

10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAE	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	AAD	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	AAC	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	AAC	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	AAE	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	AAE	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	AAE	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	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAD	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAD	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %

10922	AAD	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	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	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAB	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	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAB	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	AAB	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 %

<sup>E</sup> 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.



Default Power for WWAN

GSM850 Ant 1 Default								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	169	251		128	169	251	
TX Channel	128	169	251	128	169	251	128	169
Frequency (MHz)	924.2	935.4	945.8	924.2	935.4	945.8	924.2	935.4
GSM 1 Tx slot	32.05	32.09	32.03	33.50	23.05	23.09	23.03	24.50
GPRS 1 Tx slot	32.15	32.18	32.16	33.50	23.15	23.18	23.16	24.50
GPRS 2 Tx slots	30.03	30.04	29.99	31.00	24.03	24.04	23.99	25.00
GPRS 3 Tx slots	28.33	28.34	28.31	29.50	24.07	24.08	24.05	25.24
GPRS 4 Tx slots	26.44	26.46	26.39	27.50	23.44	23.46	23.39	24.50
EDGE 1 Tx slot	26.75	27.03	27.08	28.00	17.75	18.03	18.08	19.00
EDGE 2 Tx slots	24.21	24.50	24.57	25.50	18.21	18.50	18.57	19.50
EDGE 3 Tx slots	22.57	22.81	22.89	24.00	18.31	18.55	18.63	19.74
EDGE 4 Tx slots	21.21	21.43	21.56	22.50	18.21	18.43	18.56	19.50

GSM1900 Ant 1 Default								
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	512	661	810	512	661	810	512	661
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880
GSM 1 Tx slot	29.64	29.49	29.59	30.50	20.64	20.49	20.59	21.50
GPRS 1 Tx slot	29.63	29.50	29.61	30.50	20.63	20.50	20.61	21.50
GPRS 2 Tx slots	27.14	26.99	27.20	28.00	21.14	20.99	21.20	22.00
GPRS 3 Tx slots	25.33	25.47	25.31	26.50	21.07	21.21	21.05	22.24
GPRS 4 Tx slots	24.05	23.91	24.13	25.00	21.05	20.91	21.13	22.00
EDGE 1 Tx slot	26.01	25.87	25.96	27.00	17.01	16.87	16.96	18.00
EDGE 2 Tx slots	23.57	23.46	23.47	24.50	17.57	17.46	17.47	18.50
EDGE 3 Tx slots	21.83	21.80	21.81	23.00	17.57	17.54	17.55	18.74
EDGE 4 Tx slots	20.45	20.35	20.37	21.50	17.45	17.35	17.37	18.50

Band	WCDMA II Ant 1 Default			Tune-up Limit (dBm)	WCDMA IV Ant 1 Default			Tune-up Limit (dBm)	WCDMA V Ant 1 Default			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9262	9400	9538	1312	1413	1513	4132	4182	4233	9262	9400	9538	
Rx Channel	9662	9800	9938	1637	1638	1738	4357	4407	4458	9662	9800	9938	
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6	1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	24.16	24.13	24.06	25.50	24.14	24.17	24.03	25.50	24.33	24.43	24.23	25.50
3GPP Rel 99	RMC 12.2Kbps	24.27	24.29	24.18	25.50	24.18	24.27	24.07	25.50	24.43	24.55	24.33	25.50
3GPP Rel 6	HS-DPA Subtest-1	23.15	23.17	23.13	24.50	23.03	23.18	22.95	24.50	23.62	23.61	23.66	24.50
3GPP Rel 6	HS-DPA Subtest-2	23.05	23.13	23.07	24.50	22.97	23.10	22.81	24.50	23.53	23.56	23.58	24.50
3GPP Rel 6	HS-DPA Subtest-3	22.62	22.58	22.57	24.50	22.39	22.65	22.51	24.50	23.03	23.06	23.11	24.50
3GPP Rel 6	HS-DPA Subtest-4	22.58	22.63	22.53	24.50	22.59	22.54	22.59	24.50	23.05	23.06	23.09	24.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.23	23.22	23.24	25.00	23.07	23.22	23.17	25.00	23.54	23.72	23.70	25.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.17	23.12	23.16	25.00	23.06	23.05	23.14	25.00	23.52	23.45	23.57	25.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.58	22.52	22.66	24.50	22.53	22.75	22.59	24.50	22.96	22.98	23.11	24.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.67	22.53	22.51	24.50	22.58	22.55	22.58	24.50	22.95	22.99	23.14	24.50
3GPP Rel 6	HS-UPA Subtest-1	21.20	21.23	21.13	23.00	21.02	21.23	21.02	23.00	21.66	21.52	21.66	23.00
3GPP Rel 6	HS-UPA Subtest-2	21.16	21.21	21.05	23.00	21.01	21.20	21.01	23.00	21.56	21.48	21.63	23.00
3GPP Rel 6	HS-UPA Subtest-3	22.15	22.14	22.13	24.00	22.01	22.19	22.01	24.00	22.63	22.56	22.63	24.00
3GPP Rel 6	HS-UPA Subtest-4	20.64	20.66	20.63	22.50	20.59	20.70	20.59	22.50	21.03	20.99	21.10	22.50
3GPP Rel 6	HS-UPA Subtest-5	22.20	22.10	22.10	24.00	22.10	22.20	22.10	24.00	22.50	22.40	22.50	24.00



Band 2 Ant1 Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	24.00	24.18	23.95	25.5	0				
20	QPSK	1	49	24.04	24.12	24.00						
20	QPSK	1	99	23.86	23.98	23.89						
20	QPSK	50	0	22.97	23.20	23.05						
20	QPSK	50	24	23.05	23.12	23.07	24.5	1				
20	QPSK	50	50	23.04	23.02	22.98						
20	QPSK	100	0	22.88	23.00	22.93						
20	QPSK	100	0	23.18	23.25	23.21						
20	16QAM	1	0	23.23	23.22	23.03	24.5	1				
20	16QAM	1	49	23.01	23.17	22.95						
20	16QAM	1	99	23.01	23.17	22.95						
20	16QAM	50	0	21.99	21.99	22.06						
20	16QAM	50	24	22.15	22.14	22.01	23.5	2				
20	16QAM	50	50	21.97	22.09	21.85						
20	16QAM	100	0	21.92	22.11	21.98						
20	16QAM	100	0	22.21	22.23	22.14						
20	16QAM	1	49	22.23	22.20	22.25	23.5	2				
20	16QAM	1	99	21.97	22.05	21.98						
20	16QAM	50	0	21.03	21.01	21.14						
20	16QAM	50	24	21.19	21.14	21.15						
20	16QAM	50	50	21.09	21.09	20.97	22.5	3				
20	16QAM	50	50	21.09	21.09	20.97						
20	16QAM	100	0	21.02	21.05	21.04						
Channel												
Frequency (MHz)												
15	QPSK	1	0	18675	18690	19125	25.5	0				
15	QPSK	1	37	1857.5	1880	1902.5						
15	QPSK	1	74	23.88	24.11	23.82						
15	QPSK	1	111	23.45	23.91	23.99						
15	QPSK	36	0	22.85	22.97	22.98	24.5	1				
15	QPSK	36	20	22.85	22.97	22.98						
15	QPSK	36	39	23.03	22.98	22.79						
15	QPSK	75	0	22.83	22.98	22.78						
15	16QAM	1	0	22.97	23.05	23.10	24.5	1				
15	16QAM	1	37	23.08	23.07	23.03						
15	16QAM	1	74	22.89	22.99	22.81						
15	16QAM	36	0	21.86	21.92	21.93						
15	16QAM	36	20	21.87	21.92	21.98	23.5	2				
15	16QAM	36	39	21.97	21.92	21.88						
15	16QAM	75	0	21.86	22.10	21.90						
15	16QAM	1	0	22.03	22.23	21.95						
15	16QAM	1	37	22.12	22.10	22.24	23.5	2				
15	16QAM	1	74	21.98	21.88	22.00						
15	16QAM	36	0	20.90	20.88	20.94						
15	16QAM	36	20	21.11	20.99	20.97						
15	16QAM	36	39	20.93	20.99	20.84	22.5	3				
15	16QAM	75	0	20.93	20.87	20.96						
Channel												
Frequency (MHz)												
10	QPSK	1	0	1855	1880	1905	25.5	0				
10	QPSK	1	25	23.84	23.83	23.99						
10	QPSK	1	49	23.75	23.85	23.79						
10	QPSK	25	0	22.83	23.01	22.97						
10	QPSK	25	12	23.02	23.08	23.08	24.5	1				
10	QPSK	25	25	22.92	22.88	22.82						
10	QPSK	50	0	21.04	21.04	21.05						
10	16QAM	1	0	23.13	23.14	23.16						
10	16QAM	1	25	23.05	23.20	22.93	24.5	1				
10	16QAM	1	49	22.99	23.18	22.89						
10	16QAM	1	74	21.86	21.93	21.91						
10	16QAM	25	12	22.01	22.08	21.98						
10	16QAM	25	25	21.89	22.08	21.89	23.5	2				
10	16QAM	50	0	21.91	22.11	21.62						
10	16QAM	1	0	21.92	22.21	22.08						
10	16QAM	1	25	22.11	22.22	22.21						
10	16QAM	1	49	21.93	21.92	21.90	23.5	2				
10	16QAM	1	99	21.93	21.92	21.90						
10	16QAM	25	0	20.86	21.01	21.09						
10	16QAM	25	12	20.97	21.15	21.11						
10	16QAM	25	25	20.86	20.93	20.86	22.5	3				
10	16QAM	50	0	20.83	20.94	20.86						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.88	23.98	23.75	25.5	0				
5	QPSK	1	12	23.79	23.76	23.89						
5	QPSK	1	24	23.72	23.92	23.73						
5	QPSK	12	0	22.80	23.18	22.97						
5	QPSK	12	7	23.01	22.97	22.90	24.5	1				
5	QPSK	12	13	22.89	22.97	22.96						
5	QPSK	25	0	22.86	22.96	22.84						
5	16QAM	1	0	23.06	23.07	23.05						
5	16QAM	1	12	23.12	23.21	23.02	24.5	1				
5	16QAM	1	24	23.03	23.16	23.06						
5	16QAM	12	0	21.97	21.79	21.97						
5	16QAM	12	7	22.12	22.00	21.79						
5	16QAM	12	13	21.76	21.91	21.75	23.5	2				
5	16QAM	25	0	21.71	21.98	21.91						
5	16QAM	1	0	22.18	22.14	22.16						
5	16QAM	1	12	22.02	22.04	22.21						
5	16QAM	1	24	21.98	21.93	21.88	23.5	2				
5	16QAM	12	0	21.98	21.93	21.88						
5	16QAM	12	7	21.10	21.11	20.98						
5	16QAM	12	13	20.93	20.87	20.94						
5	16QAM	25	0	20.97	20.88	20.93	22.5	3				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.91	23.92	23.80			25.5	0		
1.4	QPSK	1	8	23.89	23.82	23.76						
1.4	QPSK	1	14	23.58	23.79	23.61						
1.4	QPSK	8	0	22.79	23.04	22.83						
1.4	QPSK	8	4	22.78	22.91	22.88	24.5	1				
1.4	QPSK	8	7	22.79	22.87	22.73						
1.4	QPSK	15	0	22.74	22.83	22.68						
1.4	16QAM	1	0	23.05	23.01	23.12						
1.4	16QAM	1	8	23.03	22.98	22.92	24.5	1				
1.4	16QAM	1	14	22.89	22.92	22.82						
1.4	16QAM	8	0	21.79	21.73	21.74						
1.4	16QAM	8	4	22.07	21.89	21.84						
1.4	16QAM	8	7	21.75	21.83	21.73	23.5	2				
1.4	16QAM	15	0	21.80	21.89	21.78						
1.4	16QAM	1	0	21.94	21.98	21.86						
1.4	16QAM	1	8	21.98	21.94	22.02						
1.4	16QAM	1	14	21.80	21.80	21.81	23.5	2				
1.4	16QAM	8	0	20.95	20.91	20.99						
1.4	16QAM	8	4	21.00	20.85	21.04						
1.4	16QAM	8	7	20.91	20.80	20.71						
1.4	16QAM	15	0	20.70	20.93	20.76	22.5	3				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.91	23.97	23.72			25.5	0		
1.4	QPSK	1	3	23.79	23.80	23.87						
1.4	QPSK	1	5	23.70	23.75	23.65						
1.4	QPSK	3	0	23.91	23.78	23.72						
1.4	QPSK	3	1	23.64	23.82	23.87	24.5	1				
1.4	QPSK	3	3	23.68	23.59	23.53						
1.4	QPSK	6	0	22.70	22.75	22.76						
1.4	16QAM	1	0	23.07	23.08	23.09						
1.4	16QAM	1	3	23.07	22.95	22.97	24.5	1				
1.4	16QAM	1	5	22.74	22.85	22.87						
1.4	16QAM	3	0	22.80	23.00	22.91						
1.4	16QAM	3	1	22.98	22.81	22.58						
1.4	16QAM	3	3	22.55	22.66	22.69	23.5	2				
1.4	16QAM	6	0	21.64	21.99	21.81						
1.4	16QAM	1	0	21.92	21.94	21.95						
1.4	16QAM	1	3	22.12	21.93	21.94						
1.4	16QAM	1	5	21.82	21.84	21.77	23.5	2				
1.4	16QAM	3	0	21.92	21.79	21.98						
1.4	16QAM	3	1	21.99	21.85	21.94						
1.4	16QAM	3	3	21.90	21.93	21.88						
1.4	16QAM	6	0	20.86	20.89	20.80	22.5	3				

Band 4 Ant1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.04	24.16	23.92	25.5	0		
20	QPSK	1	49	24.11	24.07	24.14				
20	QPSK	1	99	23.89	23.85	23.97				
20	QPSK	50	0	23.03	23.18	23.00				
20	QPSK	50	24	23.08	23.15	23.06	24.5	1		
20	QPSK	50	50	23.16	23.02	22.97				
20	QPSK	100	0	23.05	23.09	23.00				
20	16QAM	1	0	23.17	23.23	23.04				
20	16QAM	1	49	23.17	23.26	23.23	24.5	1		
20	16QAM	1	99	23.04	22.92	22.98				
20	16QAM	50	0	22.14	22.09	22.17				
20	16QAM	50	24	22.32	22.22	22.14				
20	16QAM	50	50	22.25	22.21	22.11	23.5	2		
20	16QAM	100	0	22.26	22.06	21.95				
20										



### Band 7 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				20850	21100	21350		
20	QPSK	1	0	23.84	23.92	23.90		
20	QPSK	1	49	23.88	23.82	23.79	25.5	0
20	QPSK	1	99	23.86	23.75	23.70		
20	QPSK	50	0	22.77	22.98	22.92		
20	QPSK	50	24	22.91	22.94	22.88	24.5	1
20	QPSK	50	50	22.83	22.90	22.76		
20	QPSK	100	0	22.81	22.86	22.77		
20	16QAM	1	0	22.79	22.84	22.72	24.5	1
20	16QAM	1	49	22.91	22.88	22.82		
20	16QAM	1	99	22.81	22.94	22.75		
20	16QAM	50	0	21.68	21.75	21.83		
20	16QAM	50	24	21.95	21.92	21.98	23.5	2
20	16QAM	50	50	21.90	21.91	21.87		
20	16QAM	100	0	21.81	21.76	21.70		
20	64QAM	1	0	21.86	21.78	21.69		
20	64QAM	1	49	21.99	21.96	21.82	23.5	2
20	64QAM	1	99	21.94	21.91	21.83		
20	64QAM	50	0	20.79	20.87	20.70		
20	64QAM	50	24	20.91	20.81	20.71	22.5	3
20	64QAM	50	50	20.90	20.91	20.90		
20	64QAM	100	0	20.88	20.85	20.68		
Channel								
Frequency (MHz)				20825	21100	21375		
15	QPSK	1	0	23.73	23.81	23.66		
15	QPSK	1	37	23.86	23.78	23.69	25.5	0
15	QPSK	1	74	23.77	23.64	23.68		
15	QPSK	36	0	22.59	22.76	22.90		
15	QPSK	36	20	22.70	22.86	22.77	24.5	1
15	QPSK	36	39	22.66	22.82	22.65		
15	QPSK	75	0	22.68	22.80	22.73		
15	16QAM	1	0	22.59	22.72	22.64	24.5	1
15	16QAM	1	37	22.90	22.84	22.60		
15	16QAM	1	74	22.78	22.85	22.75		
15	16QAM	36	0	21.56	21.58	21.81	23.5	2
15	16QAM	36	20	21.91	21.89	21.81		
15	16QAM	36	39	21.86	21.84	21.52		
15	16QAM	75	0	21.61	21.72	21.70		
15	64QAM	1	0	21.86	21.74	21.80		
15	64QAM	1	37	21.94	21.88	21.65	23.5	2
15	64QAM	1	74	21.82	21.87	21.77		
15	64QAM	36	0	20.69	20.76	20.73		
15	64QAM	36	20	20.78	20.72	20.79	22.5	3
15	64QAM	36	39	20.75	20.76	20.69		
15	64QAM	75	0	20.82	20.85	20.56		
Channel								
Frequency (MHz)				20800	21100	21400		
10	QPSK	1	0	23.65	23.86	23.73		
10	QPSK	1	25	23.89	23.74	23.81	25.5	0
10	QPSK	1	49	23.84	23.70	23.56		
10	QPSK	25	0	22.69	22.84	22.80		
10	QPSK	25	12	22.83	22.79	22.78	24.5	1
10	QPSK	25	25	22.64	22.82	22.59		
10	QPSK	50	0	22.88	22.72	22.75		
10	16QAM	1	0	22.58	22.71	22.58	24.5	1
10	16QAM	1	25	22.75	22.71	22.75		
10	16QAM	1	49	22.67	22.78	22.67		
10	16QAM	25	0	21.57	21.64	21.84	23.5	2
10	16QAM	25	12	21.74	21.80	21.79		
10	16QAM	25	25	21.89	21.82	21.66		
10	16QAM	50	0	21.76	21.71	21.69		
10	64QAM	1	0	21.77	21.80	21.78	23.5	2
10	64QAM	1	25	21.86	21.74	21.65		
10	64QAM	1	49	21.82	21.86	21.75		
10	64QAM	25	0	20.70	20.84	20.58		
10	64QAM	25	12	20.84	20.69	20.85	22.5	3
10	64QAM	25	25	20.74	20.81	20.57		
10	64QAM	50	0	20.83	20.85	20.56		
Channel								
Frequency (MHz)				20775	21100	21425		
5	QPSK	1	0	23.74	23.71	23.63		
5	QPSK	1	12	23.70	23.69	23.56	25.5	0
5	QPSK	1	24	23.74	23.64	23.58		
5	QPSK	12	0	22.56	22.82	22.63		
5	QPSK	12	7	22.81	22.83	22.71	24.5	1
5	QPSK	12	13	22.66	22.81	22.56		
5	QPSK	25	0	22.81	22.75	22.59		
5	16QAM	1	0	22.60	22.56	22.57	24.5	1
5	16QAM	1	12	22.76	22.76	22.55		
5	16QAM	1	24	22.64	22.67	22.57		
5	16QAM	12	0	21.69	21.70	21.60	23.5	2
5	16QAM	12	7	21.72	21.77	21.65		
5	16QAM	12	13	21.74	21.69	21.77		
5	16QAM	25	0	21.55	21.57	21.57		
5	64QAM	1	0	21.75	21.50	21.54	23.5	2
5	64QAM	1	12	21.73	21.74	21.74		
5	64QAM	1	24	21.83	21.82	21.62		
5	64QAM	12	0	20.59	20.71	20.63	22.5	3
5	64QAM	12	0	20.61	20.71	20.63		
5	64QAM	12	13	20.61	20.69	20.60		
5	64QAM	25	0	20.77	20.70	20.51		

### Band 12 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				23060	23095	23130		
10	QPSK	1	0	24.23	24.27	24.26		
10	QPSK	1	25	24.22	24.25	24.23	25.5	0
10	QPSK	1	49	24.10	24.15	24.16		
10	QPSK	25	0	23.09	23.36	23.15		
10	QPSK	25	12	23.27	23.27	23.30	24.5	1
10	QPSK	25	25	23.16	23.24	23.21		
10	QPSK	50	0	23.15	23.25	23.19		
10	16QAM	1	0	22.99	23.25	23.09	24.5	1
10	16QAM	1	25	23.13	23.20	23.16		
10	16QAM	1	49	23.15	23.19	23.18		
10	16QAM	25	0	22.16	22.35	22.10		
10	16QAM	25	12	22.28	22.24	22.27	23.5	2
10	16QAM	25	25	22.35	22.19	22.13		
10	16QAM	50	0	22.25	22.14	22.15		
10	64QAM	1	0	22.09	22.24	22.07		
10	64QAM	1	25	22.11	22.21	22.19	23.5	2
10	64QAM	1	49	22.19	22.20	22.18		
10	64QAM	25	0	20.99	21.22	21.01		
10	64QAM	25	12	21.16	21.15	21.15	22.5	3
10	64QAM	25	25	21.13	21.09	21.04		
10	64QAM	50	0	21.17	21.02	21.04		
Channel								
Frequency (MHz)				23035	23095	23155		
5	QPSK	1	0	24.10	24.24	24.11		
5	QPSK	1	12	24.11	24.16	24.14	25.5	0
5	QPSK	1	24	24.04	24.13	24.05		
5	QPSK	12	0	22.93	23.30	23.03		
5	QPSK	12	7	23.23	23.20	23.18	24.5	1
5	QPSK	12	13	23.11	23.14	23.16		
5	QPSK	25	0	23.13	23.10	23.03		
5	16QAM	1	0	22.92	23.11	22.99	24.5	1
5	16QAM	1	12	23.03	23.17	23.12		
5	16QAM	1	24	22.99	23.15	23.01		
5	16QAM	12	0	22.10	22.17	21.98	23.5	2
5	16QAM	12	7	22.23	22.07	22.17		
5	16QAM	12	13	22.31	22.08	21.97		
5	16QAM	25	0	22.08	22.02	22.10		
5	64QAM	1	0	22.03	22.07	21.97		
5	64QAM	1	12	22.06	22.19	22.02	23.5	2
5	64QAM	1	24	22.16	22.16	22.10		
5	64QAM	12	0	20.85	21.16	20.95		
5	64QAM	12	7	21.04	21.02	21.11	22.5	3
5	64QAM	12	13	21.05	21.00	20.92		
5	64QAM	25	0	21.04	20.86	20.95		
Channel								
Frequency (MHz)				23025	23095	23155		
3	QPSK	1	0	24.15	24.19	24.19		
3	QPSK	1	8	24.10	24.23	24.19	25.5	0
3	QPSK	1	14	23.94	23.97	24.07		
3	QPSK	8	0	23.02	23.23	23.08		
3	QPSK	8	4	23.19	23.19	23.25	24.5	1
3	QPSK	8	7	23.12	23.19	23.07		
3	QPSK	15	0	23.14	23.97	23.05		
3	16QAM	1	0	22.95	23.17	23.06	24.5	1
3	16QAM	1	8	22.96	23.08	23.08		
3	16QAM	1						



Band 17 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23790	23790	23800			
Frequency (MHz)				705	710	711			
10	QPSK	1	0	24.10	24.24	24.14	25.5	0	
10	QPSK	1	25	24.23	24.20	24.16			
10	QPSK	1	49	24.22	24.18	24.20			
10	QPSK	25	0	23.04	23.25	23.11	24.5	1	
10	QPSK	25	12	23.21	23.13	23.19			
10	QPSK	25	25	23.12	23.15	23.18			
10	QPSK	50	0	23.11	23.17	23.15	24.5	1	
10	16QAM	1	0	23.21	23.27	23.21			
10	16QAM	1	25	23.14	23.23	23.25			
10	16QAM	1	49	23.10	23.21	23.23	23.5	2	
10	16QAM	25	0	22.00	22.21	22.08			
10	16QAM	25	12	22.16	22.19	22.20			
10	16QAM	25	25	22.09	22.10	22.12	23.5	2	
10	16QAM	50	0	22.07	22.08	22.11			
10	16QAM	1	0	22.06	22.16	22.05			
10	16QAM	1	25	22.01	22.14	22.08	22.5	3	
10	16QAM	1	49	22.10	22.12	22.14			
10	16QAM	25	0	20.99	21.20	21.06			
10	16QAM	25	12	21.12	21.18	20.98	22.5	3	
10	16QAM	25	25	21.07	21.09	21.11			
10	16QAM	50	0	21.01	21.06	21.09			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.04	24.11	24.08	25.5	0	
5	QPSK	1	12	24.20	24.17	24.03			
5	QPSK	1	24	24.10	24.10	24.05			
5	QPSK	12	0	22.94	23.19	22.98	24.5	1	
5	QPSK	12	7	23.18	22.98	23.16			
5	QPSK	12	13	23.03	23.05	23.06			
5	QPSK	25	0	23.08	23.02	23.12	24.5	1	
5	16QAM	1	0	23.13	23.19	23.13			
5	16QAM	1	12	22.99	23.18	23.14			
5	16QAM	1	24	23.00	23.06	23.16	23.5	2	
5	16QAM	12	0	21.88	22.07	22.06			
5	16QAM	12	7	21.99	22.07	22.16			
5	16QAM	12	13	22.05	22.00	22.10	23.5	2	
5	16QAM	25	0	21.93	22.02	22.01			
5	16QAM	1	0	21.98	22.05	21.93			
5	16QAM	1	12	21.99	22.05	21.95	23.5	2	
5	16QAM	1	24	22.04	22.05	21.98			
5	16QAM	12	0	20.81	21.04	20.99			
5	16QAM	12	7	21.04	21.06	20.94	22.5	3	
5	16QAM	12	13	20.98	21.07	20.97			
5	16QAM	25	0	20.95	20.99	20.98			

Band 66 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1745	1745	1745			
20	QPSK	1	0	23.93	24.20	23.90	25.5	0	
20	QPSK	1	49	24.06	24.04	23.91			
20	QPSK	1	99	23.80	23.87	23.96			
20	QPSK	50	0	22.96	23.08	22.85	24.5	1	
20	QPSK	50	24	22.98	23.06	22.92			
20	QPSK	50	50	22.90	22.92	22.74			
20	QPSK	100	0	22.96	23.03	22.79	24.5	1	
20	16QAM	1	0	23.07	23.09	22.84			
20	16QAM	1	49	22.99	23.07	22.94			
20	16QAM	1	99	22.84	22.82	22.86	23.5	2	
20	16QAM	50	0	22.04	22.16	21.92			
20	16QAM	50	24	22.16	22.09	21.97			
20	16QAM	50	50	22.15	21.99	21.87	23.5	2	
20	16QAM	100	0	22.08	21.99	21.86			
20	16QAM	1	0	22.13	22.16	21.90			
20	16QAM	1	49	22.10	22.15	22.08	23.5	2	
20	16QAM	1	99	21.95	21.89	21.86			
20	16QAM	50	0	20.88	21.00	20.76			
20	16QAM	50	24	20.90	20.91	20.82	22.5	3	
20	16QAM	50	50	20.99	20.82	20.64			
20	16QAM	100	0	20.93	20.84	20.70			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	23.77	23.95	23.76	25.5	0	
15	QPSK	1	37	24.00	24.02	23.88			
15	QPSK	1	74	23.74	23.70	23.84			
15	QPSK	36	0	22.83	23.04	22.69	24.5	1	
15	QPSK	36	20	22.85	22.91	22.90			
15	QPSK	36	39	22.77	22.85	22.71			
15	QPSK	75	0	22.89	22.89	22.72	24.5	1	
15	16QAM	1	0	23.05	23.02	22.73			
15	16QAM	1	37	22.86	23.04	22.78			
15	16QAM	1	74	22.68	22.73	22.70	23.5	2	
15	16QAM	36	0	21.99	22.13	21.86			
15	16QAM	36	20	22.10	21.99	21.80			
15	16QAM	36	39	22.05	21.83	21.75	23.5	2	
15	16QAM	75	0	22.05	21.86	21.83			
15	16QAM	1	0	21.99	22.08	21.87			
15	16QAM	1	37	21.95	22.06	22.04	23.5	2	
15	16QAM	1	74	21.78	21.79	21.76			
15	16QAM	36	0	20.79	20.89	20.64			
15	16QAM	36	20	20.76	20.80	20.68	22.5	3	
15	16QAM	36	39	20.84	20.74	20.59			
15	16QAM	75	0	20.85	20.72	20.53			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	23.85	24.06	23.84	25.5	0	
10	QPSK	1	25	23.90	23.94	23.78			
10	QPSK	1	49	23.70	23.76	23.78			
10	QPSK	25	0	22.86	22.99	22.80	24.5	1	
10	QPSK	25	12	22.93	22.94	22.84			
10	QPSK	25	25	22.82	22.79	22.84			
10	QPSK	50	0	22.93	22.79	22.69	24.5	1	
10	16QAM	1	0	22.92	23.00	22.72			
10	16QAM	1	25	22.92	22.94	22.86			
10	16QAM	1	49	22.68	22.65	22.82	23.5	2	
10	16QAM	25	0	22.00	22.13	21.76			
10	16QAM	25	12	22.03	21.98	21.82			
10	16QAM	25	25	22.00	21.92	21.79	23.5	2	
10	16QAM	50	0	21.97	21.83	21.79			
10	16QAM	1	0	22.06	22.05	21.85			
10	16QAM	1	25	21.97	22.12	21.97	23.5	2	
10	16QAM	1	49	21.78	21.82	21.77			
10	16QAM	25	0	20.83	20.86	20.62			
10	16QAM	25	12	20.73	20.85	20.79	22.5	3	
10	16QAM	25	25	20.88	20.68	20.52			
10	16QAM	50	0	20.89	20.66	20.52			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	23.88	23.96	23.73	25.5	0	
5	QPSK	1	12	23.99	23.94	23.82			
5	QPSK	1	24	23.70	23.69	23.86			
5	QPSK	12	0	22.93	22.99	22.78	24.5	1	
5	QPSK	12	7	22.93	22.94	22.80			
5	QPSK	12	13	22.84	22.80	22.69			
5	QPSK	25	0	22.90	22.86	22.76	24.5	1	
5	16QAM	1	0	23.02	23.06	22.78			
5	16QAM	1	12	22.88	23.01	22.84			
5	16QAM	1	24	22.76	22.75	22.81	23.5	2	
5	16QAM	12	0	21.95	22.13	21.88			
5	16QAM	12	7	22.09	22.06	21.91			
5	16QAM	12	13	22.01	21.90	21.82	23.5	2	
5	16QAM	25	0	21.98	21.84	21.72			
5	16QAM	1	0	21.96	22.04	21.72			
5	16QAM	1	12	21.99	21.98	21.95	23.5	2	
5	16QAM	1	24	21.85	21.74	21.78			
5	16QAM	12	0	20.81	20.93	20.67			
5	16QAM	12	7	20.73	20.75	20.74	22.5	3	
5	16QAM	12	13	20.90	20.68	20.59			
5	16QAM	25	0	20.81	20.71	20.63			
Channel				131967	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	23.90	24.01	23.84	25.5	0	
3	QPSK	1	8	24.03	23.96	23.84			
3	QPSK	1	14	23.65	23.82	23.80			
3	QPSK	8	0	22.79	23.02	22.69	24.5	1	
3	QPSK	8	4	22.92	22.96	22.77			
3	QPSK	8	7	22.74	22.79	22.70			
3	QPSK	15	0	22.99	22.80	22.72	24.5	1	
3	16QAM	1	0	22.98	23.01	22.79			
3	16QAM	1	8	22.94	23.00	22.85			
3	16QAM	1	14	22.75	22.87	22.75	23.5	2	
3	16QAM	8	0	21.93	22.13	21.75			
3	16QAM	8	4	22.00	21.92	21.81			
3	16QAM	8	7	22.09	21.96	21.79	23.5	2	
3	16QAM	15	0	21.90	21.84	21.75			
3	16QAM	1	0	22.10	21.98	21.76			
3	16QAM	1	8	21.92	22.06	21.97	23.5	2	
3	16QAM	1	14	21.85	21.87	21.83			
3	16QAM	8	0	20.78	20.82	20.69			
3	16QAM	8	4	20.85	20.87	20.66	22.5	3	
3	16QAM	8	7	20.88	20.71	20.58			
3	16QAM	15	0	20.82	20.80	20.68			
Channel				131970	132322	132655	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	23.91	24.05	23.70	25.5	0	
1.4	QPSK	1	3	24.00	23.87	23.78			
1.4	QPSK	1	5	23.90	23.79	23.70			
1.4	QPSK	3	0	23.95	23.91	23.82			
1.4	QPSK	3	1	23.96	23.95				





Band 38 Ant1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37850	38000	38150			
20	QPSK	1	0	23.80	23.82	23.84	25.5	0	
20	QPSK	1	49	23.79	23.88	23.88			
20	QPSK	1	99	23.85	23.75	23.76			
20	QPSK	50	0	22.82	23.01	22.76	24.5	1	
20	QPSK	50	24	22.83	22.93	22.92			
20	QPSK	50	50	22.96	22.88	22.88			
20	QPSK	100	0	22.88	22.95	22.82			
20	16QAM	1	0	23.13	23.10	23.04	24.5	1	
20	16QAM	1	49	23.32	23.28	23.25			
20	16QAM	1	99	23.19	23.09	23.10			
20	16QAM	50	0	21.96	22.01	21.99	23.5	2	
20	16QAM	50	24	22.06	22.11	22.05			
20	16QAM	50	50	22.01	22.04	22.01			
20	16QAM	100	0	21.95	21.86	21.86			
20	64QAM	1	0	21.98	21.88	22.02	23.5	2	
20	64QAM	1	49	22.16	22.08	22.10			
20	64QAM	1	99	22.04	21.97	21.97			
20	64QAM	50	0	20.85	20.83	20.83	22.5	3	
20	64QAM	50	24	21.04	20.99	21.06			
20	64QAM	50	50	20.97	20.95	20.98			
20	64QAM	100	0	20.99	20.99	20.87			
Channel									
Frequency (MHz)				37825	38000	38175			
15	QPSK	1	0	23.65	23.68	23.61	25.5	0	
15	QPSK	1	37	23.81	23.61	23.82			
15	QPSK	1	74	23.79	23.58	23.69			
15	QPSK	36	0	22.73	22.81	22.60	24.5	1	
15	QPSK	36	20	22.87	22.84	22.84			
15	QPSK	36	39	22.85	22.76	22.87			
15	QPSK	75	0	22.71	22.73	22.73			
15	16QAM	1	0	22.97	23.10	23.02	24.5	1	
15	16QAM	1	37	23.22	23.16	23.09			
15	16QAM	1	74	22.99	22.88	23.00			
15	16QAM	36	0	21.77	21.90	21.78	23.5	2	
15	16QAM	36	20	21.90	22.02	22.06			
15	16QAM	36	39	21.82	21.83	22.00			
15	16QAM	75	0	21.87	21.78	21.79			
15	64QAM	1	0	21.91	21.88	21.94	23.5	2	
15	64QAM	1	37	21.99	22.10	21.90			
15	64QAM	1	74	21.98	21.96	21.97			
15	64QAM	36	0	20.66	20.79	20.89	22.5	3	
15	64QAM	36	20	21.05	20.90	20.96			
15	64QAM	36	39	20.79	20.96	20.98			
15	64QAM	75	0	21.00	20.94	20.79			
Channel									
Frequency (MHz)				37800	38000	38200			
10	QPSK	1	0	23.74	23.81	23.63	25.5	0	
10	QPSK	1	25	23.66	23.60	23.72			
10	QPSK	1	49	23.86	23.73	23.60			
10	QPSK	25	0	22.89	22.92	22.64	24.5	1	
10	QPSK	25	12	22.89	22.73	22.75			
10	QPSK	25	25	22.77	22.79	22.76			
10	QPSK	50	0	22.74	22.74	22.73			
10	16QAM	1	0	22.93	23.10	23.04	24.5	1	
10	16QAM	1	25	23.18	23.09	23.17			
10	16QAM	1	49	23.06	22.99	22.94			
10	16QAM	25	0	21.82	21.92	21.97	23.5	2	
10	16QAM	25	12	21.92	22.02	21.93			
10	16QAM	25	25	21.88	22.03	21.94			
10	16QAM	50	0	21.87	21.82	21.85			
10	64QAM	1	0	21.92	21.90	21.91	23.5	2	
10	64QAM	1	25	22.04	22.19	22.02			
10	64QAM	1	49	21.91	21.96	21.98			
10	64QAM	25	0	20.68	20.84	20.78	22.5	3	
10	64QAM	25	12	20.86	20.81	21.02			
10	64QAM	25	25	20.79	20.73	20.90			
10	64QAM	50	0	20.99	21.00	20.83			
Channel									
Frequency (MHz)				37775	38000	38225			
5	QPSK	1	0	23.56	23.74	23.57	25.5	0	
5	QPSK	1	12	23.57	23.50	23.77			
5	QPSK	1	24	23.66	23.60	23.57			
5	QPSK	12	0	22.62	22.76	22.56	24.5	1	
5	QPSK	12	7	22.66	22.72	22.68			
5	QPSK	12	13	22.80	22.70	22.61			
5	QPSK	25	0	22.59	22.68	22.72			
5	16QAM	1	0	23.00	22.81	22.85	24.5	1	
5	16QAM	1	12	23.13	23.08	22.95			
5	16QAM	1	24	22.92	22.88	22.86			
5	16QAM	12	0	21.65	21.89	21.88	23.5	2	
5	16QAM	12	7	21.83	21.91	21.86			
5	16QAM	12	13	21.78	21.83	21.79			
5	16QAM	25	0	21.87	21.81	21.71			
5	64QAM	1	0	21.79	21.80	21.88	23.5	2	
5	64QAM	1	12	22.02	22.13	21.88			
5	64QAM	1	24	21.89	21.82	21.74			
5	64QAM	12	0	20.65	20.79	20.78	22.5	3	
5	64QAM	12	7	20.94	20.86	20.87			
5	64QAM	12	13	20.81	20.84	20.58			
5	64QAM	25	0	20.79	20.73	20.78			

Band 41 Ant1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				37950	40185	40600	41055	41450		
20	QPSK	1	0	23.60	23.58	23.64	23.65	23.62	25.5	0
20	QPSK	1	49	23.85	23.83	23.87	23.87	23.84		
20	QPSK	1	99	23.57	23.72	23.64	23.64	23.63		
20	QPSK	50	0	22.71	22.67	22.93	22.83	22.79	24.5	1
20	QPSK	50	24	22.85	22.80	22.89	22.89	22.84		
20	QPSK	50	50	22.80	22.79	22.85	22.72	22.73		
20	QPSK	100	0	22.72	22.72	22.88	22.76	22.83		
20	16QAM	1	0	23.13	22.89	23.02	22.98	23.05	24.5	1
20	16QAM	1	49	22.96	22.85	22.85	22.87	22.97		
20	16QAM	1	99	23.15	22.94	23.12	23.08	22.96		
20	16QAM	50	0	21.83	21.86	21.92	22.00	21.94	23.5	2
20	16QAM	50	24	21.93	21.89	21.97	22.03	22.06		
20	16QAM	50	50	21.89	22.00	21.92	21.82	21.91		
20	16QAM	100	0	21.84	21.86	21.88	21.93	21.82		
20	64QAM	1	0	21.96	22.05	22.06	21.99	22.03	23.5	2
20	64QAM	1	49	22.13	22.14	22.25	22.06	22.13		
20	64QAM	1	99	22.08	22.09	22.15	22.11	22.04		
20	64QAM	50	0	20.77	20.74	20.81	20.81	20.84	22.5	3
20	64QAM	50	24	20.88	20.88	20.98	20.97	20.90		
20	64QAM	50	50	21.00	20.85	20.85	20.85	20.78		
20	64QAM	100	0	20.79	20.76	20.88	20.82	20.89		
Channel										
Frequency (MHz)				37925	40173	40620	41068	41515		
15	QPSK	1	0	23.56	23.56	23.70	23.56	23.68	25.50	0
15	QPSK	1	37	23.67	23.71	23.72	23.62	23.59		
15	QPSK	1	74	23.59	23.58	23.64	23.54	23.56		
15	QPSK	36	0	22.84	22.82	22.90	22.83	22.58	24.5	1
15	QPSK	36	20	22.84	22.83	22.83	22.72	22.82		
15	QPSK	36	39	22.61	22.75	22.75	22.69	22.56		
15	QPSK	75	0	22.60	22.68	22.80	22.71	22.75		
15	16QAM	1	0	23.01	22.82	22.99	22.99	22.88	24.5	1
15	16QAM	1	37	23.22	23.12	23.12	22.87	23.05		
15	16QAM	1	74	23.04	22.76	22.57	23.09	22.96		
15	16QAM	36	0	21.71	21.77	21.90	21.91	21.81	23.5	2
15	16QAM	36	20	21.81	21.96	21.76	22.00	21.96		
15	16QAM	36	39	21.82	21.79	21.90	21.70	21.71		
15	16QAM	75	0	21.75	21.89	21.75	21.86	21.82		
15	64QAM	1	0	21.80	21.98	21.94	21.99	21.90	23.5	2
15	64QAM	1	37	21.94</						



**GSM850 Ant 2 Default**

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	32.26	32.33	32.21	33.50	23.26	23.33	23.21	24.50
GPRS 1 Tx slot	32.34	32.38	32.29	33.50	23.34	23.38	23.29	24.50
GPRS 2 Tx slots	30.17	30.11	30.02	31.00	24.17	24.11	24.02	25.00
GPRS 3 Tx slots	28.40	28.43	28.30	29.50	24.14	24.17	24.04	25.24
GPRS 4 Tx slots	26.46	26.44	26.33	27.50	23.46	23.44	23.33	24.50
EDGE 1 Tx slot	27.06	27.30	27.39	28.00	18.06	18.30	18.39	19.00
EDGE 2 Tx slots	24.55	24.78	24.88	25.50	18.55	18.78	18.88	19.50
EDGE 3 Tx slots	22.84	23.03	23.19	24.00	18.58	18.77	18.93	19.74
EDGE 4 Tx slots	21.56	21.73	21.93	22.50	18.56	18.73	18.93	19.50

**GSM1900 Ant 2 Default**

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	29.53	29.45	29.36	30.50	20.53	20.45	20.36	21.50
GPRS 1 Tx slot	29.69	29.51	29.50	30.50	20.69	20.51	20.50	21.50
GPRS 2 Tx slots	27.27	27.00	26.95	28.00	21.27	21.00	20.95	22.00
GPRS 3 Tx slots	25.74	25.82	25.68	26.50	21.48	21.56	21.42	22.24
GPRS 4 Tx slots	24.18	23.95	24.08	25.00	21.18	20.95	21.08	22.00
EDGE 1 Tx slot	26.52	26.29	26.33	27.00	17.52	17.29	17.33	18.00
EDGE 2 Tx slots	23.92	23.62	23.81	24.50	17.92	17.62	17.81	18.50
EDGE 3 Tx slots	22.16	21.91	22.17	23.00	17.90	17.65	17.91	18.74
EDGE 4 Tx slots	20.58	20.46	20.53	21.50	17.58	17.46	17.53	18.50

**WCDMA II Ant 2 Default**

**WCDMA IV Ant 2 Default**

**WCDMA V Ant 2 DS12&4 Default**

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
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	24.76	24.69	24.63	25.50	24.43	24.62	24.36	25.50	24.44	24.50	24.46	25.50
3GPP Rel 99 RMC 12.2Kbps	24.81	24.82	24.79	25.50	24.52	24.73	24.41	25.50	24.56	24.59	24.53	25.50
3GPP Rel 6 HSDPA Subtest-1	23.65	23.76	23.68	24.50	23.49	23.73	23.47	24.50	23.56	23.49	23.58	24.50
3GPP Rel 6 HSDPA Subtest-2	23.66	23.66	23.57	24.50	23.42	23.63	23.36	24.50	23.49	23.38	23.42	24.50
3GPP Rel 6 HSDPA Subtest-3	23.15	23.12	23.11	24.50	22.96	23.12	22.89	24.50	23.01	22.90	22.94	24.50
3GPP Rel 6 HSDPA Subtest-4	23.15	23.04	23.08	24.50	22.94	23.17	22.84	24.50	23.03	22.90	22.92	24.50
3GPP Rel 6 DC-HSDPA Subtest-1	23.55	23.56	23.66	25.00	23.38	23.77	23.46	25.00	23.45	23.53	23.69	25.00
3GPP Rel 6 DC-HSDPA Subtest-2	23.60	23.64	23.68	25.00	23.40	23.57	23.47	25.00	23.51	23.49	23.32	25.00
3GPP Rel 6 DC-HSDPA Subtest-3	23.10	23.07	23.00	24.50	22.94	23.14	22.78	24.50	22.97	22.97	22.85	24.50
3GPP Rel 6 DC-HSDPA Subtest-4	23.06	23.10	23.06	24.50	22.88	23.24	22.87	24.50	22.91	23.00	23.01	24.50
3GPP Rel 6 HSUPA Subtest-1	21.71	21.76	21.70	23.00	21.48	21.79	21.52	23.00	21.52	21.43	21.49	23.00
3GPP Rel 6 HSUPA Subtest-2	21.67	21.74	21.78	23.00	21.49	21.67	21.51	23.00	21.49	21.43	21.40	23.00
3GPP Rel 6 HSUPA Subtest-3	22.69	22.73	22.64	24.00	22.46	22.79	22.44	24.00	22.52	22.38	22.48	24.00
3GPP Rel 6 HSUPA Subtest-4	21.20	21.27	21.19	22.50	21.08	21.22	20.93	22.50	20.97	20.90	20.95	22.50
3GPP Rel 6 HSUPA Subtest-5	22.70	22.60	22.60	24.00	22.50	22.70	22.40	24.00	22.37	22.37	22.37	24.00



Band 2 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.26	24.32	24.21	25.5	0		
20	QPSK	1	49	24.18	24.25	24.29				
20	QPSK	1	99	24.11	24.13	24.18				
20	QPSK	50	0	23.17	23.35	23.32	24.5	1		
20	QPSK	50	24	23.33	23.33	23.25				
20	QPSK	50	50	23.18	23.31	23.20				
20	QPSK	100	0	23.16	23.27	23.26	24.5	1		
20	16QAM	1	0	23.43	23.49	23.40				
20	16QAM	1	49	23.37	23.61	23.58				
20	16QAM	1	99	23.35	23.37	23.33				
20	16QAM	50	0	22.23	22.35	22.38	23.5	2		
20	16QAM	50	24	22.38	22.37	22.41				
20	16QAM	50	50	22.26	22.35	22.22				
20	16QAM	100	0	22.21	22.31	22.31	23.5	2		
20	64QAM	1	0	22.29	22.35	22.29				
20	64QAM	1	49	22.42	22.46	22.47				
20	64QAM	1	99	22.27	22.23	22.21	22.5	3		
20	64QAM	50	0	21.21	21.35	21.38				
20	64QAM	50	24	21.37	21.35	21.37				
20	64QAM	50	50	21.24	21.33	21.23				
20	64QAM	100	0	21.20	21.31	21.28				
Channel										
Frequency (MHz)										
15	QPSK	1	0	24.07	24.20	24.03	25.5	0		
15	QPSK	1	37	24.21	24.27	24.13				
15	QPSK	1	74	24.02	24.07	24.13				
15	QPSK	36	0	23.13	23.16	23.18	24.5	1		
15	QPSK	36	20	23.15	23.21	23.29				
15	QPSK	36	39	23.26	23.26	23.15				
15	QPSK	75	0	23.23	23.11	23.27	24.5	1		
15	16QAM	1	0	23.32	23.13	23.23				
15	16QAM	1	37	23.26	23.35	23.17				
15	16QAM	1	74	23.12	23.25	23.24	23.5	2		
15	16QAM	36	0	22.17	22.19	22.28				
15	16QAM	36	20	22.18	22.22	22.24				
15	16QAM	36	39	22.21	22.32	22.22	23.5	2		
15	16QAM	75	0	22.22	22.18	22.23				
15	64QAM	1	0	22.16	22.28	22.05	23.5	2		
15	64QAM	1	37	22.29	22.08	22.19				
15	64QAM	1	74	22.35	22.10	22.05				
15	64QAM	36	0	21.06	21.31	21.21	22.5	3		
15	64QAM	36	20	21.28	21.20	21.20				
15	64QAM	36	39	21.26	21.16	21.19				
15	64QAM	75	0	21.21	21.23	21.25				
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.05	24.13	24.05	25.5	0		
10	QPSK	1	25	24.15	24.28	24.20				
10	QPSK	1	49	23.99	24.13	24.07				
10	QPSK	25	0	23.06	23.16	23.13	24.5	1		
10	QPSK	25	12	23.27	23.21	23.25				
10	QPSK	25	25	23.21	23.20	23.22				
10	QPSK	50	0	23.20	23.37	23.15	24.5	1		
10	16QAM	1	0	23.21	23.38	23.18				
10	16QAM	1	25	23.42	23.44	23.29				
10	16QAM	1	49	23.43	23.12	23.21	23.5	2		
10	16QAM	25	0	22.10	22.11	22.15				
10	16QAM	25	12	22.27	22.16	22.15				
10	16QAM	25	25	22.18	22.17	22.23	23.5	2		
10	64QAM	1	0	22.20	22.06	22.22				
10	64QAM	1	0	22.20	22.37	22.37	23.5	2		
10	64QAM	1	25	22.39	22.31	22.38				
10	64QAM	1	49	22.39	22.30	22.30	22.5	3		
10	64QAM	25	0	21.01	21.12	21.16				
10	64QAM	25	12	21.13	21.22	21.20				
10	64QAM	25	25	21.27	21.14	21.17				
10	64QAM	50	0	21.12	21.22	21.19				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.05	24.02	24.00	25.5	0		
5	QPSK	1	12	23.82	23.99	24.02				
5	QPSK	12	0	22.86	23.12	23.15	24.5	1		
5	QPSK	12	7	23.19	23.16	23.09				
5	QPSK	25	0	23.06	23.03	23.01				
5	16QAM	1	0	23.11	23.17	23.22	24.5	1		
5	16QAM	1	12	23.42	23.33	23.37				
5	16QAM	1	24	23.20	23.37	23.14	23.5	2		
5	16QAM	12	0	22.02	22.18	22.11				
5	16QAM	12	7	22.07	22.27	22.19	23.5	2		
5	16QAM	12	13	22.12	22.16	21.95				
5	16QAM	25	0	22.07	22.09	22.12	23.5	2		
5	64QAM	1	0	21.98	22.23	22.14				
5	64QAM	1	12	22.14	22.30	22.33	22.5	3		
5	64QAM	1	24	22.05	21.94	22.02				
5	64QAM	12	7	21.15	21.15	21.09				
5	64QAM	12	13	20.99	21.08	20.98				
5	64QAM	25	0	21.09	21.02	21.08				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.12	24.15	24.06	25.5	0		
3	QPSK	1	8	24.09	23.84	24.01				
3	QPSK	1	14	23.90	23.99	23.89	24.5	1		
3	QPSK	8	4	23.07	23.16	23.18				
3	QPSK	8	4	23.15	23.15	23.07				
3	QPSK	8	7	23.02	23.03	22.96	24.5	1		
3	QPSK	15	0	22.97	23.12	23.13				
3	16QAM	1	0	23.22	23.35	23.31	24.5	1		
3	16QAM	1	8	23.26	23.34	23.35				
3	16QAM	1	14	23.07	23.20	23.07	23.5	2		
3	16QAM	8	0	21.97	22.07	22.06				
3	16QAM	8	7	22.11	22.25	22.13	23.5	2		
3	16QAM	8	7	22.14	22.22	22.03				
3	16QAM	15	0	22.04	22.16	22.15	23.5	2		
3	64QAM	1	0	21.99	22.18	22.08				
3	64QAM	1	8	22.19	22.28	22.30	22.5	3		
3	64QAM	1	14	21.95	22.03	22.08				
3	64QAM	8	0	21.12	21.21	21.19	22.5	3		
3	64QAM	8	4	21.13	21.06	21.25				
3	64QAM	8	7	20.94	21.19	20.99				
3	64QAM	15	0	21.05	21.00	20.97				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.04	24.03	23.95	25.5	0		
1.4	QPSK	1	3	23.89	23.99	24.00				
1.4	QPSK	1	5	23.83	23.93	23.98	24.5	1		
1.4	QPSK	3	0	24.02	23.95	23.88				
1.4	QPSK	3	1	23.68	23.97	23.79	24.5	1		
1.4	QPSK	3	3	23.68	23.95	23.84				
1.4	QPSK	6	0	22.98	22.99	22.98	23.5	2		
1.4	16QAM	1	0	23.37	23.37	23.29				
1.4	16QAM	1	3	23.38	23.32	23.37	24.5	1		
1.4	16QAM	1	5	23.03	23.22	23.35				
1.4	16QAM	3	0	23.16	23.29	23.15	23.5	2		
1.4	16QAM	3	1	23.35	23.11	23.20				
1.4	16QAM	3	3	22.92	23.03	23.08	23.5	2		
1.4	16QAM	6	0	22.00	22.12	22.11				
1.4	64QAM	1	0	22.14	22.20	21.98	23.5	2		
1.4	64QAM	1	3	22.11	22.17	22.21				
1.4	64QAM	1	5	22.12	21.95	21.92	22.5	3		
1.4	64QAM	3	0	21.90	22.06	22.10				
1.4	64QAM	3	1	22.21	22.14	22.06	22.5	3		
1.4	64QAM	3	3	22.10	22.15	21.92				
1.4	64QAM	6	0	20.95	21.14	20.96				

Band 4 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.28	24.35	24.10	25.5	0		
20	QPSK	1	49	24.21	24.33	24.25				
20	QPSK	1	99	24.18	24.14	24.07				
20	QPSK	50	0	23.26	23.41	23.25	24.5	1		
20	QPSK	50	24	23.35	23.37	23.33				
20	QPSK	50	50	23.40	23.32	23.20			</	



Band 7 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	24.16	24.36	24.12	25.5	0		
20	QPSK	1	49	24.29	24.17	24.25				
20	QPSK	1	99	24.21	24.24	24.06				
20	QPSK	50	0	23.26	23.41	23.25				
20	QPSK	50	24	23.33	23.36	23.34	24.5	1		
20	QPSK	50	50	23.30	23.36	23.12				
20	QPSK	100	0	23.29	23.38	23.16				
20	16QAM	1	0	23.44	23.31	23.25	24.5	1		
20	16QAM	1	49	23.47	23.51	23.53				
20	16QAM	1	99	23.53	23.45	23.36				
20	16QAM	50	0	22.28	22.30	22.22				
20	16QAM	50	24	22.44	22.37	22.31	23.5	2		
20	16QAM	50	50	22.47	22.36	22.21				
20	16QAM	100	0	22.33	22.28	22.16				
20	64QAM	1	0	22.36	22.22	22.34				
20	64QAM	1	49	22.28	22.36	22.37	23.5	2		
20	64QAM	1	99	22.39	22.33	22.24				
20	64QAM	50	0	21.25	21.27	21.24				
20	64QAM	50	24	21.32	21.38	21.32	22.5	3		
20	64QAM	50	50	21.41	21.37	21.11				
20	64QAM	100	0	21.36	21.29	21.18				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	24.07	24.24	24.07	25.5	0		
15	QPSK	1	37	24.21	24.03	24.27				
15	QPSK	1	74	24.22	24.18	23.93				
15	QPSK	36	0	23.19	23.37	23.24	24.5	1		
15	QPSK	36	20	23.29	23.26	23.31				
15	QPSK	36	39	23.19	23.23	23.11				
15	QPSK	75	0	23.10	23.27	23.15				
15	16QAM	1	0	23.29	23.12	23.25	24.5	1		
15	16QAM	1	37	23.39	23.44	23.39				
15	16QAM	1	74	23.47	23.41	23.24				
15	16QAM	36	0	22.22	22.22	22.12	23.5	2		
15	16QAM	36	20	22.38	22.36	22.14				
15	16QAM	36	39	22.34	22.15	22.00				
15	16QAM	75	0	22.11	22.28	21.98				
15	64QAM	1	0	22.32	22.06	22.32	23.5	2		
15	64QAM	1	37	22.13	22.33	22.38				
15	64QAM	1	74	22.26	22.34	22.05				
15	64QAM	36	0	21.21	21.22	21.19				
15	64QAM	36	20	21.26	21.28	21.17	22.5	3		
15	64QAM	36	39	21.37	21.25	21.07				
15	64QAM	75	0	21.28	21.28	21.20				
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	23.99	24.16	23.89	25.5	0		
10	QPSK	1	25	24.06	23.97	24.20				
10	QPSK	1	49	24.00	24.10	23.83				
10	QPSK	25	0	23.02	23.26	23.15	24.5	1		
10	QPSK	25	12	23.23	23.15	23.27				
10	QPSK	25	25	23.09	23.24	23.21				
10	QPSK	50	0	23.09	23.23	23.05				
10	16QAM	1	0	23.18	23.26	23.05	24.5	1		
10	16QAM	1	25	23.21	23.41	23.27				
10	16QAM	1	49	23.32	23.26	23.25				
10	16QAM	25	0	22.13	22.09	21.96	23.5	2		
10	16QAM	25	12	22.27	22.25	22.28				
10	16QAM	25	25	22.27	22.19	22.01				
10	16QAM	50	0	22.22	22.05	21.95				
10	64QAM	1	0	22.27	22.11	22.06	23.5	2		
10	64QAM	1	25	22.20	22.15	22.33				
10	64QAM	1	49	22.24	22.11	22.15				
10	64QAM	25	0	21.07	21.07	21.14	22.5	3		
10	64QAM	25	12	21.09	21.24	21.28				
10	64QAM	25	25	21.18	21.12	20.99				
10	64QAM	50	0	21.27	21.23	21.05				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	24.01	24.13	23.95	25.5	0		
5	QPSK	1	12	24.00	23.89	24.07				
5	QPSK	1	24	24.04	23.96	23.83				
5	QPSK	12	0	23.09	23.22	23.09	24.5	1		
5	QPSK	12	7	23.18	23.16	23.18				
5	QPSK	12	13	23.02	23.14	23.02				
5	QPSK	25	0	23.02	23.28	22.92				
5	16QAM	1	0	23.28	23.13	23.15	24.5	1		
5	16QAM	1	12	23.35	23.21	23.44				
5	16QAM	1	24	23.26	23.27	23.07				
5	16QAM	12	0	22.06	22.14	21.93	23.5	2		
5	16QAM	12	7	22.22	22.17	21.99				
5	16QAM	12	13	22.16	22.18	21.99				
5	16QAM	25	0	22.05	22.09	22.05				
5	64QAM	1	0	22.24	21.98	22.25	23.5	2		
5	64QAM	1	12	22.18	22.07	22.26				
5	64QAM	1	24	22.21	22.14	22.04				
5	64QAM	12	0	21.17	21.01	21.01	22.5	3		
5	64QAM	12	7	21.15	21.27	21.20				
5	64QAM	12	13	21.25	21.21	20.98				
5	64QAM	25	0	21.08	21.18	20.93				

Band 12 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23190				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	24.34	24.53	24.34	25.5	0		
10	QPSK	1	25	24.49	24.47	24.44				
10	QPSK	1	49	24.47	24.35	24.37				
10	QPSK	25	0	23.35	23.58	23.30	24.5	1		
10	QPSK	25	12	23.52	23.47	23.49				
10	QPSK	25	25	23.51	23.36	23.39				
10	QPSK	50	0	23.35	23.46	23.38				
10	16QAM	1	0	23.56	23.59	23.61	24.5	1		
10	16QAM	1	25	23.74	23.71	23.68				
10	16QAM	1	49	23.70	23.70	23.66				
10	16QAM	25	0	22.32	22.37	22.26	23.5	2		
10	16QAM	25	12	22.49	22.45	22.44				
10	16QAM	25	25	22.53	22.42	22.33				
10	16QAM	50	0	22.45	22.38	22.35				
10	64QAM	1	0	22.48	22.48	22.50	23.5	2		
10	64QAM	1	25	22.63	22.61	22.57				
10	64QAM	1	49	22.61	22.62	22.56				
10	64QAM	25	0	21.29	21.34	21.23	22.5	3		
10	64QAM	25	12	21.46	21.43	21.44				
10	64QAM	25	25	21.46	21.44	21.33				
10	64QAM	50	0	21.44	21.37	21.32				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	24.28	24.40	24.19	25.5	0		
5	QPSK	1	12	24.40	24.40	24.29				
5	QPSK	1	24	24.45	24.17	24.28				
5	QPSK	12	0	23.26	23.37	23.20	24.5	1		
5	QPSK	12	7	23.48	23.49	23.34				
5	QPSK	12	13	23.47	23.36	23.26				
5	QPSK	25	0	23.37	23.29	23.22				
5	16QAM	1	0	23.57	23.57	23.41	24.5	1		
5	16QAM	1	12	23.69	23.52	23.47				
5	16QAM	1	24	23.51	23.69	23.61				
5	16QAM	12	0	22.12	22.30	22.28	23.5	2		
5	16QAM	12	7	22.34	22.45	22.40				
5	16QAM	12	13	22.33	22.35	22.14				
5	16QAM	25	0	22.28	22.28	22.15				
5	64QAM	1	0	22.32	22.42	22.45	23.5	2		
5	64									



Band 17 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23790	23790	23800				
Frequency (MHz)				769	710	711				
10	QPSK	1	0	24.28	24.43	24.28	25.5	0		
10	QPSK	1	25	24.40	24.38	24.41				
10	QPSK	1	49	24.42	24.39	24.25				
10	QPSK	25	0	23.20	23.44	23.25				
10	QPSK	25	12	23.24	23.40	23.42	24.5	1		
10	QPSK	25	25	23.35	23.34	23.36				
10	QPSK	50	0	23.28	23.32	23.30				
10	16QAM	1	0	23.51	23.52	23.54	24.5	1		
10	16QAM	1	25	23.64	23.63	23.64				
10	16QAM	1	49	23.65	23.61	23.65				
10	16QAM	25	0	22.18	22.16	22.19				
10	16QAM	25	12	22.39	22.37	22.38	23.5	2		
10	16QAM	25	25	22.30	22.29	22.29				
10	16QAM	50	0	22.27	22.26	22.27				
10	64QAM	1	0	22.40	22.42	22.43	23.5	2		
10	64QAM	1	25	22.54	22.50	22.54				
10	64QAM	1	49	22.56	22.51	22.56				
10	64QAM	25	0	21.16	21.14	21.20				
10	64QAM	25	12	21.38	21.37	21.39	22.5	3		
10	64QAM	25	25	21.29	21.26	21.28				
10	64QAM	50	0	21.25	21.23	21.24				
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	24.02	24.31	24.15	25.5	0		
5	QPSK	1	12	24.21	24.10	24.27				
5	QPSK	1	24	24.12	24.30	23.96				
5	QPSK	12	0	23.01	23.30	22.99	24.5	1		
5	QPSK	12	7	22.94	23.14	23.33				
5	QPSK	12	13	23.05	23.19	23.16				
5	QPSK	25	0	23.03	23.00	23.17				
5	16QAM	1	0	23.20	23.24	23.29	24.5	1		
5	16QAM	1	12	23.53	23.41	23.34				
5	16QAM	1	24	23.55	23.34	23.41				
5	16QAM	12	0	21.89	22.04	22.00	23.5	2		
5	16QAM	12	7	22.24	22.21	22.27				
5	16QAM	12	13	22.12	22.01	21.98				
5	16QAM	25	0	21.97	21.94	22.00				
5	64QAM	1	0	22.26	22.18	22.25	23.5	2		
5	64QAM	1	12	22.23	22.37	22.22				
5	64QAM	1	24	22.26	22.32	22.44				
5	64QAM	12	0	20.86	21.03	20.93	22.5	3		
5	64QAM	12	7	21.09	21.12	21.12				
5	64QAM	12	13	21.01	21.14	21.19				
5	64QAM	25	0	21.15	21.15	20.97				

Band 66 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				132072	132322	132572				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	24.28	24.37	24.28	25.5	0		
20	QPSK	1	49	24.22	24.14	24.20				
20	QPSK	1	99	24.12	24.06	24.07				
20	QPSK	50	0	23.29	23.42	23.15	24.5	1		
20	QPSK	50	24	23.39	23.37	23.22				
20	QPSK	50	50	23.34	23.25	23.15				
20	QPSK	100	0	23.26	23.35	23.13	24.5	1		
20	16QAM	1	0	23.46	23.37	23.32	24.5	1		
20	16QAM	1	49	23.48	23.41	23.45				
20	16QAM	1	99	23.35	23.32	23.27				
20	16QAM	50	0	22.36	22.39	22.24	23.5	2		
20	16QAM	50	24	22.42	22.43	22.28				
20	16QAM	50	50	22.43	22.31	22.12				
20	16QAM	100	0	22.40	22.33	22.17				
20	64QAM	1	0	22.44	22.26	22.20	23.5	2		
20	64QAM	1	49	22.41	22.47	22.36				
20	64QAM	1	99	22.27	22.19	22.24				
20	64QAM	50	0	21.35	21.38	21.22	22.5	3		
20	64QAM	50	24	21.46	21.41	21.30				
20	64QAM	50	50	21.47	21.30	21.16				
20	64QAM	100	0	21.42	21.32	21.18				
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	24.18	24.24	24.06	25.5	0		
15	QPSK	1	37	24.06	24.16	24.10				
15	QPSK	1	74	23.93	24.03	24.05				
15	QPSK	36	0	23.09	23.38	23.04	24.5	1		
15	QPSK	36	20	23.25	23.37	23.07				
15	QPSK	36	39	23.12	23.14	23.16				
15	QPSK	75	0	23.28	23.14	23.06	24.5	1		
15	16QAM	1	0	23.45	23.25	23.26				
15	16QAM	1	37	23.45	23.31	23.29	24.5	1		
15	16QAM	1	74	23.24	23.30	23.22				
15	16QAM	36	0	22.21	22.35	22.05	23.5	2		
15	16QAM	36	20	22.32	22.28	22.23				
15	16QAM	36	39	22.22	22.26	22.36				
15	16QAM	75	0	22.40	22.23	22.14				
15	64QAM	1	0	22.38	22.09	22.02	23.5	2		
15	64QAM	1	37	22.33	22.39	22.16				
15	64QAM	1	74	22.11	22.07	22.25				
15	64QAM	36	0	21.25	21.29	21.18	22.5	3		
15	64QAM	36	20	21.40	21.29	21.19				
15	64QAM	36	39	21.28	21.09	21.01				
15	64QAM	75	0	21.33	21.14	21.15				
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	24.21	24.16	24.03	25.5	0		
10	QPSK	1	25	24.12	24.12	24.15				
10	QPSK	1	49	24.10	23.96	24.01				
10	QPSK	25	0	23.25	23.30	23.04	24.5	1		
10	QPSK	25	12	23.35	23.22	23.05				
10	QPSK	25	25	23.26	23.16	23.08				
10	16QAM	1	0	23.21	23.27	23.33	24.5	1		
10	16QAM	1	0	23.41	23.38	23.11				
10	16QAM	1	25	23.40	23.23	23.27				
10	16QAM	1	49	23.29	23.21	23.12	23.5	2		
10	16QAM	25	0	22.21	22.22	22.17				
10	16QAM	25	12	22.29	22.27	22.16				
10	16QAM	25	25	22.27	22.12	21.91				
10	16QAM	50	0	22.29	22.24	21.99	23.5	2		
10	64QAM	1	0	22.42	22.08	22.10	23.5	2		
10	64QAM	1	25	22.32	22.37	22.31				
10	64QAM	1	49	22.19	22.14	22.08				
10	64QAM	25	0	21.25	21.33	21.04	22.5	3		
10	64QAM	25	12	21.35	21.32	21.24				
10	64QAM	25	25	21.34	21.13	21.12				
10	64QAM	50	0	21.34	21.23	21.14				
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	24.19	24.24	23.93	25.5	0		
5	QPSK	1	12	24.06	24.01	24.09				
5	QPSK	1	24	24.03	24.02	23.86				
5	QPSK	12	0	23.15	23.19	23.07	24.5	1		
5	QPSK	12	7	23.35	23.14	23.09				
5	QPSK	12	13	23.25	23.22	23.08				
5	QPSK	25	0	23.07	23.17	23.06	24.5	1		
5	16QAM	1	0	23.23	23.33	23.22				
5	16QAM	1	12	23.36	23.25	23.38	24.5	1		
5	16QAM	1	24	23.25	23.22	23.18				
5	16QAM	12	0	22.29	22.31	22.26	23.5	2		
5	16QAM	12	7	22.24	22.28	22.16				
5	16QAM	12	13	22.30	22.10	21.93				
5	16QAM	25	0	22.20	22.21	21.98				
5	64QAM	1	0	22.21	22.02	22.14	23			



Band 38 Ant2 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	24.23	24.27	23.98	25.5	0		
20	QPSK	1	49	24.17	24.26	24.23				
20	QPSK	1	99	24.12	24.06	24.10				
20	QPSK	50	0	23.06	23.21	23.05	24.5	1		
20	QPSK	50	24	23.17	23.12	23.08				
20	QPSK	50	50	23.16	23.13	23.13				
20	QPSK	100	0	23.13	23.15	23.14	24.5	1		
20	16QAM	1	0	23.11	23.04	23.05				
20	16QAM	1	49	23.31	23.14	23.29				
20	16QAM	1	99	23.15	23.12	23.14	23.5	2		
20	16QAM	50	0	22.20	22.21	22.20				
20	16QAM	50	24	22.34	22.33	22.32				
20	16QAM	50	50	22.28	22.28	22.25	23.5	2		
20	16QAM	100	0	22.23	22.17	22.22				
20	64QAM	1	0	21.88	21.99	21.82				
20	64QAM	1	49	22.10	22.07	22.07	22.5	3		
20	64QAM	1	99	21.93	21.98	21.91				
20	64QAM	50	0	21.13	21.16	21.12				
20	64QAM	50	24	21.27	21.26	21.26	22.5	3		
20	64QAM	50	50	21.21	21.20	21.18				
20	64QAM	100	0	21.26	21.23	21.29				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	24.13	24.09	23.85	25.5	0		
15	QPSK	1	57	24.11	24.03	23.80				
15	QPSK	1	74	24.13	23.90	23.80				
15	QPSK	36	0	22.97	23.15	23.04	24.5	1		
15	QPSK	36	20	23.01	23.02	22.89				
15	QPSK	36	39	23.09	23.05	22.91				
15	QPSK	75	0	23.13	23.12	22.99	24.5	1		
15	16QAM	1	0	23.08	23.02	23.01				
15	16QAM	1	57	23.27	23.10	23.23				
15	16QAM	1	74	23.12	22.91	22.99	23.5	2		
15	16QAM	36	0	22.10	22.06	22.05				
15	16QAM	36	20	22.14	22.29	22.31				
15	16QAM	36	39	22.15	22.15	22.26	23.5	2		
15	16QAM	75	0	22.23	22.16	22.19				
15	64QAM	1	0	21.74	21.81	21.81				
15	64QAM	1	57	21.85	22.06	21.86	22.5	2		
15	64QAM	1	74	21.90	21.77	21.75				
15	64QAM	36	0	21.09	21.15	21.13				
15	64QAM	36	20	21.18	21.16	21.11	22.5	3		
15	64QAM	36	39	21.18	21.04	21.02				
15	64QAM	75	0	21.26	21.02	21.30				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
10	QPSK	1	0	24.00	24.05	23.85	25.5	0		
10	QPSK	1	25	24.01	24.07	24.17				
10	QPSK	1	49	23.92	23.86	23.85				
10	QPSK	25	0	22.88	23.11	23.01	24.5	1		
10	QPSK	25	12	22.94	23.05	22.94				
10	QPSK	25	25	22.92	23.01	22.92				
10	QPSK	50	0	22.96	23.04	23.07	24.5	1		
10	16QAM	1	0	22.93	22.82	22.92				
10	16QAM	1	25	23.09	22.97	23.23				
10	16QAM	1	49	22.97	23.06	23.04	23.5	2		
10	16QAM	25	0	22.11	22.02	22.01				
10	16QAM	25	12	22.23	22.26	22.19				
10	16QAM	25	25	22.12	22.20	22.20	23.5	2		
10	16QAM	50	0	22.20	21.98	22.02				
10	64QAM	1	0	21.80	21.85	21.58				
10	64QAM	1	25	21.87	21.83	21.89	22.5	3		
10	64QAM	1	49	21.84	21.91	21.85				
10	64QAM	25	0	20.97	20.96	20.93				
10	64QAM	25	12	21.15	21.22	21.07	22.5	3		
10	64QAM	25	25	20.95	21.05	21.10				
10	64QAM	50	0	21.11	20.97	21.25				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	24.03	24.07	23.79	25.5	0		
5	QPSK	1	12	23.98	24.01	24.05				
5	QPSK	1	24	23.93	23.85	23.93				
5	QPSK	12	0	22.76	22.92	22.75	24.5	1		
5	QPSK	12	7	22.84	23.00	22.91				
5	QPSK	12	13	22.92	22.91	22.86				
5	QPSK	25	0	22.94	23.05	22.85	24.5	1		
5	16QAM	1	0	22.94	22.79	22.83				
5	16QAM	1	12	23.17	22.89	23.06				
5	16QAM	1	24	22.90	22.89	22.94	23.5	2		
5	16QAM	12	0	21.95	22.08	22.04				
5	16QAM	12	7	22.11	22.19	22.16				
5	16QAM	12	13	22.05	21.97	21.93	23.5	2		
5	16QAM	25	0	21.98	21.93	21.99				
5	64QAM	1	0	21.69	21.90	21.73				
5	64QAM	1	12	21.94	21.76	21.88	23.5	2		
5	64QAM	1	24	21.74	21.80	21.78				
5	64QAM	12	0	20.97	21.01	20.98				
5	64QAM	12	7	20.99	20.99	21.11	22.5	3		
5	64QAM	12	13	21.06	20.99	21.05				
5	64QAM	25	0	21.16	20.95	21.18				

Band 41 Ant2 Default												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37750	40185	40600	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.28	24.21	24.34	24.22	24.31	25.5	0		
20	QPSK	1	49	24.33	24.19	24.09	24.23	24.33				
20	QPSK	1	99	24.07	24.13	24.07	24.16	24.09				
20	QPSK	50	0	23.12	22.98	23.25	23.10	23.18	24.5	1		
20	QPSK	50	24	23.18	23.10	23.00	23.15	23.23				
20	QPSK	50	50	23.23	23.05	23.00	23.03	23.12				
20	QPSK	100	0	23.22	23.03	23.23	23.14	23.09	24.5	1		
20	16QAM	1	0	23.27	22.98	23.19	23.06	23.12				
20	16QAM	1	49	23.24	23.14	23.13	23.27	23.31				
20	16QAM	1	99	23.14	23.24	22.98	23.09	23.07	23.5	2		
20	16QAM	50	0	22.22	22.06	22.85	22.19	22.32				
20	16QAM	50	24	22.35	22.19	22.15	22.29	22.37				
20	16QAM	50	50	22.35	22.19	22.15	22.19	22.24	23.5	2		
20	16QAM	100	0	22.29	22.12	22.07	22.21	22.30				
20	64QAM	1	0	22.43	22.40	22.36	22.48	22.39				
20	64QAM	1	49	22.67	22.51	22.41	22.57	22.65	23.5	2		
20	64QAM	1	99	22.41	22.37	22.49	22.39	22.37				
20	64QAM	50	0	21.86	21.84	21.47	21.84	21.75				
20	64QAM	50	24	21.79	21.65	21.56	21.73	21.80	22.5	3		
20	64QAM	50	50	21.77	21.63	21.58	21.61	21.68				
20	64QAM	100	0	21.80	21.65	21.61	21.73	21.85				
Channel				37725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2546.3	2593	2637.8	2682.5				
15	QPSK	1	0	24.27	24.17	24.24	24.24	24.26	25.50	0		
15	QPSK	1	57	24.17	24.03	23.80	24.17	24.20				
15	QPSK	1	74	24.04	24.08	23.86	24.12	24.03				
15	QPSK	36	0	23.11	22.85	23.20	23.09	23.07	24.5	1		
15	QPSK	36	20	23.10	23.10	22.97	23.01	23.20				
15	QPSK	36	39	23.15	22.85	22.89	22.84	22.92				
15	QPSK	75	0	23.17	22.88	23.06	23.04	23.08	24.5	1		
15	16QAM	1	0	23.24	22.87	23.17	22.95	22.98				
15	16QAM	1	57	23.36	22.87	23.11	23.25	23.14				
15	16QAM	1	74	23.11	23.16	22.89	22.93	23.02	23.5	2		
15	16QAM	36	0	22.22	22.01	21.91	22.07	22.12				
15	16QAM	36	20	22.26	22.13	22.02	22.13	22.27				
15	16QAM	36	39	22.20	22.12							



Band 2 Ant4 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				1870	1880	1910						
Frequency (MHz)												
20	QPSK	1	0	24.46	24.67	24.51	25.5	0				
20	QPSK	1	49	24.31	24.47	24.44						
20	QPSK	1	99	24.38	24.59	24.37						
20	QPSK	50	0	23.59	23.70	23.50						
20	QPSK	50	24	23.47	23.55	23.56	24.5	1				
20	QPSK	50	50	23.29	23.35	23.40						
20	QPSK	100	0	23.45	23.62	23.42						
20	16QAM	1	0	23.39	23.65	23.46						
20	16QAM	1	49	23.26	23.50	23.45	24.5	1				
20	16QAM	1	99	23.33	23.60	23.38						
20	16QAM	50	0	22.53	22.52	22.41						
20	16QAM	50	24	22.33	22.57	22.47						
20	16QAM	50	50	22.28	22.54	22.41	23.5	2				
20	16QAM	100	0	22.43	22.66	22.33						
20	64QAM	1	0	22.56	22.65	22.40						
20	64QAM	1	49	22.47	22.74	22.44						
20	64QAM	1	99	22.28	22.39	22.52	23.5	2				
20	64QAM	50	0	21.51	21.56	21.41						
20	64QAM	50	24	21.50	21.77	21.51						
20	64QAM	50	50	21.46	21.67	21.47						
20	64QAM	100	0	21.19	21.50	21.57	22.5	3				
Channel				1867.5	1890	1912.5						
Frequency (MHz)				1857.5	1880	1902.5						
15	QPSK	1	0	24.34	24.49	24.40			25.5	0		
15	QPSK	1	37	24.32	24.46	24.39						
15	QPSK	1	74	24.21	24.57	24.34						
15	QPSK	36	0	23.51	23.40	23.45						
15	QPSK	36	20	23.40	23.52	23.37	24.5	1				
15	QPSK	36	39	23.23	23.14	23.38						
15	QPSK	75	0	23.45	23.47	23.37						
15	16QAM	1	0	23.18	23.47	23.44						
15	16QAM	1	37	23.09	23.44	23.40	24.5	1				
15	16QAM	1	74	23.30	23.55	23.23						
15	16QAM	36	0	22.38	22.42	22.33						
15	16QAM	36	20	22.20	22.30	22.26						
15	16QAM	36	39	22.10	22.33	22.38	23.5	2				
15	16QAM	75	0	22.34	22.60	22.23						
15	64QAM	1	0	22.38	22.44	22.33						
15	64QAM	1	37	22.31	22.53	22.25						
15	64QAM	1	74	22.06	22.40	22.38	23.5	2				
15	64QAM	36	0	21.34	21.47	21.24						
15	64QAM	36	20	21.39	21.59	21.34						
15	64QAM	36	39	21.39	21.58	21.29						
15	64QAM	75	0	21.08	21.35	21.48	22.5	3				
Channel				1865.0	1890.0	1915.0						
Frequency (MHz)				1855	1880	1905						
10	QPSK	1	0	24.41	24.47	24.38			25.5	0		
10	QPSK	1	25	24.30	24.35	24.39						
10	QPSK	1	49	24.37	24.42	24.27						
10	QPSK	25	0	23.55	23.69	23.45						
10	QPSK	25	12	23.28	23.55	23.44	24.5	1				
10	QPSK	25	25	23.19	23.32	23.33						
10	QPSK	50	0	23.32	23.50	23.33						
10	16QAM	1	0	23.40	23.61	23.49						
10	16QAM	1	25	23.24	23.49	23.26	24.5	1				
10	16QAM	1	49	23.13	23.56	23.16						
10	16QAM	25	0	22.38	22.31	22.37						
10	16QAM	25	12	22.16	22.36	22.48						
10	16QAM	25	25	22.26	22.33	22.34	23.5	2				
10	16QAM	50	0	22.32	22.65	22.36						
10	64QAM	1	0	22.58	22.45	22.26						
10	64QAM	1	25	22.38	22.56	22.36						
10	64QAM	1	49	22.11	22.37	22.32	23.5	2				
10	64QAM	25	0	21.42	21.50	21.39						
10	64QAM	25	12	21.51	21.75	21.47						
10	64QAM	25	25	21.35	21.47	21.40						
10	64QAM	50	0	21.11	21.35	21.57	22.5	3				
Channel				1862.5	1890.0	1917.5						
Frequency (MHz)				1852.5	1880	1907.5						
5	QPSK	1	0	24.37	24.52	24.43			25.5	0		
5	QPSK	1	12	24.16	24.42	24.33						
5	QPSK	1	24	24.31	24.60	24.15						
5	QPSK	12	0	23.41	23.62	23.43						
5	QPSK	12	7	23.35	23.55	23.48	24.5	1				
5	QPSK	12	13	23.16	23.13	23.23						
5	QPSK	25	0	23.44	23.43	23.23						
5	16QAM	1	0	23.21	23.53	23.32						
5	16QAM	1	12	23.08	23.37	23.26	24.5	1				
5	16QAM	1	24	23.24	23.48	23.31						
5	16QAM	12	0	22.52	22.46	22.26						
5	16QAM	12	7	22.29	22.54	22.46						
5	16QAM	12	13	22.18	22.32	22.41	23.5	2				
5	16QAM	25	0	22.22	22.55	22.24						
5	64QAM	1	0	22.46	22.57	22.23						
5	64QAM	1	12	22.42	22.70	22.22						
5	64QAM	1	24	22.23	22.36	22.31	23.5	2				
5	64QAM	12	0	21.38	21.44	21.33						
5	64QAM	12	7	21.45	21.63	21.35						
5	64QAM	12	13	21.36	21.54	21.34						
5	64QAM	25	0	21.18	21.30	21.44	22.5	3				
Channel				1861.5	1890.0	1916.5						
Frequency (MHz)				1851.5	1880	1908.5						
3	QPSK	1	0	24.36	24.62	24.46			25.5	0		
3	QPSK	1	8	24.13	24.44	24.34						
3	QPSK	1	14	24.35	24.45	24.25						
3	QPSK	8	0	23.51	23.49	23.35						
3	QPSK	8	4	23.43	23.38	23.48	24.5	1				
3	QPSK	8	7	23.10	23.28	23.21						
3	QPSK	15	0	23.45	23.55	23.29						
3	16QAM	1	0	23.40	23.51	23.30						
3	16QAM	1	8	23.21	23.43	23.35	24.5	1				
3	16QAM	1	14	23.34	23.58	23.34						
3	16QAM	8	0	22.51	22.35	22.25						
3	16QAM	8	4	22.20	22.56	22.39						
3	16QAM	8	7	22.21	22.47	22.40	23.5	2				
3	16QAM	15	0	22.32	22.57	22.24						
3	64QAM	1	0	22.56	22.66	22.34						
3	64QAM	1	8	22.47	22.66	22.30						
3	64QAM	1	14	22.22	22.28	22.52	23.5	2				
3	64QAM	8	0	21.33	21.51	21.40						
3	64QAM	8	4	21.50	21.56	21.30						
3	64QAM	8	7	21.33	21.67	21.32						
3	64QAM	15	0	21.14	21.34	21.56	22.5	3				
Channel				1860.7	1890.0	1910.3						
Frequency (MHz)				1850.7	1880	1909.3						
1.4	QPSK	1	0	24.24	24.47	24.34			25.5	0		
1.4	QPSK	1	3	24.04	24.24	24.31						
1.4	QPSK	1	5	24.31	24.42	24.25						
1.4	QPSK	3	0	24.21	24.50	24.42						
1.4	QPSK	3	3	24.11	24.36	24.20	24.5	1				
1.4	QPSK	3	3	24.21	24.26	24.13						
1.4	QPSK	6	0	23.17	23.44	23.14						
1.4	16QAM	1	0	23.33	23.47	23.29						
1.4	16QAM	1	3	23.07	23.34	23.34	24.5	1				
1.4	16QAM	1	5	23.26	23.39	23.15						
1.4	16QAM	3	0	23.37	23.45	23.24						
1.4	16QAM	3	1	23.19	23.29	23.15						
1.4	16QAM	3	3	23.14	23.52	23.23	23.5	2				
1.4	16QAM	6	0	22.25	22.50	22.22						
1.4	64QAM	1	0	22.52	22.48	22.31						
1.4	64QAM	1	3	22.47	22.48	22.35						
1.4	64QAM	1	5	22.10	22.16	22.43	23.5	2				
1.4	64QAM	3	0	22.56	22.57	22.13						
1.4	64QAM	3	1	22.40	22.53	22.19						
1.4	64QAM	3	3	22.16	22.14	22.50						
1.4	64QAM	6	0	21.00	21.40	21.45	22.5	3				

Band 7 Ant4 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				20850	21100	21350						
Frequency (MHz)												
20	QPSK	1	0	24.07	24.23	24.02	25.5	0				
20	QPSK	1	49	24.00	24.19	23.97						
20	QPSK	1	99	24.08	24.10	23.89						
20	QPSK	50	0	23.00	23.19	23.03						
20	QPSK	50	24	23.11	23.15	23.03	24.5	1				
20	QPSK	50	50	23.00	23.09	22.86						
20	QPSK	100	0	23.01	23.11	22.97						
20	16QAM	1	0	22.95	23.12	22.86						
20	16QAM	1	49	22.84	23.00	22.86	24.5	1				
20	16QAM	1	99	22.97	23.08	22.80						
20	16QAM	50	0	21.87	21.96	22.02						
20	16QAM	50	24	22.02	22.01	21.87						
20	16QAM	50	50	21.94	21.96	21.81	23.5	2				
20	16QAM	100	0	21.99	21.97	21.83						
20	64QAM	1	0	21.84	22.07	21.86						
20	64QAM	1	49	22.04	22.12	21.88						
20	64QAM	1	99	22.06	22.10	21.89	23.5	2				
20	64QAM	50	0	21.02	20.90	20.72						
20	64QAM	50	24	20.79	21.01	20.81						
20	64QAM	50	50	21.04	21.05	20.98						
20	64QAM	100	0	20.97	21.02	20.97	22.5	3				
Channel				20825	21100	21375						
Frequency (MHz)				2070.5	2095	2122.5						
15	QPSK	1	0	23.93	24.09	23.97			25.5	0		
15	QPSK	1	37	23.92	24.08	23.93						
15	QPSK	1	74	24.00	24.01	23.87						
15	QPSK	36	0	22.80	23.05	22.85						
15	QPSK	36	20	23.08	22.93	22.95	24.5	1				
15	QPSK	36	39	22.92	23.03	22.76						
15	QPSK	75	0	22.93	22.91	22.83						
15	16QAM	1	0	22.84	22.90	22.68						
15	16QAM	1	37	22								



### Band 38 Ant4 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	21.64	21.82	21.89	23	0
20	QPSK	1	49	21.36	21.58	21.46		
20	QPSK	1	99	21.52	21.68	21.78		
20	QPSK	50	0	20.66	20.90	20.56		
20	QPSK	50	24	20.63	20.50	20.52	22	1
20	QPSK	50	99	20.78	20.59	20.59		
20	QPSK	100	0	20.59	20.70	20.64		
20	16QAM	1	0	20.44	20.65	20.80		
20	16QAM	1	49	20.48	20.53	20.62	22	1
20	16QAM	1	99	20.34	20.63	20.90		
20	16QAM	50	0	19.47	19.76	19.43		
20	16QAM	50	24	19.67	19.60	19.55		
20	16QAM	50	99	19.36	19.65	19.85		
20	16QAM	100	0	19.57	19.82	19.68		
20	64QAM	1	0	19.38	19.81	19.52		
20	64QAM	1	49	19.73	19.60	19.38	21	2
20	64QAM	1	99	19.56	19.77	19.67		
20	64QAM	50	0	18.72	18.75	18.62		
20	64QAM	50	24	18.43	18.86	18.79	20	3
20	64QAM	50	99	18.59	18.71	18.48		
20	64QAM	100	0	18.34	18.68	18.92		
Channel								
Frequency (MHz)								
15	QPSK	1	0	21.77	21.95	20.72	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	21.50	21.66	21.63		
15	QPSK	1	37	21.35	21.75	21.56	23	0
15	QPSK	1	74	21.45	21.70	21.69		
15	QPSK	36	0	20.36	20.78	20.69		
15	QPSK	36	20	20.39	20.51	20.37	22	1
15	QPSK	36	36	20.60	20.74	20.73		
15	QPSK	75	0	20.57	20.70	20.65		
15	16QAM	1	0	20.43	20.78	20.93		
15	16QAM	1	37	20.55	20.64	20.59	22	1
15	16QAM	1	74	20.42	20.59	20.84		
15	16QAM	36	0	19.99	19.96	19.46		
15	16QAM	36	20	19.72	19.76	19.64	21	2
15	16QAM	36	36	19.39	19.59	19.68		
15	16QAM	75	0	19.58	19.71	19.80		
15	64QAM	1	0	19.57	19.74	19.69		
15	64QAM	1	37	19.71	19.51	19.42	21	2
15	64QAM	1	74	19.46	19.67	19.60		
15	64QAM	36	0	18.68	18.78	18.62	20	3
15	64QAM	36	20	18.52	18.69	18.78		
15	64QAM	36	36	18.61	18.52	18.29		
15	64QAM	75	0	18.35	18.74	18.82		
Channel								
Frequency (MHz)								
10	QPSK	1	0	21.54	21.76	21.60	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	25	21.41	21.81	21.55	23	0
10	QPSK	1	49	21.43	21.73	21.69		
10	QPSK	25	0	20.49	20.70	20.58		
10	QPSK	25	12	20.79	20.57	20.68	22	1
10	QPSK	25	25	20.60	20.67	20.64		
10	QPSK	50	0	20.59	20.71	20.71		
10	16QAM	1	0	20.56	20.79	20.85		
10	16QAM	1	25	20.52	20.66	20.64	22	1
10	16QAM	1	49	20.40	20.69	20.64		
10	16QAM	25	0	19.51	19.71	19.40		
10	16QAM	25	12	19.74	19.71	19.55	21	2
10	16QAM	25	25	19.36	19.47	19.73		
10	16QAM	50	0	19.64	19.61	19.74		
10	64QAM	1	0	19.40	19.71	19.50		
10	64QAM	1	25	19.72	19.47	19.36	21	2
10	64QAM	1	49	19.39	19.66	19.73		
10	64QAM	25	0	18.61	18.70	18.56		
10	64QAM	25	12	18.49	18.91	18.85	20	3
10	64QAM	25	25	18.62	18.69	18.36		
10	64QAM	50	0	18.36	18.73	18.74		
Channel								
Frequency (MHz)								
5	QPSK	1	0	21.46	21.65	21.77	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	12	21.32	21.67	21.47	23	0
5	QPSK	1	24	21.42	21.65	21.73		
5	QPSK	12	0	20.49	20.74	20.69		
5	QPSK	12	7	20.74	20.67	20.53	22	1
5	QPSK	12	13	20.60	20.71	20.75		
5	QPSK	25	0	20.56	20.74	20.71		
5	16QAM	1	0	20.55	20.71	20.80		
5	16QAM	1	12	20.48	20.51	20.45	22	1
5	16QAM	1	24	20.38	20.67	20.67		
5	16QAM	12	0	19.43	19.71	19.50		
5	16QAM	12	7	19.57	19.77	19.51	21	2
5	16QAM	12	13	19.38	19.48	19.71		
5	16QAM	25	0	19.51	19.73	19.79		
5	64QAM	1	0	19.48	19.69	19.52		
5	64QAM	1	12	19.68	19.53	19.52	21	2
5	64QAM	1	24	19.46	19.64	19.74		
5	64QAM	12	0	18.49	18.79	18.60		
5	64QAM	12	7	18.55	18.70	18.86	20	3
5	64QAM	12	13	18.60	18.63	18.36		
5	64QAM	25	0	18.26	18.71	18.77		

### Band 41 Ant4 Default

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	21.50	21.66	21.83	21.82	21.80
20	QPSK	1	49	21.42	21.52	21.79	21.61	21.64
20	QPSK	1	99	21.46	21.60	21.78	21.80	21.59
20	QPSK	50	0	20.65	20.71	20.82	20.75	20.87
20	QPSK	50	24	20.60	20.81	20.69	20.68	20.60
20	QPSK	50	99	20.67	20.78	20.89	20.78	20.59
20	QPSK	100	0	20.58	20.78	20.80	20.73	20.80
20	16QAM	1	0	20.60	20.65	20.82	20.62	20.77
20	16QAM	1	49	20.74	20.64	20.68	20.64	20.56
20	16QAM	1	99	20.95	20.61	20.74	20.76	20.68
20	16QAM	50	0	19.68	19.64	19.77	19.57	19.87
20	16QAM	50	24	19.58	19.72	19.77	19.70	19.51
20	16QAM	50	99	19.61	19.43	19.68	19.87	19.67
20	16QAM	100	0	19.50	19.70	19.72	19.82	19.75
20	64QAM	1	0	19.62	19.59	19.69	19.61	19.84
20	64QAM	1	49	19.45	19.72	19.62	19.56	19.56
20	64QAM	1	99	19.62	19.57	19.77	19.70	19.52
20	64QAM	50	0	18.90	18.70	18.87	18.76	18.86
20	64QAM	50	24	18.72	18.60	18.89	18.85	18.85
20	64QAM	50	99	18.75	18.66	18.75	18.51	18.57
20	64QAM	100	0	18.53	18.45	18.86	18.86	18.50
Channel								
Frequency (MHz)								
15	QPSK	1	0	21.43	21.64	21.62	21.70	21.67
15	QPSK	1	37	21.29	21.37	21.66	21.50	21.53
15	QPSK	1	74	21.29	21.30	21.77	21.63	21.47
15	QPSK	36	0	20.52	20.66	20.74	20.76	20.77
15	QPSK	36	20	20.42	20.60	20.61	20.56	20.49
15	QPSK	36	36	20.58	20.65	20.82	20.89	20.56
15	QPSK	75	0	20.53	20.69	20.61	20.69	20.64
15	16QAM	1	0	20.52	20.75	20.93		
15	16QAM	1	37	20.52	20.52	20.61	20.62	20.51
15	16QAM	1	74	20.52	20.49	20.60	20.58	20.42
15	16QAM	36	0	19.69	19.50	19.72	19.53	19.76
15	16QAM	36	20	19.27	19.61	19.61	19.64	19.52
15	16QAM	36	36	19.34	19.30	19.48	19.69	19.57
15	16QAM	75	0	19.39	19.49	19.59	19.69	19.59
15	64QAM	1	0	19.48	19.57	19.54	19.54	19.69
15	64QAM	1	37	19.44	19.42	19.70	19.44	19.83
15	64QAM	1	74	19.37	19.73	19.62	19.36	19.40
15	64QAM	36	0	18.73	18.57	18.79	18.68	18.71
15	64QAM	36	20	18.56	18.60	18.79	18.60	18.46
15	64QAM	36	36	18.43	18.43	18.80	18.78	18.48
15	64QAM	75	0	18.32	18.46	18.77	18.78	18.47
Channel								
Frequency (MHz)								
10	QPSK	1	0	21.31	21.56	21.80	21.64	21.76
10	QPSK	1	25	21.37	21.40	21.80	21.44	21.50
10	QPSK	1	49	21.35	21.60	21.66	21.59	21.60
10	QPSK	25	0	20.61	20.50	20.81	20.69	20.66
10	QPSK	25	12	20.53	20.81	20.67	20.49	20.53
10	QPSK	25	25	20.52	20.51	20.76	20.78	20.59
10	QPSK	50	0	20.44	20.64	20.67	20.56	20.71
10	16QAM	1	0	20.48	20.58	20.78	20.73	20.78
10	16QAM	1	25	20.71	20.45	20.67	20.50	20.56
10	16QAM	1	49	20.43	20.61	20.62	20.57	20.37
10	16QAM	25	0	19.36	19.59	19.65	19.82	19.73
10	16QAM	25	12	19.57	19.53	19.82	19.48	19.69
10	16QAM	25	25	19.38	19.51	19.48	19.41	19.52
10	16QAM	50	0	19.48	19.48	19.53	19.67	19.69
10	64QAM	1	0	19.62	19.59	19.67	19.53	19.69
10	64QAM	1	25	19.45	19.73	19.50	19.56	19.48
10	64QAM	1	49	19.52	19.50	19.75	19.70	19.44
10	64QAM	25	0	18.51	18.46	18.69	18.82	18.69
10	64QAM	25	12	18.63	18.65	18.62	18.37	18.36
10	64QAM	25	25	18.46	18.45	18.84	18.84	18.51
10	64QAM	50	0	18.41	18.46	18.68	18.82	18.52
Channel								
Frequency (MHz)								
5	QPSK	1	0	21.47	21.61	21.75	21.76	21.76
5	QPSK	1	12	21.31	21.32	21.64	21.49	21.64
5	QPSK	1	24	21.30	21.28	21.69	21	





Reduced Power Mode for WWAN

GSM850 Ant 1 DSI1								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	33.50	23.05	23.09	23.03	24.50
GSM 1 Tx slot	32.05	32.09	32.03	33.50	23.05	23.09	23.03	24.50
GPRS 1 Tx slot	32.15	32.18	32.16	33.50	23.15	23.18	23.16	24.50
GPRS 2 Tx slots	30.03	30.04	29.99	31.00	24.03	24.04	23.99	25.00
GPRS 3 Tx slots	28.33	28.34	28.31	29.50	24.07	24.08	24.05	25.24
GPRS 4 Tx slots	26.44	26.46	26.39	27.50	23.44	23.46	23.39	24.50
EDGE 1 Tx slot	26.75	27.03	27.08	28.00	17.75	18.03	18.08	19.00
EDGE 2 Tx slots	24.21	24.50	24.57	25.50	18.21	18.50	18.57	19.50
EDGE 3 Tx slots	22.57	22.81	22.89	24.00	18.31	18.56	18.63	19.74
EDGE 4 Tx slots	21.21	21.43	21.56	22.50	18.21	18.43	18.56	19.50

GSM1900 Ant 1 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	30.50	20.64	20.49	20.59	21.50
GSM 1 Tx slot	29.64	29.49	29.59	30.50	20.64	20.49	20.59	21.50
GPRS 1 Tx slot	29.63	29.50	29.61	30.50	20.63	20.50	20.61	21.50
GPRS 2 Tx slots	27.14	26.99	27.20	28.00	21.14	20.99	21.20	22.00
GPRS 3 Tx slots	25.33	25.37	25.31	26.50	21.07	21.21	21.05	22.24
GPRS 4 Tx slots	24.05	23.91	24.13	25.00	21.05	20.91	21.13	22.00
EDGE 1 Tx slot	26.01	25.87	25.96	27.00	17.01	16.87	16.96	18.00
EDGE 2 Tx slots	23.57	23.46	23.47	24.50	17.57	17.46	17.47	18.50
EDGE 3 Tx slots	21.83	21.80	21.81	23.00	17.57	17.54	17.55	18.74
EDGE 4 Tx slots	20.45	20.35	20.37	21.50	17.45	17.35	17.37	18.50

Band	WCDMA II Ant 1 DSI1			Tune-up Limit (dBm)	WCDMA IV Ant 1 DSI1			Tune-up Limit (dBm)	WCDMA V Ant 1 DSI1			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9262	9400	9538	30.50	1537	1638	1738	25.50	24.33	24.43	24.23	25.50
Rx Channel	9662	9800	9938	30.50	1537	1638	1738	25.50	24.33	24.43	24.23	25.50
Frequency (MHz)	1852.4	1850	1907.6	30.50	1712.4	1722.6	1752.4	25.50	24.33	24.43	24.23	25.50
3GPP Rel 99 AMR 12.2Kbps	24.16	24.13	24.08	25.50	24.14	24.17	24.03	25.50	24.33	24.43	24.23	25.50
3GPP Rel 99 RMC 12.2Kbps	24.27	24.29	24.18	25.50	24.18	24.27	24.07	25.50	24.43	24.55	24.33	25.50
3GPP Rel 6 HSDPA Subtest-1	23.15	23.17	23.13	24.50	23.03	23.18	22.95	24.50	23.62	23.61	23.66	24.50
3GPP Rel 6 HSDPA Subtest-2	23.05	23.13	23.07	24.50	22.97	23.10	22.81	24.50	23.53	23.56	23.58	24.50
3GPP Rel 6 HSDPA Subtest-3	22.62	22.58	22.57	24.50	22.59	22.65	22.51	24.50	23.03	23.06	23.11	24.50
3GPP Rel 6 HSDPA Subtest-4	22.58	22.63	22.53	24.50	22.58	22.54	22.59	24.50	23.05	23.06	23.09	24.50
3GPP Rel 6 DC-HSDPA Subtest-1	23.23	23.22	23.24	25.00	23.07	23.22	23.17	25.00	23.54	23.72	23.70	25.00
3GPP Rel 6 DC-HSDPA Subtest-2	23.17	23.12	23.16	25.00	23.06	23.05	23.14	25.00	23.52	23.45	23.57	25.00
3GPP Rel 6 DC-HSDPA Subtest-3	22.58	22.52	22.66	24.50	22.53	22.75	22.59	24.50	22.96	22.98	23.11	24.50
3GPP Rel 6 DC-HSDPA Subtest-4	22.67	22.53	22.51	24.50	22.58	22.55	22.58	24.50	22.95	22.99	23.14	24.50
3GPP Rel 6 HSUPA Subtest-1	21.20	21.23	21.13	23.00	21.02	21.23	21.02	23.00	21.66	21.52	21.66	23.00
3GPP Rel 6 HSUPA Subtest-2	21.16	21.21	21.05	23.00	21.01	21.20	21.01	23.00	21.56	21.48	21.63	23.00
3GPP Rel 6 HSUPA Subtest-3	22.15	22.14	22.13	24.00	22.01	22.19	22.01	24.00	22.63	22.56	22.63	24.00
3GPP Rel 6 HSUPA Subtest-4	20.64	20.66	20.63	22.50	20.59	20.70	20.59	22.50	21.03	20.99	21.10	22.50
3GPP Rel 6 HSUPA Subtest-5	22.20	22.10	22.10	24.00	22.10	22.20	22.10	24.00	22.50	22.40	22.50	24.00











**GSM850 Ant 2 DSI1**

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8		
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	32.26	32.33	32.21	33.50	23.26	23.33	23.21	
GPRS 1 Tx slot	32.34	32.38	32.29	33.50	23.34	23.38	23.29	
GPRS 2 Tx slots	30.17	30.11	30.02	31.00	24.17	24.11	24.02	
GPRS 3 Tx slots	28.40	28.43	28.30	29.50	24.14	24.17	24.04	
GPRS 4 Tx slots	26.46	26.44	26.33	27.50	23.46	23.44	23.33	
EDGE 1 Tx slot	27.06	27.30	27.39	28.00	18.06	18.30	18.39	
EDGE 2 Tx slots	24.55	24.78	24.88	25.50	18.55	18.78	18.88	
EDGE 3 Tx slots	22.84	23.03	23.19	24.00	18.58	18.77	18.93	
EDGE 4 Tx slots	21.56	21.73	21.93	22.50	18.56	18.73	18.93	

**GSM1900 Ant 2 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	1850.2	1880	1909.8		
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8		
GSM 1 Tx slot	24.03	23.84	24.05	24.50	15.03	14.84	15.05	
GPRS 1 Tx slot	23.98	23.76	23.91	24.50	14.98	14.76	14.91	
GPRS 2 Tx slots	21.64	21.74	21.49	22.50	15.64	15.74	15.49	
GPRS 3 Tx slots	19.68	19.75	19.71	20.50	15.42	15.49	15.45	
GPRS 4 Tx slots	18.40	18.28	18.58	19.00	15.40	15.28	15.58	
EDGE 1 Tx slot	23.96	24.01	23.91	24.50	14.96	15.01	14.91	
EDGE 2 Tx slots	22.36	22.25	22.17	22.50	16.36	16.25	16.17	
EDGE 3 Tx slots	19.97	20.12	19.84	20.50	15.71	15.86	15.58	
EDGE 4 Tx slots	18.82	18.84	18.68	19.00	15.82	15.84	15.68	

**WCDMA II Ant 2 DSI1**

**WCDMA IV Ant 2 DSI1**

**WCDMA V Ant 2 DSI1**

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
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	15.80	15.84	15.82	16.50	15.75	15.78	15.67	16.50	23.54	23.56	23.49	24.50
3GPP Rel 99	AMR 12.2Kbps	15.82	15.87	15.84	16.50	15.76	15.80	15.71	16.50	23.55	23.69	23.50	24.50
3GPP Rel 6	HSDPA Subtest-1	13.84	13.86	13.80	14.50	13.80	13.85	13.78	14.50	23.53	23.57	23.45	24.50
3GPP Rel 6	HSDPA Subtest-2	13.73	13.76	13.77	14.50	13.78	13.77	13.68	14.50	23.44	23.30	23.35	24.50
3GPP Rel 6	HSDPA Subtest-3	13.18	13.28	13.22	14.50	13.42	13.22	13.20	14.50	23.08	22.86	22.92	24.00
3GPP Rel 6	HSDPA Subtest-4	13.16	13.31	13.27	14.50	13.33	13.24	13.06	14.50	23.08	22.95	22.90	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	13.85	13.89	14.02	14.50	13.97	13.85	13.70	14.50	23.09	23.20	23.25	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	13.75	13.73	13.82	14.50	13.76	13.85	13.78	14.50	23.08	23.16	23.00	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	13.10	13.27	13.26	14.00	13.44	13.29	13.24	14.00	22.99	22.95	22.83	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	13.07	13.29	13.17	14.00	13.44	13.31	13.04	14.00	23.01	23.00	23.07	24.00
3GPP Rel 6	HSUPA Subtest-1	13.81	13.91	13.72	14.50	13.79	13.85	13.68	14.50	21.56	21.36	21.55	23.00
3GPP Rel 6	HSUPA Subtest-2	11.94	11.97	11.92	12.50	11.92	11.98	11.83	12.50	21.45	21.36	21.29	23.00
3GPP Rel 6	HSUPA Subtest-3	12.78	12.93	12.89	14.50	12.75	13.00	12.95	14.50	22.45	22.38	22.53	24.00
3GPP Rel 6	HSUPA Subtest-4	11.77	11.94	11.80	12.50	11.76	11.98	11.85	12.50	20.97	20.83	20.96	22.50
3GPP Rel 6	HSUPA Subtest-5	13.71	13.80	13.87	14.50	13.85	13.88	13.83	14.50	22.29	22.28	22.27	24.00









Band 17 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				23790	23790	23800			
Frequency (MHz)				769	770	771			
10	QPSK	1	0	23.28	23.51	23.17	24.5	0	
10	QPSK	1	25	23.33	23.31	23.34			
10	QPSK	1	49	23.32	23.48	23.34			
10	QPSK	25	0	23.27	23.43	23.09	24.5	0	
10	QPSK	25	12	23.25	23.35	23.06			
10	QPSK	25	25	23.13	23.28	23.34			
10	QPSK	50	0	23.10	23.49	23.17	24.5	0	
10	16QAM	1	0	23.11	23.21	23.06			
10	16QAM	1	25	23.14	23.13	23.35			
10	16QAM	1	49	23.04	23.28	22.98	23.5	1	
10	16QAM	25	0	22.12	22.10	22.02			
10	16QAM	25	12	22.22	22.20	22.34			
10	16QAM	25	25	22.23	22.29	22.13	23.5	1	
10	16QAM	50	0	22.17	22.24	22.27			
10	16QAM	1	0	22.35	22.29	22.38			
10	16QAM	1	25	22.52	22.48	22.52	22.5	2	
10	16QAM	1	49	22.54	22.49	22.39			
10	16QAM	25	0	21.10	21.09	21.06			
10	16QAM	25	12	21.23	21.15	21.22	22.5	2	
10	16QAM	25	25	21.27	21.16	21.10			
10	16QAM	50	0	21.18	21.16	21.19			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.13	23.38	23.07	24.5	0	
5	QPSK	1	12	23.13	23.13	23.22			
5	QPSK	1	24	23.12	23.49	23.15			
5	QPSK	12	0	23.07	23.42	22.95	24.5	0	
5	QPSK	12	7	23.11	23.36	23.05			
5	QPSK	12	13	23.12	23.23	23.26			
5	QPSK	25	0	23.05	23.39	23.12	24.5	0	
5	16QAM	1	0	23.01	23.01	22.91			
5	16QAM	1	12	22.99	23.04	23.33			
5	16QAM	1	24	22.99	23.13	22.89	23.5	1	
5	16QAM	12	0	22.00	22.02	21.89			
5	16QAM	12	7	22.23	22.11	22.18			
5	16QAM	12	13	22.16	22.10	21.98	23.5	1	
5	16QAM	25	0	22.10	22.12	22.23			
5	16QAM	1	0	22.30	22.27	22.22			
5	16QAM	1	12	22.32	22.46	22.43	22.5	2	
5	16QAM	1	24	22.33	22.50	22.23			
5	16QAM	12	0	21.05	20.95	20.88			
5	16QAM	12	7	21.05	20.96	21.16	22.5	2	
5	16QAM	12	13	21.14	20.95	21.08			
5	16QAM	25	0	21.15	21.09	21.21			

Band 66 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				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	15.40	15.56	15.48	16.5	0	
20	QPSK	1	49	15.38	15.29	15.35			
20	QPSK	1	99	15.38	15.34	15.36			
20	QPSK	50	0	15.41	15.45	15.35	16.5	0	
20	QPSK	50	24	15.36	15.19	15.24			
20	QPSK	50	50	15.18	15.29	15.17			
20	QPSK	100	0	15.37	15.46	15.24	16.5	0	
20	16QAM	1	0	15.23	15.16	15.39			
20	16QAM	1	49	15.19	15.25	15.28			
20	16QAM	1	99	15.47	15.46	15.35	16.5	0	
20	16QAM	50	0	15.27	15.15	15.45			
20	16QAM	50	24	15.14	15.26	15.24			
20	16QAM	50	50	15.34	15.38	15.48	16.5	0	
20	16QAM	100	0	15.23	15.03	15.08			
20	16QAM	1	0	15.05	15.30	15.25			
20	16QAM	1	49	15.30	15.45	15.44	16.5	0	
20	16QAM	1	99	15.13	15.16	15.11			
20	16QAM	50	0	15.31	15.26	15.31			
20	16QAM	50	24	15.45	15.53	15.06	16.5	0	
20	16QAM	50	50	15.39	15.09	15.34			
20	16QAM	100	0	15.29	15.15	15.24			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	15.42	15.47	15.30	16.5	0	
15	QPSK	1	37	15.20	15.10	15.24			
15	QPSK	1	74	15.29	15.14	15.38			
15	QPSK	36	0	15.33	15.38	15.21	16.5	0	
15	QPSK	36	20	15.16	15.05	15.11			
15	QPSK	36	39	15.08	15.11	15.13			
15	QPSK	75	0	15.32	15.30	15.19	16.5	0	
15	16QAM	1	0	15.17	15.09	15.18			
15	16QAM	1	37	15.01	15.10	15.22			
15	16QAM	1	74	15.26	15.47	15.30	16.5	0	
15	16QAM	36	0	15.17	15.03	15.27			
15	16QAM	36	20	15.22	15.35	15.34			
15	16QAM	36	39	15.27	15.24	15.31	16.5	0	
15	16QAM	75	0	15.38	15.17	15.14			
15	16QAM	1	0	15.31	15.41	15.40			
15	16QAM	1	37	15.26	15.28	15.27	16.5	0	
15	16QAM	1	74	15.27	15.31	15.32			
15	16QAM	36	0	15.15	15.23	15.33			
15	16QAM	36	20	15.41	15.38	15.50	16.5	0	
15	16QAM	36	39	15.23	15.12	15.35			
15	16QAM	75	0	15.20	15.32	15.26			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	15.29	15.55	15.28	16.5	0	
10	QPSK	1	25	15.20	15.14	15.25			
10	QPSK	1	49	15.37	15.16	15.17			
10	QPSK	25	0	15.32	15.41	15.16	16.5	0	
10	QPSK	25	12	15.17	15.04	15.12			
10	QPSK	25	25	15.09	15.25	15.13			
10	QPSK	50	0	15.25	15.30	15.22	16.5	0	
10	16QAM	1	0	15.35	15.48	15.42			
10	16QAM	1	25	15.38	15.07	15.26			
10	16QAM	1	49	15.26	15.14	15.38	16.5	0	
10	16QAM	25	0	15.18	15.10	15.24			
10	16QAM	25	12	15.34	15.41	15.49			
10	16QAM	25	25	15.30	15.12	15.31	16.5	0	
10	16QAM	50	0	15.28	15.29	15.31			
10	16QAM	1	0	15.23	15.37	15.31			
10	16QAM	1	25	15.33	15.24	15.37	16.5	0	
10	16QAM	1	49	15.17	15.26	15.37			
10	16QAM	25	0	15.30	15.41	15.41			
10	16QAM	25	12	15.36	15.12	15.34	16.5	0	
10	16QAM	25	25	15.38	15.23	15.37			
10	16QAM	50	0	15.07	15.17	15.20			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	15.33	15.45	15.32	16.5	0	
5	QPSK	1	12	15.30	15.19	15.20			
5	QPSK	1	24	15.23	15.34	15.25			
5	QPSK	12	0	15.28	15.46	15.35	16.5	0	
5	QPSK	12	7	15.21	15.00	15.04			
5	QPSK	12	13	15.18	15.15	15.13			
5	QPSK	25	0	15.31	15.35	15.22	16.5	0	
5	16QAM	1	0	15.17	15.06	15.38			
5	16QAM	1	12	15.13	15.13	15.07			
5	16QAM	1	24	15.47	15.46	15.33	16.5	0	
5	16QAM	12	0	15.16	15.00	15.44			
5	16QAM	12	7	15.22	15.38	15.35			
5	16QAM	12	13	15.30	15.23	15.16	16.5	0	
5	16QAM	25	0	15.19	15.20	15.16			
5	16QAM	1	0	15.23	15.44	15.44			
5	16QAM	1	12	15.39	15.20	15.18	16.5	0	
5	16QAM	1	24	15.32	15.35	15.15			
5	16QAM	12	0	15.27	15.09	15.25			
5	16QAM	12	7	15.32	15.36	15.01	16.5	0	
5	16QAM	12	13	15.19	15.01	15.32			
5	16QAM	25	0	15.17	15.04	15.09			
Channel				131967	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	15.21	15.35	15.48	16.5	0	
3	QPSK	1	8	15.26	15.16	15.26			
3	QPSK	1	14	15.36	15.35	15.34			
3	QPSK	8	0	15.25	15.37	15.16	16.5	0	
3	QPSK	8	4	15.16	15.18	15.10			
3	QPSK	8	7	15.05	15.19	15.02			
3	QPSK	15	0	15.20	15.42	15.09	16.5	0	
3	16QAM	1	0	15.06	15.16	15.25			
3	16QAM	1	8	15.11	15.10	15.24			
3	16QAM	1	14	15.43	15.27	15.28	16.5	0	
3	16QAM	8	0	15.22	15.07	15.40			
3	16QAM	8	4	15.05	15.11	15.18			
3	16QAM	8	7	15.24	15.17	15.38	16.5	0	
3	16QAM	15	0	15.29	15.42	15.35			
3	16QAM	1	0	15.39	15.28	15.17			
3	16QAM	1	8	15.17	15.28	15.28	16.5	0	
3	16QAM	1	14	15.22	15.49	15.48			
3	16QAM	8	0	15.29	15.08	15.26			
3	16QAM	8	4	15.37	15.51	15.28	16.5	0	
3	16QAM	8	7	15.40	15.11	15.19			
3	16QAM	15	0	15.32	15.34	15.17			
Channel				131970	132322	132655	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	15.28	15.55	15.30	16.5	0	
1.4	QPSK	1	3	15.32	15.08	15.18			
1.4	QPSK	1	5	15.29	15.19	15.25			
1.4	QPSK	3	0	15.24	15.30	15.28	16.5	0	
1.4	QPSK	3							



Band 38 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				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	20.82	21.00	20.51	22.5	0		
20	QPSK	1	49	20.64	20.51	20.89				
20	QPSK	1	99	20.75	20.63	20.62				
20	QPSK	50	0	20.81	20.99	20.81	22.5	0		
20	QPSK	50	24	20.84	20.80	20.90				
20	QPSK	50	59	20.98	20.92	20.69				
20	QPSK	100	0	20.82	20.84	20.57	22.5	0		
20	16QAM	1	0	20.71	20.97	20.59				
20	16QAM	1	49	20.92	20.94	20.71				
20	16QAM	1	99	20.91	20.80	20.72	22.5	0		
20	16QAM	50	0	20.93	20.87	20.88				
20	16QAM	50	24	20.89	20.88	20.97				
20	16QAM	50	50	20.86	20.90	20.72	22.5	0		
20	16QAM	100	0	20.85	20.56	20.74				
20	64QAM	1	0	20.92	20.74	20.87				
20	64QAM	1	49	20.87	20.89	20.74	22.5	0		
20	64QAM	1	99	20.83	20.79	20.82				
20	64QAM	50	0	20.73	20.84	20.84				
20	64QAM	50	24	20.98	20.88	20.95	22.5	0		
20	64QAM	50	50	20.82	20.86	20.74				
20	64QAM	100	0	20.95	20.98	20.59				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	20.77	20.92	20.56	22.5	0		
15	QPSK	1	37	20.61	20.52	20.73				
15	QPSK	1	74	20.64	20.57	20.53				
15	QPSK	36	0	20.71	20.84	20.71	22.5	0		
15	QPSK	36	20	20.70	20.74	20.75				
15	QPSK	36	39	20.89	20.77	20.53				
15	QPSK	75	0	20.71	20.68	20.57	22.5	0		
15	16QAM	1	0	20.69	20.79	20.59				
15	16QAM	1	37	20.91	20.76	20.57				
15	16QAM	1	74	20.74	20.79	20.58	22.5	0		
15	16QAM	36	0	20.90	20.96	20.86				
15	16QAM	36	20	20.79	20.86	20.84				
15	16QAM	36	39	20.81	20.80	20.60	22.5	0		
15	16QAM	75	0	20.68	20.62	20.59				
15	64QAM	1	0	20.74	20.63	20.84				
15	64QAM	1	37	20.95	20.79	20.78	22.5	0		
15	64QAM	1	74	20.66	20.70	20.68				
15	64QAM	36	0	20.67	20.69	20.74				
15	64QAM	36	20	20.82	20.81	20.88	22.5	0		
15	64QAM	36	39	20.73	20.85	20.67				
15	64QAM	75	0	20.87	20.84	20.71				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2615				
10	QPSK	1	0	20.70	20.85	20.66	22.5	0		
10	QPSK	1	25	20.60	20.64	20.75				
10	QPSK	1	49	20.60	20.66	20.63				
10	QPSK	25	0	20.71	20.84	20.72	22.5	0		
10	QPSK	25	12	20.71	20.61	20.84				
10	QPSK	25	25	20.91	20.92	20.66				
10	QPSK	50	0	20.71	20.75	20.57	22.5	0		
10	16QAM	1	0	20.64	20.77	20.54				
10	16QAM	1	25	20.93	20.85	20.72				
10	16QAM	1	49	20.86	20.83	20.51	22.5	0		
10	16QAM	25	0	20.82	20.85	20.86				
10	16QAM	25	12	20.77	20.85	20.82				
10	16QAM	25	25	20.88	20.70	20.52	22.5	0		
10	16QAM	50	0	20.72	20.71	20.65				
10	64QAM	1	0	20.86	20.68	20.77				
10	64QAM	1	25	20.84	20.70	20.97	22.5	0		
10	64QAM	1	49	20.72	20.62	20.66				
10	64QAM	25	0	20.64	20.70	20.71				
10	64QAM	25	12	20.88	20.86	20.95	22.5	0		
10	64QAM	25	25	20.70	20.73	20.50				
10	64QAM	50	0	20.80	20.95	20.55				
Channel				3777.5	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	20.82	20.82	20.59	22.5	0		
5	QPSK	1	12	20.73	20.57	20.80				
5	QPSK	1	24	20.57	20.59	20.56				
5	QPSK	12	0	20.81	20.76	20.68	22.5	0		
5	QPSK	12	7	20.70	20.61	20.89				
5	QPSK	12	13	20.87	20.87	20.70				
5	QPSK	25	0	20.57	20.72	20.61	22.5	0		
5	16QAM	1	0	20.70	20.81	20.51				
5	16QAM	1	12	20.89	20.91	20.61				
5	16QAM	1	24	20.84	20.78	20.51	22.5	0		
5	16QAM	12	0	20.76	20.94	20.74				
5	16QAM	12	7	20.62	20.93	20.82				
5	16QAM	12	13	20.76	20.83	20.58	22.5	0		
5	16QAM	25	0	20.67	20.63	20.71				
5	64QAM	1	0	20.78	20.65	20.71				
5	64QAM	1	12	20.96	20.65	20.97	22.5	0		
5	64QAM	1	24	20.56	20.57	20.57				
5	64QAM	12	0	20.50	20.59	20.82				
5	64QAM	12	7	20.81	20.96	20.90	22.5	0		
5	64QAM	12	13	20.67	20.80	20.54				
5	64QAM	25	0	20.73	20.89	20.51				

Band 41 Ant2 DS11												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	20.76	20.75	20.87	20.74	20.84	22	0		
20	QPSK	1	49	20.60	20.75	20.66	20.66	20.85				
20	QPSK	1	99	20.74	20.61	20.68	20.66	20.74				
20	QPSK	50	0	20.57	20.67	20.80	20.59	20.77	22	0		
20	QPSK	50	24	20.58	20.54	20.73	20.70	20.71				
20	QPSK	50	59	20.56	20.56	20.78	20.75	20.78				
20	QPSK	100	0	20.66	20.74	20.80	20.53	20.73	22	0		
20	16QAM	1	0	20.63	20.55	20.86	20.56	20.71				
20	16QAM	1	49	20.64	20.73	20.82	20.58	20.68				
20	16QAM	1	99	20.76	20.88	20.72	20.58	20.63	22	0		
20	16QAM	50	0	20.61	20.56	20.82	20.76	20.85				
20	16QAM	50	24	20.56	20.58	20.86	20.61	20.83				
20	16QAM	50	50	20.65	20.63	20.74	20.58	20.69	22	0		
20	16QAM	100	0	20.66	20.59	20.73	20.71	20.69				
20	64QAM	1	0	20.63	20.55	20.86	20.56	20.71				
20	64QAM	1	49	20.55	20.58	20.70	20.58	20.79	22	0		
20	64QAM	1	99	20.59	20.56	20.84	20.65	20.75				
20	64QAM	50	0	20.60	20.59	20.71	20.71	20.76				
20	64QAM	50	24	20.63	20.60	20.80	20.55	20.69	22	0		
20	64QAM	50	50	20.57	20.68	20.85	20.63	20.83				
20	64QAM	100	0	20.72	20.62	20.82	20.65	20.72				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2592	2637.2	2682.5				
15	QPSK	1	0	20.64	20.69	20.69	20.57	20.76	22.00	0		
15	QPSK	1	37	20.39	20.73	20.54	20.50	20.73				
15	QPSK	1	74	20.70	20.40	20.54	20.63	20.57				
15	QPSK	36	0	20.57	20.60	20.77	20.40	20.56	22	0		
15	QPSK	36	20	20.58	20.37	20.63	20.70	20.64				
15	QPSK	36	39	20.44	20.43	20.79	20.72	20.74				
15	QPSK	75	0	20.60	20.55	20.67	20.36	20.55	22	0		
15	16QAM	1	0	20.62	20.57	20.82	20.57	20.71				
15	16QAM	1	37	20.59	20.59	20.62	20.51	20.53				
15	16QAM	1	74	20.74	20.49	20.53	20.42	20.56	22	0		
15	16QAM	36	0	20.60	20.3							



Band 2 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				16700	16900	17100				
Frequency (MHz)										
20	QPSK	1	0	24.48	24.67	24.51	25.5	0		
20	QPSK	1	49	24.31	24.47	24.44				
20	QPSK	1	99	24.38	24.59	24.37				
20	QPSK	50	0	23.59	23.70	23.50	24.5	1		
20	QPSK	50	24	23.47	23.55	23.56				
20	QPSK	50	50	23.29	23.35	23.40				
20	QPSK	100	0	23.45	23.62	23.42				
20	16QAM	1	0	23.39	23.65	23.48	24.5	1		
20	16QAM	1	49	23.26	23.50	23.46				
20	16QAM	1	99	23.33	23.60	23.36				
20	16QAM	50	0	22.53	22.52	22.41	23.5	2		
20	16QAM	50	24	22.33	22.57	22.47				
20	16QAM	50	50	22.28	22.54	22.41				
20	16QAM	100	0	22.43	22.66	22.33				
20	64QAM	1	0	22.56	22.65	22.40	23.5	2		
20	64QAM	1	49	22.47	22.74	22.44				
20	64QAM	1	99	22.26	22.39	22.52				
20	64QAM	50	0	21.51	21.56	21.41	22.5	3		
20	64QAM	50	24	21.50	21.77	21.51				
20	64QAM	50	50	21.46	21.67	21.47				
20	64QAM	100	0	21.19	21.50	21.57				
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	0	24.34	24.49	24.40	25.5	0		
15	QPSK	1	37	24.32	24.46	24.39				
15	QPSK	1	74	24.21	24.57	24.34				
15	QPSK	36	0	23.51	23.40	23.45	24.5	1		
15	QPSK	36	20	23.40	23.52	23.37				
15	QPSK	36	39	23.23	23.14	23.38				
15	QPSK	75	0	23.45	23.47	23.37				
15	16QAM	1	0	23.18	23.47	23.44	24.5	1		
15	16QAM	1	37	23.09	23.44	23.40				
15	16QAM	1	74	23.30	23.55	23.23				
15	16QAM	36	0	22.38	22.42	22.33	23.5	2		
15	16QAM	36	20	22.20	22.39	22.26				
15	16QAM	36	39	22.10	22.33	22.38				
15	16QAM	75	0	22.34	22.60	22.23				
15	64QAM	1	0	22.38	22.44	22.33	23.5	2		
15	64QAM	1	37	22.31	22.53	22.25				
15	64QAM	1	74	22.06	22.40	22.38				
15	64QAM	36	0	21.34	21.47	21.24	22.5	3		
15	64QAM	36	20	21.39	21.59	21.34				
15	64QAM	36	39	21.39	21.58	21.29				
15	64QAM	75	0	21.08	21.35	21.48				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	24.41	24.47	24.38	25.5	0		
10	QPSK	1	25	24.30	24.35	24.39				
10	QPSK	1	49	24.37	24.42	24.27				
10	QPSK	25	0	23.55	23.69	23.45	24.5	1		
10	QPSK	25	12	23.28	23.55	23.44				
10	QPSK	25	25	23.19	23.32	23.33				
10	QPSK	50	0	23.32	23.50	23.33	24.5	1		
10	16QAM	1	0	23.40	23.61	23.49				
10	16QAM	1	25	23.24	23.49	23.26				
10	16QAM	1	49	23.13	23.56	23.16				
10	16QAM	25	0	22.38	22.31	22.37	23.5	2		
10	16QAM	25	12	22.16	22.36	22.48				
10	16QAM	25	25	22.26	22.33	22.36				
10	16QAM	50	0	22.32	22.65	22.34	23.5	2		
10	64QAM	1	0	22.58	22.45	22.26				
10	64QAM	1	25	22.38	22.56	22.36				
10	64QAM	1	49	22.11	22.37	22.32	22.5	3		
10	64QAM	25	0	21.42	21.50	21.39				
10	64QAM	25	12	21.51	21.75	21.47				
10	64QAM	25	25	21.35	21.47	21.40				
10	64QAM	50	0	21.11	21.35	21.57				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	24.37	24.52	24.43	25.5	0		
5	QPSK	1	12	24.16	24.42	24.33				
5	QPSK	1	24	24.31	24.60	24.15				
5	QPSK	12	0	23.41	23.62	23.43	24.5	1		
5	QPSK	12	7	23.35	23.55	23.48				
5	QPSK	12	13	23.16	23.13	23.23				
5	QPSK	25	0	23.44	23.43	23.23	24.5	1		
5	16QAM	1	0	23.21	23.53	23.32				
5	16QAM	1	12	23.08	23.37	23.26				
5	16QAM	1	24	23.24	23.46	23.31				
5	16QAM	12	0	22.52	22.46	22.28	23.5	2		
5	16QAM	12	7	22.29	22.54	22.46				
5	16QAM	12	13	22.18	22.32	22.41				
5	16QAM	25	0	22.22	22.55	22.24				
5	64QAM	1	0	22.46	22.57	22.23	23.5	2		
5	64QAM	1	12	22.42	22.70	22.22				
5	64QAM	1	24	22.23	22.36	22.31				
5	64QAM	12	0	21.38	21.44	21.33	22.5	3		
5	64QAM	12	7	21.45	21.83	21.35				
5	64QAM	12	13	21.36	21.54	21.34				
5	64QAM	25	0	21.18	21.30	21.44				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
3	QPSK	1	0	24.36	24.62	24.46	25.5	0		
3	QPSK	1	8	24.13	24.44	24.34				
3	QPSK	1	14	24.35	24.45	24.25				
3	QPSK	8	0	23.51	23.49	23.35	24.5	1		
3	QPSK	8	4	23.43	23.38	23.46				
3	QPSK	8	7	23.10	23.28	23.21				
3	QPSK	15	0	23.45	23.55	23.29				
3	16QAM	1	0	23.40	23.51	23.30	24.5	1		
3	16QAM	1	8	23.21	23.43	23.35				
3	16QAM	1	14	23.34	23.58	23.34				
3	16QAM	8	0	22.51	22.35	22.25	23.5	2		
3	16QAM	8	4	22.20	22.56	22.39				
3	16QAM	8	7	22.21	22.47	22.40				
3	16QAM	15	0	22.32	22.67	22.24				
3	64QAM	1	0	22.56	22.66	22.34	23.5	2		
3	64QAM	1	8	22.47	22.66	22.30				
3	64QAM	1	14	22.22	22.28	22.52				
3	64QAM	8	0	21.33	21.51	21.40	22.5	3		
3	64QAM	8	4	21.50	21.56	21.30				
3	64QAM	8	7	21.33	21.67	21.32				
3	64QAM	15	0	21.14	21.34	21.56				
Channel				18607	18900	19183	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
1.4	QPSK	1	0	24.24	24.47	24.31	25.5	0		
1.4	QPSK	1	3	24.04	24.24	24.31				
1.4	QPSK	1	5	24.31	24.42	24.25				
1.4	QPSK	3	0	24.21	24.50	24.42	24.5	1		
1.4	QPSK	3	3	24.21	24.26	24.13				
1.4	QPSK	6	0	23.17	23.44	23.14				
1.4	16QAM	1	0	23.33	23.41	23.29	24.5	1		
1.4	16QAM	1	3	23.07	23.34	23.34				
1.4	16QAM	1	5	23.26	23.30	23.15				
1.4	16QAM	3	0	23.37	23.45	23.24	24.5	1		
1.4	16QAM	3	1	23.19	23.29	23.15				
1.4	16QAM	3	3	23.14	23.52	23.23				
1.4	16QAM	6	0	22.25	22.50	22.22	23.5	2		
1.4	64QAM	1	0	22.52	22.48	22.31				
1.4	64QAM	1	3	22.47	22.46	22.36				
1.4	64QAM	1	5	22.10	22.16	22.43	23.5	2		
1.4	64QAM	3	0	22.56	22.57	22.13				
1.4	64QAM	3	1	22.40	22.53	22.19				
1.4	64QAM	3	3	22.16	22.14	22.50				
1.4	64QAM	6	0	21.00	21.40	21.45	22.5	3		

Band 7 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				20850	21100	21350				
Frequency (MHz)										
20	QPSK	1	0	24.07	24.23	24.02	25.5	0		
20	QPSK	1	49	24.00	24.19	23.97				
20	QPSK	1	99	24.08	24.10	23.89				
20	QPSK	50	0	23.00	23.19	23.03	24.5	1		
20	QPSK	50	24	23.11	23.15	23.03				
20	QPSK	50	50	23.00	23.09	22.86				
20	QPSK	100	0	23.01	23.11	22.97				
20	16QAM	1	0	22.93	23.12	22.86	24.5	1		
20	16QAM	1	49	22.84	23.00	22.86				
20	16QAM	1	99	22.97	23.08	22.80				
20	16QAM	50	0	21.87	21.96	22.02	23.5	2		
20	16QAM	50	24	22.02	22.01	21.87				
20	16QAM	50	50	21.94	21.96	21.81				
20	16QAM	100	0	21.99	21.97	21.83				
20	64QAM	1	0	21.84	22.07	21.86	23.5	2		
20	64QAM	1	49	22.						



### Band 38 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		
									37850	38000	38150
Frequency (MHz)											
20	QPSK	1	0	21.84	21.82	21.69	23	0	2580	2595	2610
20	QPSK	1	49	21.35	21.58	21.46					
20	QPSK	1	99	21.32	21.68	21.78	22	1	2580	2595	2610
20	QPSK	50	0	20.66	20.90	20.96					
20	QPSK	50	24	20.63	20.50	20.52	21	2	2580	2595	2610
20	QPSK	50	50	20.57	20.70	20.89					
20	QPSK	100	0	20.59	20.70	20.64	20	3	2580	2595	2610
20	16QAM	1	0	20.44	20.65	20.80					
20	16QAM	1	49	20.48	20.53	20.62	21	2	2580	2595	2610
20	16QAM	1	99	20.34	20.63	20.59					
20	16QAM	50	0	19.47	19.75	19.43	20	3	2580	2595	2610
20	16QAM	50	24	19.67	19.60	19.55					
20	16QAM	50	50	19.36	19.65	19.25	21	2	2580	2595	2610
20	16QAM	100	0	19.57	19.62	19.68					
20	64QAM	1	0	19.38	19.81	19.52	20	3	2580	2595	2610
20	64QAM	1	49	19.73	19.60	19.36					
20	64QAM	1	99	19.56	19.77	19.67	21	2	2580	2595	2610
20	64QAM	50	0	18.72	18.75	18.62					
20	64QAM	50	24	18.43	18.86	18.70	20	3	2580	2595	2610
20	64QAM	50	50	18.59	18.71	18.48					
20	64QAM	100	0	18.34	18.68	18.82	Channel				
Frequency (MHz)											
15	QPSK	1	0	21.50	21.68	21.69	23	0	2577.5	2595	2612.5
15	QPSK	1	49	21.35	21.75	21.56					
15	QPSK	1	99	21.45	21.70	21.66	22	1	2577.5	2595	2612.5
15	QPSK	36	0	20.56	20.75	20.69					
15	QPSK	36	20	20.59	20.51	20.57	21	2	2577.5	2595	2612.5
15	QPSK	36	39	20.60	20.74	20.73					
15	QPSK	75	0	20.57	20.70	20.65	20	3	2577.5	2595	2612.5
15	16QAM	1	0	20.43	20.78	20.93					
15	16QAM	1	49	20.55	20.64	20.58	21	2	2577.5	2595	2612.5
15	16QAM	1	99	20.42	20.59	20.64					
15	16QAM	36	0	19.59	19.56	19.46	20	3	2577.5	2595	2612.5
15	16QAM	36	20	19.72	19.76	19.64					
15	16QAM	36	39	19.39	19.59	19.68	21	2	2577.5	2595	2612.5
15	16QAM	75	0	19.58	19.71	19.80					
15	64QAM	1	0	19.57	19.74	19.48	20	3	2577.5	2595	2612.5
15	64QAM	1	49	19.71	19.51	19.52					
15	64QAM	1	99	19.46	19.67	19.50	21	2	2577.5	2595	2612.5
15	64QAM	36	0	18.68	18.78	18.62					
15	64QAM	36	20	18.52	18.69	18.76	20	3	2577.5	2595	2612.5
15	64QAM	36	39	18.61	18.52	18.29					
15	64QAM	75	0	18.35	18.74	18.82	Channel				
Frequency (MHz)											
10	QPSK	1	0	21.54	21.75	21.65	23	0	2572.5	2595	2617.5
10	QPSK	1	25	21.41	21.81	21.55					
10	QPSK	1	49	21.43	21.73	21.59	22	1	2572.5	2595	2617.5
10	QPSK	25	0	20.49	20.70	20.58					
10	QPSK	25	12	20.79	20.57	20.68	21	2	2572.5	2595	2617.5
10	QPSK	25	25	20.60	20.67	20.84					
10	QPSK	50	0	20.59	20.71	20.71	20	3	2572.5	2595	2617.5
10	16QAM	1	0	20.56	20.79	20.85					
10	16QAM	1	25	20.52	20.66	20.64	21	2	2572.5	2595	2617.5
10	16QAM	1	49	20.40	20.69	20.64					
10	16QAM	25	0	19.51	19.71	19.40	20	3	2572.5	2595	2617.5
10	16QAM	25	12	19.74	19.71	19.55					
10	16QAM	25	25	19.35	19.47	19.73	21	2	2572.5	2595	2617.5
10	16QAM	50	0	19.64	19.61	19.74					
10	64QAM	1	0	19.40	19.71	19.50	20	3	2572.5	2595	2617.5
10	64QAM	1	25	19.72	19.47	19.36					
10	64QAM	1	49	19.39	19.66	19.73	21	2	2572.5	2595	2617.5
10	64QAM	25	0	18.61	18.70	18.56					
10	64QAM	25	12	18.49	18.91	18.65	20	3	2572.5	2595	2617.5
10	64QAM	25	25	18.62	18.65	18.36					
10	64QAM	50	0	18.36	18.73	18.74	Channel				
Frequency (MHz)											
5	QPSK	1	0	21.46	21.65	21.77	23	0	2572.5	2595	2617.5
5	QPSK	1	12	21.32	21.67	21.47					
5	QPSK	1	24	21.42	21.65	21.73	22	1	2572.5	2595	2617.5
5	QPSK	12	0	20.49	20.74	20.59					
5	QPSK	12	7	20.74	20.67	20.53	21	2	2572.5	2595	2617.5
5	QPSK	12	13	20.60	20.71	20.75					
5	QPSK	25	0	20.56	20.74	20.71	20	3	2572.5	2595	2617.5
5	16QAM	1	0	20.55	20.71	20.80					
5	16QAM	1	12	20.48	20.51	20.45	21	2	2572.5	2595	2617.5
5	16QAM	1	24	20.38	20.67	20.67					
5	16QAM	12	0	19.43	19.71	19.50	20	3	2572.5	2595	2617.5
5	16QAM	12	7	19.57	19.77	19.51					
5	16QAM	12	13	19.38	19.49	19.71	21	2	2572.5	2595	2617.5
5	16QAM	25	0	19.51	19.73	19.70					
5	64QAM	1	0	19.48	19.69	19.52	20	3	2572.5	2595	2617.5
5	64QAM	1	12	19.68	19.53	19.52					
5	64QAM	1	24	19.48	19.64	19.74	21	2	2572.5	2595	2617.5
5	64QAM	12	0	18.49	18.79	18.60					
5	64QAM	12	7	18.55	18.79	18.66	20	3	2572.5	2595	2617.5
5	64QAM	12	13	18.60	18.63	18.36					
5	64QAM	25	0	18.26	18.71	18.77	Channel				
Frequency (MHz)											
5	QPSK	1	0	21.47	21.61	21.76	23	0	2498.5	2545.8	2593.0
5	QPSK	1	12	21.31	21.32	21.64					
5	QPSK	1	24	21.40	21.28	21.69	22	1	2498.5	2545.8	2593.0
5	QPSK	12	0	20.57	20.71	20.82					
5	QPSK	12	7	20.60	20.60	20.61	21	2	2498.5	2545.8	2593.0
5	QPSK	12	13	20.67	20.64	20.62					
5	QPSK	25	0	20.56	20.63	20.73	20	3	2498.5	2545.8	2593.0
5	16QAM	1	0	20.58	20.81	20.61					
5	16QAM	1	12	20.67	20.43	20.69	21	2	2498.5	2545.8	2593.0
5	16QAM	1	24	20.54	20.49	20.66					
5	16QAM	12	0	19.40	19.50	19.55	20	3	2498.5	2545.8	2593.0
5	16QAM	12	7	19.41	19.59	19.78					
5	16QAM	12	13	19.32	19.54	19.55	21	2	2498.5	2545.8	2593.0
5	16QAM	25	0	19.47	19.54	19.64					
5	64QAM	1	0	19.43	19.57	19.63	20	3	2498.5	2545.8	2593.0
5	64QAM	1	12	19.42	19.46	19.81					
5	64QAM	1	24	19.42	19.68	19.59	21	2	2498.5	2545.8	2593.0
5	64QAM	12	0	18.80	18.49	18.80					
5	64QAM	12	7	18.65	18.54	18.80	20	3	2498.5	2545.8	2593.0
5	64QAM	12	13	18.68	18.68	18.62					
5	64QAM	25	0	18.46	18.44	18.82	Channel				
Frequency (MHz)											
5	QPSK	1	0	21.45	21.50	21.62	23	0	2503.5	2546.3	2593.8
5	QPSK	1	49	21.29	21.37	21.66					
5	QPSK	1	99	21.45	21.29	21.57	22	1	2503.5	2546.3	2593.8
5	QPSK	36	0	20.52	20.68	20.74					
5	QPSK	36	20	20.42	20.80	20.61	21	2	2503.5	2546.3	2593.8
5	QPSK	36	39	20.56	20.65	20.82					
5	QPSK	75	0	20.53	20.69	20.61	20	3	2503.5	2546.3	2593.8
5	16QAM	1	0	20.47	20.63	20.75					
5	16QAM	1	49	20.52	20.52	20.61	21	2	2503.5	2546.3	2593.8
5	16QAM	1	99	20.44	20.44	20.67					
5	16QAM	36	0	19.59	19.50	19.72	20				



**GSM850 Ant 1 DS12**

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8		
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	32.05	32.09	32.03	33.50	23.05	23.09	23.03	
GPRS 1 Tx slot	32.15	32.18	32.16	33.50	23.15	23.18	23.16	
GPRS 2 Tx slots	30.03	30.04	29.99	31.00	24.03	24.04	23.99	
GPRS 3 Tx slots	28.33	28.34	28.31	29.50	24.07	24.08	24.05	
GPRS 4 Tx slots	26.44	26.46	26.39	27.50	23.44	23.46	23.39	
EDGE 1 Tx slot	26.75	27.03	27.08	28.00	17.75	18.03	18.08	
EDGE 2 Tx slots	24.21	24.50	24.57	25.50	18.21	18.50	18.57	
EDGE 3 Tx slots	22.57	22.81	22.89	24.00	18.31	18.55	18.63	
EDGE 4 Tx slots	21.21	21.43	21.56	22.50	18.21	18.43	18.56	

**GSM1900 Ant 1 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	29.64	29.49	29.59	30.50	20.64	20.49	20.59	
GPRS 1 Tx slot	29.63	29.50	29.61	30.50	20.63	20.50	20.61	
GPRS 2 Tx slots	27.14	26.99	27.20	28.00	21.14	20.99	21.20	
GPRS 3 Tx slots	25.33	25.47	25.31	26.50	21.07	21.21	21.05	
GPRS 4 Tx slots	24.05	23.91	24.13	25.00	21.05	20.91	21.13	
EDGE 1 Tx slot	26.01	25.87	25.96	27.00	17.01	16.87	16.96	
EDGE 2 Tx slots	23.57	23.46	23.47	24.50	17.57	17.46	17.47	
EDGE 3 Tx slots	21.83	21.80	21.81	23.00	17.57	17.54	17.55	
EDGE 4 Tx slots	20.45	20.35	20.37	21.50	17.45	17.35	17.37	

**WCDMA II Ant 1 DS12**

**WCDMA IV Ant 1 DS12**

**WCDMA V Ant 1 DS12**

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
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	24.16	24.13	24.06	25.50	24.14	24.17	24.03	25.50	24.33	24.43	24.23	25.50
3GPP Rel 99	AMR 12.2Kbps	24.27	24.29	24.18	25.50	24.18	24.27	24.07	25.50	24.43	24.55	24.33	25.50
3GPP Rel 6	HSDPA Subtest-1	23.15	23.17	23.13	24.50	23.03	23.18	22.96	24.50	23.62	23.61	23.66	24.50
3GPP Rel 6	HSDPA Subtest-2	23.05	23.13	23.07	24.50	22.97	23.10	22.81	24.50	23.53	23.56	23.58	24.50
3GPP Rel 6	HSDPA Subtest-3	22.62	22.58	22.57	24.50	22.59	22.65	22.51	24.50	23.03	23.06	23.11	24.50
3GPP Rel 6	HSDPA Subtest-4	22.58	22.63	22.53	24.50	22.58	22.54	22.59	24.50	23.05	23.06	23.09	24.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.23	23.22	23.24	25.00	23.07	23.22	23.17	25.00	23.54	23.72	23.70	25.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.17	23.12	23.16	25.00	23.06	23.05	23.14	25.00	23.52	23.45	23.57	25.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.58	22.52	22.66	24.50	22.53	22.75	22.69	24.50	22.96	22.98	23.11	24.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.67	22.53	22.51	24.50	22.58	22.55	22.58	24.50	22.95	22.99	23.14	24.50
3GPP Rel 6	HSUPA Subtest-1	21.20	21.23	21.13	23.00	21.02	21.23	21.02	23.00	21.66	21.52	21.66	23.00
3GPP Rel 6	HSUPA Subtest-2	21.16	21.21	21.05	23.00	21.01	21.20	21.01	23.00	21.56	21.48	21.63	23.00
3GPP Rel 6	HSUPA Subtest-3	22.15	22.14	22.13	24.00	22.01	22.19	22.01	24.00	22.63	22.56	22.63	24.00
3GPP Rel 6	HSUPA Subtest-4	20.64	20.66	20.63	22.50	20.59	20.70	20.59	22.50	21.03	20.99	21.10	22.50
3GPP Rel 6	HSUPA Subtest-5	22.20	22.10	22.10	24.00	22.10	22.20	22.10	24.00	22.50	22.40	22.50	24.00



### Band 2 Ant1 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	24.00	24.18	23.95	25.5	0
20	QPSK	1	49	24.04	24.12	24.00		
20	QPSK	1	99	23.86	23.98	23.89		
20	QPSK	50	0	22.97	23.20	23.05	24.5	1
20	QPSK	50	24	23.05	23.12	23.07		
20	QPSK	50	50	23.04	23.02	22.98		
20	QPSK	100	0	22.88	23.00	22.93	24.5	1
20	16QAM	1	0	23.18	23.25	23.21		
20	16QAM	1	49	23.23	23.22	23.03		
20	16QAM	1	99	23.01	23.17	22.95	23.5	2
20	16QAM	50	0	21.99	21.99	22.06		
20	16QAM	50	24	22.15	22.14	22.01		
20	16QAM	50	50	21.97	22.09	21.85	23.5	2
20	16QAM	100	0	21.92	22.11	21.98		
20	64QAM	1	0	22.21	22.23	22.14		
20	64QAM	1	49	22.23	22.20	22.25	23.5	2
20	64QAM	1	99	21.97	22.85	21.98		
20	64QAM	50	0	21.03	21.01	21.14		
20	64QAM	50	24	21.19	21.14	21.15	22.5	3
20	64QAM	50	50	21.05	21.09	20.97		
20	64QAM	100	0	21.02	21.05	21.04		
Channel								
Frequency (MHz)								
15	QPSK	1	0	18675	18900	19125	25.5	0
15	QPSK	1	37	23.88	24.11	23.82		
15	QPSK	1	74	23.79	23.78	23.82		
15	QPSK	36	0	22.85	22.85	22.86	24.5	1
15	QPSK	36	20	22.85	22.97	22.98		
15	QPSK	36	39	23.03	22.98	22.79		
15	16QAM	1	0	22.83	22.98	22.78	24.5	1
15	16QAM	1	0	22.97	23.05	23.10		
15	16QAM	1	37	23.08	23.07	23.00		
15	16QAM	1	74	22.89	22.99	22.81	23.5	2
15	16QAM	36	0	21.86	21.92	21.83		
15	16QAM	36	20	21.87	21.92	21.86		
15	16QAM	36	39	21.97	21.92	21.90	23.5	2
15	16QAM	75	0	21.86	22.10	21.90		
15	64QAM	1	0	22.03	22.23	21.95		
15	64QAM	1	37	22.12	22.10	22.24	23.5	2
15	64QAM	1	74	21.98	21.88	22.00		
15	64QAM	36	0	20.90	20.88	20.94		
15	64QAM	36	20	21.11	20.99	20.97	22.5	3
15	64QAM	36	39	20.93	20.95	20.84		
15	64QAM	75	0	20.93	20.87	20.96		
Channel								
Frequency (MHz)								
10	QPSK	1	0	1855	1880	1905	25.5	0
10	QPSK	1	25	23.84	23.83	23.99		
10	QPSK	1	49	23.75	23.85	23.79		
10	QPSK	25	0	22.83	23.01	22.97	24.5	1
10	QPSK	25	12	23.02	23.08	23.08		
10	QPSK	25	25	22.92	22.88	22.82		
10	QPSK	50	0	21.94	22.95	22.95	24.5	1
10	16QAM	1	0	23.13	23.14	23.16		
10	16QAM	1	25	23.05	23.20	22.93		
10	16QAM	1	49	22.99	23.18	22.89	23.5	2
10	16QAM	25	0	21.86	21.93	21.91		
10	16QAM	25	12	22.01	22.08	21.98		
10	16QAM	25	25	21.89	22.08	21.89	23.5	2
10	16QAM	50	0	21.91	22.11	21.62		
10	64QAM	1	0	22.12	22.21	22.08		
10	64QAM	1	25	22.11	22.22	22.21	23.5	2
10	64QAM	1	49	21.93	21.92	21.90		
10	64QAM	25	0	21.93	21.92	21.97		
10	64QAM	25	12	22.02	22.07	21.92	22.5	3
10	64QAM	25	25	21.03	20.97	21.00		
10	64QAM	25	12	21.09	20.85	21.07		
10	64QAM	25	25	21.12	20.90	20.98	22.5	3
10	64QAM	50	0	21.02	21.12	20.89		
Channel								
Frequency (MHz)								
5	QPSK	1	0	1825	1890	1915	25.5	0
5	QPSK	1	12	23.88	23.98	23.75		
5	QPSK	1	24	23.72	23.92	23.89		
5	QPSK	12	0	22.80	23.18	22.97	24.5	1
5	QPSK	12	7	23.01	22.97	22.90		
5	QPSK	12	13	22.89	22.97	22.96		
5	QPSK	25	0	22.86	22.96	22.84	24.5	1
5	16QAM	1	0	23.06	23.07	23.05		
5	16QAM	1	12	23.12	23.21	23.02		
5	16QAM	1	24	23.03	23.16	23.06	23.5	2
5	16QAM	12	0	21.97	21.79	21.97		
5	16QAM	12	7	22.12	22.00	21.79		
5	16QAM	12	13	21.76	21.91	21.75	23.5	2
5	16QAM	25	0	21.71	21.98	21.91		
5	64QAM	1	0	22.18	22.14	22.16		
5	64QAM	1	12	22.02	22.04	22.21	23.5	2
5	64QAM	1	24	21.98	21.93	21.88		
5	64QAM	12	0	21.98	21.11	20.98		
5	64QAM	12	7	21.10	21.11	20.98	22.5	3
5	64QAM	12	13	20.93	20.87	20.94		
5	64QAM	25	0	20.97	20.88	20.93		
Channel								
Frequency (MHz)								
3	QPSK	1	0	18515	18900	19185	25.5	0
3	QPSK	1	8	23.89	23.82	23.76		
3	QPSK	1	14	23.58	23.79	23.61		
3	QPSK	8	0	22.79	23.04	22.83	24.5	1
3	QPSK	8	4	22.78	22.81	22.88		
3	QPSK	8	7	22.79	22.87	22.73		
3	QPSK	15	0	22.74	22.83	22.68	24.5	1
3	16QAM	1	0	23.05	23.01	23.12		
3	16QAM	1	8	23.03	22.98	22.92		
3	16QAM	1	14	22.89	22.92	22.82	23.5	2
3	16QAM	8	0	21.79	21.73	21.74		
3	16QAM	8	4	22.07	21.89	21.84		
3	16QAM	8	7	21.75	21.83	21.73	23.5	2
3	16QAM	15	0	21.80	21.89	21.78		
3	64QAM	1	0	21.94	21.98	21.86		
3	64QAM	1	8	21.98	21.94	22.02	23.5	2
3	64QAM	1	14	21.80	21.80	21.81		
3	64QAM	8	0	20.95	20.91	20.99		
3	64QAM	8	4	21.00	20.85	21.04	22.5	3
3	64QAM	8	7	20.91	20.80	20.71		
3	64QAM	15	0	20.70	20.83	20.76		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	18507	18900	19193	25.5	0
1.4	QPSK	1	3	23.79	23.80	23.87		
1.4	QPSK	1	5	23.70	23.75	23.65		
1.4	QPSK	3	0	23.91	23.78	23.72	24.5	1
1.4	QPSK	3	1	23.64	23.82	23.87		
1.4	QPSK	3	3	23.68	23.59	23.53		
1.4	QPSK	6	0	22.70	22.75	22.78	24.5	1
1.4	16QAM	1	0	23.07	23.08	23.09		
1.4	16QAM	1	3	23.07	22.95	22.92		
1.4	16QAM	1	5	22.74	22.85	22.87	24.5	1
1.4	16QAM	3	0	22.80	23.00	22.91		
1.4	16QAM	3	1	22.98	22.81	22.58		
1.4	16QAM	3	3	22.55	22.66	22.69	23.5	2
1.4	16QAM	6	0	21.64	21.99	21.81		
1.4	64QAM	1	0	21.92	21.94	21.95		
1.4	64QAM	1	3	22.12	21.93	21.93	23.5	2
1.4	64QAM	1	5	21.82	21.84	21.77		
1.4	64QAM	3	0	21.92	21.79	21.99		
1.4	64QAM	3	1	21.99	21.85	21.94	22.5	3
1.4	64QAM	3	3	21.90	21.93	21.88		
1.4	64QAM	6	0	20.86	20.89	20.80		

### Band 4 Ant1 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	24.04	24.16	23.92	25.5	0
20	QPSK	1	49	24.11	24.07	24.14		
20	QPSK	1	99	23.89	23.85	23.97		
20	QPSK	50	0	23.03	23.18	23.00	24.5	1
20	QPSK	50	24	23.08	23.15	23.06		
20	QPSK	50	50	23.16	23.02	22.97		
20	QPSK	100	0	23.05	23.09	23.00	24.5	1
20	16QAM	1	0	23.17	23.23	23.04		
20	16QAM	1	49	23.17	23.26	23.23		
20	16QAM	1	99	23.04	22.92	22.98	23.5	2
20	16QAM	50	0	22.14	22.09	22.17		
20	16QAM	50	24	22.32	22.22	22.14		
20	16QAM	50	50	22.25	22.21	22.11	23.5	2
20	16QAM	100	0	22.26	22.06	21.95		
20	64QAM	1	0	21.94	22.23	21.97		
20	64QAM	1	49	22.17	22.26	22.16	23.5	2
20	64QAM	1	99	22.07	22.09	21.93		
20	64QAM	50	0	21.05	21.14	21.07		
20	64QAM							



### Band 7 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								
Frequency (MHz)				20850	21100	21350		
20	QPSK	1	0	21.57	21.71	21.31	23	0
20	QPSK	1	49	21.55	21.69	21.50		
20	QPSK	1	99	21.63	21.51	21.49		
20	QPSK	50	0	21.63	21.66	21.49		
20	QPSK	50	24	21.63	21.65	21.43	23	0
20	QPSK	50	50	21.59	21.61	21.44		
20	QPSK	100	0	21.57	21.61	21.46		
20	16QAM	1	0	21.61	21.64	21.38	23	0
20	16QAM	1	49	21.66	21.69	21.45		
20	16QAM	1	99	21.65	21.55	21.50		
20	16QAM	50	0	21.69	21.55	21.62		
20	16QAM	50	24	21.67	21.64	21.39	23	0
20	16QAM	50	50	21.63	21.51	21.42		
20	16QAM	100	0	21.65	21.51	21.56		
20	64QAM	1	0	21.55	21.66	21.46		
20	64QAM	1	49	21.56	21.66	21.38	23	0
20	64QAM	1	99	21.57	21.58	21.57		
20	64QAM	50	0	21.14	21.21	21.16		
20	64QAM	50	24	21.19	21.20	20.92	22.5	0.5
20	64QAM	50	50	21.04	21.03	20.98		
20	64QAM	100	0	21.17	21.23	21.05		
Channel								
Frequency (MHz)				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.46	21.63	21.24	23	0
15	QPSK	1	37	21.60	21.69	21.41		
15	QPSK	1	74	21.65	21.52	21.47		
15	QPSK	36	20	21.69	21.50	21.45	23	0
15	QPSK	36	20	21.64	21.62	21.31		
15	QPSK	36	39	21.53	21.53	21.31		
15	QPSK	75	0	21.62	21.62	21.51		
15	16QAM	1	0	21.56	21.70	21.37	23	0
15	16QAM	1	37	21.69	21.68	21.44		
15	16QAM	1	74	21.65	21.55	21.45		
15	16QAM	36	0	21.54	21.53	21.62	23	0
15	16QAM	36	20	21.68	21.47	21.38		
15	16QAM	36	39	21.65	21.47	21.30		
15	16QAM	75	0	21.59	21.53	21.48		
15	64QAM	1	0	21.56	21.56	21.38	23	0
15	64QAM	1	37	21.41	21.50	21.38		
15	64QAM	1	74	21.44	21.46	21.62		
15	64QAM	36	0	21.05	21.11	21.19	22.5	0.5
15	64QAM	36	20	21.20	21.02	20.81		
15	64QAM	36	39	21.02	20.96	21.03		
15	64QAM	75	0	21.20	21.19	21.00		
Channel								
Frequency (MHz)				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.58	21.66	21.16	23	0
10	QPSK	1	25	21.40	21.64	21.51		
10	QPSK	1	49	21.57	21.54	21.35		
10	QPSK	25	0	21.64	21.60	21.64		
10	QPSK	25	12	21.53	21.58	21.38	23	0
10	QPSK	25	25	21.51	21.64	21.38		
10	QPSK	50	0	21.55	21.61	21.32		
10	16QAM	1	0	21.54	21.50	21.40	23	0
10	16QAM	1	25	21.65	21.68	21.33		
10	16QAM	1	49	21.69	21.50	21.38		
10	16QAM	25	0	21.55	21.43	21.55	23	0
10	16QAM	25	12	21.61	21.51	21.43		
10	16QAM	25	25	21.57	21.35	21.40		
10	16QAM	50	0	21.53	21.37	21.43		
10	64QAM	1	0	21.38	21.65	21.42	23	0
10	64QAM	1	25	21.52	21.69	21.30		
10	64QAM	1	49	21.49	21.42	21.42		
10	64QAM	25	0	21.00	21.23	21.16	22.5	0.5
10	64QAM	25	12	21.23	21.24	20.93		
10	64QAM	25	25	20.87	21.01	20.82		
10	64QAM	50	0	21.22	21.21	21.00		
Channel								
Frequency (MHz)				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.57	21.53	21.34	23	0
5	QPSK	1	12	21.48	21.55	21.47		
5	QPSK	1	24	21.56	21.40	21.35		
5	QPSK	12	0	21.62	21.52	21.61	23	0
5	QPSK	12	7	21.53	21.68	21.44		
5	QPSK	12	13	21.62	21.56	21.32		
5	QPSK	25	0	21.61	21.59	21.51		
5	16QAM	1	0	21.46	21.63	21.40	23	0
5	16QAM	1	12	21.64	21.58	21.49		
5	16QAM	1	24	21.67	21.50	21.38		
5	16QAM	12	0	21.62	21.61	21.56	23	0
5	16QAM	12	7	21.69	21.57	21.40		
5	16QAM	12	13	21.62	21.56	21.25		
5	16QAM	25	0	21.63	21.48	21.28		
5	64QAM	1	0	21.54	21.64	21.36	23	0
5	64QAM	1	12	21.44	21.49	21.27		
5	64QAM	1	24	21.46	21.59	21.62		
5	64QAM	12	0	21.10	21.04	21.13	22.5	0.5
5	64QAM	12	7	21.08	21.07	20.95		
5	64QAM	12	13	21.09	21.03	20.99		
5	64QAM	25	0	21.00	21.07	21.09		

### Band 12 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								
Frequency (MHz)				23060	23095	23190		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	24.23	24.27	24.26	25.5	0
10	QPSK	1	25	24.22	24.25	24.23		
10	QPSK	1	49	24.10	24.15	24.16		
10	QPSK	25	0	23.09	23.36	23.15	24.5	1
10	QPSK	25	12	23.27	23.27	23.30		
10	QPSK	25	25	23.16	23.24	23.21		
10	QPSK	50	0	23.15	23.25	23.19		
10	16QAM	1	0	22.99	23.25	23.09	24.5	1
10	16QAM	1	25	23.13	23.20	23.16		
10	16QAM	1	49	23.15	23.19	23.18		
10	16QAM	25	0	22.16	22.35	22.10	23.5	2
10	16QAM	25	12	22.28	22.24	22.27		
10	16QAM	25	25	22.35	22.19	22.13		
10	16QAM	50	0	22.25	22.14	22.15		
10	64QAM	1	0	22.09	22.24	22.07	23.5	2
10	64QAM	1	25	22.11	22.21	22.19		
10	64QAM	1	49	22.13	22.20	22.18		
10	64QAM	25	0	20.99	21.22	21.01	22.5	3
10	64QAM	25	12	21.16	21.15	21.15		
10	64QAM	25	25	21.13	21.09	21.04		
10	64QAM	50	0	21.17	21.02	21.04		
Channel								
Frequency (MHz)				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	24.10	24.24	24.11	25.5	0
5	QPSK	1	12	24.11	24.16	24.14		
5	QPSK	1	24	24.04	24.13	24.05		
5	QPSK	12	0	22.93	23.30	23.03	24.5	1
5	QPSK	12	7	23.23	23.20	23.18		
5	QPSK	12	13	23.11	23.14	23.16		
5	QPSK	25	0	23.13	23.10	23.03	24.5	1
5	16QAM	1	0	22.92	23.11	22.99		
5	16QAM	1	12	23.03	23.17	23.12	24.5	1
5	16QAM	1	24	22.99	23.15	23.01		
5	16QAM	12	0	22.10	22.17	21.98	23.5	2
5	16QAM	12	7	22.23	22.07	22.17		
5	16QAM	12	13	22.31	22.08	21.97		
5	16QAM	25	0	22.08	22.02	22.10	23.5	2
5	64QAM	1	0	22.03	22.07	21.97		
5	64QAM	1	12	22.06	22.19	22.02		
5	64QAM	1	24	22.16	22.16	22.10	22.5	3
5	64QAM	12	0	20.85	21.16	20.95		
5	64QAM	12	7	21.04	21.02	21.11		
5	64QAM	12	13	21.05	21.00	20.92		
5	64QAM	25	0	21.04	20.86	20.95		
Channel								
Frequency (MHz)				23025	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	24.15	24.19	24.19	25.5	0
3	QPSK	1	8	24.10	24.23	24.19		
3	QPSK	1	14	23.94	23.97	24.07		
3	QPSK	8	0	23.02	23.23	23.08	24.5	1
3	QPSK							



Band 17 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				769	710	711			
Frequency (MHz)				23790	23790	23800			
10	QPSK	1	0	24.10	24.24	24.14	25.5	0	
10	QPSK	1	25	24.23	24.20	24.16			
10	QPSK	1	49	24.22	24.18	24.20			
10	QPSK	25	0	23.04	23.25	23.11	24.5	1	
10	QPSK	25	12	23.21	23.13	23.19			
10	QPSK	25	25	23.12	23.15	23.18			
10	QPSK	50	0	23.11	23.17	23.15	24.5	1	
10	16QAM	1	0	23.21	23.27	23.21			
10	16QAM	1	25	23.14	23.23	23.25			
10	16QAM	1	49	23.10	23.21	23.23	23.5	2	
10	16QAM	25	0	22.00	22.21	22.08			
10	16QAM	25	12	22.16	22.19	22.20			
10	16QAM	25	25	22.09	22.10	22.12	23.5	2	
10	16QAM	50	0	22.07	22.08	22.11			
10	16QAM	1	0	22.06	22.16	22.05			
10	16QAM	1	25	22.01	22.14	22.08	22.5	3	
10	16QAM	1	49	22.10	22.12	22.14			
10	16QAM	25	0	20.99	21.20	21.06			
10	16QAM	25	12	21.12	21.18	20.98	22.5	3	
10	16QAM	25	25	21.07	21.09	21.11			
10	16QAM	50	0	21.01	21.06	21.09			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.04	24.11	24.08	25.5	0	
5	QPSK	1	12	24.20	24.17	24.03			
5	QPSK	1	24	24.10	24.10	24.05			
5	QPSK	12	0	22.94	23.19	22.98	24.5	1	
5	QPSK	12	7	23.18	22.98	23.16			
5	QPSK	12	13	23.03	23.05	23.06			
5	QPSK	25	0	23.08	23.02	23.12	24.5	1	
5	16QAM	1	0	23.13	23.19	23.13			
5	16QAM	1	12	22.99	23.18	23.14			
5	16QAM	1	24	23.00	23.06	23.16	23.5	2	
5	16QAM	12	0	21.88	22.07	22.06			
5	16QAM	12	7	21.99	22.07	22.16			
5	16QAM	12	13	22.05	22.00	22.10	23.5	2	
5	16QAM	25	0	21.93	22.02	22.01			
5	16QAM	1	0	21.98	22.05	21.93			
5	16QAM	1	12	21.99	22.05	21.95	23.5	2	
5	16QAM	1	24	22.04	22.05	21.98			
5	16QAM	12	0	20.81	21.04	20.99			
5	16QAM	12	7	21.04	21.06	20.94	22.5	3	
5	16QAM	12	13	20.98	21.07	20.97			
5	16QAM	25	0	20.95	20.99	20.98			

Band 66 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				132072	132322	132572			
Frequency (MHz)				1762	1745	1770			
20	QPSK	1	0	23.93	24.20	23.90	25.5	0	
20	QPSK	1	49	24.06	24.04	23.91			
20	QPSK	1	99	23.80	23.87	23.96			
20	QPSK	50	0	22.96	23.08	22.85	24.5	1	
20	QPSK	50	24	22.98	23.06	22.92			
20	QPSK	50	50	22.90	22.92	22.74			
20	QPSK	100	0	22.96	23.03	22.79	24.5	1	
20	16QAM	1	0	23.07	23.09	22.84			
20	16QAM	1	49	22.99	23.07	22.94			
20	16QAM	1	99	22.84	22.82	22.86	23.5	2	
20	16QAM	50	0	22.04	22.16	21.92			
20	16QAM	50	24	22.16	22.09	21.97			
20	16QAM	50	50	22.15	21.99	21.87	23.5	2	
20	16QAM	100	0	22.08	21.99	21.86			
20	16QAM	1	0	22.13	22.16	21.90			
20	16QAM	1	49	22.10	22.15	22.08	23.5	2	
20	16QAM	1	99	21.95	21.89	21.86			
20	16QAM	50	0	20.88	21.00	20.76			
20	16QAM	50	24	20.90	20.91	20.82	22.5	3	
20	16QAM	50	50	20.99	20.82	20.64			
20	16QAM	100	0	20.93	20.84	20.70			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	23.77	23.95	23.76	25.5	0	
15	QPSK	1	37	24.00	24.02	23.88			
15	QPSK	1	74	23.74	23.70	23.84			
15	QPSK	36	0	22.83	23.04	22.89	24.5	1	
15	QPSK	36	20	22.85	22.91	22.90			
15	QPSK	36	39	22.77	22.85	22.71			
15	QPSK	75	0	22.89	22.89	22.72	24.5	1	
15	16QAM	1	0	23.05	23.02	22.73			
15	16QAM	1	37	22.86	23.04	22.78			
15	16QAM	1	74	22.68	22.73	22.70	23.5	2	
15	16QAM	36	0	21.99	22.13	21.86			
15	16QAM	36	20	22.10	21.99	21.80			
15	16QAM	36	39	22.05	21.83	21.79	23.5	2	
15	16QAM	75	0	22.05	21.86	21.83			
15	16QAM	1	0	21.99	22.08	21.87			
15	16QAM	1	37	21.95	22.06	22.04	23.5	2	
15	16QAM	1	74	21.78	21.79	21.76			
15	16QAM	36	0	20.79	20.89	20.64			
15	16QAM	36	20	20.76	20.80	20.68	22.5	3	
15	16QAM	36	39	20.84	20.74	20.59			
15	16QAM	75	0	20.85	20.72	20.53			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	23.85	24.06	23.84	25.5	0	
10	QPSK	1	25	23.90	23.94	23.78			
10	QPSK	1	49	23.70	23.76	23.78			
10	QPSK	25	0	22.86	22.99	22.80	24.5	1	
10	QPSK	25	12	22.93	22.94	22.84			
10	QPSK	25	25	22.82	22.79	22.84			
10	QPSK	50	0	22.93	22.79	22.69	24.5	1	
10	16QAM	1	0	22.92	23.00	22.72			
10	16QAM	1	25	22.92	22.94	22.86			
10	16QAM	1	49	22.68	22.65	22.82	23.5	2	
10	16QAM	25	0	22.00	22.13	21.76			
10	16QAM	25	12	22.03	21.98	21.82			
10	16QAM	25	25	22.00	21.92	21.79	23.5	2	
10	16QAM	50	0	21.97	21.83	21.79			
10	16QAM	1	0	22.06	22.05	21.85			
10	16QAM	1	25	21.97	22.12	21.97	23.5	2	
10	16QAM	1	49	21.78	21.82	21.77			
10	16QAM	25	0	20.83	20.86	20.62			
10	16QAM	25	12	20.73	20.85	20.79	22.5	3	
10	16QAM	25	25	20.88	20.68	20.52			
10	16QAM	50	0	20.89	20.66	20.52			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	23.88	23.96	23.73	25.5	0	
5	QPSK	1	12	23.99	23.94	23.82			
5	QPSK	1	24	23.70	23.69	23.86			
5	QPSK	12	0	22.93	22.99	22.78	24.5	1	
5	QPSK	12	7	22.93	22.94	22.80			
5	QPSK	12	13	22.84	22.80	22.69			
5	QPSK	25	0	22.90	22.86	22.76	24.5	1	
5	16QAM	1	0	23.02	23.06	22.78			
5	16QAM	1	12	22.88	23.01	22.84			
5	16QAM	1	24	22.76	22.75	22.81	23.5	2	
5	16QAM	12	0	21.95	22.13	21.88			
5	16QAM	12	7	22.09	22.06	21.91			
5	16QAM	12	13	22.01	21.90	21.82	23.5	2	
5	16QAM	25	0	21.98	21.84	21.72			
5	16QAM	1	0	21.96	22.04	21.72			
5	16QAM	1	12	21.99	21.98	21.95	23.5	2	
5	16QAM	1	24	21.85	21.74	21.78			
5	16QAM	12	0	20.81	20.93	20.67			
5	16QAM	12	7	20.73	20.75	20.74	22.5	3	
5	16QAM	12	13	20.90	20.68	20.59			
5	16QAM	25	0	20.81	20.71	20.63			
Channel				131967	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	23.90	24.01	23.84	25.5	0	
3	QPSK	1	8	24.03	23.96	23.84			
3	QPSK	1	14	23.65	23.82	23.80			
3	QPSK	8	0	22.79	23.02	22.69	24.5	1	
3	QPSK	8	4	22.92	22.96	22.77			
3	QPSK	8	7	22.74	22.79	22.70			
3	QPSK	15	0	22.99	22.80	22.72	24.5	1	
3	16QAM	1	0	22.98	23.01	22.79			
3	16QAM	1	8	22.94</					





**GSM850 Ant 2 DS12**

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8		
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	32.26	32.33	32.21	33.50	23.26	23.33	23.21	24.50
GPRS 1 Tx slot	32.34	32.38	32.29	33.50	23.34	23.38	23.29	24.50
GPRS 2 Tx slots	30.17	30.11	30.02	31.00	24.17	24.11	24.02	25.00
GPRS 3 Tx slots	28.40	28.43	28.30	29.50	24.14	24.17	24.04	25.24
GPRS 4 Tx slots	26.46	26.44	26.33	27.50	23.46	23.44	23.33	24.50
EDGE 1 Tx slot	27.06	27.30	27.39	28.00	18.06	18.30	18.39	19.00
EDGE 2 Tx slots	24.55	24.78	24.88	25.50	18.55	18.78	18.88	19.50
EDGE 3 Tx slots	22.84	23.03	23.19	24.00	18.58	18.77	18.93	19.74
EDGE 4 Tx slots	21.56	21.73	21.93	22.50	18.56	18.73	18.93	19.50

**GSM1900 Ant 2 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	29.53	29.45	29.36	30.50	20.53	20.45	20.36	21.50
GPRS 1 Tx slot	29.69	29.51	29.50	30.50	20.69	20.51	20.50	21.50
GPRS 2 Tx slots	27.27	27.00	26.95	28.00	21.27	21.00	20.95	22.00
GPRS 3 Tx slots	25.74	25.82	25.68	26.50	21.48	21.56	21.42	22.24
GPRS 4 Tx slots	24.18	23.95	24.08	25.00	21.18	20.95	21.08	22.00
EDGE 1 Tx slot	26.52	26.29	26.33	27.00	17.52	17.29	17.33	18.00
EDGE 2 Tx slots	23.92	23.62	23.81	24.50	17.92	17.62	17.81	18.50
EDGE 3 Tx slots	22.16	21.91	22.17	23.00	17.90	17.65	17.91	18.74
EDGE 4 Tx slots	20.58	20.46	20.53	21.50	17.58	17.46	17.53	18.50

**WCDMA II Ant 2 DS12**

**WCDMA IV Ant 2 DS12**

**WCDMA V Ant 2 DS12**

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
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	22.57	22.62	22.59	23.50	22.94	23.19	22.87	24.00	24.44	24.50	24.46	25.50
3GPP Rel 99	RM1C 12.2Kbps	22.69	22.72	22.61	23.50	23.17	23.20	23.11	24.00	24.56	24.59	24.53	25.50
3GPP Rel 6	HSDPA Subtest-1	21.66	21.68	21.71	22.50	22.02	22.24	22.08	23.00	23.56	23.49	23.58	24.50
3GPP Rel 6	HSDPA Subtest-2	21.64	21.66	21.66	22.50	21.82	22.05	21.96	23.00	23.49	23.38	23.42	24.50
3GPP Rel 6	HSDPA Subtest-3	21.10	21.01	21.16	22.50	21.35	21.58	21.30	23.00	23.01	22.90	22.94	24.50
3GPP Rel 6	HSDPA Subtest-4	21.16	21.12	21.00	22.50	21.52	21.56	21.23	23.00	23.03	22.90	22.92	24.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.48	21.59	21.65	23.00	21.95	22.30	21.87	23.50	23.45	23.53	23.69	25.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.62	21.64	21.62	23.00	21.89	21.98	22.08	23.50	23.51	23.49	23.32	25.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.02	21.02	20.91	22.50	21.50	21.55	21.25	23.00	22.97	22.97	22.85	24.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.06	21.21	20.94	22.50	21.29	21.68	21.44	23.00	22.91	23.00	23.01	24.50
3GPP Rel 6	HSUPA Subtest-1	19.67	19.78	19.58	21.00	19.88	20.25	19.98	21.50	21.52	21.43	21.49	23.00
3GPP Rel 6	HSUPA Subtest-2	19.68	19.64	19.71	21.00	19.93	20.18	20.07	21.50	21.49	21.43	21.40	23.00
3GPP Rel 6	HSUPA Subtest-3	20.67	20.69	20.74	22.00	20.95	21.34	20.96	22.50	22.52	22.38	22.48	24.00
3GPP Rel 6	HSUPA Subtest-4	19.20	19.27	19.31	20.50	19.58	19.77	19.32	21.00	20.97	20.90	20.95	22.50
3GPP Rel 6	HSUPA Subtest-5	20.79	20.60	20.71	22.00	21.00	21.08	20.97	22.50	22.37	22.37	22.37	24.00















**GSM850 Ant 1 DSH**

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.05	32.09	32.03	33.50	23.05	23.09	23.03	24.50
GPRS 1 Tx slot	32.15	32.18	32.16	33.50	23.15	23.18	23.16	24.50
GPRS 2 Tx slots	30.03	30.04	29.99	31.00	24.03	24.04	23.99	25.00
GPRS 3 Tx slots	28.33	28.34	28.31	29.50	24.07	24.08	24.05	25.24
GPRS 4 Tx slots	26.44	26.46	26.39	27.50	23.44	23.46	23.39	24.50
EDGE 1 Tx slot	26.75	27.03	27.08	28.00	17.75	18.03	18.08	19.00
EDGE 2 Tx slots	24.21	24.50	24.57	25.50	18.21	18.50	18.57	19.50
EDGE 3 Tx slots	22.57	22.81	22.89	24.00	18.31	18.55	18.63	19.74
EDGE 4 Tx slots	21.21	21.43	21.56	22.50	18.21	18.43	18.56	19.50

**GSM1900 Ant 1 DSH**

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	26.73	26.85	26.82	28.00	17.73	17.85	17.82	19.00
GPRS 1 Tx slot	26.68	26.82	26.79	28.00	17.68	17.82	17.79	19.00
GPRS 2 Tx slots	23.65	23.69	23.61	25.00	17.65	17.69	17.61	19.00
GPRS 3 Tx slots	21.60	21.67	21.65	23.50	17.34	17.41	17.39	19.24
GPRS 4 Tx slots	20.47	20.29	20.61	21.50	17.47	17.29	17.61	18.50
EDGE 1 Tx slot	25.79	25.74	25.68	27.00	16.79	16.74	16.68	18.00
EDGE 2 Tx slots	23.39	23.28	23.35	24.50	17.39	17.28	17.35	18.50
EDGE 3 Tx slots	21.38	21.43	21.39	23.00	17.12	17.17	17.13	18.74
EDGE 4 Tx slots	20.25	20.27	20.19	21.50	17.25	17.27	17.19	18.50

**WCDMA II Ant 1 DSH**

**WCDMA IV Ant 1 DSH**

**WCDMA V Ant 1 DSH**

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
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	20.40	20.44	20.28	21.50	20.37	20.40	20.33	21.50	24.33	24.43	24.23	25.50
3GPP Rel 99 RMC 12.2Kbps	20.43	20.48	20.32	21.50	20.40	20.42	20.37	21.50	24.43	24.55	24.33	25.50
3GPP Rel 6 HSDPA Subtest-1	18.43	18.54	18.46	19.50	18.59	18.50	18.47	19.50	23.62	23.61	23.66	24.50
3GPP Rel 6 HSDPA Subtest-2	18.42	18.44	18.44	19.50	18.61	18.35	18.31	19.50	23.53	23.56	23.58	24.50
3GPP Rel 6 HSDPA Subtest-3	17.92	18.02	18.03	19.50	18.08	17.93	17.83	19.50	23.03	23.06	23.11	24.50
3GPP Rel 6 HSDPA Subtest-4	17.98	17.93	17.97	19.50	18.04	17.87	17.84	19.50	23.05	23.06	23.09	24.50
3GPP Rel 8 DC-HSDPA Subtest-1	18.31	18.43	18.49	19.50	18.64	18.43	18.53	19.50	23.54	23.72	23.70	25.00
3GPP Rel 8 DC-HSDPA Subtest-2	18.34	18.39	18.42	19.50	18.54	18.33	18.38	19.50	23.52	23.45	23.57	25.00
3GPP Rel 8 DC-HSDPA Subtest-3	17.91	17.91	17.92	19.50	18.20	17.97	17.86	19.50	22.96	22.98	23.11	24.50
3GPP Rel 8 DC-HSDPA Subtest-4	17.92	18.03	18.08	19.50	18.06	17.91	17.93	19.50	22.95	22.99	23.14	24.50
3GPP Rel 6 HSUPA Subtest-1	18.50	18.51	18.52	19.50	18.54	18.54	18.62	19.50	21.66	21.52	21.66	23.00
3GPP Rel 6 HSUPA Subtest-2	16.49	16.59	16.50	17.50	16.60	16.42	16.40	17.50	21.56	21.48	21.63	23.00
3GPP Rel 6 HSUPA Subtest-3	17.52	17.52	17.49	18.50	17.60	17.47	17.43	18.50	22.63	22.56	22.63	24.00
3GPP Rel 6 HSUPA Subtest-4	16.36	16.20	16.28	16.50	16.37	16.25	16.28	16.50	21.03	20.99	21.10	22.50
3GPP Rel 6 HSUPA Subtest-5	18.50	18.50	18.40	19.50	18.60	18.50	18.30	19.50	22.50	22.40	22.50	24.00











**GSM850 Ant 2 DSH**

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8		
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	32.26	32.33	32.21	33.50	23.26	23.33	23.21	
GPRS 1 Tx slot	32.34	32.38	32.29	33.50	23.34	23.38	23.29	
GPRS 2 Tx slots	30.17	30.11	30.02	31.00	24.17	24.11	24.02	
GPRS 3 Tx slots	28.40	28.43	28.30	29.50	24.14	24.17	24.04	
GPRS 4 Tx slots	26.46	26.44	26.33	27.50	23.46	23.44	23.33	
EDGE 1 Tx slot	27.06	27.30	27.39	28.00	18.06	18.30	18.39	
EDGE 2 Tx slots	24.55	24.78	24.88	25.50	18.55	18.78	18.88	
EDGE 3 Tx slots	22.84	23.03	23.19	24.00	18.58	18.77	18.93	
EDGE 4 Tx slots	21.56	21.73	21.93	22.50	18.56	18.73	18.93	

**GSM1900 Ant 2 DSH**

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	26.20	25.93	26.07	27.00	17.20	16.93	17.07	
GPRS 1 Tx slot	26.16	25.88	25.95	27.00	17.16	16.88	16.95	
GPRS 2 Tx slots	22.69	22.39	22.55	23.50	16.69	16.39	16.55	
GPRS 3 Tx slots	21.07	21.11	21.05	22.50	16.81	16.85	16.79	
GPRS 4 Tx slots	19.49	19.28	19.61	20.50	16.49	16.28	16.61	
EDGE 1 Tx slot	26.21	25.92	25.96	27.00	17.21	16.92	16.96	
EDGE 2 Tx slots	23.05	22.70	22.82	23.50	17.05	16.70	16.82	
EDGE 3 Tx slots	21.30	20.91	20.90	22.00	17.04	16.65	16.64	
EDGE 4 Tx slots	19.98	19.92	19.64	20.50	16.98	16.92	16.64	

**WCDMA II Ant 2 DSH**

**WCDMA IV Ant 2 DSH**

**WCDMA V Ant 2 DSH**

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
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	17.25	17.34	17.29	18.00	18.19	18.23	18.18	18.50	24.44	24.50	24.46	25.50
3GPP Rel 99	AMR 12.2Kbps	17.29	17.38	17.32	18.00	18.24	18.27	18.22	18.50	24.56	24.59	24.53	25.50
3GPP Rel 6	HSDPA Subtest-1	15.38	15.40	15.35	16.00	16.35	16.34	16.29	16.50	23.58	23.49	23.58	24.50
3GPP Rel 6	HSDPA Subtest-2	15.26	15.33	15.28	16.00	16.35	16.20	16.13	16.50	23.49	23.38	23.42	24.50
3GPP Rel 6	HSDPA Subtest-3	14.71	14.80	14.88	16.00	15.88	15.76	15.71	16.50	23.01	22.90	22.94	24.50
3GPP Rel 6	HSDPA Subtest-4	14.82	14.85	14.82	16.00	15.84	15.71	15.60	16.50	23.03	22.90	22.92	24.50
3GPP Rel 6	DC-HSDPA Subtest-1	15.33	15.46	15.35	16.00	16.28	16.28	16.18	16.50	23.45	23.53	23.69	25.00
3GPP Rel 6	DC-HSDPA Subtest-2	15.37	15.28	15.36	16.00	16.44	16.08	16.10	16.50	23.51	23.49	23.32	25.00
3GPP Rel 6	DC-HSDPA Subtest-3	14.75	14.80	14.81	16.00	15.86	15.87	15.67	16.50	22.97	22.97	22.85	24.50
3GPP Rel 6	DC-HSDPA Subtest-4	14.93	14.87	14.82	16.00	15.87	15.65	15.64	16.50	22.91	23.00	23.01	24.50
3GPP Rel 6	HSUPA Subtest-1	15.25	15.37	15.20	16.00	16.29	16.37	16.22	16.50	21.52	21.43	21.49	23.00
3GPP Rel 6	HSUPA Subtest-2	13.32	13.37	13.39	15.00	14.38	14.45	14.39	15.50	21.49	21.43	21.40	23.00
3GPP Rel 6	HSUPA Subtest-3	14.36	14.43	14.41	16.00	15.30	15.42	15.38	16.50	22.52	22.38	22.48	24.00
3GPP Rel 6	HSUPA Subtest-4	13.35	13.42	13.42	15.00	14.34	14.44	14.37	15.50	20.97	20.90	20.95	22.50
3GPP Rel 6	HSUPA Subtest-5	15.28	15.38	15.27	16.00	16.28	16.35	16.31	16.50	22.37	22.37	22.37	24.00













UL CA Power

Ant 1 Full Power		DSI1		CA_7C							
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	2	0	23.83	25.50	
21100	21298	QPSK	1	99	1	0	2	0	23.91	25.50	
21350	21152	QPSK	1	0	1	99	2	0	23.70	25.50	
20850	21048	QPSK	1	49	50	0	2	1	22.68	24.50	
21100	21298	QPSK	1	49	50	0	2	1	22.88	24.50	
21350	21152	QPSK	50	0	1	49	2	1	22.86	24.50	

Ant 2 Full Power		Default		CA_7C							
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	2	0	24.06	25.50	
21100	21298	QPSK	1	99	1	0	2	0	24.08	25.50	
21350	21152	QPSK	1	0	1	99	2	0	24.01	25.50	
20850	21048	QPSK	1	49	50	0	2	1	23.20	24.50	
21100	21298	QPSK	1	49	50	0	2	1	23.30	24.50	
21350	21152	QPSK	50	0	1	49	2	1	23.07	24.50	

Ant 1 Down Power		DSI2		CA_7C							
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	2	0	21.55	23.00	
21100	21298	QPSK	1	99	1	0	2	0	21.65	23.00	
21350	21152	QPSK	1	0	1	99	2	0	21.22	23.00	
20850	21048	QPSK	1	49	50	0	2	0	21.57	23.00	
21100	21298	QPSK	1	49	50	0	2	0	21.61	23.00	
21350	21152	QPSK	50	0	1	49	2	0	21.54	23.00	

Ant 1 Down Power		DSI3		CA_7C							
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	2	0	17.67	19.50	
21100	21298	QPSK	1	99	1	0	2	0	17.90	19.50	
21350	21152	QPSK	1	0	1	99	2	0	17.57	19.50	
20850	21048	QPSK	1	49	50	0	2	0	17.59	19.50	
21100	21298	QPSK	1	49	50	0	2	0	17.84	19.50	
21350	21152	QPSK	50	0	1	49	2	0	17.79	19.50	

Ant 2 Down Power		DSI1&4		CA_7C							
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	2	0	17.46	19.00	
21100	21298	QPSK	1	99	1	0	2	0	17.87	19.00	
21350	21152	QPSK	1	0	1	99	2	0	17.63	19.00	
20850	21048	QPSK	1	49	50	0	2	0	17.41	19.00	
21100	21298	QPSK	1	49	50	0	2	0	17.79	19.00	
21350	21152	QPSK	50	0	1	49	2	0	17.45	19.00	

Ant 2 Down Power		DSI2		CA_7C							
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	2	0	22.53	24.00	
21100	21298	QPSK	1	99	1	0	2	0	22.74	24.00	
21350	21152	QPSK	1	0	1	99	2	0	22.59	24.00	
20850	21048	QPSK	1	49	50	0	2	0	22.44	24.00	
21100	21298	QPSK	1	49	50	0	2	0	22.56	24.00	
21350	21152	QPSK	50	0	1	49	2	0	22.57	24.00	



Ant 1 Full Power			DS11&2							
CA_38C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	2	0	23.79	25.50
37901	38099	QPSK	1	99	1	0	2	0	23.86	25.50
38150	37952	QPSK	1	0	1	99	2	0	23.62	25.50
37850	38048	QPSK	1	49	50	0	2	1	22.80	24.50
37901	38099	QPSK	1	49	50	0	2	1	22.73	24.50
38150	37952	QPSK	50	0	1	49	2	1	22.71	24.50

Ant 2 Full Power			DS12							
CA_38C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	2	0	24.14	25.50
37901	38099	QPSK	1	99	1	0	2	0	24.17	25.50
38150	37952	QPSK	1	0	1	99	2	0	23.93	25.50
37850	38048	QPSK	1	49	50	0	2	1	23.03	24.50
37901	38099	QPSK	1	49	50	0	2	1	23.11	24.50
38150	37952	QPSK	50	0	1	49	2	1	23.01	24.50

Ant 1 Down Power			DS13							
CA_38C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	2	0	17.69	19.50
37901	38099	QPSK	1	99	1	0	2	0	17.78	19.50
38150	37952	QPSK	1	0	1	99	2	0	17.76	19.50
37850	38048	QPSK	1	49	50	0	2	0	17.69	19.50
37901	38099	QPSK	1	49	50	0	2	0	17.67	19.50
38150	37952	QPSK	50	0	1	49	2	0	17.58	19.50

Ant 2 Down Power			DS11							
CA_38C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	2	0	20.82	22.50
37901	38099	QPSK	1	99	1	0	2	0	20.84	22.50
38150	37952	QPSK	1	0	1	99	2	0	20.90	22.50
37850	38048	QPSK	1	49	50	0	2	0	20.85	22.50
37901	38099	QPSK	1	49	50	0	2	0	20.63	22.50
38150	37952	QPSK	50	0	1	49	2	0	20.62	22.50

Ant 2 Down Power			DS14							
CA_38C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	2	0	19.80	21.50
37901	38099	QPSK	1	99	1	0	2	0	19.98	21.50
38150	37952	QPSK	1	0	1	99	2	0	19.67	21.50
37850	38048	QPSK	1	49	50	0	2	0	19.71	21.50
37901	38099	QPSK	1	49	50	0	2	0	19.95	21.50
38150	37952	QPSK	50	0	1	49	2	0	19.78	21.50



Ant 1 Full Power			DS11&2							
CA_41C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	23.57	25.50
40185	40383	QPSK	1	99	1	0	2	0	23.48	25.50
40620	40818	QPSK	1	99	1	0	2	0	23.80	25.50
41055	41253	QPSK	1	99	1	0	2	0	23.62	25.50
41490	41292	QPSK	1	0	1	99	2	0	23.52	25.50
39750	39948	QPSK	1	49	50	0	2	1	22.56	24.50
40185	40383	QPSK	1	49	50	0	2	1	22.62	24.50
40620	40818	QPSK	1	49	50	0	2	1	22.87	24.50
41055	41253	QPSK	1	49	50	0	2	1	22.73	24.50
41490	41292	QPSK	50	0	1	49	2	1	22.65	24.50

Ant 2 Full Power			DS12							
CA_41C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	24.25	25.50
40185	40383	QPSK	1	99	1	0	2	0	24.16	25.50
40620	40818	QPSK	1	99	1	0	2	0	24.19	25.50
41055	41253	QPSK	1	99	1	0	2	0	24.20	25.50
41490	41292	QPSK	1	0	1	99	2	0	24.17	25.50
39750	39948	QPSK	1	49	50	0	2	1	23.06	24.50
40185	40383	QPSK	1	49	50	0	2	1	22.86	24.50
40620	40818	QPSK	1	49	50	0	2	1	23.21	24.50
41055	41253	QPSK	1	49	50	0	2	1	23.06	24.50
41490	41292	QPSK	50	0	1	49	2	1	23.11	24.50

Ant 1 Down Power			DS13							
CA_41C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	17.52	19.50
40185	40383	QPSK	1	99	1	0	2	0	17.53	19.50
40620	40818	QPSK	1	99	1	0	2	0	17.75	19.50
41055	41253	QPSK	1	99	1	0	2	0	17.55	19.50
41490	41292	QPSK	1	0	1	99	2	0	17.58	19.50
39750	39948	QPSK	1	49	50	0	2	0	17.51	19.50
40185	40383	QPSK	1	49	50	0	2	0	17.59	19.50
40620	40818	QPSK	1	49	50	0	2	0	17.61	19.50
41055	41253	QPSK	1	49	50	0	2	0	17.58	19.50
41490	41292	QPSK	50	0	1	49	2	0	17.51	19.50

Ant 2 Down Power			DS11							
CA_41C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	20.71	22.00
40185	40383	QPSK	1	99	1	0	2	0	20.67	22.00
40620	40818	QPSK	1	99	1	0	2	0	20.70	22.00
41055	41253	QPSK	1	99	1	0	2	0	20.76	22.00
41490	41292	QPSK	1	0	1	99	2	0	20.78	22.00
39750	39948	QPSK	1	49	50	0	2	0	20.73	22.00
40185	40383	QPSK	1	49	50	0	2	0	20.61	22.00
40620	40818	QPSK	1	49	50	0	2	0	20.73	22.00
41055	41253	QPSK	1	49	50	0	2	0	20.80	22.00
41490	41292	QPSK	50	0	1	49	2	0	20.79	22.00

Ant 2 Down Power			DS14							
CA_41C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	20.19	21.50
40185	40383	QPSK	1	99	1	0	2	0	20.03	21.50
40620	40818	QPSK	1	99	1	0	2	0	20.32	21.50
41055	41253	QPSK	1	99	1	0	2	0	20.18	21.50
41490	41292	QPSK	1	0	1	99	2	0	20.16	21.50
39750	39948	QPSK	1	49	50	0	2	0	19.91	21.50
40185	40383	QPSK	1	49	50	0	2	0	19.95	21.50
40620	40818	QPSK	1	49	50	0	2	0	20.21	21.50
41055	41253	QPSK	1	49	50	0	2	0	19.91	21.50
41490	41292	QPSK	50	0	1	49	2	0	20.17	21.50



### 2CA DL Power

Configure	PCC										SCC				Power	
	LTE	Ant	BW (MHz)	UL	UL Channel	Mod.	UL#	UL	LTE	BW (MHz)	DL	DL Channel	Tx. Power (dBm)	Tx. Power (dBm)		
	Band			Freq. (MHz)			RB	Offset	Band		Freq. (MHz)					
CA_2C	Band 2	1	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	23.99	24.18		
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	24.13	24.32		
CA_2A-4A	Band 2	1	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	24.05	24.18		
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	24.16	24.18		
CA_2A-5A	Band 2	1	20M	1880	18900	QPSK	1	0	Band 5	20M	1960	900	23.99	24.16		
	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	24.19	24.35		
CA_2A-7A	Band 2	1	20M	1880	18900	QPSK	1	0	Band 7	10M	881.5	2525	24.00	24.18		
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 7	10M	881.5	2525	24.15	24.32		
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	24.12	24.24		
	Band 5	2	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	24.31	24.46		
CA_2A-7A	Band 2	1	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	24.03	24.18		
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	24.21	24.32		
	Band 7	1	20M	2535	21100	QPSK	1	0	Band 2	20M	1960	900	23.86	23.92		
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 2	20M	1960	900	24.25	24.36		
CA_2A-12A	Band 2	1	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	24.11	24.18		
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	24.21	24.32		
	Band 12	1	10M	707.5	23095	QPSK	1	0	Band 2	20M	1960	900	24.19	24.27		
	Band 12	2	10M	707.5	23095	QPSK	1	0	Band 2	20M	1960	900	24.33	24.53		
CA_2A-66A	Band 2	1	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	24.12	24.18		
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	24.38	24.32		
	Band 66	1	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	24.09	24.20		
	Band 66	2	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	24.27	24.37		
CA_4A-5A	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	24.03	24.16		
	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	24.21	24.35		
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	24.17	24.24		
	Band 5	2	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	24.35	24.46		
CA_4A-7A	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	24.10	24.16		
	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	24.27	24.35		
	Band 7	1	20M	2535	21100	QPSK	1	0	Band 7	20M	2655	3100	23.74	23.92		
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 7	20M	2655	3100	24.19	24.36		
CA_4A-12A	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	24.07	24.16		
	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	24.18	24.35		
	Band 12	1	10M	707.5	23095	QPSK	1	0	Band 4	20M	2132.5	2175	24.17	24.27		
	Band 12	2	10M	707.5	23095	QPSK	1	0	Band 4	20M	2132.5	2175	24.38	24.53		
CA_4A-17A	Band 4	1	10M	1732.5	20175	QPSK	1	0	Band 17	10M	740	5790	24.11	24.16		
	Band 4	2	10M	1732.5	20175	QPSK	1	0	Band 17	10M	740	5790	24.19	24.35		
	Band 17	1	10M	710	23790	QPSK	1	0	Band 4	10M	2132.5	2175	24.12	24.24		
	Band 17	2	10M	710	23790	QPSK	1	0	Band 4	10M	2132.5	2175	24.19	24.43		
CA_5A-7A	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	24.13	24.24		
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	24.27	24.46		
	Band 7	1	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	23.77	23.92		
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	24.19	24.36		
CA_5A-66A	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	24.16	24.24		
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	24.37	24.46		
	Band 66	1	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	24.07	24.20		
	Band 66	2	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	24.26	24.37		
CA_5A-41A	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 41	20M	2598	40670	24.17	24.24		
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 41	20M	2598	40670	24.35	24.46		
	Band 41	1	20M	2598	40670	QPSK	1	0	Band 5	10M	881.5	2525	23.79	23.91		
	Band 41	2	20M	2598	40670	QPSK	1	0	Band 5	10M	881.5	2525	24.21	24.34		
CA_7A-7A	Band 7	1	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	23.73	23.92		
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	24.31	24.36		
CA_7C	Band 7	1	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	23.79	23.92		
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	24.20	24.36		
CA_7A-66A	Band 7	1	20M	2535	21100	QPSK	1	0	Band 66	20M	2155	66886	23.73	23.92		
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 66	20M	2155	66886	24.26	24.36		
	Band 66	1	20M	1745	132322	QPSK	1	0	Band 7	20M	2674.8	3298	24.14	24.20		
	Band 66	2	20M	1745	132322	QPSK	1	0	Band 7	20M	2674.8	3298	24.20	24.37		
CA_12A-66A	Band 12	1	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886	24.16	24.27		
	Band 12	2	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886	24.45	24.53		
	Band 66	1	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	24.12	24.20		
	Band 66	2	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	24.22	24.37		
CA_38C	Band 38	1	20M	2595	38000	QPSK	1	0	Band 38	20M	2617.5	38225	23.74	23.92		
	Band 38	2	20M	2595	38000	QPSK	1	0	Band 38	20M	2617.5	38225	24.18	24.27		
CA_38A-38A	Band 38	1	20M	2595	38000	QPSK	1	0	Band 38	5M	2617.5	38225	23.73	23.92		
	Band 38	2	20M	2595	38000	QPSK	1	0	Band 38	5M	2617.5	38225	24.23	24.27		
	Band 38	2	20M	2595	38000	QPSK	1	0	Band 38	5M	2617.5	38225	21.69	21.82		
CA_41C	Band 41	1	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	23.83	23.91		
	Band 41	2	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	24.23	24.34		
CA_41A-41A	Band 41	1	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	23.84	23.91		
	Band 41	2	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	24.29	24.34		
CA_66A-66A	Band 66	1	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	24.04	24.20		
	Band 66	2	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	24.30	24.37		
CA_66B	Band 66	1	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	23.93	24.02		
	Band 66	2	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	24.10	24.24		
CA_66C	Band 66	1	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	24.08	24.20		
	Band 66	2	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	24.30	24.37		



### Conducted Power for BT/WLAN

2.4GHz WLAN					
Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11b 1Mbps	1	2412	17.14	18.50	100.00
	6	2437	17.09	18.50	
	11	2462	17.12	18.50	
802.11g 6Mbps	1	2412	14.57	16.00	97.46
	6	2437	14.70	16.00	
	11	2462	14.62	16.00	
802.11n-HT20 MCS0	1	2412	13.08	14.50	97.28
	6	2437	13.03	14.50	
	11	2462	13.05	14.50	

5.2GHz WLAN					
Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	36	5180	13.06	14.50	97.46
	40	5200	13.58	15.00	
	44	5220	13.52	15.00	
	48	5240	13.64	15.00	
802.11n-HT20 MCS0	36	5180	13.03	14.50	97.28
	40	5200	13.37	15.00	
	44	5220	13.46	15.00	
802.11n-HT40 MCS0	38	5190	13.13	14.50	94.70
	46	5230	13.29	15.00	
802.11ac-VHT20 MCS0	36	5180	12.95	14.50	97.30
	40	5200	13.36	15.00	
	44	5220	13.20	15.00	
	48	5240	13.14	15.00	
802.11ac-VHT40 MCS0	38	5190	13.03	14.50	94.94
	46	5230	13.25	15.00	
802.11ac-VHT80 MCS0	42	5210	13.47	15.00	90.24

5.3GHz WLAN					
Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	52	5280	13.50	15.00	97.46
	56	5280	13.49	15.00	
	60	5300	13.44	15.00	
	64	5320	13.25	15.00	
802.11n-HT20 MCS0	52	5280	13.31	15.00	97.28
	56	5280	13.29	15.00	
	60	5300	13.35	15.00	
802.11n-HT40 MCS0	54	5270	13.17	15.00	94.70
	62	5310	13.36	15.00	
802.11ac-VHT20 MCS0	52	5280	13.19	15.00	97.30
	56	5280	13.27	15.00	
	60	5300	13.09	15.00	
	64	5320	13.06	15.00	
802.11ac-VHT40 MCS0	54	5270	13.13	15.00	94.94
	62	5310	13.18	15.00	
802.11ac-VHT80 MCS0	58	5290	13.40	15.00	90.24

5.5GHz WLAN					
Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	100	5500	13.13	14.50	97.46
	116	5580	12.88	14.50	
	124	5620	13.19	14.50	
	132	5660	12.97	14.50	
	140	5700	13.09	14.50	
	100	5500	13.21	14.50	
802.11n-HT20 MCS0	116	5580	12.90	14.50	97.28
	124	5620	12.96	14.50	
	132	5660	12.85	14.50	
	140	5700	13.00	14.50	
	102	5510	13.02	14.50	
	110	5550	12.83	14.50	
802.11n-HT40 MCS0	126	5630	12.81	14.50	94.70
	134	5670	12.69	14.50	
	100	5500	12.74	14.50	
	116	5580	12.77	14.50	
	124	5620	12.67	14.50	
	132	5660	12.53	14.00	
802.11ac-VHT20 MCS0	140	5700	12.57	14.00	97.30
	102	5510	13.01	14.50	
	110	5550	12.84	14.50	
	126	5630	12.81	14.50	
	134	5670	12.74	14.50	
	106	5530	12.99	14.50	
802.11ac-VHT40 MCS0	122	5610	12.71	14.50	94.94
	122	5610	12.71	14.50	
802.11ac-VHT80 MCS0	106	5530	12.99	14.50	90.24

5.8GHz WLAN					
Mode	Channel	Frequency (MHz)	Ant 3		
			Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	13.12	14.50	97.46
	157	5785	13.15	14.50	
	165	5825	13.00	14.50	
802.11n-HT20 MCS0	149	5745	12.98	14.50	97.28
	157	5785	13.15	14.50	
	165	5825	13.06	14.50	
802.11n-HT40 MCS0	151	5755	13.16	14.50	94.70
	159	5795	12.94	14.50	
802.11ac-VHT20 MCS0	149	5745	12.67	14.50	97.30
	157	5785	13.03	14.50	
	165	5825	12.60	14.50	
802.11ac-VHT40 MCS0	151	5755	12.71	14.50	94.94
	159	5795	12.81	14.50	
802.11ac-VHT80 MCS0	155	5775	13.00	14.50	90.24

**BT BR/EDR**

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	8.08	6.28	5.82
	CH 39	2441	8.69	6.00	5.98
	CH 78	2480	8.01	5.76	5.55
Tune-up Limit			9.5	7	7

**BLE\_1M**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	-4.50
	CH 19	2440	-2.91
	CH 39	2480	-3.88
Tune-up Limit			0

**BLE\_2M**

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	-4.51
	CH 19	2440	-3.11
	CH 39	2480	-3.73
Tune-up Limit			0.00