.78	16.62	18.0	0.0	
100	QPSK	1	271	16.23	16.45	16.19			
100	QPSK	135	0	16.34	16.57	16.49	18.0	0.0	
100	QPSK	135	69	16.54	16.75	16.59			
100	QPSK	135	138	16.51	16.57	16.60	18.0	0.0	
100	QPSK	270	0	16.49	16.51	16.40			
100	16QAM	1	1	16.35	16.45	16.35	18.0	0.0	
100	64QAM	1	1	16.41	16.51	16.38			
100	256QAM	1	1	15.63	15.49	15.54	17.0	1.0	
Channel				508200	518598	528996	18.0	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	16.36	16.53	16.32	18.0	0.0	
Channel				507204	518598	529998	18.0	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	16.28	16.36	16.43	18.0	0.0	
Channel				505200	518598	531996	18.0	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	16.37	16.53	16.34	18.0	0.0	
Channel				504204	518598	532998	18.0	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	16.51	16.62	16.41	18.0	0.0	
Channel				503202	518598	534000	18.0	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	16.32	16.55	16.40	18.0	0.0	
Channel				502200	518598	534996	18.0	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	16.36	16.50	16.29	18.0	0.0	
Channel				501204	518598	535998	18.0	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	16.33	16.55	16.53	18.0	0.0	
Channel				500700	518598	536496	18.0	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	19	16.50	16.56	16.40	18.0	0.0	
Channel				500202	518598	537000	18.0	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	16.42	16.40	16.47	18.0	0.0	

Part270 n77_NSA Ant5 PC2&3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.09	15.37	15.03			
100	PI/2 BPSK	1	137	16.27	16.39	16.22	17.0	0.0	
100	PI/2 BPSK	1	271	15.26	15.53	15.32			
100	PI/2 BPSK	135	0	16.08	16.32	16.26			
100	PI/2 BPSK	135	69	16.43	16.15	16.39	17.0	0.0	
100	PI/2 BPSK	135	138	16.23	16.20	16.13	17.0	0.0	
100	PI/2 BPSK	270	0	16.20	16.36	16.34			
100	QPSK	1	1	15.90	15.69	15.89	17.0	0.0	
100	QPSK	1	137	16.46	16.72	16.41			
100	QPSK	1	271	15.28	15.54	15.33			
100	QPSK	135	0	16.19	16.14	16.23			
100	QPSK	135	69	16.17	16.55	16.19	17.0	0.0	
100	QPSK	135	138	15.94	16.27	16.01	17.0	0.0	
100	QPSK	270	0	16.11	16.30	16.13			
100	16QAM	1	1	14.99	15.06	14.96	17.0	0.0	
100	64QAM	1	1	14.98	15.14	14.96	17.0	0.0	
100	256QAM	1	1	15.58	15.61	15.51	17.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	17.0	0.0	
90	QPSK	1	123	16.34	16.44	16.36	17.0	0.0	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	16.32	16.43	16.43	17.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	17.0	0.0	
70	QPSK	1	95	16.34	16.34	16.43	17.0	0.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	16.47	16.34	16.33	17.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	17.0	0.0	
50	QPSK	1	67	16.30	16.51	16.46	17.0	0.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	16.38	16.47	16.38	17.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	17.0	0.0	
20	QPSK	1	26	16.47	16.51	16.43	17.0	0.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	16.38	16.49	16.43	17.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	17.0	0.0	
10	QPSK	1	12	16.34	16.51	16.48	17.0	0.0	

Par27Q n77_NSA Ant5 PC2&3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		15.06		17.0	0.0	
100	PI/2 BPSK	1	137		15.90				
100	PI/2 BPSK	1	271		15.02				
100	PI/2 BPSK	135	0		15.71				
100	PI/2 BPSK	135	69		15.90		17.0	0.0	
100	PI/2 BPSK	135	138		15.69		17.0	0.0	
100	PI/2 BPSK	270	0		15.59				
100	QPSK	1	1		16.00		17.0	0.0	
100	QPSK	1	137		16.58				
100	QPSK	1	271		15.09				
100	QPSK	135	0		15.67				
100	QPSK	135	69		16.33		17.0	0.0	
100	QPSK	135	138		15.75		17.0	0.0	
100	QPSK	270	0		15.69				
100	16QAM	1	1		15.73		17.0	0.0	
100	64QAM	1	1		15.19		17.0	0.0	
100	256QAM	1	1		15.21		17.0	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	17.0	0.0	
90	QPSK	1	123	15.90	15.75	15.67	17.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	15.80	15.78	15.62	17.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	17.0	0.0	
70	QPSK	1	95	15.89	15.85	15.72	17.0	0.0	
Channel				632000	633334	634666			
Frequency (MHz)				3480	3500.01	3519.99	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	15.83	15.88	15.64	17.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	17.0	0.0	
50	QPSK	1	67	15.74	15.82	15.76	17.0	0.0	
Channel				631334	633334	635332			
Frequency (MHz)				3470.01	3500.01	3529.98	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	15.84	15.81	15.72	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	17.0	0.0	
20	QPSK	1	26	15.75	15.86	15.80	17.0	0.0	
Channel				630500	633334	636166			
Frequency (MHz)				3457.5	3500.01	3542.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	19	15.87	15.84	15.70	17.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	17.0	0.0	
10	QPSK	1	12	15.91	15.90	15.64	17.0	0.0	

Part270 n78_NSA Ant5 PC2&3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		15.24		17.0		0.0
100	PI/2 BPSK	1	137		15.79				
100	PI/2 BPSK	1	271		15.22				
100	PI/2 BPSK	135	0		15.72				
100	PI/2 BPSK	135	69		15.87		17.0		0.0
100	PI/2 BPSK	135	138		15.98		17.0		0.0
100	PI/2 BPSK	270	0		15.88				
100	QPSK	1	1		15.99		17.0		0.0
100	QPSK	1	137		16.23				
100	QPSK	1	271		15.08				
100	QPSK	135	0		15.84				
100	QPSK	135	69		16.09		17.0		0.0
100	QPSK	135	138		15.80		17.0		0.0
100	QPSK	270	0		15.68				
100	16QAM	1	1		15.57		17.0		0.0
100	64QAM	1	1		15.62		17.0		0.0
100	256QAM	1	1		15.14		17.0		0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123	15.90	15.91	15.82	17.0		0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109	15.85	15.85	15.79	17.0		0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95	15.89	15.97	15.77	17.0		0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81	15.89	15.87	15.77	17.0		0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67	15.83	16.00	15.84	17.0		0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53	15.86	15.97	15.74	17.0		0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26	15.84	15.98	15.75	17.0		0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19	16.01	15.91	15.89	17.0		0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12	15.90	15.94	15.90	17.0		0.0

Par27Q n78_NSA Ant5 PC2&3 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		15.04		17.0	0.0	
100	PI/2 BPSK	1	137		15.92				
100	PI/2 BPSK	1	271		15.08				
100	PI/2 BPSK	135	0		15.73				
100	PI/2 BPSK	135	69		15.95		17.0	0.0	
100	PI/2 BPSK	135	138		15.94		17.0	0.0	
100	PI/2 BPSK	270	0		15.75				
100	QPSK	1	1		15.87		17.0	0.0	
100	QPSK	1	137		16.02				
100	QPSK	1	271		15.16				
100	QPSK	135	0		15.90				
100	QPSK	135	69		15.96		17.0	0.0	
100	QPSK	135	138		15.81		17.0	0.0	
100	QPSK	270	0		15.90				
100	16QAM	1	1		15.41		17.0	0.0	
100	64QAM	1	1		15.20		17.0	0.0	
100	256QAM	1	1		15.36		17.0	0.0	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	15.82	15.78	15.82	17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	15.77	15.97	15.78	17.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	15.75	15.79	15.71	17.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	15.82	15.80	15.82	17.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	15.86	15.87	15.68	17.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	15.74	15.91	15.80	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	15.80	15.86	15.74	17.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	15.84	15.91	15.83	17.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	15.74	15.84	15.76	17.0	0.0	

n7_NSA Ant0 DSI2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	17.21	17.36	17.22	18.5	0.0
20	PI/2 BPSK	1	26	17.18	17.29	17.27		
20	PI/2 BPSK	1	49	17.23	17.29	17.16		
20	PI/2 BPSK	25	0	16.76	16.93	16.74		
20	PI/2 BPSK	25	13	17.30	17.33	17.23	18.5	0.0
20	PI/2 BPSK	25	26	16.79	16.89	16.73	18.5	0.0
20	PI/2 BPSK	50	0	16.87	16.88	16.74		
20	QPSK	1	1	17.44	17.55	17.49	18.5	0.0
20	QPSK	1	26	17.45	17.63	17.51		
20	QPSK	1	49	17.17	17.33	17.14		
20	QPSK	25	0	17.26	17.33	17.27		
20	QPSK	25	13	17.53	17.54	17.46	18.5	0.0
20	QPSK	25	26	17.35	17.37	17.19	18.5	0.0
20	QPSK	50	0	17.44	17.51	17.50		
20	16QAM	1	1	17.06	17.22	17.11	18.5	0.0
20	64QAM	1	1	17.29	17.34	17.32	18.5	0.0
20	256QAM	1	1	17.02	17.11	17.04	18.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	17.28	17.34	17.27	18.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	17.28	17.31	17.20	18.5	0.0

n38_NSA Ant0 DS12										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				518004	519000	519996	19.5	0.0		
Frequency (MHz)				2590.02	2595	2599.98				
40	PI/2 BPSK	1	1	17.41	17.47	17.47	19.5	0.0		
40	PI/2 BPSK	1	53	17.98	18.13	17.96				
40	PI/2 BPSK	1	104	17.56	17.64	17.54				
40	PI/2 BPSK	50	0	17.35	17.53	17.35				
40	PI/2 BPSK	50	28	17.91	18.01	17.96				
40	PI/2 BPSK	50	56	17.47	17.62	17.48	19.5	0.0		
40	PI/2 BPSK	100	0	17.62	17.70	17.66				
40	QPSK	1	1	17.87	17.88	17.86				
40	QPSK	1	53	18.16	18.20	18.17				
40	QPSK	1	104	17.44	17.52	17.50				
40	QPSK	50	0	18.30	18.31	18.25	19.5	0.0		
40	QPSK	50	28	18.21	18.20	18.14				
40	QPSK	50	56	18.15	18.28	18.27				
40	QPSK	100	0	18.25	18.32	18.25				
40	16QAM	1	1	18.18	18.29	18.11				
40	64QAM	1	1	18.21	18.25	18.11	19.5	0.0		
40	256QAM	1	1	18.13	18.29	18.18				
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	26	18.09	18.11	18.13	19.5	0.0		
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.51	2595	2612.49				
15	QPSK	1	19	18.16	18.13	18.17	19.5	0.0		
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575.02	2595	2614.98				
10	QPSK	1	12	18.10	18.20	18.10	19.5	0.0		

n41_NSA Ant0 PC2&3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.63	17.83	17.71	19.5		0.0
100	PI/2 BPSK	1	137	17.80	17.95	17.83			
100	PI/2 BPSK	1	271	17.58	17.63	17.54			
100	PI/2 BPSK	135	0	17.97	18.05	18.00			
100	PI/2 BPSK	135	69	17.90	18.03	18.01			
100	PI/2 BPSK	135	138	17.92	18.08	18.01	19.5		0.0
100	PI/2 BPSK	270	0	17.96	18.10	17.96	19.5		0.0
100	QPSK	1	1	17.73	17.98	17.85	19.5		0.0
100	QPSK	1	137	18.14	18.21	18.15			
100	QPSK	1	271	17.89	17.60	18.02			
100	QPSK	135	0	17.91	17.96	17.86			
100	QPSK	135	69	18.01	18.11	18.03			
100	QPSK	135	138	17.76	17.74	17.63	19.5		0.0
100	QPSK	270	0	17.76	17.88	17.62	19.5		0.0
100	16QAM	1	1	17.64	17.66	17.62	19.5		0.0
100	64QAM	1	1	17.67	17.74	17.64	19.5		0.0
100	256QAM	1	1	17.52	17.55	17.65	19.5		0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	123	17.86	17.88	17.83	19.5		0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	109	17.85	17.87	17.81	19.5		0.0
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	81	17.86	17.91	17.79	19.5		0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	67	17.90	17.93	17.83	19.5		0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	53	17.81	17.91	17.79	19.5		0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	39	17.80	17.86	17.84	19.5		0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	26	17.87	17.89	17.77	19.5		0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	19	17.82	17.90	17.78	19.5		0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	12	17.82	17.85	17.83	19.5		0.0

n77_NSA Ant1 PC3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	19.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	16.39	16.53	16.48	19.0	0.0	
100	PI/2 BPSK	1	137	17.66	17.72	17.71			
100	PI/2 BPSK	1	271	16.69	16.72	16.52			
100	PI/2 BPSK	135	0	17.74	17.68	17.69			
100	PI/2 BPSK	135	69	17.59	17.63	17.55	19.0	0.0	
100	PI/2 BPSK	135	138	17.68	17.65	17.68	19.0	0.0	
100	PI/2 BPSK	270	0	17.63	17.68	17.71			
100	QPSK	1	1	16.63	16.66	16.62	19.0	0.0	
100	QPSK	1	137	17.64	17.78	17.66			
100	QPSK	1	271	16.63	16.84	16.53			
100	QPSK	135	0	17.26	17.27	17.15			
100	QPSK	135	69	17.66	17.67	17.55	19.0	0.0	
100	QPSK	135	138	17.34	17.30	17.14	19.0	0.0	
100	QPSK	270	0	17.36	17.55	17.32			
100	16QAM	1	1	16.50	16.56	16.34	19.0	0.0	
100	64QAM	1	1	16.53	16.65	16.39	19.0	0.0	
100	256QAM	1	1	16.21	16.22	16.17	18.5	0.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	19.0	0.0	
90	QPSK	1	123	17.20	17.35	17.22	19.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	19.0	0.0	
80	QPSK	1	109	17.09	17.24	17.14	19.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	19.0	0.0	
70	QPSK	1	95	17.22	17.23	17.17	19.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	19.0	0.0	
60	QPSK	1	81	17.12	17.39	17.21	19.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	19.0	0.0	
50	QPSK	1	67	17.21	17.19	17.10	19.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	19.0	0.0	
40	QPSK	1	53	17.19	17.37	17.08	19.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	19.0	0.0	
20	QPSK	1	26	17.12	17.22	17.18	19.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	19.0	0.0	
15	QPSK	1	19	17.11	17.28	17.22	19.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	19.0	0.0	
10	QPSK	1	12	17.16	17.19	17.18	19.0	0.0	

Par27Q n77_NSA Ant1 PC3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01	19.0	0.0	
Frequency (MHz)				633334					
100	PI/2 BPSK	1	1	16.08					
100	PI/2 BPSK	1	137	17.25					
100	PI/2 BPSK	1	271	16.36					
100	PI/2 BPSK	135	0	17.52					
100	PI/2 BPSK	135	69	17.26					
100	PI/2 BPSK	135	138	17.75					
100	PI/2 BPSK	270	0	17.59					
100	QPSK	1	1	16.31					
100	QPSK	1	137	17.53					
100	QPSK	1	271	16.42					
100	QPSK	135	0	17.13					
100	QPSK	135	69	17.41					
100	QPSK	135	138	17.21					
100	QPSK	270	0	17.22					
100	16QAM	1	1	16.17					
100	64QAM	1	1	16.13					
100	256QAM	1	1	16.01					
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	19.0	0.0	
90	QPSK	1	123	17.09	17.13	17.18	19.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	19.0	0.0	
80	QPSK	1	109	17.10	17.06	17.08	19.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98	19.0	0.0	
70	QPSK	1	95	17.06	17.18	17.23	19.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99	19.0	0.0	
60	QPSK	1	81	17.03	17.16	17.16	19.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	19.0	0.0	
50	QPSK	1	67	17.04	17.17	17.17	19.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98	19.0	0.0	
40	QPSK	1	53	17.05	17.07	17.16	19.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	19.0	0.0	
20	QPSK	1	26	17.04	17.15	17.24	19.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49	19.0	0.0	
15	QPSK	1	19	17.05	17.05	17.25	19.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98	19.0	0.0	
10	QPSK	1	12	17.08	17.10	17.17	19.0	0.0	

n78_NSA Ant1 PC3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		16.49		19.0	0.0	
100	PI/2 BPSK	1	137		17.47				
100	PI/2 BPSK	1	271		17.15				
100	PI/2 BPSK	135	0		17.30		19.0	0.0	
100	PI/2 BPSK	135	69		17.57		19.0	0.0	
100	PI/2 BPSK	135	138		17.43		19.0	0.0	
100	PI/2 BPSK	270	0		17.30				
100	QPSK	1	1		17.62				
100	QPSK	1	137		17.66		19.0	0.0	
100	QPSK	1	271		17.36				
100	QPSK	135	0		17.36		19.0	0.0	
100	QPSK	135	69		17.50		19.0	0.0	
100	QPSK	135	138		17.43		19.0	0.0	
100	QPSK	270	0		17.31				
100	16QAM	1	1		17.30		19.0	0.0	
100	64QAM	1	1		17.34		19.0	0.0	
100	256QAM	1	1		17.06		18.5	0.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123	17.21	17.14	17.15	19.0	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109	17.14	17.21	17.16	19.0	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95	17.22	17.19	17.18	19.0	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81	17.19	17.17	17.18	19.0	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67	17.17	17.19	17.19	19.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	17.17	17.16	17.23	19.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	17.13	17.18	17.20	19.0	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	17.14	17.14	17.16	19.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	17.14	17.15	17.23	19.0	0.0	

Par27Q n78_NSA Ant1 PC3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		16.53		19.0	0.0	
100	PI/2 BPSK	1	137		17.10				
100	PI/2 BPSK	1	271		16.89				
100	PI/2 BPSK	135	0		17.17		19.0	0.0	
100	PI/2 BPSK	135	69		17.22		19.0	0.0	
100	PI/2 BPSK	135	138		17.16		19.0	0.0	
100	PI/2 BPSK	270	0		17.21				
100	QPSK	1	1		16.41				
100	QPSK	1	137		17.28		19.0	0.0	
100	QPSK	1	271		16.49				
100	QPSK	135	0		17.19		19.0	0.0	
100	QPSK	135	69		17.27		19.0	0.0	
100	QPSK	135	138		17.19		19.0	0.0	
100	QPSK	270	0		17.13				
100	16QAM	1	1		17.19		19.0	0.0	
100	64QAM	1	1		17.12		19.0	0.0	
100	256QAM	1	1		17.10		18.5	0.5	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	17.10	17.03	17.07	19.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	17.07	17.09	17.06	19.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	17.12	17.02	17.04	19.0	0.0	
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	17.15	17.10	17.04	19.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	17.12	17.07	17.11	19.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	17.10	17.06	17.05	19.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	17.13	17.00	17.08	19.0	0.0	
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	17.11	17.07	17.12	19.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	17.13	17.05	17.08	19.0	0.0	

n77_NSA Ant5 PC2&3 DS12									
BW [MHz]	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	24.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	23.20	23.23	23.15			
100	PI/2 BPSK	1	137	23.65	23.55	23.61			
100	PI/2 BPSK	1	271	22.90	22.97	22.86			
100	PI/2 BPSK	135	0	23.48	23.61	23.58	24.0	0.0	
100	PI/2 BPSK	135	69	23.58	23.56	23.52	24.0	0.0	
100	PI/2 BPSK	135	138	23.22	23.43	23.38	24.0	0.0	
100	PI/2 BPSK	270	0	23.85	24.04	23.95			
100	QPSK	1	1	22.96	22.97	22.89			
100	QPSK	1	137	23.60	23.72	23.55		24.0	
100	QPSK	1	271	22.58	22.68	22.61			
100	QPSK	135	0	23.52	23.50	23.44			
100	QPSK	135	69	23.57	23.58	23.49			
100	QPSK	135	138	23.34	23.50	23.38	24.0	0.0	
100	QPSK	270	0	23.35	23.45	23.31			
100	16QAM	1	1	22.61	22.79	22.59			
100	64QAM	1	1	22.74	22.78	22.69			
100	256QAM	1	1	21.72	21.80	21.74		22.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	24.0	0.0	
90	QPSK	1	123	22.09	23.00	22.88	24.0	0.0	
Channel				649334	656000	662668			
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	22.08	22.08	22.00		24.0	
Channel				649000	656000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	95	22.07	22.02	22.88		24.0	
Channel				648668	656000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	22.03	22.03	22.03		24.0	
Channel				648334	656000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	22.08	23.02	22.84		24.0	
Channel				648000	656000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	23.00	23.00	22.85		24.0	
Channel				647334	656000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	23.00	22.99	22.87		24.0	
Channel				647168	656000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	22.94	23.01	22.94		24.0	
Channel				647000	656000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	22.95	22.97	22.86		24.0	
Channel									
Frequency (MHz)									
Channel									
Frequency (MHz)									

Par27Q n77_NSA Ant5 PC2&3 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		22.96		24.0	0.0	
100	PI/2 BPSK	1	137		23.16				
100	PI/2 BPSK	1	271		23.04				
100	PI/2 BPSK	135	0		23.22				
100	PI/2 BPSK	135	69		23.04				
100	PI/2 BPSK	135	138		23.15		24.0	0.0	
100	PI/2 BPSK	270	0		23.18				
100	QPSK	1	1		22.93				
100	QPSK	1	137		23.27			24.0	
100	QPSK	1	271		22.94				
100	QPSK	135	0		23.00				
100	QPSK	135	69		23.13				
100	QPSK	135	138		23.06		24.0	0.0	
100	QPSK	270	0		23.03				
100	16QAM	1	1		22.74				
100	64QAM	1	1		22.72				
100	256QAM	1	1		21.98			22.5	
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99	24.0	0.0	
90	QPSK	1	123	22.97	22.99	22.84	24.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	22.92	22.93	22.92		24.0	
Channel				632334	633334	634332			
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	23.00	23.00	22.85		24.0	
Channel				632000	633334	634666			
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	22.92	22.98	22.92		24.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	22.94	22.93	22.88		24.0	
Channel				631334	633334	635332			
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	22.95	22.99	22.88		24.0	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	22.99	22.96	22.92		24.0	
Channel				630500	633334	636166			
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	23.00	23.00	22.86		24.0	
Channel				630334	633334	636332			
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	22.92	22.99	22.86		24.0	
Channel									
Frequency (MHz)									
Channel									
Frequency (MHz)									

n78_NSA Ant5 PC2&3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		23.13		24.0	0.0	
100	PI/2 BPSK	1	137		23.23				
100	PI/2 BPSK	1	271		23.12				
100	PI/2 BPSK	135	0		23.13		24.0	0.0	
100	PI/2 BPSK	135	69		23.27		24.0	0.0	
100	PI/2 BPSK	135	138		23.19		24.0	0.0	
100	PI/2 BPSK	270	0		23.16				
100	QPSK	1	1		23.15		24.0	0.0	
100	QPSK	1	137		23.51				
100	QPSK	1	271		23.21				
100	QPSK	135	0		23.19		24.0	0.0	
100	QPSK	135	69		23.44		24.0	0.0	
100	QPSK	135	138		23.12		24.0	0.0	
100	QPSK	270	0		23.26				
100	16QAM	1	1		23.21		24.0	0.0	
100	64QAM	1	1		23.16		24.0	0.0	
100	256QAM	1	1		21.38		22.5	1.5	
Channel				649688	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		23.26	23.17	24.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		23.17	23.30	24.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95		23.30	23.23	24.0	0.0	
Channel				648688	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		23.19	23.23	24.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		23.25	23.28	24.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53		23.17	23.30	24.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		23.19	23.27	24.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		23.27	23.30	24.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		23.26	23.11	24.0	0.0	

Par27Q n78_NSA Ant5 PC2&3 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		23.14		24.0	0.0	
100	PI/2 BPSK	1	137		23.10				
100	PI/2 BPSK	1	271		23.02				
100	PI/2 BPSK	135	0		23.13				
100	PI/2 BPSK	135	69		23.03		24.0	0.0	
100	PI/2 BPSK	135	138		23.09		24.0	0.0	
100	PI/2 BPSK	270	0		22.95				
100	QPSK	1	1		23.08		24.0	0.0	
100	QPSK	1	137		23.17				
100	QPSK	1	271		23.09				
100	QPSK	135	0		23.06				
100	QPSK	135	69		23.12		24.0	0.0	
100	QPSK	135	138		22.97		24.0	0.0	
100	QPSK	270	0		23.02				
100	16QAM	1	1		22.88		24.0	0.0	
100	64QAM	1	1		22.77		24.0	0.0	
100	256QAM	1	1		21.18		22.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123		22.92	22.88	22.95	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109		22.77	22.75	22.77	24.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95		22.83	22.80	22.86	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81		22.85	22.75	22.92	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		22.83	22.87	22.77	24.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53		22.84	22.83	22.91	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26		22.76	22.92	22.92	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19		22.86	22.94	22.87	24.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12		22.85	22.82	22.77	24.0	0.0

n77_NSA Ant1 PC2&3 DS13&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	19.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	16.46	16.53	16.42			
100	PI/2 BPSK	1	137	17.63	17.83	17.70	19.0	0.0	
100	PI/2 BPSK	1	271	16.64	16.74	16.59			
100	PI/2 BPSK	135	0	17.79	17.85	17.76			
100	PI/2 BPSK	135	69	17.48	17.66	17.49	19.0	0.0	
100	PI/2 BPSK	135	138	17.95	18.01	17.96			
100	PI/2 BPSK	270	0	17.75	17.94	17.65			
100	QPSK	1	1	16.63	16.71	16.64	19.0	0.0	
100	QPSK	1	137	17.81	17.82	17.77			
100	QPSK	1	271	16.78	16.81	16.60			
100	QPSK	135	0	17.62	17.55	17.57	19.0	0.0	
100	QPSK	135	69	17.59	17.67	17.57			
100	QPSK	135	138	17.39	17.50	17.32			
100	QPSK	270	0	17.38	17.61	17.68	19.0	0.0	
100	16QAM	1	1	17.31	17.32	17.16			
100	64QAM	1	1	17.15	17.22	17.02			
100	256QAM	1	1	17.05	17.11	17.08	19.0	0.0	
Channel				649668	656000	662334	19.0	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	123	20.96	21.11	21.09			
Channel				649334	656000	662668	19.0	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	109	20.90	21.08	21.08		0.0	
Channel				649000	656000	663000	19.0	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	95	20.86	21.02	21.05		0.0	
Channel				648668	656000	663334	19.0	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	81	20.95	21.08	21.08		0.0	
Channel				648334	656000	663668	19.0	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	67	20.92	21.10	21.08		0.0	
Channel				648000	656000	664000	19.0	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	53	20.87	21.09	20.99		0.0	
Channel				647334	656000	664668	19.0	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	26	20.88	21.13	20.98		0.0	
Channel				647168	656000	664834	19.0	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	19	20.92	21.04	21.05		0.0	
Channel				647000	656000	665000	19.0	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	12	20.87	21.06	21.06	19.0	0.0	

Par27Q n77_NSA Ant1 PC2&3 DS13&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633666	19.0	0.0	
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI/2 BPSK	1	1	16.06	16.06	16.06			
100	PI/2 BPSK	1	137	17.27	17.27	17.27	19.0	0.0	
100	PI/2 BPSK	1	271	16.40	16.40	16.40			
100	PI/2 BPSK	135	0	16.99	16.99	16.99			
100	PI/2 BPSK	135	69	17.22	17.22	17.22	19.0	0.0	
100	PI/2 BPSK	135	138	17.26	17.26	17.26			
100	PI/2 BPSK	270	0	17.12	17.12	17.12			
100	QPSK	1	1	16.30	16.30	16.30	19.0	0.0	
100	QPSK	1	137	17.44	17.44	17.44			
100	QPSK	1	271	16.42	16.42	16.42			
100	QPSK	135	0	17.03	17.03	17.03	19.0	0.0	
100	QPSK	135	69	17.53	17.53	17.53			
100	QPSK	135	138	17.24	17.24	17.24			
100	QPSK	270	0	17.22	17.22	17.22	19.0	0.0	
100	16QAM	1	1	15.99	15.99	15.99			
100	64QAM	1	1	16.04	16.04	16.04			
100	256QAM	1	1	17.20	17.20	17.20	18.5	0.5	
Channel				633000	633334	633666	19.0	MPR (dB)	
Frequency (MHz)				3496	3500.01	3504.99			
90	QPSK	1	123	17.19	17.21	17.23		0.0	
Channel				632668	633334	634000	19.0	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510			
80	QPSK	1	109	17.23	17.25	17.28		0.0	
Channel				632334	633334	634332	19.0	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	17.20	17.19	17.15		0.0	
Channel				632000	633334	634666	19.0	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	17.10	17.10	17.28		0.0	
Channel				631668	633334	635000	19.0	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	17.22	17.22	17.22		0.0	
Channel				631334	633334	635332	19.0	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	17.15	17.21	17.28		0.0	
Channel				630668	633334	636000	19.0	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	17.23	17.21	17.16		0.0	
Channel				630500	633334	636166	19.0	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	17.15	17.18	17.15		0.0	
Channel				630334	633334	636332	19.0	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	17.15	17.13	17.27	19.0	0.0	

n78_NSA Ant1 PC2&3 DS13&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	16.49			19.0	0.0	
100	PI/2 BPSK	1	137	17.49					
100	PI/2 BPSK	1	271	17.22					
100	PI/2 BPSK	135	0	17.29			19.0	0.0	
100	PI/2 BPSK	135	69	17.51			19.0	0.0	
100	PI/2 BPSK	135	138	17.33			19.0	0.0	
100	PI/2 BPSK	270	0	17.22					
100	QPSK	1	1	17.44					
100	QPSK	1	137	17.52			19.0	0.0	
100	QPSK	1	271	17.32					
100	QPSK	135	0	17.22			19.0	0.0	
100	QPSK	135	69	17.50			19.0	0.0	
100	QPSK	135	138	17.26			19.0	0.0	
100	QPSK	270	0	17.42					
100	16QAM	1	1	17.31			19.0	0.0	
100	64QAM	1	1	17.33			19.0	0.0	
100	256QAM	1	1	17.11			18.5	0.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	123	17.12	17.13	17.25	19.0	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	109	17.19	17.11	17.24	19.0	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	95	17.15	17.07	17.19	19.0	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	81	17.13	17.13	17.27	19.0	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	67	17.12	17.09	17.24	19.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	53	17.13	17.07	17.19	19.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	26	17.12	17.15	17.20	19.0	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	19	17.14	17.06	17.20	19.0	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	12	17.19	17.10	17.25	19.0	0.0	

Par27Q n78_NSA Ant1 PC2&3 DS13&4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1	17.06			19.0	0.0	
100	PI/2 BPSK	1	137	17.11					
100	PI/2 BPSK	1	271	17.11					
100	PI/2 BPSK	135	0	17.25			19.0	0.0	
100	PI/2 BPSK	135	69	17.17			19.0	0.0	
100	PI/2 BPSK	135	138	17.64			19.0	0.0	
100	PI/2 BPSK	270	0	17.26					
100	QPSK	1	1	17.20					
100	QPSK	1	137	17.23			19.0	0.0	
100	QPSK	1	271	17.07					
100	QPSK	135	0	17.12			19.0	0.0	
100	QPSK	135	69	17.36			19.0	0.0	
100	QPSK	135	138	17.20			19.0	0.0	
100	QPSK	270	0	17.10					
100	16QAM	1	1	17.05			19.0	0.0	
100	64QAM	1	1	17.14			19.0	0.0	
100	256QAM	1	1	17.15			18.5	0.5	
Channel				633000	633334	633666	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3504.99	(dBm)	(dB)	
90	QPSK	1	123	17.12	17.09	17.14	19.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	17.13	17.09	17.14	19.0	0.0	
Channel				632334	633334	634332	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3514.98	(dBm)	(dB)	
70	QPSK	1	95	17.05	17.10	17.07	19.0	0.0	
Channel				632000	633334	634666	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3519.99	(dBm)	(dB)	
60	QPSK	1	81	17.13	17.10	17.12	19.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	17.15	17.14	17.12	19.0	0.0	
Channel				631334	633334	635332	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3529.98	(dBm)	(dB)	
40	QPSK	1	53	17.13	17.14	17.11	19.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	17.06	17.14	17.11	19.0	0.0	
Channel				630500	633334	636166	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.49	(dBm)	(dB)	
15	QPSK	1	19	17.12	17.09	17.08	19.0	0.0	
Channel				630334	633334	636332	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3544.98	(dBm)	(dB)	
10	QPSK	1	12	17.12	17.12	17.11	19.0	0.0	

n7_NSA Ant2 DSI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	14.11	14.29	14.12	15.5	0.0
20	PI/2 BPSK	1	26	14.27	14.28	14.15		
20	PI/2 BPSK	1	49	14.13	14.25	14.16		
20	PI/2 BPSK	25	0	14.29	14.34	14.25		
20	PI/2 BPSK	25	13	14.21	14.34	14.23	15.5	0.0
20	PI/2 BPSK	25	26	14.21	14.30	14.31	15.0	0.5
20	PI/2 BPSK	50	0	14.29	14.45	14.31		
20	QPSK	1	1	14.06	14.37	14.15	15.5	0.0
20	QPSK	1	26	14.10	14.39	14.24		
20	QPSK	1	49	14.19	14.25	14.22		
20	QPSK	25	0	14.28	14.32	14.26		
20	QPSK	25	13	14.14	14.34	14.22	15.5	0.0
20	QPSK	25	26	14.26	14.31	14.18	15.5	0.0
20	QPSK	50	0	14.09	14.23	14.17		
20	16QAM	1	1	14.25	14.20	14.15	15.5	0.0
20	64QAM	1	1	14.30	14.37	14.32	15.5	0.0
20	256QAM	1	1	14.38	14.44	14.35	15.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	14.22	14.30	14.23	15.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	14.17	14.28	14.25	15.5	0.0

n77_NSA Ant8 PC3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	20.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.37	17.41	17.42			
100	PI/2 BPSK	1	137	18.49	18.53	18.48	20.0	0.0	
100	PI/2 BPSK	1	271	17.55	17.51	17.47			
100	PI/2 BPSK	135	0	18.25	18.40	18.31			
100	PI/2 BPSK	135	69	18.52	18.49	18.48	20.0	0.0	
100	PI/2 BPSK	135	138	18.42	18.48	18.42	20.0	0.0	
100	PI/2 BPSK	270	0	18.37	18.40	18.37			
100	QPSK	1	1	17.47	17.53	17.60	20.0	0.0	
100	QPSK	1	137	18.55	18.56	18.37			
100	QPSK	1	271	17.52	17.65	17.57			
100	QPSK	135	0	18.41	18.45	18.34	20.0	0.0	
100	QPSK	135	69	18.46	18.53	18.48	20.0	0.0	
100	QPSK	135	138	18.43	18.37	18.30	20.0	0.0	
100	QPSK	270	0	18.49	18.51	18.43			
100	16QAM	1	1	18.17	18.17	18.13	20.0	0.0	
100	64QAM	1	1	18.19	18.28	18.12	20.0	0.0	
100	256QAM	1	1	19.82	19.86	19.81	20.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	20.0	0.0	
90	QPSK	1	123	18.28	18.45	18.29	20.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	20.0	0.0	
80	QPSK	1	109	18.29	18.37	18.30	20.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	20.0	0.0	
70	QPSK	1	95	18.22	18.40	18.30	20.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	20.0	0.0	
60	QPSK	1	81	18.23	18.39	18.36	20.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	20.0	0.0	
50	QPSK	1	67	18.23	18.39	18.30	20.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	20.0	0.0	
40	QPSK	1	53	18.26	18.43	18.28	20.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	20.0	0.0	
20	QPSK	1	26	18.24	18.36	18.34	20.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	20.0	0.0	
15	QPSK	1	19	18.20	18.37	18.34	20.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	20.0	0.0	
10	QPSK	1	12	18.28	18.37	18.32	20.0	0.0	

Par27Q n77_NSA Ant8 PC3 DS14								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.27		20.0	0.0
100	PI/2 BPSK	1	137		18.25			
100	PI/2 BPSK	1	271		17.27			
100	PI/2 BPSK	135	0		18.17			
100	PI/2 BPSK	135	69		18.31		20.0	0.0
100	PI/2 BPSK	135	138		18.18		20.0	0.0
100	PI/2 BPSK	270	0		18.08			
100	QPSK	1	1		17.38		20.0	0.0
100	QPSK	1	137		18.52			
100	QPSK	1	271		17.36			
100	QPSK	135	0		18.17			
100	QPSK	135	69		18.31		20.0	0.0
100	QPSK	135	138		18.19		20.0	0.0
100	QPSK	270	0		18.13			
100	16QAM	1	1		18.15		20.0	0.0
100	64QAM	1	1		18.14		20.0	0.0
100	256QAM	1	1		19.87		20.0	0.0
Channel				633000	633334	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3504.99	20.0	0.0
90	QPSK	1	123	18.13	18.09	18.16	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	20.0	0.0
80	QPSK	1	109	18.17	18.11	18.16	20.0	0.0
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3514.98	20.0	0.0
70	QPSK	1	95	18.14	18.14	18.22	20.0	0.0
Channel				632000	633334	634666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3519.99	20.0	0.0
60	QPSK	1	81	18.14	18.12	18.14	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	20.0	0.0
50	QPSK	1	67	18.14	18.12	18.14	20.0	0.0
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3529.98	20.0	0.0
40	QPSK	1	53	18.17	18.11	18.16	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	20.0	0.0
20	QPSK	1	26	18.09	18.13	18.16	20.0	0.0
Channel				630500	633334	636166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.49	20.0	0.0
15	QPSK	1	19	18.13	18.11	18.14	20.0	0.0
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.98	20.0	0.0
10	QPSK	1	12	18.10	18.13	18.21	20.0	0.0

n78_NSA Ant8 PC3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		17.40		20.0	0.0	
100	PI/2 BPSK	1	137		18.37				
100	PI/2 BPSK	1	271		17.71				
100	PI/2 BPSK	135	0		18.32				
100	PI/2 BPSK	135	69		18.36				
100	PI/2 BPSK	135	138		18.38		20.0	0.0	
100	PI/2 BPSK	270	0		18.33		20.0	0.0	
100	QPSK	1	1		17.36				
100	QPSK	1	137		18.44				
100	QPSK	1	271		17.73				
100	QPSK	135	0		18.28		20.0	0.0	
100	QPSK	135	69		18.35		20.0	0.0	
100	QPSK	135	138		18.32		20.0	0.0	
100	QPSK	270	0		18.42				
100	16QAM	1	1		18.30				
100	64QAM	1	1		18.25				
100	256QAM	1	1		17.40		20.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	123		18.14	18.14	18.15	20.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	109		18.08	18.13	18.11	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	95		18.11	18.15	18.12	20.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	81		18.07	18.06	18.13	20.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	67		18.09	18.08	18.06	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	53		18.14	18.10	18.06	20.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	26		18.08	18.15	18.08	20.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	19		18.11	18.07	18.15	20.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	12		18.07	18.08	18.09	20.0	0.0

Par27Q n78_NSA Ant8 PC3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633300	633334				
Frequency (MHz)				3495	3500.01	3504.99			
100	PI/2 BPSK	1	1		17.47		20.0	0.0	
100	PI/2 BPSK	1	137		18.38				
100	PI/2 BPSK	1	271		17.55				
100	PI/2 BPSK	135	0		18.30				
100	PI/2 BPSK	135	69		18.46				
100	PI/2 BPSK	135	138		18.33		20.0	0.0	
100	PI/2 BPSK	270	0		18.25		20.0	0.0	
100	QPSK	1	1		17.48				
100	QPSK	1	137		18.47				
100	QPSK	1	271		17.52				
100	QPSK	135	0		18.22		20.0	0.0	
100	QPSK	135	69		18.28		20.0	0.0	
100	QPSK	135	138		18.04		20.0	0.0	
100	QPSK	270	0		18.05				
100	16QAM	1	1		18.24				
100	64QAM	1	1		18.30				
100	256QAM	1	1		19.83		20.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3504.99			
90	QPSK	1	123	18.09	18.05	18.04	20.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	18.01	18.03	18.10	20.0	0.0	
Channel				632334	633334	634332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3514.98			
70	QPSK	1	95	18.08	18.09	18.08	20.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3519.99			
60	QPSK	1	81	18.07	18.07	18.05	20.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	18.01	18.06	18.03	20.0	0.0	
Channel				631334	633334	635332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3529.98			
40	QPSK	1	53	18.08	18.08	18.07	20.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	18.05	18.00	18.02	20.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.49			
15	QPSK	1	19	18.07	18.07	18.07	20.0	0.0	
Channel				630334	633334	636332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3544.98			
10	QPSK	1	12	18.07	18.08	18.10	20.0	0.0	

WLAN/Bluetooth Power

Full power						Rec on		
2.4GHz WLAN						Ant 6		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.26	19.00	16.85	17.00	100.00
		6	2437	18.18	19.00	16.37	17.00	
		11	2462	17.69	19.00	16.31	17.00	
	802.11g 6Mbps	1	2412	17.73	18.50	Not Required	17.00	100.00
		6	2437	17.62	18.50		17.00	
		11	2462	15.69	16.50		16.50	
	802.11n-HT20 MCS0	1	2412	17.52	18.50		17.00	100.00
		6	2437	17.23	18.50		17.00	
		11	2462	14.98	16.00		16.00	
	802.11n-HT40 MCS0	3	2422	15.76	17.00		17.00	100.00
		6	2437	16.39	17.00		17.00	
		9	2452	13.01	14.00		14.00	

Full power						Rec on		
5.2GHz WLAN						Ant 6		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	15.00	16.00	Not Required	11.50	100.00
		40	5200	15.10	16.00		11.50	
		44	5220	15.20	16.50		11.50	
		48	5240	15.40	16.50		11.50	
	802.11n-HT20 MCS0	36	5180	14.90	16.00		11.50	100.00
		40	5200	15.00	16.00		11.50	
		44	5220	15.10	16.00		11.50	
		48	5240	15.00	16.00		11.50	
	802.11n-HT40 MCS0	38	5190	14.80	16.00		11.50	100.00
		46	5230	15.00	16.00		11.50	
	802.11ac-VHT20 MCS0	36	5180	14.80	16.00		11.50	100.00
		40	5200	14.90	16.00		11.50	
		44	5220	15.00	16.00		11.50	
		48	5240	14.90	16.00		11.50	
	802.11ac-VHT40 MCS0	38	5190	14.70	16.00		11.50	100.00
		46	5230	14.90	16.00		11.50	
	802.11ac-VHT80 MCS0	42	5210	14.10	15.00		11.50	100.00

Full power						Rec on		
5.3GHz WLAN						Ant 6		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.00	19.00	Not Required	11.50	100.00
		56	5280	18.10	19.00		11.50	
		60	5300	18.10	19.00		11.50	
		64	5320	18.20	19.00		11.50	
	802.11n-HT20 MCS0	52	5260	16.50	17.50		11.50	100.00
		56	5280	16.60	17.50		11.50	
		60	5300	16.70	17.50		11.50	
		64	5320	16.70	17.50		11.50	
	802.11n-HT40 MCS0	54	5270	16.40	17.50		11.50	100.00
		62	5310	16.40	17.50		11.50	
	802.11ac-VHT20 MCS0	52	5260	16.30	17.50		11.50	100.00
		56	5280	16.30	17.50		11.50	
		60	5300	16.30	17.50		11.50	
		64	5320	16.50	17.50		11.50	
	802.11ac-VHT40 MCS0	54	5270	16.30	17.50		11.50	100.00
		62	5310	16.30	17.50		11.50	
	802.11ac-VHT80 MCS0	58	5290	14.50	15.50	10.45	11.50	100.00

Full power						Rec on		
5.5GHz WLAN						Ant 6		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.00	19.00	Not Required	10.50	100.00
		116	5580	18.10	19.00		10.50	
		124	5620	18.00	19.00		10.50	
		132	5660	18.10	19.00		10.50	
		140	5700	15.40	16.50		10.50	
	802.11n-HT20 MCS0	144	5720	18.00	19.00		10.50	100.00
		100	5500	16.50	17.50		10.50	
		116	5580	16.60	17.50		10.50	
		124	5620	16.50	17.50		10.50	
		132	5660	16.60	17.50		10.50	
	802.11n-HT40 MCS0	140	5700	15.60	16.50		10.50	100.00
		144	5720	16.60	17.50		10.50	
		102	5510	16.30	17.50		10.50	
		110	5550	16.50	17.50		10.50	
		126	5630	16.50	17.50		10.50	
	802.11ac-VHT20 MCS0	134	5670	16.20	17.50		10.50	100.00
		142	5710	16.50	17.50		10.50	
		100	5500	16.30	17.50		10.50	
		116	5580	16.30	17.50		10.50	
		124	5620	16.30	17.50		10.50	
	802.11ac-VHT40 MCS0	132	5660	16.30	17.50		10.50	100.00
		140	5700	15.50	16.50		10.50	
		144	5720	16.40	17.50		10.50	
		102	5510	16.20	17.50		10.50	
		110	5550	16.40	17.50		10.50	
	802.11ac-VHT80 MCS0	126	5630	16.40	17.50		10.50	100.00
		134	5670	16.10	17.00		10.50	
		142	5710	16.40	17.50		10.50	
		106	5530	15.00	16.00	9.42	10.50	
		122	5610	16.00	17.00	9.53	10.50	100.00
		138	5690	16.10	17.00	9.61	10.50	

Full power						Head		
5.8GHz WLAN				Ant 6		Ant 6		
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	15.30	16.50	Not Required	11.50	100.00
		157	5785	15.60	16.50		11.50	
		165	5825	15.70	16.50		11.50	
	802.11n-HT20 MCS0	149	5745	15.20	16.50		11.50	100.00
		157	5785	15.40	16.50		11.50	
		165	5825	15.50	16.50		11.50	
	802.11n-HT40 MCS0	151	5755	15.40	16.50		11.50	100.00
		159	5795	15.40	16.50		11.50	
	802.11ac-VHT20 MCS0	149	5745	15.10	16.50		11.50	100.00
		157	5785	15.30	16.50		11.50	
		165	5825	15.40	16.50		11.50	
	802.11ac-VHT40 MCS0	151	5755	15.30	16.50		11.50	100.00
		159	5795	15.30	16.50		11.50	
	802.11ac-VHT80 MCS0	155	5775	15.50	16.50	10.12	11.50	100.00

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	9.10	7.04	6.98
	CH 39	2441	9.86	7.76	7.30
	CH 78	2480	8.86	7.99	7.81
Tune-up Limit			10.00	9.00	9.00

BT LE

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	-4.91
	CH 19	2440	-3.28
	CH 39	2480	-3.90
Tune-up Limit			0

BT LE V5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	-4.84
	CH 19	2440	-2.80
	CH 39	2480	-3.72
Tune-up Limit			0