

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

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

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

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



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.



Default Power for WWAN

GSM850 Default Ant1									
GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
GSM 1 Tx slot	33.12	33.39	33.20	33.50	24.12	24.39	24.20	24.50	
GPRS 1 Tx slot	33.08	33.37	33.16	33.50	24.08	24.37	24.16	24.50	
GPRS 2 Tx slots	28.58	28.65	28.79	29.50	22.58	22.65	22.79	23.50	
GPRS 3 Tx slots	26.75	27.01	27.15	28.00	22.49	22.75	22.89	23.74	
GPRS 4 Tx slots	25.65	25.72	25.74	27.00	22.65	22.72	22.74	24.00	
EDGE 1 Tx slot	26.48	26.57	26.39	28.00	17.48	17.57	17.39	19.00	
EDGE 2 Tx slots	23.83	23.85	23.64	25.00	17.83	17.85	17.64	19.00	
EDGE 3 Tx slots	22.16	22.27	21.97	23.00	17.90	18.01	17.71	18.74	
EDGE 4 Tx slots	20.84	20.95	20.89	22.50	17.94	17.95	17.89	19.50	

GSM1900 Default Ant1									
GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
GSM 1 Tx slot	30.08	30.01	30.15	30.50	21.08	21.01	21.15	21.50	
GPRS 1 Tx slot	30.06	29.92	30.12	30.50	21.06	20.92	21.12	21.50	
GPRS 2 Tx slots	25.70	25.55	25.75	26.50	19.70	19.55	19.75	20.50	
GPRS 3 Tx slots	23.90	23.76	24.01	25.00	19.64	19.50	19.75	20.74	
GPRS 4 Tx slots	22.68	22.74	22.83	24.00	19.68	19.74	19.83	21.00	
EDGE 1 Tx slot	25.72	25.45	25.69	27.00	16.72	16.45	16.69	18.00	
EDGE 2 Tx slots	23.25	22.97	23.25	23.50	17.25	16.97	17.25	17.50	
EDGE 3 Tx slots	21.76	21.79	21.75	22.00	17.50	17.53	17.49	17.74	
EDGE 4 Tx slots	19.75	19.67	19.78	21.50	16.75	16.67	16.78	18.50	

Band	WCDMA II Default Ant1				WCDMA IV Default Ant1			WCDMA V Default Ant1			Tune-up Limit (dBm)		
	WCDMA II	WCDMA II	WCDMA II	WCDMA II	WCDMA IV	WCDMA IV	WCDMA IV	WCDMA V	WCDMA V	WCDMA V			
TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233		
RX Channel	9562	9600	9638		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	24.11	24.15	24.08	25.50	24.02	24.03	23.98	25.50	24.48	24.51	24.42	25.50
3GPP Rel 99	AMR 12.2Kbps	24.13	24.18	24.15	25.50	24.07	24.08	24.05	25.50	24.51	24.53	24.45	25.50
3GPP Rel 6	HSDPA Subtest-1	23.10	22.95	22.95	24.00	22.75	22.73	22.63	24.00	23.39	23.33	23.37	24.00
3GPP Rel 6	HSDPA Subtest-2	23.09	22.92	22.93	24.00	22.74	22.73	22.64	24.00	23.35	23.35	23.35	24.00
3GPP Rel 6	HSDPA Subtest-3	22.58	22.46	22.44	24.00	22.27	22.18	22.15	24.00	22.86	22.81	22.86	24.00
3GPP Rel 6	HSDPA Subtest-4	22.55	22.46	22.45	24.00	22.29	22.21	22.15	24.00	22.85	22.86	22.86	24.00
3GPP Rel 6	DC-HSDPA Subtest-1	23.07	22.87	22.99	24.00	23.02	22.79	22.86	24.00	23.41	23.22	23.35	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.00	22.94	23.04	24.00	22.94	22.82	22.77	24.00	23.36	23.36	23.25	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.60	22.89	22.77	24.00	22.42	22.42	22.26	24.00	22.80	22.82	22.83	24.00
3GPP Rel 6	DC-HSDPA Subtest-4	22.57	22.55	22.36	24.00	22.56	22.27	22.44	24.00	22.93	22.94	22.79	24.00
3GPP Rel 6	HSUPA Subtest-1	21.44	21.49	21.53	23.00	21.45	21.39	21.50	23.00	22.92	22.94	22.96	23.00
3GPP Rel 6	HSUPA Subtest-2	21.31	21.23	21.33	23.00	21.29	21.19	21.33	23.00	21.26	21.19	21.28	23.00
3GPP Rel 6	HSUPA Subtest-3	21.52	21.34	21.62	23.00	21.41	21.35	21.53	23.00	22.27	22.21	22.27	23.00
3GPP Rel 6	HSUPA Subtest-4	21.36	21.54	21.39	23.00	21.29	21.54	21.35	23.00	21.28	21.27	21.28	23.00
3GPP Rel 6	HSUPA Subtest-5	21.59	21.49	21.55	23.00	21.55	21.44	21.56	23.00	22.90	22.91	22.93	23.00



Band 7 Default Ant1								
BW (MHz)	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)				2310	2335	2360		
20	QPSK	1	0	23.10	23.30	23.38	24	0
20	QPSK	1	49	23.06	23.12	23.04		
20	QPSK	1	99	23.03	23.18	23.14		
20	QPSK	50	0	21.92	22.10	21.96	23	1
20	QPSK	50	24	21.81	21.99	21.86		
20	QPSK	50	50	21.88	22.04	21.93		
20	QPSK	100	0	21.96	22.09	21.98		
20	16QAM	1	0	22.58	22.67	22.56	23	1
20	16QAM	1	49	22.37	22.62	22.31		
20	16QAM	1	99	22.33	22.45	22.28		
20	16QAM	50	0	21.22	21.34	21.24	22	2
20	16QAM	50	24	21.16	21.25	21.21		
20	16QAM	50	50	21.16	21.34	21.26		
20	16QAM	100	0	21.22	21.33	21.24		
20	64QAM	1	0	21.35	21.41	21.43	22	2
20	64QAM	1	49	21.31	21.22	21.09		
20	64QAM	1	99	21.33	21.19	21.11		
20	64QAM	50	0	20.09	20.21	20.12	21	3
20	64QAM	50	24	20.03	20.11	20.05		
20	64QAM	50	50	20.04	20.18	20.16		
20	64QAM	100	0	20.13	20.22	20.13		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.06	23.20	23.08	24	0
15	QPSK	1	37	23.04	23.12	23.24		
15	QPSK	1	74	23.02	23.13	23.02		
15	QPSK	36	0	21.70	22.01	21.87	23	1
15	QPSK	36	20	21.83	21.98	21.82		
15	QPSK	36	39	21.79	22.06	21.85		
15	QPSK	75	0	21.82	21.98	21.81		
15	16QAM	1	0	22.19	22.26	22.25	23	1
15	16QAM	1	37	22.28	22.37	22.21		
15	16QAM	1	74	22.39	22.32	22.22		
15	16QAM	36	0	21.02	21.24	21.19	22	2
15	16QAM	36	20	21.12	21.24	21.16		
15	16QAM	36	39	21.09	21.29	21.17		
15	16QAM	75	0	21.12	21.24	21.15		
15	64QAM	1	0	21.01	21.17	21.03	22	2
15	64QAM	1	37	20.99	21.12	21.16		
15	64QAM	1	74	21.13	21.29	21.17		
15	64QAM	36	0	19.72	19.93	19.86	21	3
15	64QAM	36	20	19.81	19.96	19.83		
15	64QAM	36	39	19.80	20.00	19.85		
15	64QAM	75	0	19.82	19.86	19.85		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.02	23.11	23.01	24	0
10	QPSK	1	25	22.82	22.92	23.00		
10	QPSK	1	49	22.97	23.10	23.04		
10	QPSK	25	0	21.94	21.99	21.99	23	1
10	QPSK	25	12	21.89	22.03	21.99		
10	QPSK	25	25	21.96	22.08	22.00		
10	QPSK	50	0	21.91	22.08	22.03	23	1
10	16QAM	1	0	22.33	22.46	22.31		
10	16QAM	1	25	22.29	22.47	22.22		
10	16QAM	1	49	22.38	22.52	22.29		
10	16QAM	25	0	20.99	20.99	21.00	22	2
10	16QAM	25	12	20.82	20.98	21.06		
10	16QAM	25	25	20.86	20.95	21.06		
10	16QAM	50	0	20.87	21.03	21.02		
10	64QAM	1	0	21.21	21.32	21.28	22	2
10	64QAM	1	25	21.11	21.30	21.22		
10	64QAM	1	49	21.24	21.35	21.28		
10	64QAM	25	0	19.97	19.99	19.95	21	3
10	64QAM	25	12	19.84	20.01	19.99		
10	64QAM	25	25	19.90	20.01	20.00		
10	64QAM	50	0	19.84	19.99	20.01		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.96	23.04	23.06	24	0
5	QPSK	1	12	22.88	22.98	23.02		
5	QPSK	1	24	22.62	22.85	22.88		
5	QPSK	12	0	21.98	22.04	21.98	23	1
5	QPSK	12	7	21.94	22.06	21.99		
5	QPSK	12	13	21.98	22.02	21.99		
5	QPSK	25	0	21.98	22.03	22.04		
5	16QAM	1	0	22.35	22.45	22.40	23	1
5	16QAM	1	12	22.22	22.30	22.19		
5	16QAM	1	24	22.16	22.35	22.35		
5	16QAM	12	0	21.03	21.05	21.07	22	2
5	16QAM	12	7	21.02	21.08	21.05		
5	16QAM	12	13	21.02	21.05	21.02		
5	16QAM	25	0	20.97	21.06	21.00		
5	64QAM	1	0	21.15	21.23	21.18	22	2
5	64QAM	1	12	21.01	21.13	20.95		
5	64QAM	1	24	21.03	21.15	21.07		
5	64QAM	12	0	19.99	20.02	20.04	21	3
5	64QAM	12	7	19.99	20.03	20.03		
5	64QAM	12	13	19.93	19.99	19.99		
5	64QAM	25	0	19.96	20.06	20.01		



GSM850 Default Ant2

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	
	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8	33.50	23.59	23.73	23.82	24.50
GSM 1 Tx slot	32.59	32.73	32.82	33.50	23.59	23.73	23.82	24.50
GPRS 1 Tx slots	32.67	32.75	32.74	33.50	23.67	23.75	23.74	24.50
GPRS 2 Tx slots	29.84	29.00	29.06	29.50	22.84	23.00	23.06	23.50
GPRS 3 Tx slots	27.18	27.11	27.10	28.00	22.92	22.85	22.84	23.74
GPRS 4 Tx slots	25.70	25.83	25.82	27.00	22.70	22.83	22.82	24.00
EDGE 1 Tx slot	26.62	26.59	26.57	28.00	17.62	17.59	17.57	19.00
EDGE 2 Tx slots	23.95	23.92	23.91	25.00	17.95	17.92	17.91	19.00
EDGE 3 Tx slots	22.07	22.06	22.21	23.00	17.81	17.80	17.95	18.74
EDGE 4 Tx slots	20.82	20.95	21.02	22.50	17.82	17.95	18.02	19.50

GSM190 Default Ant2

GSM190 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8	30.50	20.81	21.13	21.18	21.50
GSM 1 Tx slot	29.81	30.13	30.18	30.50	20.81	21.13	21.18	21.50
GPRS 1 Tx slot	29.84	30.20	30.16	30.50	20.84	21.20	21.16	21.50
GPRS 2 Tx slots	25.94	26.13	26.10	25.50	19.94	20.13	20.10	20.50
GPRS 3 Tx slots	24.05	24.15	24.26	25.00	19.79	19.89	20.00	20.74
GPRS 4 Tx slots	22.93	23.11	23.23	24.00	19.93	20.11	20.23	21.00
EDGE 1 Tx slot	25.73	25.86	25.91	27.00	16.73	16.86	16.91	18.00
EDGE 2 Tx slots	23.13	23.28	23.40	23.50	17.13	17.28	17.40	17.50
EDGE 3 Tx slots	21.92	21.97	21.96	22.00	17.66	17.71	17.70	17.74
EDGE 4 Tx slots	20.14	20.28	20.37	21.50	17.14	17.28	17.37	18.50

WCDMA II Default Ant2

WCDMA IV Default Ant2

WCDMA V Default Ant2

Band TX Channel	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		
	9662	9800	9938		1637	1638	1738		4367	4407	4458		
Frequency (MHz)	1852.4	1880	1907.8	1742.4	1752.6	1752.6	326.4	336.4	346.8				
3GPP Rel 99	AMR 12.2Kbps	24.21	24.25	24.17	25.50	24.98	24.16	24.07	25.50	23.95	24.12	24.08	25.50
3GPP Rel 99	RMCC 12.2Kbps	24.26	24.27	24.20	25.50	24.10	24.17	24.09	25.50	23.97	24.13	24.10	25.50
3GPP Rel 6	HSDPA Subtest-1	23.03	23.12	22.92	24.00	23.05	23.07	23.06	24.00	23.14	23.28	23.27	24.00
3GPP Rel 6	HSDPA Subtest-2	23.04	23.08	22.93	24.00	23.06	23.05	23.05	24.00	23.12	23.31	23.20	24.00
3GPP Rel 6	HSDPA Subtest-3	22.89	22.64	22.61	24.00	22.83	22.79	22.83	24.00	22.62	22.81	22.72	24.00
3GPP Rel 6	HSDPA Subtest-4	22.73	22.56	22.61	24.00	22.89	22.75	22.94	24.00	22.59	22.80	22.74	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	23.04	23.11	22.96	24.00	23.02	23.09	23.01	24.00	23.11	23.40	23.37	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.02	22.97	23.02	24.00	23.04	23.04	23.10	24.00	23.20	23.26	23.30	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.85	22.54	22.48	24.00	22.57	22.58	22.68	24.00	22.73	22.90	22.81	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.89	22.63	22.47	24.00	22.76	22.48	22.54	24.00	22.48	22.73	22.71	24.00
3GPP Rel 6	HSUPA Subtest-1	21.73	21.67	21.64	23.00	21.34	21.37	21.38	23.00	21.15	21.26	21.34	23.00
3GPP Rel 6	HSUPA Subtest-2	21.77	21.62	21.65	23.00	21.13	21.08	21.10	23.00	21.27	21.16	21.16	23.00
3GPP Rel 6	HSUPA Subtest-3	22.21	22.13	21.89	23.00	21.62	21.56	21.34	23.00	21.49	21.36	21.31	23.00
3GPP Rel 6	HSUPA Subtest-4	21.77	21.64	21.71	23.00	21.26	21.33	21.38	23.00	21.27	21.20	21.17	23.00
3GPP Rel 6	HSUPA Subtest-5	21.70	21.59	21.57	23.00	21.29	21.25	21.19	23.00	21.17	21.16	21.29	23.00



Band 7 Default Ant2								
BW (MHz)	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)				2310	2335	2360		
20	QPSK	1	0	23.08	23.16	23.13	24	0
20	QPSK	1	49	22.95	23.12	23.09		
20	QPSK	1	99	22.87	22.94	22.91		
20	QPSK	50	0	21.97	22.02	21.94		
20	QPSK	50	24	21.81	21.89	21.88	23	1
20	QPSK	50	50	21.81	21.98	21.92		
20	QPSK	100	0	21.86	21.99	21.97		
20	16QAM	1	0	21.98	22.13	22.06		
20	16QAM	1	49	21.83	21.96	21.84	23	1
20	16QAM	1	99	22.01	22.02	21.98		
20	16QAM	50	0	20.90	21.05	21.03		
20	16QAM	50	24	20.89	21.00	21.02	22	2
20	16QAM	50	50	20.95	21.05	21.09		
20	16QAM	100	0	20.99	21.05	21.05		
20	64QAM	1	0	21.06	20.98	20.96		
20	64QAM	1	49	20.91	20.97	20.84	22	2
20	64QAM	1	99	21.04	20.84	20.89		
20	64QAM	50	0	19.99	20.03	20.02		
20	64QAM	50	24	19.91	19.96	19.96	21	3
20	64QAM	50	50	19.88	20.01	20.02		
20	64QAM	100	0	19.99	20.04	20.04		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	22.79	22.98	22.85	24	0
15	QPSK	1	37	22.87	22.82	22.87		
15	QPSK	1	74	22.79	22.73	22.73		
15	QPSK	36	0	21.84	21.76	21.68	23	1
15	QPSK	36	20	21.53	21.70	21.64		
15	QPSK	36	39	21.50	21.78	21.82		
15	QPSK	75	0	21.66	21.83	21.87		
15	16QAM	1	0	21.76	21.85	21.93	23	1
15	16QAM	1	37	21.72	21.70	21.68		
15	16QAM	1	74	21.77	21.94	21.75		
15	16QAM	36	0	20.62	20.78	20.94	22	2
15	16QAM	36	20	20.74	20.70	20.61		
15	16QAM	36	39	20.73	20.96	20.78		
15	16QAM	75	0	20.82	20.86	20.90		
15	64QAM	1	0	20.80	20.77	20.87	22	2
15	64QAM	1	37	20.67	20.72	20.68		
15	64QAM	1	74	20.81	20.64	20.69		
15	64QAM	36	0	19.88	19.90	19.75	21	3
15	64QAM	36	20	19.83	19.77	19.78		
15	64QAM	36	39	19.96	19.87	19.79		
15	64QAM	75	0	19.84	19.76	19.66		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	22.83	22.87	22.93	24	0
10	QPSK	1	25	22.79	22.80	22.90		
10	QPSK	1	49	22.56	22.66	22.62		
10	QPSK	25	0	21.69	21.85	21.74	23	1
10	QPSK	25	12	21.63	21.68	21.76		
10	QPSK	25	25	21.52	21.75	21.73		
10	QPSK	50	0	21.67	21.87	21.86	23	1
10	16QAM	1	0	21.79	21.83	21.79		
10	16QAM	1	25	21.57	21.72	21.54	23	1
10	16QAM	1	49	21.82	21.86	21.72		
10	16QAM	25	0	20.69	20.94	20.86	22	2
10	16QAM	25	12	20.60	20.91	20.88		
10	16QAM	25	25	20.85	20.77	20.96		
10	16QAM	50	0	20.88	20.86	20.82		
10	64QAM	1	0	20.83	20.77	20.86	22	2
10	64QAM	1	25	20.66	20.66	20.61		
10	64QAM	1	49	20.81	20.84	20.74		
10	64QAM	25	0	19.80	19.83	19.93	21	3
10	64QAM	25	12	19.75	19.80	19.68		
10	64QAM	25	25	19.66	19.77	19.75		
10	64QAM	50	0	19.72	19.74	19.92		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.78	22.83	22.78	24	0
5	QPSK	1	12	22.78	22.77	22.88		
5	QPSK	1	24	22.57	22.70	22.55		
5	QPSK	12	0	21.72	21.84	21.64	23	1
5	QPSK	12	7	21.66	21.71	21.59		
5	QPSK	12	13	21.54	21.81	21.70		
5	QPSK	25	0	21.58	21.65	21.65		
5	16QAM	1	0	21.70	21.97	21.78	23	1
5	16QAM	1	12	21.58	21.76	21.64		
5	16QAM	1	24	21.85	21.69	21.75		
5	16QAM	12	0	20.55	20.74	20.70	22	2
5	16QAM	12	7	20.57	20.80	20.83		
5	16QAM	12	13	20.81	20.85	20.73		
5	16QAM	25	0	20.63	20.68	20.85		
5	64QAM	1	0	20.82	20.83	20.59	22	2
5	64QAM	1	12	20.73	20.66	20.59		
5	64QAM	1	24	20.80	20.64	20.68		
5	64QAM	12	0	19.72	19.88	19.79	21	3
5	64QAM	12	7	19.67	19.67	19.62		
5	64QAM	12	13	19.61	19.82	19.80		
5	64QAM	25	0	19.72	19.71	19.77		



Reduced Power for WWAN

GSM850 DSI 1 Ant1									
GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
GSM 1 Tx slot	33.12	33.39	33.20	33.50	24.12	24.39	24.20	24.50	
GPRS 1 Tx slot	33.08	33.37	33.16	33.50	24.08	24.37	24.16	24.50	
GPRS 2 Tx slots	28.58	28.65	28.79	29.50	22.58	22.65	22.79	23.50	
GPRS 3 Tx slots	26.75	27.01	27.15	28.00	22.49	22.75	22.89	23.74	
GPRS 4 Tx slots	25.65	25.72	25.74	27.00	22.65	22.72	22.74	24.00	
EDGE 1 Tx slot	26.48	26.57	26.39	28.00	17.48	17.57	17.39	19.00	
EDGE 2 Tx slots	23.83	23.85	23.64	25.00	17.83	17.85	17.64	19.00	
EDGE 3 Tx slots	22.16	22.27	21.97	23.00	17.90	18.01	17.71	18.74	
EDGE 4 Tx slots	20.84	20.95	20.89	22.50	17.94	17.95	17.89	19.50	

GSM1900 DSI 1 Ant1									
GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
GSM 1 Tx slot	30.08	30.01	30.15	30.50	21.08	21.01	21.15	21.50	
GPRS 1 Tx slot	30.06	30.13	30.12	30.50	21.06	21.13	21.12	21.50	
GPRS 2 Tx slots	25.70	25.55	25.75	26.50	19.70	19.55	19.75	20.50	
GPRS 3 Tx slots	23.90	23.76	24.01	25.00	19.64	19.50	19.75	20.74	
GPRS 4 Tx slots	22.68	22.74	22.83	24.00	19.68	19.74	19.83	21.00	
EDGE 1 Tx slot	25.72	25.45	25.69	27.00	16.72	16.45	16.69	18.00	
EDGE 2 Tx slots	23.25	22.97	23.25	23.50	17.25	16.97	17.25	17.50	
EDGE 3 Tx slots	21.76	21.79	21.75	22.00	17.50	17.53	17.49	17.74	
EDGE 4 Tx slots	19.75	19.67	19.78	21.50	16.75	16.67	16.78	18.50	

Band	WCDMA II DSI 1 Ant1				WCDMA IV DSI 1 Ant1			WCDMA V DSI 1 Ant1					
	9262	9400	9538	Tune-up Limit (dBm)	1312	1413	1513	Tune-up Limit (dBm)	4132	4182	4233	Tune-up Limit (dBm)	
RX Channel	9562	9600	9638		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	24.11	24.15	24.08	25.50	24.02	24.03	23.98	25.50	24.48	24.51	24.42	25.50
3GPP Rel 99	RMC 12.2Kbps	24.13	24.18	24.15	25.50	24.07	24.08	24.05	25.50	24.51	24.53	24.45	25.50
3GPP Rel 6	HSDPA Subtest-1	23.10	22.95	22.95	24.00	22.75	22.73	22.63	24.00	23.39	23.33	23.37	24.00
3GPP Rel 6	HSDPA Subtest-2	23.09	22.92	22.93	24.00	22.74	22.73	22.64	24.00	23.35	23.35	23.35	24.00
3GPP Rel 6	HSDPA Subtest-3	22.58	22.46	22.44	24.00	22.27	22.18	22.15	24.00	22.86	22.81	22.86	24.00
3GPP Rel 6	HSDPA Subtest-4	22.55	22.46	22.45	24.00	22.29	22.21	22.15	24.00	22.85	22.86	22.86	24.00
3GPP Rel 6	DC-HSDPA Subtest-1	23.07	22.87	22.99	24.00	23.02	22.79	22.86	24.00	23.41	23.22	23.35	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.00	22.94	23.04	24.00	22.94	22.82	22.77	24.00	23.36	23.36	23.25	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.60	22.89	22.77	24.00	22.42	22.42	22.26	24.00	22.80	22.82	22.83	24.00
3GPP Rel 6	DC-HSDPA Subtest-4	22.57	22.55	22.36	24.00	22.56	22.27	22.44	24.00	22.93	22.94	22.79	24.00
3GPP Rel 6	HSUPA Subtest-1	21.44	21.49	21.53	23.00	21.45	21.39	21.50	23.00	22.92	22.94	22.96	23.00
3GPP Rel 6	HSUPA Subtest-2	21.31	21.23	21.33	23.00	21.29	21.19	21.33	23.00	21.26	21.19	21.28	23.00
3GPP Rel 6	HSUPA Subtest-3	21.52	21.34	21.62	23.00	21.41	21.35	21.53	23.00	22.27	22.21	22.27	23.00
3GPP Rel 6	HSUPA Subtest-4	21.36	21.54	21.39	23.00	21.29	21.54	21.35	23.00	21.28	21.27	21.28	23.00
3GPP Rel 6	HSUPA Subtest-5	21.59	21.49	21.55	23.00	21.55	21.44	21.56	23.00	22.90	22.91	22.93	23.00



Band 2 DSI 1 Ant1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes channel frequency details for various modulation schemes and RB sizes.

Band 4 DSI 1 Ant1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes channel frequency details for various modulation schemes and RB sizes.

Band 5 DSI 1 Ant1

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Includes channel frequency details for various modulation schemes and RB sizes.



Band 7 DSI 1 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.19	23.39	23.38	24	0
20	QPSK	1	49	23.06	23.12	23.04		
20	QPSK	1	99	23.03	23.18	23.14		
20	QPSK	50	0	21.92	22.10	21.96	23	1
20	QPSK	50	24	21.81	21.99	21.86		
20	QPSK	50	50	21.88	22.04	21.93		
20	QPSK	100	0	21.96	22.09	21.98		
20	16QAM	1	0	22.58	22.67	22.56	23	1
20	16QAM	1	49	22.37	22.62	22.31		
20	16QAM	1	99	22.33	22.45	22.28		
20	16QAM	50	0	21.22	21.34	21.24	22	2
20	16QAM	50	24	21.16	21.25	21.21		
20	16QAM	50	50	21.16	21.34	21.26		
20	16QAM	100	0	21.22	21.33	21.24		
20	64QAM	1	0	21.35	21.41	21.43	22	2
20	64QAM	1	49	21.31	21.22	21.09		
20	64QAM	1	99	21.33	21.19	21.11		
20	64QAM	50	0	20.09	20.21	20.12	21	3
20	64QAM	50	24	20.03	20.11	20.05		
20	64QAM	50	50	20.04	20.18	20.16		
20	64QAM	100	0	20.13	20.22	20.13		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.06	23.20	23.08	24	0
15	QPSK	1	37	23.04	23.12	23.24		
15	QPSK	1	74	23.02	23.13	23.02		
15	QPSK	36	0	21.70	22.01	21.87	23	1
15	QPSK	36	20	21.83	21.98	21.82		
15	QPSK	36	39	21.79	22.06	21.85		
15	QPSK	75	0	21.82	21.98	21.81	23	1
15	16QAM	1	0	22.19	22.26	22.25	22	2
15	16QAM	1	37	22.28	22.37	22.21		
15	16QAM	1	74	22.39	22.32	22.22		
15	16QAM	36	0	21.02	21.24	21.19	22	2
15	16QAM	36	20	21.12	21.24	21.16		
15	16QAM	36	39	21.09	21.29	21.17		
15	16QAM	75	0	21.12	21.24	21.15	22	2
15	64QAM	1	0	21.01	21.17	21.03	21	3
15	64QAM	1	37	20.99	21.12	21.16		
15	64QAM	1	74	21.13	21.29	21.17		
15	64QAM	36	0	19.72	19.93	19.86	21	3
15	64QAM	36	20	19.81	19.96	19.83		
15	64QAM	36	39	19.80	20.00	19.85		
15	64QAM	75	0	19.82	19.86	19.85		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.02	23.11	23.01	24	0
10	QPSK	1	25	22.82	22.92	23.00		
10	QPSK	1	49	22.97	23.10	23.04		
10	QPSK	25	0	21.94	21.99	21.99	23	1
10	QPSK	25	12	21.89	22.03	21.99		
10	QPSK	25	25	21.96	22.08	22.00		
10	QPSK	50	0	21.91	22.08	22.03	23	1
10	16QAM	1	0	22.33	22.46	22.31		
10	16QAM	1	25	22.29	22.47	22.22	22	2
10	16QAM	1	49	22.38	22.52	22.29		
10	16QAM	25	0	20.99	20.99	21.00	21	3
10	16QAM	25	12	20.82	20.98	21.06		
10	16QAM	25	25	20.86	20.95	21.06		
10	16QAM	50	0	20.87	21.03	21.02	22	2
10	64QAM	1	0	21.21	21.32	21.28		
10	64QAM	1	25	21.11	21.30	21.22		
10	64QAM	1	49	21.24	21.35	21.28		
10	64QAM	25	0	19.97	19.99	19.95	21	3
10	64QAM	25	12	19.84	20.01	19.99		
10	64QAM	25	25	19.90	20.01	20.00		
10	64QAM	50	0	19.84	19.99	20.01		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.96	23.04	23.06	24	0
5	QPSK	1	12	22.88	22.98	23.02		
5	QPSK	1	24	22.82	22.95	22.98		
5	QPSK	12	0	21.98	22.04	21.98	23	1
5	QPSK	12	7	21.94	22.06	21.99		
5	QPSK	12	13	21.98	22.02	21.99		
5	QPSK	25	0	21.98	22.03	22.04	23	1
5	16QAM	1	0	22.35	22.45	22.40	22	2
5	16QAM	1	12	22.22	22.30	22.19		
5	16QAM	1	24	22.16	22.35	22.35		
5	16QAM	12	0	21.03	21.05	21.07	22	2
5	16QAM	12	7	21.02	21.08	21.05		
5	16QAM	12	13	21.02	21.05	21.02		
5	16QAM	25	0	20.97	21.06	21.00	21	3
5	64QAM	1	0	21.15	21.23	21.18	22	2
5	64QAM	1	12	21.01	21.13	20.95		
5	64QAM	1	24	21.03	21.15	21.07		
5	64QAM	12	0	19.99	20.02	20.04	21	3
5	64QAM	12	7	19.99	20.03	20.03		
5	64QAM	12	13	19.93	19.99	19.99		
5	64QAM	25	0	19.96	20.06	20.01		



Band 38 DSI 1 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.95	24.09	23.74	25.5	0	
20	QPSK	1	49	23.89	23.98	23.78			
20	QPSK	1	99	23.95	23.85	23.74			
20	QPSK	50	0	22.89	23.16	22.87			
20	QPSK	50	24	23.03	22.98	22.94			
20	QPSK	50	50	22.96	22.99	22.88	24.5	1	
20	QPSK	100	0	22.99	23.10	22.90			
20	16QAM	1	0	22.95	22.89	22.88			
20	16QAM	1	49	23.11	23.13	22.87	24.5	1	
20	16QAM	1	99	22.95	22.88	22.85			
20	16QAM	50	0	22.03	21.90	21.87			
20	16QAM	50	24	22.08	22.02	21.99			
20	16QAM	50	50	22.04	21.96	21.90	23.5	2	
20	16QAM	100	0	22.07	22.00	21.90			
20	64QAM	1	0	21.76	21.88	21.60			
20	64QAM	1	49	21.73	21.84	21.86	23.5	2	
20	64QAM	1	99	21.81	21.73	21.55			
20	64QAM	50	0	20.92	20.98	20.75			
20	64QAM	50	24	21.01	20.96	20.87			
20	64QAM	50	50	20.92	20.94	20.84	22.5	3	
20	64QAM	100	0	21.08	21.04	20.97			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	24.05	23.96	23.80	25.5	0	
15	QPSK	1	37	23.84	23.88	23.72			
15	QPSK	1	74	23.76	23.72	23.69			
15	QPSK	36	0	23.00	22.89	22.84			
15	QPSK	36	20	23.02	22.97	22.89	24.5	1	
15	QPSK	36	39	23.05	22.99	22.92			
15	QPSK	75	0	23.00	22.95	22.88			
15	16QAM	1	0	22.90	22.86	22.90			
15	16QAM	1	37	23.09	22.94	22.89	24.5	1	
15	16QAM	1	74	23.01	22.79	22.76			
15	16QAM	36	0	22.00	21.84	21.87			
15	16QAM	36	20	22.11	21.96	21.94			
15	16QAM	36	39	22.01	21.93	21.89	23.5	2	
15	16QAM	75	0	22.07	21.99	21.89			
15	64QAM	1	0	21.83	21.72	21.68			
15	64QAM	1	37	22.07	22.03	21.98	23.5	2	
15	64QAM	1	74	21.80	21.74	21.71			
15	64QAM	36	0	21.02	20.94	20.90			
15	64QAM	36	20	21.06	21.01	20.94			
15	64QAM	36	39	21.08	21.06	20.94	22.5	3	
15	64QAM	75	0	21.05	20.96	20.89			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.01	23.97	23.93	25.5	0	
10	QPSK	1	25	23.91	24.06	24.03			
10	QPSK	1	49	24.05	23.94	23.89			
10	QPSK	25	0	22.94	23.07	22.99			
10	QPSK	25	12	23.12	22.86	23.03	24.5	1	
10	QPSK	25	25	23.01	22.91	22.85			
10	QPSK	50	0	22.98	22.79	22.92			
10	16QAM	1	0	23.01	22.93	23.03			
10	16QAM	1	25	23.10	23.25	23.18	24.5	1	
10	16QAM	1	49	23.04	22.88	23.06			
10	16QAM	25	0	22.05	21.79	21.80			
10	16QAM	25	12	22.06	21.84	21.91			
10	16QAM	25	25	21.98	21.90	22.04	23.5	2	
10	16QAM	50	0	22.07	21.79	22.02			
10	64QAM	1	0	21.89	21.78	21.83			
10	64QAM	1	25	21.84	21.67	21.77	23.5	2	
10	64QAM	1	49	21.88	21.65	21.86			
10	64QAM	25	0	20.96	20.90	20.85			
10	64QAM	25	12	20.99	20.69	20.86			
10	64QAM	25	25	21.02	20.91	20.98	22.5	3	
10	64QAM	50	0	21.04	20.92	20.90			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.05	23.98	24.01	25.5	0	
5	QPSK	1	12	23.98	23.90	24.07			
5	QPSK	1	24	23.81	23.91	23.98			
5	QPSK	12	0	22.86	22.81	22.87			
5	QPSK	12	7	22.85	23.09	22.99	24.5	1	
5	QPSK	12	13	23.06	22.85	22.91			
5	QPSK	25	0	22.85	23.02	22.99			
5	16QAM	1	0	23.07	22.86	23.06			
5	16QAM	1	12	23.04	22.93	23.08	24.5	1	
5	16QAM	1	24	22.83	22.84	22.82			
5	16QAM	12	0	22.13	21.86	22.07			
5	16QAM	12	7	22.08	21.95	22.03	23.5	2	
5	16QAM	12	13	22.05	21.91	21.93			
5	16QAM	25	0	22.01	21.93	21.96			
5	64QAM	1	0	21.89	21.73	21.84	23.5	2	
5	64QAM	1	12	21.69	21.86	21.95			
5	64QAM	1	24	21.72	21.76	21.89			
5	64QAM	12	0	21.01	20.77	20.97			
5	64QAM	12	7	21.09	20.85	20.99	22.5	3	
5	64QAM	12	13	20.90	20.95	21.00			
5	64QAM	25	0	21.21	21.10	20.95			

Band 41 DSI 1 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	24.10	24.18	23.99	24.10	25.5	0
20	QPSK	1	49	24.08	24.13	24.11	23.97		
20	QPSK	1	99	24.07	24.01	24.00	23.89		
20	QPSK	50	0	23.27	23.31	23.11	23.26		
20	QPSK	50	24	23.28	23.18	23.12	23.23	24.5	1
20	QPSK	50	50	23.23	23.29	23.24	23.26		
20	QPSK	100	0	23.28	23.35	23.14	23.21		
20	16QAM	1	0	23.33	23.11	23.07	23.11		
20	16QAM	1	49	23.27	23.22	23.18	23.10	24.5	1
20	16QAM	1	99	23.14	23.16	23.04	22.96		
20	16QAM	50	0	22.22	22.17	22.06	22.16		
20	16QAM	50	24	22.24	22.11	22.03	22.11	23.5	2
20	16QAM	50	50	22.23	22.14	22.12	22.15		
20	16QAM	100	0	22.16	22.22	22.07	22.12		
20	64QAM	1	0	21.93	21.97	21.84	21.90		
20	64QAM	1	49	21.94	21.92	21.96	21.89	23.5	2
20	64QAM	1	99	21.97	21.84	21.90	21.81		
20	64QAM	50	0	21.21	21.18	21.09	21.18		
20	64QAM	50	24	21.24	21.13	21.11	21.14	22.5	3
20	64QAM	50	50	21.29	21.19	21.15	21.14		
20	64QAM	100	0	21.40	21.41	21.23	21.28		
Channel				40115	40395	40685	41165		
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	24.08	24.12	23.99	24.10	25.5	0
15	QPSK	1	37	23.98	24.02	23.94	23.84		
15	QPSK	1	74	23.92	23.80	23.89	23.95		
15	QPSK	36	0	23.01	22.97	22.97	22.89		
15	QPSK	36	20	22.94	22.87	22.80	22.85	24.5	1
15	QPSK	36	39	23.05	22.96	22.96	22.89		
15	QPSK	75	0	23.02	23.03	22.85	22.89		
15	16QAM	1	0	23.11	23.13	22.84	23.01	24.5	1
15	16QAM	1	37	23.14	22.89	22.80	22.83		
15	16QAM	1	74	23.05	23.06	22.91	22.85		
15	16QAM	36	0	22.01	21.98	21.84	21.95		
15	16QAM	36	20	21.97	21.91	21.84	21.89	23.5	2
15	16QAM	36	39	21.87	21.80	21.84	21.83		
15	16QAM	75	0	22.04	22.00	21.84	21.92		
15	64QAM	1	0	21.97	21.99	21.83	21.86		
15	64QAM	1	37	21.93	21.84	21.80	21.84	23.5	2
15	64QAM	1	74	21.89	21.86	21.86	21.97		



GSM850_DSI1 Ant2

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	
	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8	33.50	23.59	23.73	23.82	24.50
GSM 1 Tx slot	32.59	32.73	32.82	33.50	23.59	23.73	23.82	24.50
GPRS 1 Tx slots	32.67	32.75	32.74	33.50	23.67	23.75	23.74	24.50
GPRS 2 Tx slots	27.75	27.84	27.79	28.50	21.75	21.84	21.79	22.50
GPRS 3 Tx slots	25.53	25.64	25.66	27.00	21.27	21.38	21.40	22.74
GPRS 4 Tx slots	23.28	23.26	23.33	25.00	20.28	20.26	20.33	22.00
EDGE 1 Tx slot	26.62	26.59	26.57	28.00	17.62	17.59	17.57	19.00
EDGE 2 Tx slots	23.95	23.92	23.91	25.00	17.95	17.92	17.91	19.00
EDGE 3 Tx slots	22.07	22.06	22.21	23.00	17.81	17.80	17.95	18.74
EDGE 4 Tx slots	20.82	20.95	21.02	22.50	17.82	17.95	18.02	19.50

GSM1900 DSI1 Ant2

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	
	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8	26.00	16.49	16.67	16.53	17.00
GSM 1 Tx slot	25.49	25.67	25.53	26.00	16.49	16.67	16.53	17.00
GPRS 1 Tx slot	25.44	25.79	25.77	26.00	16.44	16.79	16.77	17.00
GPRS 2 Tx slots	23.19	23.34	23.28	24.00	17.19	17.34	17.28	18.00
GPRS 3 Tx slots	21.15	21.03	21.23	22.00	16.89	16.77	16.97	17.74
GPRS 4 Tx slots	19.43	19.52	19.86	20.50	16.43	16.52	16.86	17.50
EDGE 1 Tx slot	24.88	24.87	24.90	26.00	15.88	15.87	15.90	17.00
EDGE 2 Tx slots	23.01	22.99	23.23	24.00	17.01	16.99	17.23	18.00
EDGE 3 Tx slots	20.76	20.92	20.74	22.00	16.50	16.66	16.48	17.74
EDGE 4 Tx slots	19.19	19.32	19.55	20.50	16.19	16.32	16.55	17.50

WCDMA II DSI1 Ant2

WCDMA IV DSI1 Ant2

WCDMA V DSI1 Ant2

Band TX Channel	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	
	9662	9800	9938		1637	1638	1738		4367	4407	4458	
Rx Channel	9524	9380	1077.8	1742.4	1752.6	1752.6	826.4	836.4	846.8			
Frequency (MHz)	1524	1518	1511	15.50	15.16	15.35	15.24	16.50	23.11	23.15	23.17	23.50
3GPP Rel 99 AMR 12.2Kbps	15.13	15.18	15.11	16.50	15.16	15.35	15.24	16.50	23.11	23.15	23.17	23.50
3GPP Rel 99 RMC 12.2Kbps	15.28	15.31	15.19	16.50	15.19	15.36	15.19	16.50	23.17	23.20	23.26	23.50
3GPP Rel 6 HSDPA Subtest-1	15.23	15.16	15.04	16.50	15.31	15.22	15.11	16.50	22.93	23.08	23.13	23.50
3GPP Rel 6 HSDPA Subtest-2	15.30	15.18	15.06	16.50	15.30	15.25	15.11	16.50	23.13	23.17	23.01	23.50
3GPP Rel 6 HSDPA Subtest-3	15.04	15.03	15.09	16.50	15.07	15.03	15.19	16.50	22.52	22.61	22.67	23.50
3GPP Rel 6 HSDPA Subtest-4	15.08	15.09	15.11	16.50	15.06	15.11	15.13	16.50	22.52	22.59	22.71	23.50
3GPP Rel 6 DC-HSDPA Subtest-1	15.16	15.06	15.01	16.50	15.09	15.22	15.00	16.50	22.94	23.27	23.22	23.50
3GPP Rel 6 DC-HSDPA Subtest-2	15.25	15.12	15.03	16.50	15.21	15.27	15.06	16.50	23.17	23.26	23.10	23.50
3GPP Rel 6 DC-HSDPA Subtest-3	15.03	15.02	15.05	16.50	15.01	15.04	15.10	16.50	22.63	22.74	22.58	23.50
3GPP Rel 6 DC-HSDPA Subtest-4	15.01	15.07	15.05	16.50	15.09	15.14	15.12	16.50	22.28	22.67	22.55	23.50
3GPP Rel 6 HSUPA Subtest-1	15.10	15.06	15.05	16.50	15.17	15.20	15.13	16.50	21.03	21.30	21.38	23.00
3GPP Rel 6 HSUPA Subtest-2	15.14	15.01	15.09	16.50	15.19	15.11	15.07	16.50	21.32	21.01	21.11	23.00
3GPP Rel 6 HSUPA Subtest-3	15.15	15.14	15.23	16.50	15.16	15.29	15.04	16.50	21.40	21.28	21.27	23.00
3GPP Rel 6 HSUPA Subtest-4	15.06	15.13	15.05	16.50	15.18	15.07	15.15	16.50	21.10	21.22	21.06	23.00
3GPP Rel 6 HSUPA Subtest-5	15.03	15.22	15.16	16.50	15.05	15.08	15.08	16.50	21.18	21.14	21.15	23.00



Band 2 DSI1 Ant2									
BW [MHz]	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	14.89	15.13	15.00			
20	QPSK	1	49	14.79	14.73	14.76	16.5	0	
20	QPSK	1	99	14.87	14.78	14.88			
20	QPSK	50	0	15.08	15.13	14.90			
20	QPSK	50	24	14.90	15.08	14.90	16.5	0	
20	QPSK	50	50	14.92	14.79	14.77			
20	QPSK	100	0	14.88	14.92	14.87			
20	16QAM	1	0	15.11	14.80	14.72			
20	16QAM	1	49	14.73	14.89	14.86	16.5	0	
20	16QAM	1	99	14.71	14.87	14.73			
20	16QAM	50	0	14.85	14.85	14.96			
20	16QAM	50	24	14.70	15.03	14.85	16.5	0	
20	16QAM	50	50	15.05	14.97	14.76			
20	16QAM	100	0	14.88	14.93	14.93			
20	64QAM	1	0	14.99	14.91	14.74			
20	64QAM	1	49	14.71	14.75	14.77	16.5	0	
20	64QAM	1	99	15.03	14.88	14.84			
20	64QAM	50	0	14.77	14.80	14.94			
20	64QAM	50	24	14.85	14.83	14.75	16.5	0	
20	64QAM	50	50	14.75	14.74	14.81			
20	64QAM	100	0	14.75	14.76	14.94			
Channel									
Frequency (MHz)									
15	QPSK	1	0	14.89	15.08	15.05			
15	QPSK	1	37	14.92	14.74	14.79	16.5	0	
15	QPSK	1	74	14.90	14.90	14.95			
15	QPSK	35	0	15.09	15.01	15.04			
15	QPSK	35	20	14.98	15.04	14.79	16.5	0	
15	QPSK	35	39	15.06	14.71	14.88			
15	QPSK	75	0	14.91	15.03	14.78			
15	16QAM	1	0	15.01	14.86	14.69			
15	16QAM	1	37	14.64	14.85	14.78	16.5	0	
15	16QAM	1	74	14.60	14.80	14.67			
15	16QAM	35	0	14.81	14.74	14.96			
15	16QAM	35	20	14.76	14.88	14.85	16.5	0	
15	16QAM	35	39	15.09	14.94	14.88			
15	16QAM	75	0	14.77	14.87	14.92			
15	64QAM	1	0	14.89	14.97	14.86			
15	64QAM	1	37	14.62	14.78	14.87	16.5	0	
15	64QAM	1	74	14.93	14.84	14.76			
15	64QAM	35	0	14.84	14.72	15.08			
15	64QAM	35	20	14.75	14.96	14.81	16.5	0	
15	64QAM	35	39	14.89	14.89	14.86			
15	64QAM	75	0	14.80	14.88	14.96			
Channel									
Frequency (MHz)									
10	QPSK	1	0	14.97	15.09	15.08			
10	QPSK	1	25	14.72	14.72	14.71	16.5	0	
10	QPSK	1	49	14.76	14.71	14.85			
10	QPSK	25	0	15.06	15.02	14.96			
10	QPSK	25	12	14.94	15.06	15.03	16.5	0	
10	QPSK	25	25	14.90	14.76	14.91			
10	QPSK	50	0	14.76	14.98	14.84			
10	16QAM	1	0	15.09	14.95	14.87			
10	16QAM	1	25	14.78	15.02	14.91	16.5	0	
10	16QAM	1	49	14.80	14.85	14.88			
10	16QAM	25	0	14.84	14.88	14.94			
10	16QAM	25	12	14.82	15.00	14.82	16.5	0	
10	16QAM	25	25	15.07	14.84	14.85			
10	16QAM	50	0	14.78	15.00	14.79			
10	64QAM	1	0	14.89	14.95	14.71	16.5	0	
10	64QAM	1	25	14.74	14.89	14.82			
10	64QAM	1	49	15.05	14.85	14.98			
10	64QAM	25	0	14.84	14.76	14.99			
10	64QAM	25	12	14.74	14.87	14.75	16.5	0	
10	64QAM	25	25	14.84	14.87	14.87			
10	64QAM	50	0	14.68	14.80	14.83			
Channel									
Frequency (MHz)									
5	QPSK	1	0	14.99	15.10	14.94			
5	QPSK	1	12	14.86	14.73	14.74	16.5	0	
5	QPSK	1	24	14.73	14.86	14.80			
5	QPSK	12	0	15.08	14.87	14.86			
5	QPSK	12	7	14.70	14.94	14.79	16.5	0	
5	QPSK	12	13	14.85	14.67	14.77			
5	QPSK	25	0	14.64	15.02	14.74			
5	16QAM	1	0	15.02	14.90	14.86			
5	16QAM	1	12	14.65	14.78	14.76	16.5	0	
5	16QAM	1	24	14.72	14.71	14.59			
5	16QAM	12	0	14.77	14.88	14.88			
5	16QAM	12	7	14.85	14.90	14.82	16.5	0	
5	16QAM	12	13	15.00	14.74	14.81			
5	16QAM	25	0	14.79	14.91	14.80			
5	64QAM	1	0	14.88	14.82	14.61			
5	64QAM	1	12	14.72	14.75	14.74	16.5	0	
5	64QAM	1	24	15.02	14.82	14.91			
5	64QAM	12	0	14.86	14.72	15.03			
5	64QAM	12	7	14.73	14.87	14.78	16.5	0	
5	64QAM	12	13	14.64	14.92	14.72			
5	64QAM	25	0	14.66	14.56	14.67			
Channel									
Frequency (MHz)									
3	QPSK	1	0	14.73	15.04	14.88			
3	QPSK	1	8	14.69	14.72	14.66	16.5	0	
3	QPSK	1	14	14.60	14.78	14.69			
3	QPSK	8	0	15.10	14.88	14.81			
3	QPSK	8	4	14.77	14.81	14.95	16.5	0	
3	QPSK	8	7	14.77	14.81	14.80			
3	QPSK	15	0	14.55	15.02	14.97			
3	16QAM	1	0	14.94	14.77	14.87			
3	16QAM	1	8	14.81	15.01	14.77	16.5	0	
3	16QAM	1	14	14.78	14.77	14.65			
3	16QAM	8	0	14.85	14.83	14.92			
3	16QAM	8	4	14.58	14.75	14.85	16.5	0	
3	16QAM	8	7	14.82	14.74	14.58			
3	16QAM	15	0	14.88	14.88	14.89			
3	64QAM	1	0	14.86	14.96	14.85			
3	64QAM	1	8	14.72	14.70	14.75	16.5	0	
3	64QAM	1	14	14.83	14.64	14.84			
3	64QAM	8	0	14.61	14.62	14.98			
3	64QAM	8	4	14.51	14.65	14.52	16.5	0	
3	64QAM	8	7	14.71	14.90	14.88			
3	64QAM	15	0	14.52	14.77	14.73			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	15.02	15.08	15.02			
1.4	QPSK	1	3	14.62	14.70	14.88	16.5	0	
1.4	QPSK	1	5	14.77	14.63	14.84			
1.4	QPSK	3	0	15.11	14.84	14.88			
1.4	QPSK	3	1	14.82	15.00	15.07			
1.4	QPSK	3	3	14.75	14.77	14.96	16.5	0	
1.4	QPSK	6	0	14.62	15.02	14.73			
1.4	16QAM	1	0	14.91	14.72	14.83			
1.4	16QAM	1	3	14.88	14.86	14.86	16.5	0	
1.4	16QAM	1	5	14.76	14.76	14.58			
1.4	16QAM	3	0	14.64	14.63	14.92			
1.4	16QAM	3	1	14.78	14.95	14.70	16.5	0	
1.4	16QAM	3	3	15.05	14.65	14.64			
1.4	16QAM	6	0	14.55	14.80	14.77			
1.4	64QAM	1	0	14.71	14.85	14.67			
1.4	64QAM	1	3	14.66	14.90	14.65	16.5	0	
1.4	64QAM	1	5	15.03	14.88	15.02			
1.4	64QAM	3	0	14.73	14.79	15.03			
1.4	64QAM	3	1	14.71	14.72	14.80	16.5	0	
1.4	64QAM	3	3	14.69	14.85	14.72			
1.4	64QAM	6	0	14.54	14.81	14.78			

Band 4 DSI1 Ant2									
BW [MHz]	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	14.17	15.03	15.02			
20	QPSK	1	49	14.91	15.01	14.75	16.5	0	
20	QPSK	1	99	14.79	14.80	14.70			
20	QPSK	50	0	14.92	15.02	14.92			
20	QPSK	50	24	14.93	14.61	14.69	16.5	0	
20	QPSK								



Band 7 Default Ant2								
BW (MHz)	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	17.61	17.64	17.60		
20	QPSK	1	49	17.54	17.59	17.58	18	0
20	QPSK	1	99	17.54	17.55	17.53		
20	QPSK	50	0	17.44	17.47	17.44		
20	QPSK	50	24	17.43	17.45	17.41	18	0
20	QPSK	50	50	17.37	17.41	17.36		
20	QPSK	100	0	17.34	17.38	17.35		
20	16QAM	1	0	17.50	17.54	17.49		
20	16QAM	1	49	17.44	17.48	17.45	18	0
20	16QAM	1	99	17.39	17.43	17.38		
20	16QAM	50	0	17.38	17.43	17.38		
20	16QAM	50	24	17.39	17.41	17.38	18	0
20	16QAM	50	50	17.35	17.39	17.36		
20	16QAM	100	0	17.34	17.36	17.34		
20	64QAM	1	0	17.59	17.61	17.57		
20	64QAM	1	49	17.52	17.57	17.53	18	0
20	64QAM	1	99	17.49	17.52	17.48		
20	64QAM	50	0	17.36	17.39	17.35		
20	64QAM	50	24	17.32	17.35	17.33	18	0
20	64QAM	50	50	17.25	17.27	17.25		
20	64QAM	100	0	17.14	17.17	17.16		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	17.59	17.60	17.56		
15	QPSK	1	37	17.51	17.57	17.53	18	0
15	QPSK	1	74	17.51	17.54	17.51		
15	QPSK	36	0	17.40	17.43	17.38		
15	QPSK	36	20	17.41	17.43	17.37	18	0
15	QPSK	36	39	17.38	17.40	17.32		
15	QPSK	75	0	17.32	17.35	17.33		
15	16QAM	1	0	17.46	17.50	17.45		
15	16QAM	1	37	17.43	17.47	17.41	18	0
15	16QAM	1	74	17.35	17.42	17.34		
15	16QAM	36	0	17.36	17.42	17.35		
15	16QAM	36	20	17.36	17.39	17.34	18	0
15	16QAM	36	39	17.31	17.37	17.32		
15	16QAM	75	0	17.32	17.33	17.29		
15	64QAM	1	0	17.54	17.58	17.55		
15	64QAM	1	37	17.48	17.52	17.51	18	0
15	64QAM	1	74	17.47	17.49	17.47		
15	64QAM	36	0	17.34	17.35	17.33		
15	64QAM	36	20	17.30	17.33	17.29	18	0
15	64QAM	36	39	17.21	17.24	17.21		
15	64QAM	75	0	17.09	17.13	17.12		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	17.56	17.56	17.54		
10	QPSK	1	25	17.48	17.52	17.51	18	0
10	QPSK	1	49	17.47	17.52	17.47		
10	QPSK	25	0	17.38	17.39	17.36		
10	QPSK	25	12	17.38	17.42	17.32	18	0
10	QPSK	25	25	17.35	17.35	17.27		
10	QPSK	50	0	17.29	17.31	17.28		
10	16QAM	1	0	17.42	17.46	17.42		
10	16QAM	1	25	17.39	17.43	17.36	18	0
10	16QAM	1	49	17.31	17.40	17.32		
10	16QAM	25	0	17.33	17.40	17.32		
10	16QAM	25	12	17.34	17.34	17.32	18	0
10	16QAM	25	25	17.29	17.35	17.29		
10	16QAM	50	0	17.27	17.31	17.25		
10	64QAM	1	0	17.53	17.53	17.53		
10	64QAM	1	25	17.47	17.50	17.47	18	0
10	64QAM	1	49	17.45	17.45	17.44		
10	64QAM	25	0	17.30	17.30	17.31		
10	64QAM	25	12	17.27	17.29	17.24	18	0
10	64QAM	25	25	17.16	17.19	17.19		
10	64QAM	50	0	17.08	17.11	17.08		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	17.54	17.55	17.52		
5	QPSK	1	12	17.43	17.50	17.49	18	0
5	QPSK	1	24	17.44	17.51	17.43		
5	QPSK	12	0	17.35	17.35	17.32		
5	QPSK	12	7	17.34	17.39	17.30	18	0
5	QPSK	12	13	17.33	17.31	17.23		
5	QPSK	25	0	17.24	17.28	17.25		
5	16QAM	1	0	17.38	17.45	17.41		
5	16QAM	1	12	17.36	17.39	17.34	18	0
5	16QAM	1	24	17.28	17.38	17.29		
5	16QAM	12	0	17.31	17.36	17.29		
5	16QAM	12	7	17.32	17.30	17.28	18	0
5	16QAM	12	13	17.25	17.33	17.24		
5	16QAM	25	0	17.24	17.28	17.20		
5	64QAM	1	0	17.52	17.50	17.49		
5	64QAM	1	12	17.45	17.49	17.43	18	0
5	64QAM	1	24	17.43	17.42	17.42		
5	64QAM	12	0	17.25	17.25	17.30		
5	64QAM	12	7	17.25	17.29	17.19	18	0
5	64QAM	12	13	17.13	17.15	17.16		
5	64QAM	25	0	17.05	17.06	17.06		



GSM850 DSI 2 Ant1

GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.12	33.39	33.20	33.50	24.12	24.39	24.20	24.50
GPRS 1 Tx slot	33.08	33.37	33.16	33.50	24.08	24.37	24.16	24.50
GPRS 2 Tx slots	28.58	28.65	28.79	29.50	22.58	22.65	22.79	23.50
GPRS 3 Tx slots	26.75	27.01	27.15	28.00	22.49	22.75	22.89	23.74
GPRS 4 Tx slots	25.65	25.72	25.74	27.00	22.65	22.72	22.74	24.00
EDGE 1 Tx slot	26.48	26.57	26.39	28.00	17.48	17.57	17.39	19.00
EDGE 2 Tx slots	23.83	23.85	23.64	25.00	17.83	17.85	17.64	19.00
EDGE 3 Tx slots	22.16	22.27	21.97	23.00	17.90	18.01	17.71	18.74
EDGE 4 Tx slots	20.94	20.95	20.89	22.50	17.94	17.95	17.89	19.50

GSM1900 DSI 2 Ant1

GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.08	30.01	30.15	30.50	21.08	21.01	21.15	21.50
GPRS 1 Tx slot	29.84	30.02	29.88	30.50	20.84	21.02	20.86	21.50
GPRS 2 Tx slots	25.70	25.55	25.75	25.50	19.70	19.55	19.75	20.50
GPRS 3 Tx slots	23.90	23.78	24.01	25.00	19.64	19.50	19.75	20.74
GPRS 4 Tx slots	22.68	22.74	22.83	24.00	19.68	19.74	19.83	21.00
EDGE 1 Tx slot	25.72	25.45	25.69	27.00	16.72	16.45	16.69	18.00
EDGE 2 Tx slots	23.25	22.97	23.25	23.50	17.25	16.97	17.25	17.50
EDGE 3 Tx slots	21.76	21.79	21.75	22.00	17.50	17.53	17.49	17.74
EDGE 4 Tx slots	19.75	19.67	19.78	21.50	16.75	16.67	16.78	18.50

WCDMA II DSI 2 Ant1

WCDMA IV DSI 2 Ant1

WCDMA V DSI 2 Ant1

Band TX Channel Rx Channel Frequency (MHz)	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		
	9662	9800	9938		1637	1638	1738		4367	4407	4458		
3GPP Rel 99	1832.4	1836	1977.8	1742.4	1752.8	1752.5	826.4	836.4	846.8				
3GPP Rel 99	AMR 12.2Kbps	24.11	24.15	24.08	25.50	24.02	24.03	23.99	25.50	24.48	24.51	24.42	25.50
3GPP Rel 99	RMTC 12.2Kbps	24.13	24.18	24.15	25.50	24.07	24.08	24.05	25.50	24.51	24.53	24.45	25.50
3GPP Rel 6	HSDPA Subtest-1	23.10	22.95	22.95	24.00	22.75	22.73	22.63	24.00	23.39	23.33	23.37	24.00
3GPP Rel 6	HSDPA Subtest-2	23.09	22.92	22.93	24.00	22.74	22.73	22.64	24.00	23.35	23.35	23.35	24.00
3GPP Rel 6	HSDPA Subtest-3	22.58	22.46	22.44	24.00	22.27	22.18	22.15	24.00	22.86	22.81	22.86	24.00
3GPP Rel 6	HSDPA Subtest-4	22.55	22.46	22.45	24.00	22.29	22.21	22.15	24.00	22.85	22.86	22.88	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	23.07	22.87	22.99	24.00	23.02	22.79	22.86	24.00	23.41	23.22	23.35	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.00	22.94	23.04	24.00	22.94	22.82	22.77	24.00	23.36	23.36	23.25	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.80	22.80	22.77	24.00	22.42	22.42	22.26	24.00	22.80	22.82	22.83	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.57	22.55	22.36	24.00	22.56	22.27	22.44	24.00	22.93	22.94	22.79	24.00
3GPP Rel 6	HSUPA Subtest-1	21.44	21.49	21.53	23.00	21.45	21.39	21.50	23.00	22.92	22.94	22.96	23.00
3GPP Rel 6	HSUPA Subtest-2	21.31	21.23	21.33	23.00	21.29	21.19	21.33	23.00	21.26	21.19	21.28	23.00
3GPP Rel 6	HSUPA Subtest-3	21.52	21.34	21.62	23.00	21.41	21.35	21.53	23.00	22.27	22.21	22.27	23.00
3GPP Rel 6	HSUPA Subtest-4	21.36	21.54	21.39	23.00	21.29	21.54	21.35	23.00	21.28	21.27	21.28	23.00
3GPP Rel 6	HSUPA Subtest-5	21.39	21.49	21.55	23.00	21.55	21.44	21.58	23.00	22.90	22.91	22.93	23.00



Band 7 DSI 2 Ant1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.19	23.39	23.38	24	0
20	QPSK	1	49	23.06	23.12	23.04		
20	QPSK	1	99	23.03	23.18	23.14		
20	QPSK	50	0	21.92	22.10	21.96	23	1
20	QPSK	50	24	21.81	21.99	21.86		
20	QPSK	50	50	21.88	22.04	21.93		
20	QPSK	100	0	21.96	22.09	21.98		
20	16QAM	1	0	22.58	22.67	22.56	23	1
20	16QAM	1	49	22.37	22.62	22.31		
20	16QAM	1	99	22.33	22.45	22.28		
20	16QAM	50	0	21.22	21.34	21.24	22	2
20	16QAM	50	24	21.16	21.25	21.21		
20	16QAM	50	50	21.16	21.34	21.26		
20	16QAM	100	0	21.22	21.33	21.24		
20	64QAM	1	0	21.35	21.41	21.43	22	2
20	64QAM	1	49	21.31	21.22	21.09		
20	64QAM	1	99	21.33	21.19	21.11		
20	64QAM	50	0	20.09	20.21	20.12	21	3
20	64QAM	50	24	20.03	20.11	20.05		
20	64QAM	50	50	20.04	20.18	20.16		
20	64QAM	100	0	20.13	20.22	20.13		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.06	23.20	23.08	24	0
15	QPSK	1	37	23.04	23.12	23.24		
15	QPSK	1	74	23.02	23.13	23.02		
15	QPSK	36	0	21.70	22.01	21.87	23	1
15	QPSK	36	20	21.83	21.98	21.82		
15	QPSK	36	39	21.79	22.06	21.85		
15	QPSK	75	0	21.82	21.98	21.81		
15	16QAM	1	0	22.19	22.26	22.25	23	1
15	16QAM	1	37	22.28	22.37	22.21		
15	16QAM	1	74	22.39	22.32	22.22		
15	16QAM	36	0	21.02	21.24	21.19	22	2
15	16QAM	36	20	21.12	21.24	21.16		
15	16QAM	36	39	21.09	21.29	21.17		
15	16QAM	75	0	21.12	21.24	21.15		
15	64QAM	1	0	21.01	21.17	21.03	22	2
15	64QAM	1	37	20.99	21.12	21.16		
15	64QAM	1	74	21.13	21.29	21.17		
15	64QAM	36	0	19.72	19.93	19.86	21	3
15	64QAM	36	20	19.81	19.96	19.83		
15	64QAM	36	39	19.80	20.00	19.85		
15	64QAM	75	0	19.82	19.86	19.85		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.02	23.11	23.01	24	0
10	QPSK	1	25	22.82	22.92	23.00		
10	QPSK	1	49	22.97	23.10	23.04		
10	QPSK	25	0	21.94	21.99	21.99	23	1
10	QPSK	25	12	21.89	22.03	21.99		
10	QPSK	25	25	21.96	22.08	22.00		
10	QPSK	50	0	21.91	22.08	22.03	23	1
10	16QAM	1	0	22.33	22.46	22.31		
10	16QAM	1	25	22.29	22.47	22.22		
10	16QAM	1	49	22.38	22.52	22.29		
10	16QAM	25	0	20.99	20.99	21.00	22	2
10	16QAM	25	12	20.82	20.98	21.06		
10	16QAM	25	25	20.86	20.95	21.06		
10	16QAM	50	0	20.87	21.03	21.02	22	2
10	64QAM	1	0	21.21	21.32	21.28		
10	64QAM	1	25	21.11	21.30	21.22		
10	64QAM	1	49	21.24	21.35	21.28		
10	64QAM	25	0	19.97	19.99	19.95	21	3
10	64QAM	25	12	19.84	20.01	19.99		
10	64QAM	25	25	19.90	20.01	20.00		
10	64QAM	50	0	19.84	19.99	20.01		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.96	23.04	23.06	24	0
5	QPSK	1	12	22.88	22.98	23.02		
5	QPSK	1	24	22.62	22.85	22.88		
5	QPSK	12	0	21.98	22.04	21.98	23	1
5	QPSK	12	7	21.94	22.06	21.99		
5	QPSK	12	13	21.98	22.02	21.99		
5	QPSK	25	0	21.98	22.03	22.04		
5	16QAM	1	0	22.35	22.45	22.40	23	1
5	16QAM	1	12	22.22	22.30	22.19		
5	16QAM	1	24	22.16	22.35	22.35		
5	16QAM	12	0	21.03	21.05	21.07	22	2
5	16QAM	12	7	21.02	21.08	21.05		
5	16QAM	12	13	21.02	21.05	21.02		
5	16QAM	25	0	20.97	21.06	21.00		
5	64QAM	1	0	21.15	21.23	21.18	22	2
5	64QAM	1	12	21.01	21.13	20.95		
5	64QAM	1	24	21.03	21.15	21.07		
5	64QAM	12	0	19.99	20.02	20.04	21	3
5	64QAM	12	7	19.99	20.03	20.03		
5	64QAM	12	13	19.93	19.99	19.99		
5	64QAM	25	0	19.96	20.06	20.01		



GSM850 DSI 2 Ant2

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	
	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8	33.50	23.59	23.73	23.82	24.50
GSM 1 Tx slot	32.59	32.73	32.82	33.50	23.59	23.73	23.82	24.50
GPRS 1 Tx slots	32.67	32.75	32.74	33.50	23.67	23.75	23.74	24.50
GPRS 2 Tx slots	29.84	29.00	29.06	30.50	22.84	23.00	23.06	23.50
GPRS 3 Tx slots	27.18	27.11	27.10	28.00	22.92	22.85	22.84	23.74
GPRS 4 Tx slots	25.70	25.83	25.82	27.00	22.70	22.83	22.82	24.00
EDGE 1 Tx slot	26.62	26.59	26.57	28.00	17.62	17.59	17.57	19.00
EDGE 2 Tx slots	23.95	23.92	23.91	25.00	17.95	17.92	17.91	19.00
EDGE 3 Tx slots	22.07	22.06	22.21	23.00	17.81	17.80	17.95	18.74
EDGE 4 Tx slots	20.82	20.95	21.02	22.50	17.82	17.95	18.02	19.50

GSM190 DSI 2 Ant2

GSM190 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8	30.50	20.81	21.13	21.18	21.50
GSM 1 Tx slot	29.81	30.13	30.18	30.50	20.81	21.13	21.18	21.50
GPRS 1 Tx slots	29.84	30.02	29.86	30.50	20.84	21.02	20.86	21.50
GPRS 2 Tx slots	25.94	26.13	26.10	25.50	19.94	20.13	20.10	20.50
GPRS 3 Tx slots	24.05	24.15	24.26	25.00	19.79	19.89	20.00	20.74
GPRS 4 Tx slots	22.93	23.11	23.23	24.00	19.93	20.11	20.23	21.00
EDGE 1 Tx slot	25.73	25.86	25.91	27.00	16.73	16.86	16.91	18.00
EDGE 2 Tx slots	23.13	23.28	23.40	23.50	17.13	17.28	17.40	17.50
EDGE 3 Tx slots	21.92	21.97	21.96	22.00	17.66	17.71	17.70	17.74
EDGE 4 Tx slots	20.14	20.28	20.37	21.50	17.14	17.28	17.37	18.50

WCDMA II DSI 2 Ant2

WCDMA IV DSI 2 Ant2

WCDMA V DSI 2 Ant2

Band TX Channel	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		
	9662	9800	9938		1637	1638	1738		4367	4407	4458		
Frequency (MHz)	1852.4	1850	1907.8	1742.4	1742.6	1752.5	326.4	336.4	346.8				
3GPP Rel 99	AMR 12.2Kbps	23.07	23.17	23.08	23.50	23.06	23.09	23.08	23.50	23.95	24.12	24.08	25.50
3GPP Rel 99	RM-C 12.2Kbps	23.09	23.18	23.11	23.50	23.08	23.11	23.09	23.50	23.97	24.13	24.10	25.50
3GPP Rel 6	HSDPA Subtest-1	23.03	23.12	22.92	23.50	23.05	23.07	23.06	24.00	23.14	23.28	23.27	24.00
3GPP Rel 6	HSDPA Subtest-2	23.04	23.08	22.93	23.50	23.06	23.05	23.05	24.00	23.12	23.31	23.20	24.00
3GPP Rel 6	HSDPA Subtest-3	22.89	22.64	22.61	23.50	22.83	22.79	22.83	24.00	22.62	22.81	22.72	24.00
3GPP Rel 6	HSDPA Subtest-4	22.73	22.56	22.61	23.50	22.89	22.75	22.94	24.00	22.59	22.80	22.74	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	23.04	23.11	22.96	23.50	23.02	23.09	23.01	24.00	23.11	23.40	23.37	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.02	22.97	23.02	23.50	23.04	23.04	23.10	24.00	23.30	23.26	23.30	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.85	22.54	22.48	23.50	22.57	22.58	22.68	24.00	22.73	22.90	22.81	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.89	22.63	22.47	23.50	22.76	22.48	22.54	24.00	22.48	22.73	22.71	24.00
3GPP Rel 6	HSUPA Subtest-1	21.73	21.67	21.64	23.00	21.34	21.37	21.38	23.00	21.15	21.26	21.34	23.00
3GPP Rel 6	HSUPA Subtest-2	21.77	21.62	21.65	23.00	21.13	21.08	21.10	23.00	21.27	21.16	21.16	23.00
3GPP Rel 6	HSUPA Subtest-3	22.21	22.13	21.89	23.00	21.62	21.56	21.34	23.00	21.49	21.36	21.31	23.00
3GPP Rel 6	HSUPA Subtest-4	21.77	21.64	21.71	23.00	21.26	21.33	21.38	23.00	21.27	21.20	21.17	23.00
3GPP Rel 6	HSUPA Subtest-5	21.70	21.59	21.57	23.00	21.29	21.25	21.19	23.00	21.17	21.16	21.29	23.00



Band 7 DSI 2 Ant2								
BW (MHz)	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)				2310	2335	2360		
20	QPSK	1	0	23.08	23.16	23.13	24	0
20	QPSK	1	49	22.95	23.12	23.09		
20	QPSK	1	99	22.87	22.94	22.91		
20	QPSK	50	0	21.97	22.02	21.94		
20	QPSK	50	24	21.81	21.89	21.88	23	1
20	QPSK	50	50	21.81	21.98	21.92		
20	QPSK	100	0	21.86	21.99	21.97		
20	16QAM	1	0	21.98	22.13	22.06		
20	16QAM	1	49	21.83	21.96	21.84	23	1
20	16QAM	1	99	22.01	22.02	21.98		
20	16QAM	50	0	20.90	21.05	21.03		
20	16QAM	50	24	20.89	21.00	21.02	22	2
20	16QAM	50	50	20.95	21.05	21.09		
20	16QAM	100	0	20.99	21.05	21.05		
20	64QAM	1	0	21.06	20.98	20.96		
20	64QAM	1	49	20.91	20.97	20.84	22	2
20	64QAM	1	99	21.04	20.84	20.89		
20	64QAM	50	0	19.99	20.03	20.02		
20	64QAM	50	24	19.91	19.96	19.96	21	3
20	64QAM	50	50	19.88	20.01	20.02		
20	64QAM	100	0	19.99	20.04	20.04		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	22.79	22.98	22.85	24	0
15	QPSK	1	37	22.87	22.82	22.87		
15	QPSK	1	74	22.79	22.73	22.73		
15	QPSK	36	0	21.84	21.76	21.68	23	1
15	QPSK	36	20	21.53	21.70	21.64		
15	QPSK	36	39	21.50	21.78	21.82		
15	QPSK	75	0	21.66	21.83	21.87		
15	16QAM	1	0	21.76	21.85	21.93	23	1
15	16QAM	1	37	21.72	21.70	21.68		
15	16QAM	1	74	21.77	21.94	21.75		
15	16QAM	36	0	20.62	20.78	20.94	22	2
15	16QAM	36	20	20.74	20.70	20.61		
15	16QAM	36	39	20.73	20.96	20.78		
15	16QAM	75	0	20.82	20.86	20.90		
15	64QAM	1	0	20.80	20.77	20.87	22	2
15	64QAM	1	37	20.67	20.72	20.68		
15	64QAM	1	74	20.81	20.64	20.69		
15	64QAM	36	0	19.88	19.90	19.75	21	3
15	64QAM	36	20	19.83	19.77	19.78		
15	64QAM	36	39	19.96	19.87	19.79		
15	64QAM	75	0	19.84	19.76	19.66		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	22.83	22.87	22.93	24	0
10	QPSK	1	25	22.79	22.80	22.90		
10	QPSK	1	49	22.56	22.66	22.62		
10	QPSK	25	0	21.69	21.85	21.74	23	1
10	QPSK	25	12	21.63	21.68	21.76		
10	QPSK	25	25	21.52	21.75	21.73		
10	QPSK	50	0	21.67	21.87	21.86	23	1
10	16QAM	1	0	21.79	21.83	21.79		
10	16QAM	1	25	21.57	21.72	21.54	23	1
10	16QAM	1	49	21.82	21.86	21.72		
10	16QAM	25	0	20.69	20.94	20.86	22	2
10	16QAM	25	12	20.60	20.91	20.88		
10	16QAM	25	25	20.85	20.77	20.96		
10	16QAM	50	0	20.88	20.86	20.82		
10	64QAM	1	0	20.83	20.77	20.86	22	2
10	64QAM	1	25	20.66	20.66	20.61		
10	64QAM	1	49	20.81	20.84	20.74		
10	64QAM	25	0	19.80	19.83	19.93	21	3
10	64QAM	25	12	19.75	19.80	19.68		
10	64QAM	25	25	19.66	19.77	19.75		
10	64QAM	50	0	19.72	19.74	19.92		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.78	22.83	22.78	24	0
5	QPSK	1	12	22.78	22.77	22.88		
5	QPSK	1	24	22.57	22.70	22.55		
5	QPSK	12	0	21.72	21.84	21.64	23	1
5	QPSK	12	7	21.66	21.71	21.59		
5	QPSK	12	13	21.54	21.81	21.70		
5	QPSK	25	0	21.58	21.65	21.65		
5	16QAM	1	0	21.70	21.97	21.78	23	1
5	16QAM	1	12	21.58	21.76	21.64		
5	16QAM	1	24	21.85	21.69	21.75		
5	16QAM	12	0	20.55	20.74	20.70	22	2
5	16QAM	12	7	20.57	20.80	20.83		
5	16QAM	12	13	20.81	20.85	20.73		
5	16QAM	25	0	20.63	20.68	20.85		
5	64QAM	1	0	20.82	20.83	20.59	22	2
5	64QAM	1	12	20.73	20.66	20.59		
5	64QAM	1	24	20.80	20.64	20.68		
5	64QAM	12	0	19.72	19.88	19.79	21	3
5	64QAM	12	7	19.67	19.67	19.62		
5	64QAM	12	13	19.61	19.82	19.80		
5	64QAM	25	0	19.72	19.71	19.77		



GSM850 DS14 Ant1

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	
	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	33.12	33.39	33.20	33.50	24.12	24.39	24.20	24.50
GSM 1 Tx slot	33.08	33.37	33.16	33.50	24.08	24.37	24.16	24.50
GPRS 1 Tx slots	26.58	26.65	26.79	29.50	22.58	22.65	22.79	23.50
GPRS 2 Tx slots	26.75	27.01	27.15	28.00	22.49	22.75	22.89	23.74
GPRS 3 Tx slots	25.65	25.72	25.74	27.00	22.65	22.72	22.74	24.00
GPRS 4 Tx slots	26.48	26.57	26.39	28.00	17.48	17.57	17.39	19.00
EDGE 1 Tx slot	23.83	23.85	23.64	25.00	17.83	17.85	17.64	19.00
EDGE 2 Tx slots	22.16	22.27	21.97	23.00	17.90	18.01	17.71	18.74
EDGE 3 Tx slots	20.94	20.95	20.89	22.50	17.94	17.95	17.89	19.50

GSM1900 DS14 Ant1

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	
	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	26.63	26.74	26.87	28.00	17.63	17.74	17.87	19.00
GSM 1 Tx slot	26.53	26.84	26.47	28.00	17.53	17.84	17.47	19.00
GPRS 1 Tx slots	23.51	23.62	23.56	25.00	17.51	17.62	17.55	19.00
GPRS 2 Tx slots	21.59	21.65	21.97	23.00	17.33	17.39	17.71	18.74
GPRS 3 Tx slots	20.12	20.28	20.30	21.50	17.12	17.28	17.30	18.50
GPRS 4 Tx slots	25.02	25.14	25.30	26.50	16.02	16.14	16.30	17.50
EDGE 1 Tx slot	22.69	22.80	22.96	24.00	16.69	16.80	16.96	18.00
EDGE 2 Tx slots	21.35	21.44	21.47	23.00	17.09	17.18	17.21	18.74
EDGE 3 Tx slots	19.80	19.81	20.06	21.30	16.80	16.81	17.06	18.30

WCDMA II DS14 Ant1

WCDMA IV DS14 Ant1

WCDMA V DS14 Ant1

Band TX Channel	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		
	9662	9800	9938		1637	1638	1738		4367	4407	4458		
Frequency (MHz)	1832.4	1836	1907.8	1742.4	1752.6	1752.6	826.4	836.4	846.8				
3GPP Rel 99	AMR 12.2Kbps	20.17	20.03	20.01	21.50	19.89	20.04	20.12	21.50	24.48	24.51	24.42	25.50
3GPP Rel 99	RMC 12.2Kbps	20.04	20.21	19.97	21.50	20.02	20.23	20.09	21.50	24.51	24.53	24.45	25.50
3GPP Rel 6	HSDPA Subtest-1	20.19	20.14	20.16	21.50	20.16	20.11	20.16	21.50	23.39	23.33	23.37	24.00
3GPP Rel 6	HSDPA Subtest-2	20.12	20.16	20.09	21.50	20.22	20.18	20.20	21.50	23.35	23.35	23.35	24.00
3GPP Rel 6	HSDPA Subtest-3	20.19	20.01	19.83	21.50	19.82	19.71	19.61	21.50	22.86	22.81	22.86	24.00
3GPP Rel 6	HSDPA Subtest-4	20.05	19.89	19.86	21.50	19.79	19.71	19.70	21.50	22.85	22.86	22.88	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	20.11	20.17	20.18	21.50	20.14	20.10	20.17	21.50	23.41	23.22	23.35	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.10	20.13	20.05	21.50	20.17	20.09	20.15	21.50	23.36	23.36	23.25	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.20	20.06	19.81	21.50	19.81	19.65	19.57	21.50	22.80	22.82	22.83	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	20.09	19.93	19.86	21.50	19.72	19.69	19.67	21.50	22.93	22.94	22.79	24.00
3GPP Rel 6	HSUPA Subtest-1	19.94	19.99	20.03	21.50	19.95	19.89	20.00	21.50	22.92	22.94	22.96	23.00
3GPP Rel 6	HSUPA Subtest-2	19.81	19.73	19.83	21.50	19.79	19.69	19.83	21.50	21.26	21.19	21.28	23.00
3GPP Rel 6	HSUPA Subtest-3	20.02	19.84	20.12	21.50	19.91	19.85	20.03	21.50	22.27	22.21	22.27	23.00
3GPP Rel 6	HSUPA Subtest-4	19.86	20.04	19.89	21.50	19.79	20.04	19.85	21.50	21.28	21.27	21.28	23.00
3GPP Rel 6	HSUPA Subtest-5	20.09	19.99	20.05	21.50	20.05	19.94	20.06	21.50	22.90	22.91	22.93	23.00

Band 7 DS4 Ant1								
BW (MHz)	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)				20850	21100	21350		
20	QPSK	1	0	17.75	17.77	17.73	18.5	0
20	QPSK	1	49	17.69	17.73	17.69		
20	QPSK	1	99	17.67	17.69	17.66		
20	QPSK	50	0	17.65	17.68	17.65	18.5	0
20	QPSK	50	24	17.59	17.63	17.61		
20	QPSK	50	50	17.56	17.59	17.54		
20	QPSK	100	0	17.54	17.56	17.54	18.5	0
20	16QAM	1	0	17.73	17.76	17.73		
20	16QAM	1	49	17.71	17.75	17.70		
20	16QAM	1	99	17.67	17.71	17.67	18.5	0
20	16QAM	50	0	17.66	17.68	17.64		
20	16QAM	50	24	17.62	17.64	17.62		
20	16QAM	50	50	17.58	17.59	17.58	18.5	0
20	16QAM	100	0	17.53	17.56	17.51		
20	64QAM	1	0	17.71	17.76	17.73		
20	64QAM	1	49	17.72	17.74	17.69	18.5	0
20	64QAM	1	99	17.71	17.73	17.69		
20	64QAM	50	0	17.69	17.72	17.71		
20	64QAM	50	24	17.65	17.69	17.68	18.5	0
20	64QAM	50	50	17.63	17.66	17.62		
20	64QAM	100	0	17.57	17.62	17.59		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20825	21100	21375		
15	QPSK	1	0	17.71	17.72	17.68	18.5	0
15	QPSK	1	37	17.66	17.72	17.67		
15	QPSK	1	74	17.66	17.65	17.62		
15	QPSK	36	0	17.61	17.64	17.61	18.5	0
15	QPSK	36	20	17.55	17.62	17.57		
15	QPSK	36	39	17.54	17.57	17.49		
15	QPSK	75	0	17.49	17.54	17.49	18.5	0
15	16QAM	1	0	17.69	17.72	17.71		
15	16QAM	1	37	17.67	17.73	17.68		
15	16QAM	1	74	17.63	17.68	17.65	18.5	0
15	16QAM	36	0	17.65	17.66	17.61		
15	16QAM	36	20	17.59	17.60	17.59		
15	16QAM	36	39	17.55	17.58	17.55	18.5	0
15	16QAM	75	0	17.49	17.52	17.50		
15	64QAM	1	0	17.70	17.74	17.71		
15	64QAM	1	37	17.69	17.69	17.65	18.5	0
15	64QAM	1	74	17.69	17.69	17.65		
15	64QAM	36	0	17.66	17.68	17.68		
15	64QAM	36	20	17.62	17.65	17.63	18.5	0
15	64QAM	36	39	17.61	17.62	17.57		
15	64QAM	75	0	17.54	17.61	17.57		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20800	21100	21400		
10	QPSK	1	0	17.68	17.69	17.65	18.5	0
10	QPSK	1	25	17.62	17.69	17.62		
10	QPSK	1	49	17.62	17.64	17.59		
10	QPSK	25	0	17.59	17.62	17.58	18.5	0
10	QPSK	25	12	17.51	17.58	17.54		
10	QPSK	25	25	17.50	17.55	17.47		
10	QPSK	50	0	17.46	17.50	17.47	18.5	0
10	16QAM	1	0	17.67	17.68	17.69		
10	16QAM	1	25	17.62	17.69	17.63		
10	16QAM	1	49	17.60	17.64	17.62	18.5	0
10	16QAM	25	0	17.60	17.62	17.58		
10	16QAM	25	12	17.58	17.56	17.55		
10	16QAM	25	25	17.51	17.55	17.51	18.5	0
10	16QAM	50	0	17.46	17.50	17.47		
10	64QAM	1	0	17.68	17.70	17.69		
10	64QAM	1	25	17.66	17.68	17.62	18.5	0
10	64QAM	1	49	17.68	17.65	17.61		
10	64QAM	25	0	17.63	17.67	17.67		
10	64QAM	25	12	17.59	17.63	17.61	18.5	0
10	64QAM	25	25	17.57	17.59	17.54		
10	64QAM	50	0	17.53	17.58	17.53		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				20775	21100	21425		
5	QPSK	1	0	17.64	17.67	17.62	18.5	0
5	QPSK	1	12	17.57	17.64	17.61		
5	QPSK	1	24	17.57	17.63	17.55		
5	QPSK	12	0	17.55	17.61	17.54	18.5	0
5	QPSK	12	7	17.47	17.54	17.51		
5	QPSK	12	13	17.46	17.51	17.44		
5	QPSK	25	0	17.46	17.47	17.46	18.5	0
5	16QAM	1	0	17.65	17.65	17.67		
5	16QAM	1	12	17.57	17.68	17.60		
5	16QAM	1	24	17.55	17.61	17.60	18.5	0
5	16QAM	12	0	17.58	17.61	17.54		
5	16QAM	12	7	17.56	17.52	17.51		
5	16QAM	12	13	17.47	17.51	17.49	18.5	0
5	16QAM	25	0	17.42	17.48	17.43		
5	64QAM	1	0	17.65	17.67	17.64		
5	64QAM	1	12	17.63	17.65	17.58	18.5	0
5	64QAM	1	24	17.65	17.61	17.59		
5	64QAM	12	0	17.58	17.65	17.63		
5	64QAM	12	7	17.57	17.60	17.58	18.5	0
5	64QAM	12	13	17.54	17.54	17.50		
5	64QAM	25	0	17.50	17.56	17.52		



GSM850 DS14 Ant2

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	
	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8	33.50	23.59	23.73	23.82	24.50
GSM 1 Tx slot	32.59	32.73	32.82	33.50	23.59	23.73	23.82	24.50
GPRS 1 Tx slots	32.67	32.75	32.74	33.50	23.67	23.75	23.74	24.50
GPRS 2 Tx slots	29.94	29.00	29.06	29.50	22.94	23.00	23.06	23.50
GPRS 3 Tx slots	27.18	27.11	27.10	28.00	22.92	22.85	22.84	23.74
GPRS 4 Tx slots	25.70	25.83	25.82	27.00	22.70	22.83	22.82	24.00
EDGE 1 Tx slot	26.62	26.59	26.57	28.00	17.62	17.59	17.57	19.00
EDGE 2 Tx slots	23.95	23.92	23.91	25.00	17.95	17.92	17.91	19.00
EDGE 3 Tx slots	22.07	22.06	22.21	23.00	17.81	17.80	17.95	18.74
EDGE 4 Tx slots	20.82	20.95	21.02	22.50	17.82	17.95	18.02	19.50

GSM1900 DS14 Ant2

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	
	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8	26.00	16.55	16.65	16.51	17.00
GSM 1 Tx slot	25.55	25.65	25.51	26.00	16.55	16.65	16.51	17.00
GPRS 1 Tx slot	25.60	25.73	25.69	26.00	16.60	16.73	16.69	17.00
GPRS 2 Tx slots	22.62	22.66	22.96	23.50	16.62	16.86	16.96	17.50
GPRS 3 Tx slots	21.32	21.35	21.33	22.00	17.06	17.09	17.07	17.74
GPRS 4 Tx slots	19.23	19.73	19.60	20.50	16.23	16.73	16.60	17.50
EDGE 1 Tx slot	25.73	25.82	25.79	26.50	16.73	16.82	16.79	17.50
EDGE 2 Tx slots	22.59	22.37	22.46	23.50	16.59	16.37	16.46	17.50
EDGE 3 Tx slots	20.74	20.88	20.81	22.00	16.48	16.62	16.55	17.74
EDGE 4 Tx slots	19.56	19.45	19.58	20.50	16.56	16.45	16.58	17.50

WCDMA II DS14 Ant2

WCDMA IV DS14 Ant2

WCDMA V DS14 Ant2

Band TX Channel	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	
	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Rx Channel	9262	9400	9538	1537	1638	1738	4357	4407	4458			
Frequency (MHz)	1852.4	1880	1907.8	1712.4	1752.6	1792.8	326.4	336.4	346.8			
3GPP Rel 99 AMR 12.2Kbps	16.89	17.05	16.91	18.00	17.31	17.40	17.37	18.50	23.95	24.12	24.08	25.50
3GPP Rel 99 RMC 12.2Kbps	17.02	17.06	16.94	18.00	17.33	17.42	17.39	18.50	23.97	24.13	24.10	25.50
3GPP Rel 6 HSDPA Subtest-1	17.01	17.04	16.86	18.00	17.24	17.07	17.03	18.50	23.14	23.28	23.27	24.00
3GPP Rel 6 HSDPA Subtest-2	16.80	17.02	17.05	18.00	17.23	17.36	17.09	18.50	23.12	23.31	23.20	24.00
3GPP Rel 6 HSDPA Subtest-3	17.05	17.01	16.84	18.00	17.07	17.12	17.24	18.50	22.62	22.81	22.72	24.00
3GPP Rel 6 HSDPA Subtest-4	17.00	17.04	17.04	18.00	17.14	17.27	17.08	18.50	22.59	22.80	22.74	24.00
3GPP Rel 6 DC-HSDPA Subtest-1	17.02	16.88	16.88	18.00	17.23	17.12	17.21	18.50	23.11	23.40	23.37	24.00
3GPP Rel 6 DC-HSDPA Subtest-2	16.88	16.89	16.80	18.00	17.11	17.15	17.33	18.50	23.20	23.26	23.30	24.00
3GPP Rel 6 DC-HSDPA Subtest-3	16.92	16.72	16.69	18.00	17.16	17.33	17.20	18.50	22.73	22.90	22.81	24.00
3GPP Rel 6 DC-HSDPA Subtest-4	16.75	16.79	16.86	18.00	17.20	17.14	17.30	18.50	22.48	22.73	22.71	24.00
3GPP Rel 6 HSUPA Subtest-1	16.86	16.97	16.73	18.00	17.15	17.25	17.28	18.50	21.15	21.26	21.34	23.00
3GPP Rel 6 HSUPA Subtest-2	16.90	16.96	16.80	18.00	17.06	17.32	17.28	18.50	21.27	21.16	21.16	23.00
3GPP Rel 6 HSUPA Subtest-3	16.91	16.95	16.59	18.00	17.23	17.06	17.18	18.50	21.49	21.36	21.31	23.00
3GPP Rel 6 HSUPA Subtest-4	16.83	16.86	16.58	18.00	17.15	17.27	17.33	18.50	21.27	21.20	21.17	23.00
3GPP Rel 6 HSUPA Subtest-5	16.87	16.95	16.74	18.00	17.14	17.34	17.19	18.50	21.17	21.16	21.29	23.00



Band 7 DS14 Ant2								
BW (MHz)	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	17.61	17.64	17.60		
20	QPSK	1	49	17.54	17.59	17.58	18	0
20	QPSK	1	99	17.54	17.55	17.53		
20	QPSK	50	0	17.44	17.47	17.44		
20	QPSK	50	24	17.43	17.45	17.41	18	0
20	QPSK	50	50	17.37	17.41	17.36		
20	QPSK	100	0	17.34	17.38	17.35		
20	16QAM	1	0	17.50	17.54	17.49		
20	16QAM	1	49	17.44	17.48	17.45	18	0
20	16QAM	1	99	17.39	17.43	17.38		
20	16QAM	50	0	17.38	17.43	17.38		
20	16QAM	50	24	17.39	17.41	17.38	18	0
20	16QAM	50	50	17.35	17.39	17.36		
20	16QAM	100	0	17.34	17.36	17.34		
20	64QAM	1	0	17.59	17.61	17.57		
20	64QAM	1	49	17.52	17.57	17.53	18	0
20	64QAM	1	99	17.49	17.52	17.48		
20	64QAM	50	0	17.36	17.39	17.35		
20	64QAM	50	24	17.32	17.35	17.33	18	0
20	64QAM	50	50	17.25	17.27	17.25		
20	64QAM	100	0	17.14	17.17	17.16		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	17.59	17.60	17.56		
15	QPSK	1	37	17.51	17.57	17.53	18	0
15	QPSK	1	74	17.51	17.54	17.51		
15	QPSK	36	0	17.40	17.43	17.38		
15	QPSK	36	20	17.41	17.43	17.37	18	0
15	QPSK	36	39	17.38	17.40	17.32		
15	QPSK	75	0	17.32	17.35	17.33		
15	16QAM	1	0	17.46	17.50	17.45		
15	16QAM	1	37	17.43	17.47	17.41	18	0
15	16QAM	1	74	17.35	17.42	17.34		
15	16QAM	36	0	17.36	17.42	17.35		
15	16QAM	36	20	17.36	17.38	17.34	18	0
15	16QAM	36	39	17.31	17.37	17.32		
15	16QAM	75	0	17.32	17.33	17.29		
15	64QAM	1	0	17.54	17.58	17.55		
15	64QAM	1	37	17.48	17.52	17.51	18	0
15	64QAM	1	74	17.47	17.49	17.47		
15	64QAM	36	0	17.34	17.35	17.33		
15	64QAM	36	20	17.30	17.33	17.29	18	0
15	64QAM	36	39	17.21	17.24	17.21		
15	64QAM	75	0	17.09	17.13	17.12		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	17.56	17.58	17.54		
10	QPSK	1	25	17.48	17.52	17.51	18	0
10	QPSK	1	49	17.47	17.52	17.47		
10	QPSK	25	0	17.38	17.39	17.36		
10	QPSK	25	12	17.38	17.42	17.32	18	0
10	QPSK	25	25	17.35	17.35	17.27		
10	QPSK	50	0	17.29	17.31	17.28		
10	16QAM	1	0	17.42	17.46	17.42		
10	16QAM	1	25	17.39	17.43	17.36	18	0
10	16QAM	1	49	17.31	17.40	17.32		
10	16QAM	25	0	17.33	17.40	17.32		
10	16QAM	25	12	17.34	17.34	17.32	18	0
10	16QAM	25	25	17.29	17.35	17.29		
10	16QAM	50	0	17.27	17.31	17.25		
10	64QAM	1	0	17.53	17.53	17.53		
10	64QAM	1	25	17.47	17.50	17.47	18	0
10	64QAM	1	49	17.45	17.45	17.44		
10	64QAM	25	0	17.30	17.30	17.31		
10	64QAM	25	12	17.27	17.29	17.24	18	0
10	64QAM	25	25	17.16	17.19	17.19		
10	64QAM	50	0	17.08	17.11	17.08		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	17.54	17.55	17.52		
5	QPSK	1	12	17.43	17.50	17.49	18	0
5	QPSK	1	24	17.44	17.51	17.43		
5	QPSK	12	0	17.35	17.35	17.32		
5	QPSK	12	7	17.34	17.39	17.30	18	0
5	QPSK	12	13	17.33	17.31	17.23		
5	QPSK	25	0	17.24	17.28	17.25		
5	16QAM	1	0	17.38	17.45	17.41		
5	16QAM	1	12	17.36	17.39	17.34	18	0
5	16QAM	1	24	17.28	17.38	17.29		
5	16QAM	12	0	17.31	17.36	17.29		
5	16QAM	12	7	17.32	17.30	17.28	18	0
5	16QAM	12	13	17.25	17.33	17.24		
5	16QAM	25	0	17.24	17.28	17.20		
5	64QAM	1	0	17.52	17.50	17.49		
5	64QAM	1	12	17.45	17.49	17.43	18	0
5	64QAM	1	24	17.43	17.42	17.42		
5	64QAM	12	0	17.25	17.25	17.30		
5	64QAM	12	7	17.25	17.29	17.19	18	0
5	64QAM	12	13	17.13	17.15	17.16		
5	64QAM	25	0	17.05	17.06	17.06		



UL CA Power

Ant 1 Full Power		DS1&2									
CA_7c											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	1	0	22.42	24.00	
21100	20902	QPSK	1	0	1	99	1	0	23.05	24.00	
21350	21152	QPSK	1	0	1	99	1	0	23.06	24.00	
20850	21048	QPSK	1	49	50	0	1	0	21.59	23.00	
21100	20902	QPSK	50	0	1	49	1	0	21.86	23.00	
21350	21152	QPSK	50	0	1	49	1	0	21.63	23.00	

Ant 1 Full Power		DS1&2									
CA_38C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	1	0	23.94	25.50	
37901	37703	QPSK	1	0	1	99	1	0	23.98	25.50	
38150	37952	QPSK	1	0	1	99	1	0	23.72	25.50	
37850	38048	QPSK	1	49	50	0	1	0	22.77	24.50	
37901	37703	QPSK	50	0	1	49	1	0	22.81	24.50	
38150	37952	QPSK	50	0	1	49	1	0	22.72	24.50	

Ant 2 Full Power		DS12									
CA_7c											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	1	0	22.27	24.00	
21100	20902	QPSK	1	0	1	99	1	0	23.02	24.00	
21350	21152	QPSK	1	0	1	99	1	0	22.31	24.00	
20850	21048	QPSK	1	49	50	0	1	0	21.30	23.00	
21100	20902	QPSK	50	0	1	49	1	0	21.34	23.00	
21350	21152	QPSK	50	0	1	49	1	0	21.26	23.00	

Ant 2 Full Power		DS12									
CA_38C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	1	0	23.16	25.50	
37901	37703	QPSK	1	0	1	99	1	0	24.10	25.50	
38150	37952	QPSK	1	0	1	99	1	0	23.06	25.50	
37850	38048	QPSK	1	49	50	0	1	0	22.61	24.50	
37901	37703	QPSK	50	0	1	49	1	0	22.72	24.50	
38150	37952	QPSK	50	0	1	49	1	0	22.54	24.50	

Ant 1 Down Power		DS14									
CA_7c											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	1	0	17.28	18.00	
21100	20902	QPSK	1	0	1	99	1	0	17.16	18.00	
21350	21152	QPSK	1	0	1	99	1	0	17.33	18.00	
20850	21048	QPSK	1	49	50	0	1	0	17.21	18.00	
21100	20902	QPSK	50	0	1	49	1	0	17.11	18.00	
21350	21152	QPSK	50	0	1	49	1	0	17.20	18.00	

Ant 1 Down Power		DS14									
CA_38C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	1	0	19.27	20.00	
37901	37703	QPSK	1	0	1	99	1	0	19.56	20.00	
38150	37952	QPSK	1	0	1	99	1	0	19.41	20.00	
37850	38048	QPSK	1	49	50	0	1	0	19.60	20.00	
37901	37703	QPSK	50	0	1	49	1	0	19.63	20.00	
38150	37952	QPSK	50	0	1	49	1	0	19.56	20.00	

Ant 2 Down Power		DS11&4									
CA_7c											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	1	0	1	0	17.28	18.00	
21100	20902	QPSK	1	0	1	99	1	0	17.33	18.00	
21350	21152	QPSK	1	0	1	99	1	0	17.16	18.00	
20850	21048	QPSK	1	49	50	0	1	0	17.05	18.00	
21100	20902	QPSK	50	0	1	49	1	0	17.18	18.00	
21350	21152	QPSK	50	0	1	49	1	0	17.06	18.00	

Ant 2 Down Power		DS11									
CA_38C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	1	0	20.51	22.00	
37901	37703	QPSK	1	0	1	99	1	0	20.63	22.00	
38150	37952	QPSK	1	0	1	99	1	0	20.48	22.00	
37850	38048	QPSK	1	49	50	0	1	0	20.38	22.00	
37901	37703	QPSK	50	0	1	49	1	0	20.52	22.00	
38150	37952	QPSK	50	0	1	49	1	0	20.51	22.00	

Ant 2 Down Power		DS14									
CA_38C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	99	1	0	1	0	19.38	21.00	
37901	37703	QPSK	1	0	1	99	1	0	19.51	21.00	
38150	37952	QPSK	1	0	1	99	1	0	19.28	21.00	
37850	38048	QPSK	1	49	50	0	1	0	19.18	21.00	
37901	37703	QPSK	50	0	1	49	1	0	19.43	21.00	
38150	37952	QPSK	50	0	1	49	1	0	19.35	21.00	



Ant 1 Full Power		DS11&2									
CA_41C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
40140	40338	QPSK	1	99	1	0	1	0	24.11	25.50	
40400	40202	QPSK	1	0	1	99	1	0	24.08	25.50	
40670	40472	QPSK	1	0	1	99	1	0	23.92	25.50	
41140	40942	QPSK	1	0	1	99	1	0	23.95	25.50	
40140	40338	QPSK	1	49	50	0	1	0	22.96	24.50	
40400	40202	QPSK	50	0	1	49	1	0	22.91	24.50	
40670	40472	QPSK	50	0	1	49	1	0	22.97	24.50	
41140	40942	QPSK	50	0	1	49	1	0	22.88	24.50	

Ant 2 Full Power		DS12									
CA_41C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
40140	40338	QPSK	1	99	1	0	1	0	23.44	25.50	
40400	40202	QPSK	1	0	1	99	1	0	24.21	25.50	
40670	40472	QPSK	1	0	1	99	1	0	23.38	25.50	
41140	40942	QPSK	1	0	1	99	1	0	23.41	25.50	
40140	40338	QPSK	1	49	50	0	1	0	22.88	24.50	
40400	40202	QPSK	50	0	1	49	1	0	22.92	24.50	
40670	40472	QPSK	50	0	1	49	1	0	22.67	24.50	
41140	40942	QPSK	50	0	1	49	1	0	22.75	24.50	

Ant 1 Down Power		DS14									
CA_41C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
40140	40338	QPSK	1	99	1	0	1	0	19.71	20.50	
40400	40202	QPSK	1	0	1	99	1	0	19.41	20.50	
40670	40472	QPSK	1	0	1	99	1	0	19.52	20.50	
41140	40942	QPSK	1	0	1	99	1	0	19.77	20.50	
40140	40338	QPSK	1	49	50	0	1	0	19.83	20.50	
40400	40202	QPSK	50	0	1	49	1	0	19.76	20.50	
40670	40472	QPSK	50	0	1	49	1	0	19.79	20.50	
41140	40942	QPSK	50	0	1	49	1	0	19.71	20.50	

Ant 2 Down Power		DS11									
CA_41C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
40140	40338	QPSK	1	99	1	0	1	0	20.66	22.00	
40400	40202	QPSK	1	0	1	99	1	0	20.83	22.00	
40670	40472	QPSK	1	0	1	99	1	0	20.84	22.00	
41140	40942	QPSK	1	0	1	99	1	0	20.71	22.00	
40140	40338	QPSK	1	49	50	0	1	0	20.73	22.00	
40400	40202	QPSK	50	0	1	49	1	0	20.72	22.00	
40670	40472	QPSK	50	0	1	49	1	0	20.66	22.00	
41140	40942	QPSK	50	0	1	49	1	0	20.70	22.00	

Ant 2 Down Power		DS14									
CA_41C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
40140	40338	QPSK	1	99	1	0	1	0	19.78	21.50	
40400	40202	QPSK	1	0	1	99	1	0	19.62	21.50	
40670	40472	QPSK	1	0	1	99	1	0	19.51	21.50	
41140	40942	QPSK	1	0	1	99	1	0	19.66	21.50	
40140	40338	QPSK	1	49	50	0	1	0	19.33	21.50	
40400	40202	QPSK	50	0	1	49	1	0	19.61	21.50	
40670	40472	QPSK	50	0	1	49	1	0	19.55	21.50	
41140	40942	QPSK	50	0	1	49	1	0	19.62	21.50	



2CA DL

Configure	PCC										SCC				Power	
	LTE	Ant	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	Tx Power (dBm)	Tx Power (dBm)		
	Band		(MHz)	Freq. (MHz)	Channel		RB	Offset	Band	(MHz)	Freq. (MHz)	Channel				
CA_2C	Band 2	1	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	23.89	24.12		
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	23.84	24.15		
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	24.03	24.16		
CA_2A-4A	Band 2	4	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	23.87	23.84		
	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	23.84	24.01		
	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	23.84	23.98		
CA_2A-5A	Band 2	1	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	24.03	24.12		
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	24.03	24.15		
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	23.84	24.04		
CA_2A-7A	Band 2	2	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	24.62	24.83		
	Band 2	1	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	23.86	24.12		
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	23.86	24.15		
CA_4A-5A	Band 7	2	20M	2535	21100	QPSK	1	0	Band 2	20M	1960	900	23.01	23.16		
	Band 7	4	20M	2535	21100	QPSK	1	0	Band 2	20M	1960	900	22.12	22.16		
	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	23.82	24.01		
CA_4A-7A	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	23.86	23.98		
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	24.01	24.04		
	Band 5	2	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	24.52	24.63		
CA_4A-7A	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	23.88	24.01		
	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	23.86	23.98		
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 4	20M	2132.5	2175	23.09	23.16		
CA_5A-7A	Band 7	4	20M	2535	21100	QPSK	1	0	Band 4	20M	2132.5	2175	22.14	22.16		
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	23.91	24.04		
	Band 5	2	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	24.86	24.63		
CA_5A-7A	Band 7	1	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	23.36	23.39		
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	23.06	23.16		
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 41	20M	856.3	20723	23.88	24.04		
CA_5A-41A	Band 5	2	10M	836.5	20525	QPSK	1	0	Band 41	20M	856.3	20723	24.55	24.63		
	Band 41	1	20M	2571	40400	QPSK	1	0	Band 5	10M	881.5	2525	24.02	24.18		
	Band 41	2	20M	2571	40400	QPSK	1	0	Band 5	10M	881.5	2525	24.13	24.24		
CA_7A-7A	Band 7	1	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	23.36	23.39		
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	23.09	23.16		
	Band 7	1	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	23.31	23.39		
CA_7C	Band 7	2	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	23.11	23.16		
	Band 38	1	20M	2595	38000	QPSK	1	0	Band 38	20M	2617.5	38225	24.03	24.09		
	Band 38	2	20M	2595	38000	QPSK	1	0	Band 38	20M	2617.5	38225	24.11	24.22		
CA_38A-38A	Band 38	1	20M	2595	38000	QPSK	1	0	Band 38	5M	2617.5	38225	23.89	24.09		
	Band 38	2	20M	2595	38000	QPSK	1	0	Band 38	5M	2617.5	38225	24.02	24.22		
	Band 41	1	20M	2571	40400	QPSK	1	0	Band 41	20M	2590.8	40598	24.12	24.18		
CA_41C	Band 41	2	20M	2571	40400	QPSK	1	0	Band 41	20M	2590.8	40598	24.22	24.24		
	Band 41	1	20M	2571	40400	QPSK	1	0	Band 41	5M	2687.5	41565	24.15	24.16		
	Band 41	2	20M	2571	40400	QPSK	1	0	Band 41	5M	2687.5	41565	24.20	24.24		



Mode	Channel	Full Power			Receiver on		Duty Cycle %		
		Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.85	19.50	16.88	18.50	98.31	
		6	2437	17.49	19.00		18.50		
		11	2462	17.52	19.50		18.50		
	802.11g 6Mbps	1	2412	18.26	19.50	Nont Required		18.50	97.45
		6	2437	18.00	19.50			18.50	
		11	2462	18.03	19.50			18.50	
802.11n-HT20 MCS0	1	2412	16.77	18.50	Nont Required		18.50	97.30	
	6	2437	16.55	18.50			18.50		
	11	2462	16.76	18.50			18.50		

Mode	Channel	Full Power			Receiver on		Duty Cycle %		
		Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
5.2GHz WLAN	802.11a 6Mbps	36	5180	14.05	15.50	Nont Required	12.00	97.46	
		40	5200	13.89	15.50		12.00		
		44	5220	13.66	15.50		12.00		
		48	5240	13.18	14.50		12.00		
	802.11n-HT20 MCS0	36	5180	13.84	15.50		12.00	97.30	
		40	5200	13.69	15.00		12.00		
		44	5220	13.39	15.00		12.00		
		48	5240	13.09	14.50		12.00		
	802.11n-HT40 MCS0	36	5190	14.24	15.50		12.00	94.89	
		48	5230	13.95	15.50		12.00		
	802.11ac VHT20 MCS0	36	5180	13.76	15.50		12.00	97.43	
		40	5200	13.67	15.00		12.00		
		44	5220	13.37	15.00		12.00		
	802.11ac VHT40 MCS0	48	5240	13.05	14.50		12.00	94.97	
		38	5190	14.19	15.50		12.00		
	46	5230	13.87	15.50	12.00		12.00		
	802.11ac VHT80 MCS0	42	5210	13.72	15.00		10.49	12.00	89.80

Mode	Channel	Full Power			Receiver on		Duty Cycle %		
		Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
5.3GHz WLAN	802.11a 6Mbps	52	5260	13.08	14.50	Nont Required	12.00	97.46	
		56	5280	13.19	14.50		12.00		
		60	5300	13.33	14.50		12.00		
		64	5320	13.78	15.50		12.00		
	802.11n-HT20 MCS0	52	5260	13.14	14.50		12.00	97.30	
		56	5280	13.17	14.50		12.00		
		60	5300	13.20	14.50		12.00		
		64	5320	13.59	15.00		12.00		
	802.11n-HT40 MCS0	54	5270	13.46	15.00		12.00	94.89	
		62	5310	13.71	15.50		12.00		
	802.11ac VHT20 MCS0	52	5260	13.04	14.50		12.00	97.43	
		56	5280	13.09	14.50		12.00		
		60	5300	13.15	14.50		12.00		
		64	5320	13.46	15.00		12.00		
	802.11ac VHT40 MCS0	54	5270	13.39	15.00		12.00	94.97	
		62	5310	13.67	15.50		12.00		
	802.11ac VHT80 MCS0	58	5290	13.39	15.00		10.53	12.00	89.6

Mode	Channel	Full Power			Receiver on		Duty Cycle %	
		Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.5GHz WLAN	802.11a 6Mbps	100	5500	13.57	15.00	Nont Required	11.00	97.46
		116	5580	13.46	15.00		11.00	
		124	5620	13.62	15.00		11.00	
		132	5660	14.03	15.50		11.00	
		140	5700	14.09	15.50		11.00	
		100	5500	13.50	15.00		11.00	
	116	5580	13.25	15.00	11.00			
	124	5620	13.59	15.50	11.00			
	132	5660	13.97	15.50	11.00			
	140	5700	13.89	15.50	11.00			
	102	5510	13.82	15.50	11.00		94.89	
	110	5550	13.85	15.50	11.00			
	126	5630	14.15	15.50	11.00		11.00	
	134	5670	14.38	16.00	11.00		11.00	
	802.11ac VHT20 MCS0	100	5500	13.43	15.00		11.00	97.43
		116	5580	13.23	15.00		11.00	
		124	5620	13.50	15.00		11.00	
		132	5660	13.88	15.50		11.00	
140		5700	13.83	15.50	11.00			
102		5510	13.87	15.50	11.00	94.97		
110	5550	13.79	15.50	11.00				
126	5630	14.09	15.50	11.00				
134	5670	14.31	16.00	11.00				
106	5530	13.55	15.00	9.59	11.00			
122	5610	13.63	15.00	9.61	11.00		89.80	

Mode	Channel	Full Power			Receiver on		Duty Cycle %		
		Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit			
5.8GHz WLAN	802.11a 6Mbps	149	5745	13.93	15.50	Nont Required	12.50	97.46	
		157	5785	13.77	15.50		12.50		
		161	5805	13.75	15.50		12.50		
	802.11n-HT20 MCS0	149	5745	13.73	15.00		12.50	97.30	
		157	5785	13.84	15.00		12.50		
		161	5805	13.55	15.00		12.50		
	802.11n-HT40 MCS0	151	5755	14.20	15.50		12.50	94.89	
		159	5795	14.00	15.50		12.50		
	802.11ac VHT20 MCS0	149	5745	13.64	15.00		12.50	97.43	
		157	5785	13.59	15.00		12.50		
		161	5805	13.50	15.00		12.50		
	802.11ac VHT40 MCS0	151	5755	14.05	15.50		12.50	94.97	
		159	5795	13.95	15.50		12.50		
	802.11ac VHT80 MCS0	155	5775	14.07	15.50		11.25	12.50	89.6

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	9.36	4.82	4.88
	CH 39	2441	9.47	5.20	5.31
	CH 76	2480	9.77	5.69	5.70
Tune-up Limit			11	11	11

BLE 1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	0.82
	CH 19	2440	0.86
	CH 39	2480	1.22
Tune-up Limit			2