

10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAC	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAC	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAC	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAC	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	± 9.6 %
10767	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10778	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %

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

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

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

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



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.

Full Power level/Default Power level for WWAN

GSM850 Ant0 Default

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	180	251		128	180	251	
TX Channel	128	180	251		128	180	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.72	32.86	32.88	33.50	23.72	23.86	23.88	24.50
GPRS 1 Tx slot	32.81	32.87	32.97	33.50	23.81	23.87	23.97	24.50
GPRS 2 Tx slots	29.62	29.40	29.66	30.50	23.62	23.40	23.66	24.50
GPRS 3 Tx slots	27.75	27.77	27.82	28.50	23.49	23.51	23.56	24.24
GPRS 4 Tx slots	26.30	26.58	26.57	27.50	23.30	23.58	23.57	24.50
EDGE 1 Tx slot	26.71	26.70	27.05	27.50	17.71	17.70	18.05	18.50
EDGE 2 Tx slots	23.68	23.63	23.55	24.50	17.68	17.63	17.55	18.50
EDGE 3 Tx slots	21.74	22.01	22.03	23.00	17.48	17.75	17.77	18.74
EDGE 4 Tx slots	20.32	20.64	20.62	21.50	17.32	17.64	17.62	18.50

WCDMA V Ant0 Default

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		220.4	220.4	220.6	
3GPP Rel 99	AMR 12.2kbps	24.20	24.31	24.22	25.00
3GPP Rel 99	RMC 12.2kbps	24.26	24.34	24.27	25.00
3GPP Rel 6	HSDPA Subtest-1	23.38	23.19	23.31	24.00
3GPP Rel 6	HSDPA Subtest-2	23.21	23.38	23.07	24.00
3GPP Rel 6	HSDPA Subtest-3	22.75	22.83	22.69	23.50
3GPP Rel 6	HSDPA Subtest-4	22.59	22.77	22.50	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.35	23.25	23.23	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.10	23.36	23.09	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.89	22.86	22.79	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.53	22.94	22.61	23.50
3GPP Rel 6	HSUPA Subtest-1	23.09	23.29	23.34	24.00
3GPP Rel 6	HSUPA Subtest-2	21.36	21.22	21.20	22.00
3GPP Rel 6	HSUPA Subtest-3	22.18	22.53	22.10	23.00
3GPP Rel 6	HSUPA Subtest-4	21.05	21.24	20.93	22.00
3GPP Rel 6	HSUPA Subtest-5	23.16	23.36	23.42	24.00



Band 4 AntB Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Power Ch./Freq.	Turn-up Time (min)	MPE (dB)
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.88	22.88	22.74	22.88	22.88	24.5	0
10	QPSK	1	49	22.88	22.88	22.74	22.88	22.88		
10	QPSK	1	99	22.71	22.84	22.80	22.88	22.88		
10	QPSK	50	0	22.88	22.88	22.74	22.88	22.88		
10	QPSK	50	24	22.04	21.92	21.88	22.88	22.88	23.5	1
10	QPSK	100	0	22.88	22.88	22.74	22.88	22.88		
10	16QAM	1	0	22.17	22.24	22.09	22.88	22.88	23.5	1
10	16QAM	1	49	22.11	22.17	22.27	22.88	22.88		
10	16QAM	1	99	22.20	22.32	22.23	22.88	22.88		
10	16QAM	50	0	22.88	22.88	22.74	22.88	22.88	22.5	2
10	16QAM	50	24	22.88	22.88	22.88	22.88	22.88		
10	16QAM	50	50	22.84	22.82	22.81	22.88	22.88		
10	16QAM	100	0	22.84	22.88	22.84	22.88	22.88		
10	16QAM	1	0	22.82	22.86	22.81	22.88	22.88	22.5	2
10	16QAM	1	49	22.88	22.82	22.81	22.88	22.88		
10	16QAM	1	99	22.71	22.74	21.92	22.88	22.88		
10	16QAM	50	0	22.82	22.88	22.81	22.88	22.88	21.5	3
10	16QAM	50	24	22.84	22.82	22.81	22.88	22.88		
10	16QAM	50	50	22.75	22.78	22.78	22.88	22.88		
10	16QAM	100	0	22.71	22.82	22.78	22.88	22.88		
10	256QAM	1	0	17.89	17.89	17.89	22.88	22.88	19.5	5
10	256QAM	1	49	17.82	17.73	17.88	22.88	22.88		
10	256QAM	1	99	17.82	17.77	17.88	22.88	22.88		
10	256QAM	50	0	17.85	17.77	17.93	22.88	22.88		
10	256QAM	50	24	17.82	17.88	17.88	22.88	22.88	19.5	5
10	256QAM	50	50	18.05	17.84	17.97	22.88	22.88		
10	256QAM	100	0	18.03	17.88	17.82	22.88	22.88		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.81	22.82	22.84	22.88	22.88	24.5	0
15	QPSK	1	49	22.87	22.79	22.79	22.88	22.88		
15	QPSK	1	99	22.77	22.82	22.82	22.88	22.88		
15	QPSK	36	0	22.11	22.05	21.94	22.88	22.88	23.5	1
15	QPSK	36	12	22.28	22.01	22.01	22.88	22.88		
15	QPSK	36	36	22.10	22.08	21.98	22.88	22.88		
15	QPSK	75	0	22.14	22.01	21.85	22.88	22.88		
15	QPSK	75	12	22.09	22.17	22.02	22.88	22.88		
15	16QAM	1	37	21.98	22.08	22.17	22.88	22.88	23.5	1
15	16QAM	1	74	22.16	22.21	21.93	22.88	22.88		
15	16QAM	1	99	22.75	22.83	22.73	22.88	22.88		
15	16QAM	36	0	22.74	22.82	22.87	22.88	22.88	22.5	2
15	16QAM	36	12	22.77	22.88	22.88	22.88	22.88		
15	16QAM	75	0	22.75	22.85	22.73	22.88	22.88		
15	16QAM	1	0	22.78	22.87	22.84	22.88	22.88	22.5	2
15	16QAM	1	20	22.71	22.75	22.82	22.88	22.88		
15	16QAM	1	74	22.82	22.88	22.87	22.88	22.88		
15	16QAM	36	0	22.74	22.83	22.75	22.88	22.88	21.5	3
15	16QAM	36	36	22.82	22.88	22.88	22.88	22.88		
15	16QAM	75	0	22.87	22.88	22.88	22.88	22.88		
15	256QAM	1	0	17.91	17.82	17.94	22.88	22.88	19.5	5
15	256QAM	1	37	17.72	17.78	17.89	22.88	22.88		
15	256QAM	36	74	17.91	17.85	17.74	22.88	22.88		
15	256QAM	36	20	18.09	17.81	17.82	22.88	22.88	19.5	5
15	256QAM	75	0	17.92	17.88	17.88	22.88	22.88		
15	256QAM	75	0	17.74	17.81	17.88	22.88	22.88		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.02	22.79	22.68	22.88	22.88	24.5	0
10	QPSK	1	25	22.07	22.87	22.89	22.88	22.88		
10	QPSK	1	49	22.02	22.78	22.78	22.88	22.88		
10	QPSK	20	0	22.02	21.97	21.73	22.88	22.88		
10	QPSK	25	12	22.03	21.91	21.92	22.88	22.88	23.5	1
10	QPSK	25	25	22.08	21.88	21.88	22.88	22.88		
10	QPSK	50	0	21.92	21.88	21.88	22.88	22.88		
10	16QAM	1	0	21.92	22.08	21.89	22.88	22.88	23.5	1
10	16QAM	1	49	22.10	22.16	21.90	22.88	22.88		
10	16QAM	20	0	22.88	22.74	22.68	22.88	22.88	22.5	2
10	16QAM	20	25	22.79	22.77	22.82	22.88	22.88		
10	16QAM	25	25	22.73	22.71	22.84	22.88	22.88		
10	16QAM	50	0	22.78	22.88	22.88	22.88	22.88		
10	16QAM	1	0	22.78	22.88	22.79	22.88	22.88	22.5	2
10	16QAM	1	25	22.84	22.88	22.89	22.88	22.88		
10	16QAM	1	49	22.85	22.82	22.81	22.88	22.88		
10	16QAM	20	0	22.82	22.82	22.81	22.88	22.88	21.5	3
10	16QAM	20	25	22.82	22.82	22.81	22.88	22.88		
10	16QAM	50	0	22.79	22.88	22.88	22.88	22.88		
10	256QAM	1	0	17.89	17.74	17.79	22.88	22.88	19.5	5
10	256QAM	1	49	17.85	17.68	17.64	22.88	22.88		
10	256QAM	20	0	17.88	17.66	17.66	22.88	22.88		
10	256QAM	20	12	17.88	17.80	17.82	22.88	22.88	19.5	5
10	256QAM	25	25	17.82	17.67	17.72	22.88	22.88		
10	256QAM	50	0	18.03	17.73	17.65	22.88	22.88		
Channel										
Frequency (MHz)										
3	QPSK	1	0	22.90	22.82	22.75	22.88	22.88	24.5	0
3	QPSK	1	14	22.88	22.68	22.78	22.88	22.88		
3	QPSK	8	0	21.97	21.88	21.79	22.88	22.88	23.5	1
3	QPSK	8	7	21.90	21.88	21.80	22.88	22.88		
3	QPSK	75	0	22.05	21.89	21.86	22.88	22.88		
3	QPSK	75	14	22.04	22.18	22.15	22.88	22.88		
3	16QAM	1	8	21.87	22.12	22.12	22.88	22.88	23.5	1
3	16QAM	1	8	22.05	22.05	22.05	22.88	22.88		
3	16QAM	8	0	22.77	22.74	22.61	22.88	22.88		
3	16QAM	8	4	22.83	22.79	22.85	22.88	22.88	22.5	2
3	16QAM	10	0	22.70	22.80	22.71	22.88	22.88		
3	16QAM	1	0	22.89	22.94	22.84	22.88	22.88	22.5	2
3	16QAM	1	20	22.89	22.82	22.88	22.88	22.88		
3	16QAM	1	14	22.55	22.71	22.64	22.88	22.88		
3	16QAM	8	0	18.73	18.81	18.86	22.88	22.88	21.5	3
3	16QAM	8	7	18.81	18.76	18.88	22.88	22.88		
3	16QAM	14	0	18.84	18.86	18.88	22.88	22.88		
3	256QAM	1	8	17.85	17.57	17.73	22.88	22.88	19.5	5
3	256QAM	1	8	17.83	17.88	17.73	22.88	22.88		
3	256QAM	8	4	17.87	17.68	17.82	22.88	22.88	19.5	5
3	256QAM	8	7	17.85	17.64	17.83	22.88	22.88		
3	256QAM	10	0	18.02	17.63	17.72	22.88	22.88		
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.88	22.78	22.63	22.88	22.88	24.5	0
1.4	QPSK	1	9	22.80	22.78	22.78	22.88	22.88		
1.4	QPSK	1	24	22.81	22.73	22.71	22.88	22.88		
1.4	QPSK	3	0	22.84	22.79	22.82	22.88	22.88		
1.4	QPSK	3	9	22.89	22.78	22.82	22.88	22.88	23.5	1
1.4	QPSK	3	24	22.88	22.78	22.72	22.88	22.88		
1.4	QPSK	8	0	21.84	21.86	21.82	22.88	22.88	23.5	1
1.4	QPSK	8	9	21.75	21.85	21.79	22.88	22.88		
1.4	16QAM	1	5	21.80	21.86	21.87	22.88	22.88	23.5	1
1.4	16QAM	1	5	21.85	21.82	21.87	22.88	22.88		
1.4	16QAM	8	0	22.82	22.78	22.82	22.88	22.88	22.5	2
1.4	16QAM	8	9	22.84	22.73	22.74	22.88	22.88		
1.4	16QAM	3	0	22.81	21.74	21.74	22.88	22.88		
1.4	16QAM	3	9	21.74	22.73	22.74	22.88	22.88	22.5	2
1.4	16QAM	1	0	22.65	22.67	22.61	22.88	22.88		
1.4	16QAM	1	9	22.68	22.67	22.72	22.88	22.88		
1.4	16QAM	3	0	22.63	22.76	22.67	22.88	22.88	22.5	2
1.4	16QAM	3	9	22.72	22.62	22.70	22.88	22.88		
1.4	16QAM	1	0	22.71	22.70	22.84	22.88	22.88		
1.4	16QAM	8	0	19.57	18.88	19.75	22.88	22.88	21.5	3
1.4	16QAM	8	9	19.68	18.88	19.68	22.88	22.88		
1.4	16QAM	14	0	19.74	17.78	17.78	22.88	22.88		
1.4	16QAM	14	9	17.81	17.78	17.78	22.88	22.88	19.5	5
1.4	16QAM	1	0	17.81	17.72	17.72	22.88	22.88		
1.4	16QAM	1	9	17.87	17.71	17.71	22.88	22.88	19.5	5

Band 13 Ant0 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 24.45	Power High Ch./Freq. 24.45	Power Peak Ch./Freq. 24.45	Turn-on time (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.45	24.45	24.45	25.5	0		
10	QPSK	1	25	24.45	24.45	24.45				
10	QPSK	1	49	24.45	24.45	24.45				
10	QPSK	25	0	23.55	23.55	23.55				
10	QPSK	25	12	23.55	23.55	23.55				
10	QPSK	50	0	23.54	23.54	23.54	24.5	1		
10	QPSK	50	12	23.54	23.54	23.54				
10	16QAM	1	25	23.47	23.47	23.47				
10	16QAM	1	49	23.44	23.44	23.44				
10	16QAM	25	0	22.54	22.54	22.54				
10	16QAM	25	12	22.58	22.58	22.58	23.5	2		
10	16QAM	25	25	22.54	22.54	22.54				
10	16QAM	50	0	22.54	22.54	22.54				
10	16QAM	50	12	22.54	22.54	22.54				
10	16QAM	50	0	22.62	22.62	22.62				
10	16QAM	1	25	22.57	22.57	22.57	23.5	2		
10	16QAM	1	49	22.57	22.57	22.57				
10	16QAM	25	0	21.55	21.55	21.55				
10	16QAM	25	12	21.55	21.55	21.55				
10	16QAM	25	25	21.55	21.55	21.55				
10	16QAM	50	0	21.53	21.53	21.53	22.5	3		
10	16QAM	50	12	21.53	21.53	21.53				
10	16QAM	50	0	19.39	19.39	19.39				
10	16QAM	1	25	19.39	19.39	19.39				
10	16QAM	1	49	19.39	19.39	19.39				
10	16QAM	25	0	18.44	18.44	18.44	20.5	5		
10	16QAM	25	12	18.51	18.51	18.51				
10	16QAM	25	25	18.51	18.51	18.51				
10	16QAM	50	0	18.51	18.51	18.51				
10	16QAM	50	12	18.51	18.51	18.51				
10	16QAM	50	0	15.37	15.37	15.37	20.5	5		
10	16QAM	50	12	15.37	15.37	15.37				
10	16QAM	50	0	13.24	13.24	13.24				
10	16QAM	1	25	13.24	13.24	13.24				
10	16QAM	1	49	13.24	13.24	13.24				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.48	24.48	24.47	25.5	0		
5	QPSK	1	12	24.37	24.48	24.48				
5	QPSK	1	24	24.48	24.48	24.48				
5	QPSK	12	0	23.48	23.50	23.51				
5	QPSK	12	7	23.60	23.54	23.54				
5	QPSK	25	0	23.58	23.58	23.58	24.5	1		
5	QPSK	25	0	23.53	23.50	23.51				
5	QPSK	1	24	23.49	23.50	23.47				
5	16QAM	1	12	23.51	23.58	23.58				
5	16QAM	12	0	23.51	23.58	23.58				
5	16QAM	1	24	23.51	23.49	23.49	24.5	1		
5	16QAM	1	24	23.51	23.49	23.49				
5	16QAM	12	0	22.58	23.61	23.64				
5	16QAM	12	13	22.63	22.69	22.68				
5	16QAM	1	24	22.63	22.65	22.64				
5	16QAM	1	0	22.60	22.77	22.72	23.5	2		
5	16QAM	1	12	22.79	22.81	22.79				
5	16QAM	1	24	22.81	22.81	22.88				
5	16QAM	12	0	21.51	21.55	21.51				
5	16QAM	12	7	21.60	21.52	21.57				
5	16QAM	25	0	21.58	21.63	21.61	22.5	3		
5	16QAM	25	0	21.56	21.61	21.53				
5	16QAM	25	12	21.56	21.63	21.60				
5	16QAM	1	12	19.12	19.38	19.33				
5	16QAM	1	24	19.40	19.22	19.32				
5	16QAM	1	24	19.34	19.38	19.40	20.5	5		
5	16QAM	12	7	19.47	19.47	19.48				
5	16QAM	12	13	19.51	19.42	19.43				
5	16QAM	25	0	19.47	19.47	19.49				
5	16QAM	25	12	19.47	19.47	19.49				

Band 17 Ant0 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (2370)	Power High Ch./Freq. (2390)	Power Peak Ch./Freq. (2380)	Turn-on time (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.12	24.12	24.08	25.5	0		
10	QPSK	1	25	24.08	23.99	24.17				
10	QPSK	1	49	24.07	24.12	23.94				
10	QPSK	25	0	23.12	23.26	23.22				
10	QPSK	25	12	23.24	23.17	23.23				
10	QPSK	25	12	23.24	23.23	23.21	24.5	1		
10	QPSK	25	25	23.22	23.22	23.19				
10	QPSK	50	0	23.22	23.22	23.22				
10	QPSK	50	0	23.22	23.22	23.22				
10	QPSK	50	0	23.22	23.22	23.22				
10	16QAM	1	25	23.61	23.41	23.35	24.5	1		
10	16QAM	1	49	23.62	23.62	23.55				
10	16QAM	1	73	23.62	23.62	23.55				
10	16QAM	25	0	22.69	22.69	22.65				
10	16QAM	25	12	22.31	22.14	22.28				
10	16QAM	25	25	22.21	22.25	22.18	23.5	2		
10	16QAM	25	25	22.21	22.25	22.18				
10	16QAM	50	0	22.21	22.21	22.21				
10	16QAM	50	0	22.23	22.04	22.20				
10	16QAM	50	0	22.23	22.04	22.20				
10	16QAM	1	25	22.24	22.24	22.19	23.5	2		
10	16QAM	1	49	22.24	22.24	22.19				
10	16QAM	25	0	21.15	21.15	21.08				
10	16QAM	25	12	21.15	21.15	21.08				
10	16QAM	25	12	21.15	21.17	21.13				
10	16QAM	25	25	21.16	21.17	21.13	22.5	3		
10	16QAM	50	0	21.17	21.16	21.16				
10	16QAM	50	0	19.16	19.22	19.18				
10	16QAM	1	25	18.14	18.22	18.06				
10	16QAM	1	49	18.22	18.04	18.10				
10	16QAM	25	0	18.14	18.14	18.10	20.5	5		
10	16QAM	25	12	18.14	18.14	18.10				
10	16QAM	25	12	18.14	18.14	18.10				
10	16QAM	25	25	18.28	18.29	18.15				
10	16QAM	50	0	18.28	18.28	18.15				
10	16QAM	50	0	16.27	16.28	16.15	20.5	5		
10	16QAM	50	0	16.27	16.28	16.15				
10	16QAM	50	0	16.27	16.28	16.15				
10	16QAM	50	0	16.27	16.28	16.15				
10	16QAM	50	0	16.27	16.28	16.15				
10	16QAM	1	0	13.27	13.28	13.15	20.5	5		
10	16QAM	1	25	13.27	13.28	13.15				
10	16QAM	1	49	13.27	13.28	13.15				
10	16QAM	25	0	12.27	12.27	12.14				
10	16QAM	25	12	12.27	12.27	12.14				
10	16QAM	25	12	12.27	12.27	12.14	20.5	5		
10	16QAM	25	25	12.27	12.27	12.14				
10	16QAM	50	0	12.27	12.27	12.14				
10	16QAM	50	0	12.27	12.27	12.14				
10	16QAM	50	0	12.27	12.27	12.14				

Band 26 Ant0 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (MHz)	Power High Ch./Freq. (MHz)	Power Peak Ch./Freq. (MHz)	Turn-on time (ms)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.21	24.33	24.21	25.5	0		
10	QPSK	1	25	24.28	24.31	24.28				
10	QPSK	1	49	24.27	24.30	24.27	24.5	1		
10	QPSK	36	0	23.35	23.41	23.28				
10	QPSK	36	25	23.34	23.34	23.29	24.5	1		
10	QPSK	36	49	23.35	23.35	23.34				
10	QPSK	75	0	23.34	23.37	23.33	24.5	1		
10	QPSK	75	25	23.37	23.37	23.37				
10	QPSK	1	37	23.08	23.43	23.33	24.5	1		
10	QPSK	1	74	23.22	23.24	23.08				
10	QPSK	1	111	23.22	23.22	23.08	23.5	2		
10	QPSK	36	20	22.46	22.38	22.30				
10	QPSK	36	30	22.39	22.40	22.38	23.5	2		
10	QPSK	36	40	22.40	22.40	22.40				
10	QPSK	1	0	22.42	22.47	22.45	23.5	2		
10	QPSK	1	25	22.47	22.47	22.45				
10	QPSK	1	74	22.47	22.47	22.45	23.5	2		
10	QPSK	1	111	22.47	22.47	22.45				
10	QPSK	36	36	21.94	21.99	21.93	22.5	3		
10	QPSK	36	71	21.95	21.98	21.97				
10	QPSK	75	0	21.96	21.42	21.38	20.5	5		
10	QPSK	75	25	21.94	21.36	21.32				
10	QPSK	1	37	19.12	19.18	19.15	20.5	5		
10	QPSK	1	74	18.99	19.03	18.98				
10	QPSK	1	111	19.22	19.07	19.20	20.5	5		
10	QPSK	36	20	19.18	19.08	19.14				
10	QPSK	36	30	19.36	19.31	19.35	20.5	5		
10	QPSK	36	40	19.36	19.36	19.36				
10	QPSK	75	0	19.27	19.18	19.11	20.5	5		
10	QPSK	75	25	19.27	19.18	19.11				
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.03	24.09	24.28	25.5	0		
10	QPSK	1	25	24.02	24.17	24.08				
10	QPSK	1	49	24.11	24.14	24.14	24.5	1		
10	QPSK	36	0	23.32	23.32	23.04				
10	QPSK	36	25	23.34	23.39	23.15	24.5	1		
10	QPSK	36	49	23.35	23.35	23.34				
10	QPSK	90	0	23.21	23.12	23.24	24.5	1		
10	QPSK	90	25	23.12	23.01	23.09				
10	QPSK	1	25	23.32	23.32	23.31	24.5	1		
10	QPSK	1	49	23.16	23.14	23.01				
10	QPSK	1	74	23.16	23.16	23.01	23.5	2		
10	QPSK	36	12	22.33	22.36	22.33				
10	QPSK	36	25	22.34	22.22	22.22	23.5	2		
10	QPSK	36	49	22.35	22.31	22.24				
10	QPSK	1	0	22.37	22.34	22.32	23.5	2		
10	QPSK	1	25	22.22	22.48	22.29				
10	QPSK	1	49	22.25	22.41	22.36	23.5	2		
10	QPSK	25	0	21.35	21.37	21.15				
10	QPSK	25	25	21.31	21.34	21.27	22.5	3		
10	QPSK	25	49	21.31	21.31	21.31				
10	QPSK	50	0	21.35	21.13	21.08	20.5	5		
10	QPSK	50	25	21.35	21.13	21.08				
10	QPSK	1	25	19.05	19.32	19.13	20.5	5		
10	QPSK	1	49	19.09	19.01	19.08				
10	QPSK	1	74	19.09	19.09	19.08	20.5	5		
10	QPSK	25	12	19.26	19.32	19.21				
10	QPSK	25	25	19.39	19.41	19.02	20.5	5		
10	QPSK	25	49	19.22	19.27	19.22				

Band 38 Ant0 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	24.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.88	22.94	22.70	23.5	1	
20	QPSK	1	49	22.89	22.71	22.90			
20	QPSK	1	99	22.83	22.78	22.80			
20	QPSK	50	0	21.90	21.99	21.95			
20	QPSK	50	24	21.95	21.86	21.93	22.5	2	
20	QPSK	50	50	21.96	21.90	21.97			
20	QPSK	100	0	22.00	22.01	21.95			
20	16QAM	1	0	21.95	21.99	21.91			
20	16QAM	1	49	21.85	22.01	21.79	23.5	1	
20	16QAM	1	99	22.05	22.09	22.02			
20	16QAM	50	0	20.92	20.88	21.04			
20	16QAM	50	24	21.04	20.89	20.96			
20	16QAM	50	50	21.05	20.87	20.93	22.5	2	
20	16QAM	100	0	21.07	20.90	20.95			
20	64QAM	1	0	21.02	20.94	20.89			
20	64QAM	1	49	20.73	20.81	20.68			
20	64QAM	1	99	20.85	20.59	20.81	21.5	3	
20	64QAM	50	0	19.86	19.96	20.01			
20	64QAM	50	24	20.14	19.99	19.88			
20	64QAM	50	50	20.08	19.89	20.00			
20	64QAM	100	0	19.95	19.97	19.91	19.5	5	
20	256QAM	1	0	17.94	18.08	17.80			
20	256QAM	1	49	18.05	17.92	17.96			
20	256QAM	1	99	17.83	17.94	17.97			
20	256QAM	50	0	18.03	18.17	18.03	19.5	5	
20	256QAM	50	24	18.12	17.92	18.02			
20	256QAM	50	50	18.02	17.97	18.06			
20	256QAM	100	0	18.15	18.17	17.93			
Channel				37825	38000	38175	24.5	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.72	22.89	22.62	23.5	1	
15	QPSK	1	37	22.83	22.62	22.80			
15	QPSK	1	74	22.66	22.69	22.83			
15	QPSK	36	0	21.74	21.89	21.79			
15	QPSK	36	20	21.97	21.89	21.75	23.5	1	
15	QPSK	36	39	21.92	21.84	21.83			
15	QPSK	75	0	21.96	21.95	21.82			
15	16QAM	1	0	21.79	21.98	21.91			
15	16QAM	1	37	21.75	22.03	21.73	22.5	2	
15	16QAM	1	74	21.91	22.12	21.90			
15	16QAM	36	0	20.81	20.82	20.93			
15	16QAM	36	20	20.96	20.90	20.90			
15	16QAM	36	39	20.97	20.82	20.81	22.5	2	
15	16QAM	75	0	21.02	20.88	20.81			
15	64QAM	1	0	20.97	20.81	20.51			
15	64QAM	1	37	20.61	20.75	20.60			
15	64QAM	1	74	20.80	20.51	20.63	21.5	3	
15	64QAM	36	0	19.72	19.92	19.90			
15	64QAM	36	20	20.01	19.94	19.77			
15	64QAM	36	39	19.98	19.82	19.88			
15	64QAM	75	0	19.76	19.91	19.74	19.5	5	
15	256QAM	1	0	17.85	17.91	17.65			
15	256QAM	1	37	17.96	17.81	17.82			
15	256QAM	1	74	17.66	17.86	17.86			
15	256QAM	36	0	17.93	17.90	17.91	19.5	5	
15	256QAM	36	20	18.10	18.08	17.95			
15	256QAM	36	39	18.10	17.85	18.02			
15	256QAM	75	0	18.00	17.98	18.00			
Channel				37800	38000	38200	24.5	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.82	22.82	22.56	23.5	1	
10	QPSK	1	25	22.89	22.71	22.82			
10	QPSK	1	49	22.65	22.77	22.87			
10	QPSK	25	0	21.80	21.79	21.81			
10	QPSK	25	12	21.95	21.88	21.79	22.5	2	
10	QPSK	25	25	21.93	21.89	21.80			
10	QPSK	50	0	21.98	21.96	21.80			
10	16QAM	1	0	21.85	21.92	21.76			
10	16QAM	1	25	21.76	21.98	21.65	23.5	1	
10	16QAM	1	49	21.89	22.02	21.94			
10	16QAM	25	0	20.84	20.87	20.95			
10	16QAM	25	12	20.93	20.80	20.84			
10	16QAM	25	25	20.92	20.84	20.86	22.5	2	
10	16QAM	50	0	21.01	20.86	20.88			
10	64QAM	1	0	20.85	20.83	20.52			
10	64QAM	1	25	20.56	20.79	20.59			
10	64QAM	1	49	20.72	20.63	20.75	21.5	3	
10	64QAM	25	0	19.79	19.99	19.97			
10	64QAM	25	12	20.07	19.93	19.83			
10	64QAM	25	25	19.99	19.82	19.94			
10	64QAM	50	0	19.83	19.98	19.81	19.5	5	
10	256QAM	1	0	18.00	18.03	17.64			
10	256QAM	1	25	18.09	17.73	17.92			
10	256QAM	1	49	17.72	17.93	17.96			
10	256QAM	25	0	17.88	17.81	17.85	19.5	5	
10	256QAM	25	12	18.03	17.90	17.97			
10	256QAM	25	25	17.98	17.94	17.97			
10	256QAM	50	0	18.20	17.99	17.83			
Channel				31775	38000	38225	24.5	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.77	22.87	22.53	23.5	1	
5	QPSK	1	12	22.81	22.65	22.78			
5	QPSK	1	24	22.76	22.75	22.86			
5	QPSK	12	0	21.84	21.85	21.78			
5	QPSK	12	7	21.90	21.87	21.80	22.5	2	
5	QPSK	12	13	21.90	21.87	21.88			
5	QPSK	25	0	21.85	21.95	21.87			
5	16QAM	1	0	21.84	21.97	21.75			
5	16QAM	1	12	21.88	21.94	21.74	23.5	1	
5	16QAM	1	24	22.00	22.00	21.93			
5	16QAM	12	0	20.82	20.87	20.87			
5	16QAM	12	7	20.86	20.89	20.88			
5	16QAM	12	13	20.87	20.81	20.75	22.5	2	
5	16QAM	25	0	21.02	20.88	20.78			
5	64QAM	1	0	20.91	20.84	20.57			
5	64QAM	1	12	20.59	20.73	20.62			
5	64QAM	1	24	20.78	20.56	20.73	21.5	3	
5	64QAM	12	0	19.68	19.92	19.94			
5	64QAM	12	7	20.04	20.01	19.73			
5	64QAM	12	13	20.02	19.81	19.87			
5	64QAM	25	0	19.83	19.93	19.74	19.5	5	
5	256QAM	1	0	17.85	18.02	17.74			
5	256QAM	1	12	17.94	17.67	17.99			
5	256QAM	1	24	17.80	17.93	18.01			
5	256QAM	12	0	17.90	17.86	17.82	19.5	5	
5	256QAM	12	7	17.93	17.87	17.88			
5	256QAM	12	13	18.05	17.94	18.08			
5	256QAM	25	0	17.98	18.16	17.90			

Band 41 Ant0 Default											
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39790	39750	40185	40620	41055	41490		
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.94	22.91	22.78	22.95	22.60	22.60	24.5	0
20	QPSK	1	49	22.81	22.82	22.71	22.79	22.84	22.76		
20	QPSK	1	99	22.78	22.82	22.90	22.78	22.79	22.88		
20	QPSK	50	0	21.86	21.86	21.73	22.00	21.70	21.78	23.5	1
20	QPSK	50	24	21.88	21.83	21.85	21.83	21.68	21.63		
20	QPSK	50	50	21.94	21.96	21.87	21.95	21.65	21.91		
20	QPSK	100	0	21.89	21.84	21.86	22.02	21.72	21.73	23.5	1
20	16QAM	1	0	21.79	21.86	21.73	21.83	21.84	21.88		
20	16QAM	1	49	21.74	21.89	21.68	21.69	21.87	21.83		
20	16QAM	1	99	21.89	21.86	21.86	21.82	21.89	21.76	22.5	2
20	16QAM	50	0	20.84	20.86	20.89	20.73	20.67	20.70		
20	16QAM	50	24	20.74	20.93	20.83	20.90	20.66	20.72		
20	16QAM	50	50	20.87	20.89	20.85	20.86	20.76	20.65	22.5	2
20	16QAM	100	0	20.97	21.02	20.92	20.87	20.94	20.70		
20	64QAM	1	0	20.86	20.76	21.00	20.82	20.71	20.99		
20	64QAM	1	49	20.98	21.02	20.78	20.88	20.76	20.86	22.5	2
20	64QAM	1	99	20.89	20.94	20.96	21.03	20.85	20.91		
20	64QAM	50	0	19.91	19.74	19.95	19.82	19.68	19.86		
20	64QAM	50	24	19.99	19.91	19.86	19.88	19.72	19.75	21.5	3
20	64QAM	50	50	19.94	19.91	19.85	19.92	19.79	19.61		
20	64QAM	100	0	19.97	19.95	19.76	19.88	19.66	19.75		
20	256QAM	1	0	17.92	18.04	17.87	18.10	17.72	17.75	19.5	5
20	256QAM	1	49	17.90	17.86	17.74	17.81	17.86	17.88		
20	256QAM	1	99	17.96	17.80	17.89	17.85	17.94	17.94		
20	256QAM	50	0	17.89	17.85	17.88	18.10	17.80	17.83	19.5	5
20	256QAM	50	24	18.03	18.00	17.99	17.93	17.83	17.71		
20	256QAM	50	50	18.01	18.00	18.01	17.94	17.76	17.98		
20	256QAM	100	0	18.00	17.90	17.90	18.01	17.89	17.76		
Channel				39768	39725	40183	41058	41515			
Frequency (MHz)				2607.5	2603.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	22.90	22.80	22.68	22.76	22.53	22.88	24.50	0
15	QPSK	1	37	22.76	22.70	22.61	22.74	22.78	22.68		
15	QPSK	1	74	22.65	22.72	22.76	22.63	22.61	22.75		
15	QPSK	36	0	21.73	21.82	21.80	21.79	21.62	21.68	23.5	1
15	QPSK	36	20	21.80	21.73	21.80	21.67	21.55	21.50		
15	QPSK	36	39	21.77	21.84	21.73	21.77	21.52	21.80		
15	QPSK	75	0	21.85	21.76	21.81	21.75	21.68	21.57	23.5	1
15	16QAM	1	0	21.67	21.79	21.57	21.71	21.79	21.76		
15	16QAM	1	37	21.65	21.74	21.58	21.63	21.78	21.77		
15	16QAM	1	74	21.85	21.72	21.72	21.64	21.73	21.70	22.5	2
15	16QAM	36	0	20.71	20.80	20.73	20.62	20.63	20.59		
15	16QAM	36	20	20.67	20.89	20.75	20.83	20.53	20.64		
15	16QAM	36	39	20.70	20.81	20.71	20.69	20.65	20.58	22.5	2
15	16QAM	75	0	20.83	20.88	20.83	20.73	20.88	20.63		
15	64QAM	1	0	20.71	20.62	20.87	20.72	20.62	20.77		
15	64QAM	1	37	20.83	20.98	20.68	20.77	20.70	20.89	22.5	2
15	64QAM	1	74	20.77	20.83	20.75	20.97	20.83	20.86		
15	64QAM	36	0	19.76	19.58	19.80	19.77	19.61	19.80		
15	64QAM	36	20	19.83	19.73	19.72	19.82	19.58	19.68	21.5	3
15	64QAM	36	39	19.89	19.76	19.70	19.86	19.66	19.56		
15	64QAM	75	0	19.89	19.78	19.70	19.73	19.54	19.57		
15	256QAM	1	0	17.89	17.84	17.83	17.83	17.67	17.88	19.5	5
15	256QAM	1	37	17.90	17.82	17.82	17.82	17.62	17.74		
15	256QAM	1	74	17.71	17.85	17.84	17.73	17.71	17.97		
15	256QAM	36	0	17.75	17.87	17.82	17.79	17.74	17.75	19.5	5
15	256QAM	36	20	17.93	17.81	17.85	17.83	17.76	17.69		
15	256QAM	36	39	17.81	17.88	17.90	17.84	17.72	18.01		
15	256QAM	75	0	18.06	18.00	17.87	18.11	17.88	17.95		
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2501	2547	2593	2639	2685		
10	QPSK	1	0	22.83	22.85	22.62	22.75	22.88	22.50		
10	QPSK	1	25	22.74	22.76	22.66	22.73	22.74	22.68	24.50	0
10	QPSK	1	49	22.69	22.69	22.79	22.69	22.67	22.75		
10	QPSK	25	0	21.76	21.91	21.68	21.68	21.58	21.61		
10	QPSK	25	12	21.79	21.90	21.68	21.72	21.58	21.58	23.5	1
10	QPSK	25	25	21.78	21.90	21.78	21.88	21.53	21.74		
10	QPSK	50	0	21.91	21.79	21.79	21.74	21.66	21.64		
10	16QAM	1	0	21.70	21.80	21.66	21.74	21.68	21.82	23.5	1
10	16QAM	1	25	21.63	21.78	21.57	21.58	21.72	21.71		
10	16QAM	1	49	21.83	21.76	21.70	21.73	21.77	21.68		
10	16QAM	25	0	20.73	20.80	20.78	20.62	20.63	20.53	22.5	2
10	16QAM	25	12	20.63	20.76	20.67	20.75	20.56	20.63		
10	16QAM	25	25	20.75	20.77	20.70	20.72	20.66	20.54		
10	16QAM	50	0	20.82	20.89	20.80	20.78	20.86	20.57	22.5	2
10	64QAM	1	0	20.75	20.58	20.94	20.73	20.61	20.75		
10	64QAM	1	25	20.85	20.87	20.84	20.80	20.67	20.88		
10	64QAM	1	49	20.72	20.80	20.89	20.79	20.74	20.82	22.5	2
10	64QAM	25	0	19.82	19.69	19.75	19.77	19.51	19.78		
10	64QAM	25	12	19.88	19.78	19.78	19.79	19.55	19.57		
10	64QAM	25	25	19.84	19.77	19.70	19.78	19.65	19.55	21.5	3
10	64QAM	50	0	19.90	19.87	19.70	19.71	19.56	19.68		
10	256QAM	1	0	18.01	17.84	17.65	17.85	17.73	17.69		
10	256QAM	1	25	17.81	17.97	17.83	17.94	17.87	17.88	19.5	5
10	256QAM	1	49	17.70	17.82	18.00	17.84	17.74	17.75		
10	256QAM	25	0	17.77	17.90	17.76	17.84	17.67	17.75		
10	256QAM	25	12	17.99	17.81	17.85	17.93	17.62	17.68	19.5	5
10	256QAM	25	25	17.78	17.98	17.90	18.00	17.73	17.82		
10	256QAM	50	0	17.92	17.86	17.97	17.79	17.81	17.80		
Channel				39718	39675	40620	41058	41555		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2602.5	2499.5	2545.5	2593	2640.30	2687.5		
5	QPSK	1	0	22.84	22.83	22.73	22.83	22.53	22.54		
5	QPSK	1	12	22.74	22.67	22.64	22.64	22.73	22.66		
5	QPSK	1	24	22.66	22.65	22.84	22.66	22.67	22.76		
5	QPSK	12	0	21.77	21.85	21.58	21.82	21.64	21.67	23.5	1
5	QPSK	12	7	21.86	21.76	21.78	21.67	21.51	21.55		
5	QPSK	12	13	21.83	21.79	21.72	21.89	21.54	21.87		
5	QPSK	25	0	21.87	21.75	21.74	21.81	21.64	21.60	23.5	1
5	16QAM	1	0	21.70	21.78	21.55	21.73	21.71	21.72		
5	16QAM	1	12	21.63	21.79	21.64	21.57	21.70	21.77		
5	16QAM	1	24	21.76	21.70	21.73	21.74	21.75	21.65	22.5	2
5	16QAM	12	0	20.73	0	20.78	20.67	20.56	20.64		
5	16QAM	12	7	20.57	20.84	20.88	20.84	20.56	20.55		
5	16QAM	12	13	20.75	20.80	20.70	20.74	20.58	20.51	22.5	2
5	19QAM	25	0	20.93	20.96	20.90	20.74	20.88	20.63		
5	64QAM	1	0	20.73	20.59	20.94	20.77	20.58	20.78		
5	64QAM	1	12	20.91	20.94	20.63	20.82	20.64	20.79	22.5	2
5	64QAM	1	24	20.77	20.84	20.70	20.92	20.80	20.76		
5	64QAM	12	0	19.83	19.66	19.79	19.72	19.63	19.76		
5	64QAM	12	7	19.90	19.66	19.70	19.73	19.50	19.63	21.5	3
5	64QAM	12	13	19.90	19.78	19.70	19.86	19.61	19.52		
5	64QAM	25	0	19.82	19.84	19.61	19.72	19.58	19.62		
5	256QAM	1	0	18.06	17.79	17.74	18.05	17.74	17.69	19.5	5
5	256QAM	1	12	17.75	17.68	17.72	17.65	17.78	17.91		
5	256QAM	1	24	17.78	17.71	17.83	17.77	17.76	17.83		
5	256QAM	12	0	17.79	17.96	17.76	18.00	17.73	17.78	19.5	5
5	256QAM	12	7	17.87	17.86	17.77	17.88	17.64	17.69		
5	256QAM	12	13	18.03	17.94	17.84	18.02	17.67	17.92		
5	256QAM	25	0	17.88	17.83	17.73	17.91	17.82	17.79		

GSM850 Ant1 Default

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM T1 Tx slot	33.01	33.08	33.02	34.00	24.01	24.08	24.02	25.00
GPRS 1 Tx slot	32.88	32.85	32.86	34.00	23.88	23.85	23.86	25.00
GPRS 2 Tx slots	29.77	29.51	29.75	31.00	23.77	23.51	23.75	25.00
GPRS 3 Tx slots	27.92	27.71	27.94	29.00	23.66	23.45	23.68	24.74
GPRS 4 Tx slots	26.28	26.48	26.10	28.00	23.28	23.48	23.10	25.00
EDGE 1 Tx slot	26.77	26.92	26.90	28.00	17.77	17.92	17.90	19.00
EDGE 2 Tx slots	23.84	23.70	23.67	25.00	17.84	17.70	17.67	19.00
EDGE 3 Tx slots	21.90	22.18	22.16	23.50	17.64	17.92	17.90	19.24
EDGE 4 Tx slots	20.38	20.68	20.72	22.00	17.38	17.68	17.72	19.00

WCDMA V Ant1 Default

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2kbps	24.23	24.29	24.16	25.00
3GPP Rel 99	RMC 12.2kbps	24.29	24.36	24.24	25.00
3GPP Rel 6	HSDPA Subtest-1	23.42	23.42	23.28	24.00
3GPP Rel 6	HSDPA Subtest-2	23.46	23.41	23.32	24.00
3GPP Rel 6	HSDPA Subtest-3	22.93	22.88	22.81	23.50
3GPP Rel 6	HSDPA Subtest-4	22.94	22.89	22.70	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.32	23.40	23.26	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.30	23.41	23.14	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.81	22.73	22.77	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.81	22.91	22.74	23.50
3GPP Rel 6	HSUPA Subtest-1	23.40	23.37	23.31	24.00
3GPP Rel 6	HSUPA Subtest-2	21.39	21.41	21.31	22.00
3GPP Rel 6	HSUPA Subtest-3	22.36	22.27	22.30	23.00
3GPP Rel 6	HSUPA Subtest-4	21.39	21.34	21.28	22.00
3GPP Rel 6	HSUPA Subtest-5	23.40	23.40	23.30	24.00

Band 5 Ant1 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.28	24.31	24.26	25.7	0				
10	QPSK	1	25	24.27	24.29	24.30						
10	QPSK	1	49	24.20	24.23	24.25						
10	QPSK	25	0	23.31	23.41	23.33						
10	QPSK	25	12	23.40	23.32	23.34						
10	QPSK	25	25	23.35	23.36	23.39	24.7	1				
10	QPSK	50	0	23.31	23.39	23.38						
10	16QAM	1	0	23.23	23.33	23.26						
10	16QAM	1	25	23.21	23.30	23.21						
10	16QAM	1	49	23.25	23.26	23.23						
10	16QAM	25	0	22.32	22.31	22.34	23.7	2				
10	16QAM	25	12	22.42	22.36	22.43						
10	16QAM	25	25	22.38	22.40	22.37						
10	16QAM	50	0	22.40	22.31	22.41						
10	64QAM	1	0	22.44	22.47	22.48						
10	64QAM	1	25	22.51	22.48	22.46	23.7	2				
10	64QAM	1	49	22.41	22.36	22.40						
10	64QAM	25	0	21.33	21.33	21.34						
10	64QAM	25	12	21.42	21.34	21.45						
10	64QAM	25	25	21.37	21.35	21.37						
10	64QAM	50	0	21.40	21.32	21.41	22.7	3				
10	256QAM	1	0	19.26	19.29	19.27						
10	256QAM	1	25	19.32	19.25	19.40						
10	256QAM	1	49	19.28	19.26	19.16						
10	256QAM	25	0	19.36	19.48	19.34						
10	256QAM	25	12	19.32	19.32	19.44	20.7	5				
10	256QAM	25	25	19.38	19.44	19.35						
10	256QAM	50	0	19.30	19.27	19.20						
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.25	24.27	24.27	25.7	0				
5	QPSK	1	12	24.27	24.28	24.28						
5	QPSK	1	24	24.28	24.23	24.30						
5	QPSK	12	7	23.35	23.36	23.38						
5	QPSK	12	13	23.34	23.35	23.35						
5	QPSK	25	0	23.36	23.37	23.29	24.7	1				
5	16QAM	1	0	23.30	23.31	23.25						
5	16QAM	1	12	23.30	23.32	23.37						
5	16QAM	1	24	23.23	23.31	23.22						
5	16QAM	12	0	22.33	22.33	22.35						
5	16QAM	12	7	22.41	22.40	22.45	23.7	2				
5	16QAM	12	13	22.42	22.39	22.41						
5	16QAM	25	0	22.35	22.39	22.29						
5	16QAM	25	0	22.53	22.50	22.48						
5	64QAM	1	12	22.55	22.50	22.47						
5	64QAM	1	24	22.46	22.46	22.56	23.7	2				
5	64QAM	12	0	21.36	21.31	21.36						
5	64QAM	12	7	21.41	21.40	21.41						
5	64QAM	12	13	21.38	21.35	21.41						
5	64QAM	25	0	21.38	21.30	21.28						
5	256QAM	1	0	19.16	19.25	19.25	20.7	5				
5	256QAM	1	12	19.19	19.29	19.21						
5	256QAM	1	24	19.31	19.20	19.40						
5	256QAM	12	0	19.34	19.37	19.25						
5	256QAM	12	7	19.37	19.40	19.31						
5	256QAM	12	13	19.27	19.37	19.37	23.7	2				
5	256QAM	25	0	19.47	19.30	19.23						
Channel												
Frequency (MHz)												
3	QPSK	1	0	24.22	24.26	24.25				25.7	0	
3	QPSK	1	8	24.30	24.29	24.29						
3	QPSK	1	14	24.21	24.22	24.22						
3	QPSK	8	0	23.34	23.28	23.29						
3	QPSK	8	4	23.35	23.35	23.36						
3	QPSK	8	7	23.33	23.34	23.34	24.7	1				
3	QPSK	15	0	23.32	23.23	23.32						
3	16QAM	1	0	23.36	23.39	23.39						
3	16QAM	1	8	23.50	23.52	23.49						
3	16QAM	1	14	23.47	23.40	23.48						
3	16QAM	8	0	22.40	22.32	22.35	23.7	2				
3	16QAM	8	4	22.45	22.44	22.46						
3	16QAM	8	7	22.43	22.44	22.42						
3	16QAM	15	0	22.39	22.28	22.42						
3	64QAM	1	0	22.51	22.44	22.43						
3	64QAM	1	8	22.51	22.46	22.58	23.7	2				
3	64QAM	1	14	22.39	22.47	22.46						
3	64QAM	8	0	21.41	21.31	21.32						
3	64QAM	8	4	21.41	21.36	21.36						
3	64QAM	8	7	21.37	21.34	21.37						
3	64QAM	15	0	21.36	21.27	21.36	20.7	5				
3	256QAM	1	0	19.22	19.35	19.20						
3	256QAM	1	8	19.20	19.35	19.23						
3	256QAM	1	14	19.32	19.29	19.25						
3	256QAM	8	0	19.30	19.27	19.33						
3	256QAM	8	4	19.25	19.47	19.46	20.7	5				
3	256QAM	8	7	19.24	19.31	19.39						
3	256QAM	15	0	19.31	19.23	19.29						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	24.11	24.12	24.21	25.7	0				
1.4	QPSK	1	3	24.25	24.29	24.18						
1.4	QPSK	1	5	24.10	24.23	24.18						
1.4	QPSK	3	0	24.07	24.23	24.10						
1.4	QPSK	3	1	24.30	24.16	24.07						
1.4	QPSK	3	1	24.18	24.24	24.01	24.7	1				
1.4	QPSK	6	0	23.20	23.08	23.16						
1.4	16QAM	1	0	23.23	23.19	23.23						
1.4	16QAM	1	3	23.20	23.26	23.31						
1.4	16QAM	1	5	23.11	23.20	23.24						
1.4	16QAM	3	0	23.36	23.26	23.24	23.7	2				
1.4	16QAM	3	1	23.42	23.39	23.46						
1.4	16QAM	3	3	23.44	23.37	23.27						
1.4	16QAM	6	0	22.34	22.26	22.22						
1.4	64QAM	1	0	22.29	22.28	22.41						
1.4	64QAM	1	3	22.38	22.31	22.36	23.7	2				
1.4	64QAM	1	5	22.23	22.20	22.26						
1.4	64QAM	3	0	22.41	22.23	22.42						
1.4	64QAM	3	1	22.53	22.48	22.57						
1.4	64QAM	3	3	22.41	22.30	22.32						
1.4	64QAM	6	0	21.38	21.25	21.28	22.7	3				
1.4	256QAM	1	0	19.17	19.01	19.11						
1.4	256QAM	1	3	19.29	19.27	19.08						
1.4	256QAM	1	5	19.02	19.21	19.03						
1.4	256QAM	3	0	19.05	19.21	19.13						
1.4	256QAM	3	1	19.30	19.25	19.03	20.7	5				
1.4	256QAM	3	3	19.27	19.27	19.07						
1.4	256QAM	6	0	19.14	19.08	19.11						

Band 12 Ant1 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.34	24.41	24.29	25.7	0	
10	QPSK	1	25	24.44	24.39	24.33			
10	QPSK	1	49	24.45	24.43	24.45			
10	QPSK	25	0	23.48	23.54	23.44			
10	QPSK	25	12	23.53	23.50	23.46			
10	QPSK	25	25	23.49	23.52	23.47	24.7	1	
10	QPSK	50	0	23.48	23.53	23.45			
10	16QAM	1	0	23.59	23.49	23.55	24.7	1	
10	16QAM	1	25	23.49	23.56	23.57			
10	16QAM	1	25	23.39	23.45	23.38			
10	16QAM	25	0	22.43	22.46	22.45			
10	16QAM	25	12	22.57	22.53	22.48			
10	16QAM	25	25	22.57	22.53	22.54	23.7	2	
10	16QAM	50	0	22.82	22.49	22.46			
10	64QAM	1	0	22.84	22.48	22.51			
10	64QAM	1	25	22.70	22.65	22.53	23.7	2	
10	64QAM	1	49	22.66	22.65	22.60			
10	64QAM	25	0	21.66	21.65	21.63			
10	64QAM	25	12	21.55	21.54	21.48	22.7	3	
10	64QAM	25	25	21.53	21.51	21.52			
10	256QAM	50	0	21.50	21.50	21.52			
10	256QAM	1	0	19.31	19.31	19.38	20.7	5	
10	256QAM	1	25	19.40	19.36	19.39			
10	256QAM	1	49	19.55	19.34	19.45			
10	256QAM	25	0	19.54	19.56	19.52			
10	256QAM	25	12	19.54	19.53	19.48			
10	256QAM	25	25	19.53	19.59	19.43			
10	256QAM	50	0	19.42	19.64	19.49			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.36	24.43	24.37	25.7	0	
5	QPSK	1	12	24.40	24.38	24.45			
5	QPSK	1	24	24.39	24.42	24.39			
5	QPSK	12	0	23.50	23.49	23.43			
5	QPSK	12	7	23.50	23.50	23.50			
5	QPSK	12	13	23.45	23.44	23.45	24.7	1	
5	QPSK	25	0	23.48	23.45	23.48			
5	16QAM	1	0	23.31	23.32	23.28	24.7	1	
5	16QAM	1	12	23.54	23.44	23.58			
5	16QAM	1	24	23.42	23.39	23.39			
5	16QAM	12	0	22.45	22.48	22.46			
5	16QAM	12	13	22.52	22.50	22.55			
5	16QAM	12	13	22.52	22.50	22.55	23.7	2	
5	16QAM	25	0	22.62	22.66	22.59			
5	64QAM	1	0	22.62	22.66	22.62	23.7	2	
5	64QAM	1	24	22.66	22.57	22.61			
5	64QAM	12	0	21.45	21.45	21.45			
5	64QAM	12	7	21.54	21.53	21.52	22.7	3	
5	64QAM	12	13	21.52	21.51	21.50			
5	64QAM	25	0	21.52	21.48	21.48			
5	256QAM	1	0	19.42	19.47	19.39	20.7	5	
5	256QAM	1	12	19.42	19.45	19.38			
5	256QAM	1	24	19.32	19.41	19.39			
5	256QAM	12	0	19.51	19.33	19.34			
5	256QAM	12	7	19.52	19.54	19.38			
5	256QAM	12	13	19.51	19.52	19.43	20.7	5	
5	256QAM	25	0	19.51	19.46	19.39			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.34	24.32	24.34	25.7	0	
3	QPSK	1	24	24.42	24.42	24.42			
3	QPSK	1	14	24.35	24.33	24.34			
3	QPSK	8	0	23.51	23.43	23.43			
3	QPSK	8	4	23.53	23.50	23.50			
3	QPSK	8	10	23.47	23.45	23.46	24.7	1	
3	QPSK	15	0	23.49	23.48	23.39			
3	16QAM	1	0	23.41	23.42	23.42	24.7	1	
3	16QAM	1	8	23.58	23.53	23.60			
3	16QAM	1	16	23.45	23.45	23.38			
3	16QAM	8	0	22.61	22.63	22.51			
3	16QAM	8	4	22.62	22.61	22.59	23.7	2	
3	16QAM	8	7	22.68	22.66	22.63			
3	16QAM	15	0	22.58	22.59	22.63			
3	64QAM	1	0	22.59	22.63	22.51			
3	64QAM	1	8	22.66	22.61	22.53	23.7	2	
3	64QAM	1	16	22.51	22.46	22.56			
3	64QAM	1	24	21.60	21.44	21.46			
3	64QAM	8	4	21.57	21.65	21.51			
3	64QAM	8	7	21.52	21.48	21.50	24.7	3	
3	256QAM	15	0	21.78	21.61	21.48			
3	256QAM	1	0	19.45	19.21	19.37	20.7	5	
3	256QAM	1	8	19.53	19.34	19.49			
3	256QAM	1	14	19.27	19.31	19.38			
3	256QAM	8	0	19.52	19.38	19.53			
3	256QAM	8	4	19.53	19.51	19.48			
3	256QAM	8	7	19.51	19.34	19.53	20.7	5	
3	256QAM	15	0	19.46	19.36	19.31			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.21	24.32	24.23	25.7	0	
1.4	QPSK	1	3	24.26	24.36	24.38			
1.4	QPSK	1	5	24.36	24.37	24.32			
1.4	QPSK	1	0	24.29	24.32	24.32			
1.4	QPSK	3	1	24.40	24.42	24.41			
1.4	QPSK	3	3	24.30	24.22	24.33	24.7	1	
1.4	QPSK	6	0	23.39	23.48	23.42			
1.4	16QAM	1	0	23.29	23.40	23.42			
1.4	16QAM	1	3	23.37	23.32	23.47	24.7	1	
1.4	16QAM	1	5	23.39	23.32	23.42			
1.4	16QAM	3	1	23.31	23.32	23.38	24.7	1	
1.4	16QAM	3	1	23.44	23.37	23.59			
1.4	16QAM	3	3	23.41	23.30	23.27	23.7	2	
1.4	16QAM	6	0	22.29	22.56	22.24			
1.4	64QAM	1	0	22.31	22.42	22.50			
1.4	64QAM	1	3	22.45	22.49	22.46			
1.4	64QAM	1	5	22.37	22.40	22.29	23.7	2	
1.4	64QAM	3	0	22.46	22.52	22.39			
1.4	64QAM	3	1	22.47	22.47	22.48			
1.4	64QAM	3	3	22.51	22.36	22.43			
1.4	64QAM	6	0	21.47	21.41	21.41	22.7	3	
1.4	256QAM	1	0	19.24	19.29	19.16			
1.4	256QAM	1	3	19.36	19.35	19.40			
1.4	256QAM	1	5	19.38	19.34	19.52			
1.4	256QAM	3	0	19.15	19.34	19.34			
1.4	256QAM	6	0	19.15	19.37	19.30	20.7	5	

Band 17 Ant1 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (dBm)	Power Mode Ch (dBm)	Power High Ch (dBm)	Turn-up Init (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.26	24.36	24.27	25.7	0				
10	QPSK	1	25	24.35	24.31	24.35						
10	QPSK	1	49	24.28	24.30	24.26						
10	QPSK	25	0	23.37	23.45	23.38						
10	QPSK	25	12	23.34	23.37	23.41						
10	QPSK	25	25	23.39	23.39	23.37	24.7	1				
10	QPSK	50	0	23.41	23.42	23.32						
10	16QAM	1	0	23.63	23.70	23.64						
10	16QAM	1	25	23.56	23.74	23.63						
10	16QAM	1	49	23.71	23.69	23.70						
10	16QAM	25	0	22.39	22.38	22.38	23.7	2				
10	16QAM	25	12	22.40	22.40	22.49						
10	16QAM	25	25	22.42	22.43	22.43						
10	16QAM	50	0	22.41	22.33	22.44						
10	64QAM	1	0	22.42	22.40	22.49						
10	64QAM	1	25	22.30	22.40	22.59	23.7	2				
10	64QAM	1	49	22.53	22.51	22.51						
10	64QAM	25	0	21.37	21.37	21.38						
10	64QAM	25	12	21.48	21.41	21.47						
10	64QAM	25	25	21.39	21.40	21.43						
10	256QAM	50	0	21.40	21.34	21.42	22.7	3				
10	256QAM	1	0	19.09	19.29	19.07						
10	256QAM	1	25	18.97	19.31	19.16						
10	256QAM	1	49	19.28	19.08	19.14						
10	256QAM	25	0	19.18	19.29	19.03						
10	256QAM	25	12	19.29	19.29	19.27	20.7	5				
10	256QAM	25	25	19.40	19.37	19.01						
10	256QAM	50	0	19.28	19.10	19.11						
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.32	24.33	24.31	25.7	0				
5	QPSK	1	12	24.31	24.31	24.34						
5	QPSK	1	24	24.23	24.22	24.24						
5	QPSK	12	0	23.33	23.34	23.33						
5	QPSK	12	7	23.38	23.37	23.36						
5	QPSK	12	13	23.31	23.32	23.30	24.7	1				
5	QPSK	25	0	23.36	23.37	23.28						
5	16QAM	1	0	23.05	23.71	23.72						
5	16QAM	1	12	23.69	23.70	23.75						
5	16QAM	1	24	23.57	23.54	23.66						
5	16QAM	12	0	22.38	22.39	22.39	23.7	2				
5	16QAM	12	7	22.43	22.45	22.43						
5	16QAM	12	13	22.37	22.31	22.33						
5	16QAM	25	0	22.57	22.35	22.50						
5	64QAM	1	0	22.49	22.42	22.42						
5	64QAM	1	12	22.50	22.45	22.56	23.7	2				
5	64QAM	1	24	22.43	22.43	22.42						
5	64QAM	12	0	21.26	21.34	21.40						
5	64QAM	12	7	21.42	21.41	21.42						
5	64QAM	12	13	21.33	21.31	21.31						
5	64QAM	25	0	21.35	21.30	21.29	22.7	3				
5	256QAM	1	0	19.08	19.33	19.04						
5	256QAM	1	12	18.96	19.28	19.15						
5	256QAM	1	24	19.22	19.04	19.16						
5	256QAM	12	0	19.18	19.23	19.09						
5	256QAM	12	7	19.26	19.32	19.35	20.7	5				
5	256QAM	12	13	19.38	19.40	19.13						
5	256QAM	25	0	19.28	19.17	19.07						

Band 26 Ant1 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-up Init (dBm)	MPR (dB)				
Channel												
Channel				821.5	831.5	841.5						
15	QPSK	1	0	24.21	24.32	24.30	25.7	0				
15	QPSK	1	37	24.22	24.31	24.28						
15	QPSK	1	74	24.30	24.28	24.26						
15	QPSK	36	0	23.24	23.35	23.27						
15	QPSK	36	20	23.32	23.28	23.34						
15	QPSK	36	39	23.29	23.30	23.34	24.7	1				
15	QPSK	75	0	23.30	23.36	23.29						
15	16QAM	1	0	23.24	23.37	23.45						
15	16QAM	1	37	23.25	23.30	23.41						
15	16QAM	1	74	23.46	23.32	23.33						
15	16QAM	36	0	22.26	22.32	22.31	23.7	2				
15	16QAM	36	20	22.33	22.32	22.36						
15	16QAM	36	39	22.33	22.40	22.35						
15	16QAM	75	0	22.34	22.30	22.36						
15	64QAM	1	0	22.37	22.41	22.44						
15	64QAM	1	37	22.33	22.46	22.50	23.7	2				
15	64QAM	1	74	22.39	22.42	22.48						
15	64QAM	36	0	21.24	21.30	21.28						
15	64QAM	36	20	21.32	21.28	21.36						
15	64QAM	36	39	21.34	21.37	21.36						
15	256QAM	1	0	19.16	19.31	19.09	22.7	3				
15	256QAM	1	37	19.01	19.25	19.11						
15	256QAM	1	74	19.20	19.03	19.15						
15	256QAM	36	0	19.24	19.29	19.02						
15	256QAM	36	20	19.35	19.30	19.29						
15	256QAM	36	39	19.40	19.28	19.11	20.7	5				
15	256QAM	75	0	19.31	19.17	19.06						
Channel												
Channel				819	831.5	844				Turn-up Init (dBm)	MPR (dB)	
10	QPSK	1	0	24.15	24.10	24.22				25.7	0	
10	QPSK	1	25	24.12	24.22	24.15						
10	QPSK	1	49	24.29	24.23	24.07						
10	QPSK	25	0	23.07	23.28	23.24						
10	QPSK	25	12	23.23	23.29	23.16						
10	QPSK	25	25	23.17	23.32	23.31	24.7	1				
10	QPSK	50	0	23.15	23.28	23.28						
10	16QAM	1	0	23.14	23.33	23.26						
10	16QAM	1	25	23.21	23.37	23.19						
10	16QAM	1	49	23.26	23.27	23.27						
10	16QAM	25	0	22.05	22.11	22.13	23.7	2				
10	16QAM	25	12	22.31	22.15	22.17						
10	16QAM	25	25	22.35	22.22	22.27						
10	16QAM	50	0	22.29	22.10	22.14						
10	64QAM	1	0	22.38	22.43	22.36						
10	64QAM	1	25	22.24	22.28	22.32	23.7	2				
10	64QAM	1	49	22.26	22.31	22.44						
10	64QAM	25	0	21.20	21.31	21.08						
10	64QAM	25	12	21.19	21.18	21.31						
10	64QAM	25	25	21.15	21.24	21.33						
10	64QAM	50	0	21.13	21.30	21.16	22.7	3				
10	256QAM	1	0	19.14	19.28	19.03						
10	256QAM	1	25	18.98	19.23	19.11						
10	256QAM	1	49	19.27	19.12	19.15						
10	256QAM	25	0	19.24	19.29	19.13						
10	256QAM	25	12	19.31	19.28	19.28	20.7	5				
10	256QAM	25	25	19.30	19.31	19.02						
10	256QAM	50	0	19.32	19.21	19.05						
Channel												
Channel				26715	26695	27015				Turn-up Init (dBm)	MPR (dB)	
Channel				815.5	831.5	845.5						
5	QPSK	1	0	24.01	24.15	24.19	25.7	0				
5	QPSK	1	12	24.09	24.24	24.16						
5	QPSK	1	24	24.18	24.12	24.05						
5	QPSK	12	0	23.17	23.24	23.19						
5	QPSK	12	7	23.21	23.28	23.23						
5	QPSK	12	13	23.08	23.31	23.19	24.7	1				
5	QPSK	25	0	23.23	23.28	23.19						
5	16QAM	1	0	23.13	23.35	23.27						
5	16QAM	1	12	23.25	23.30	23.41						
5	16QAM	1	24	23.37	23.30	23.19						
5	16QAM	12	0	22.25	22.17	22.28	24.7	1				
5	16QAM	12	7	22.24	22.34	22.30						
5	16QAM	12	13	22.31	22.30	22.41						
5	16QAM	25	0	22.34	22.18	22.30						
5	64QAM	1	0	22.27	22.23	22.39						
5	64QAM	1	12	22.27	22.46	22.31	23.7	2				
5	64QAM	1	24	22.38	22.29	22.41						
5	64QAM	12	0	21.08	21.21	21.01						
5	64QAM	12	7	21.11	21.13	21.19						
5	64QAM	12	13	21.28	21.30	21.17						
5	64QAM	25	0	21.34	21.33	21.37	22.7	3				
5	256QAM	1	0	19.07	19.31	19.04						
5	256QAM	1	12	19.01	19.35	19.17						
5	256QAM	1	24	19.18	19.16	19.12						
5	256QAM	12	0	19.17	19.30	19.12						
5	256QAM	12	7	19.31	19.38	19.27	20.7	5				
5	256QAM	12	13	19.29	19.31	19.14						
5	256QAM	25	0	19.30	19.16	19.05						
Channel												
Channel				26705	26695	27025				Turn-up Init (dBm)	MPR (dB)	
Channel				815.5	831.5	847.5						
3	QPSK	1	0	24.15	24.22	24.23	25.7	0				
3	QPSK	1	8	24.20	24.28	24.22						
3	QPSK	1	16	24.19	24.25	24.17						
3	QPSK	8	0	23.11	23.23	23.20						
3	QPSK	8	4	23.28	23.18	23.13						
3	QPSK	15	0	23.28	23.31	23.11	24.7	1				
3	QPSK	15	0	23.18	23.31	23.11						
3	16QAM	1	0	23.23	23.34	23.24						
3	16QAM	1	8	23.19	23.26	23.25						
3	16QAM	1	16	23.46	23.32	23.33						
3	16QAM	8	0	22.17	22.23	22.29	23.7	2				
3	16QAM	8	4	22.17	22.20	22.32						
3	16QAM	8	7	22.16	22.41	22.32						
3	16QAM	15	0	22.33	22.28	22.38						
3	16QAM	15	0	22.33	22.21	22.44						
3	64QAM	1	8	22.17	22.43	22.50	23.7	2				
3	64QAM	1	14	22.18	22.23	22.28						
3	64QAM	1	22	22.24	22.23	22.38						
3	64QAM	8	4	21.21	21.23	21.31						
3	64QAM	8	7	21.13	21.20	21.25						
3	256QAM	15	0	21.29	21.35	21.24	22.7	3				
3	256QAM	15	0	19.14	19.28	19.18						
3	256QAM	1	8	18.97	19.35	19.13						
3	256QAM	1	14	19.31	19.12	19.14						
3	256QAM	8	0	19.18	19.29	19.12						
3	256QAM	8	7	19.37	19.19	19.13	20.7	5				
3	256QAM	8	7	19.39	19.36	19.13						
3	256QAM	15	0	19.33	19.09	19.09						
Channel												
Channel				26695	26685	27035				Turn-up Init (dBm)	MPR (dB)	
Channel				814.7	831.5	848.3						
1.4	QPSK	1	0	24.00	24.28	24.18	25.7	0				
1.4	QPSK	1	3	24.08	24.25	24.25						
1.4	QPSK	1	5	24.11	24.07	24.07						
1.4	QPSK	3	0	24.19	24.24	24.22						
1.4	QPSK	3	1	24.10	24.23	24.27						
1.4	QPSK	3	3	24.30	24.17	24.25	24.7	1				
1.4	QPSK	6	0	22.27	23.20	23.07						
1.4	QPSK	6	1	22.21	23.23	23.14						
1.4	16QAM	1	3	23.11	23.27	23.16						
1.4	16QAM	1	5	23.15	23.29	23.11						
1.4	16QAM	3	0	23.07	23.29	23.18	24.7	1				
1.4	16QAM	3	3	23.29	23.11	23.25						
1.4	16QAM	6	0	22.25	22.09	22.31						
1.4	16QAM	6	1	22.31	22.27	22.28						
1.4	64QAM	1	3	22.10	22.22	22.24						
1.4	64QAM	1	5	22.29	22.20	22.35	23.7	2				
1.4	64QAM	3	0	22.36	22.22	22.26						
1.4	64QAM	3	1	22.28	22.25	22.28						
1.4	64QAM	6	0	22.40	22.22	22.28						
1.4	64QAM	6	0	21.04	21.24	21.08						
1.4	256QAM	1	0	19.09	19.32	19.05	22.7	3				
1.4	256QAM	1	3	18.96	19.30	19.08						
1.4	256QAM	3	0	19.18	19.30	19.05						
1.4	256QAM	3	1	19.28	19.28	19.35						
1.4	256QAM	3	1	19.37	19.19	19.13						
1.4	256QAM	6	0	19.24	19.11	19.07	20.7	5				

GSM1900 Ant3 Default

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	30.02	29.88	30.01	30.50	21.02	20.88	21.01	21.50
GSM 1 Tx slot	29.93	29.75	29.74	30.50	20.93	20.75	20.74	21.50
GPRS 2 Tx slots	26.76	26.57	26.43	27.50	20.76	20.57	20.43	21.50
GPRS 3 Tx slots	24.57	24.68	24.83	25.50	20.31	20.42	20.57	21.24
GPRS 4 Tx slots	23.31	23.32	23.19	24.50	20.31	20.32	20.19	21.50
EDGE 1 Tx slot	25.73	25.78	25.98	26.50	16.73	16.78	16.98	17.50
EDGE 2 Tx slots	22.45	22.39	22.33	24.00	16.45	16.38	16.33	18.00
EDGE 3 Tx slots	20.60	20.66	20.82	21.50	16.34	16.40	16.56	17.24
EDGE 4 Tx slots	18.92	19.04	19.27	20.50	15.92	16.04	16.27	17.50

WCDMA II Ant3 Default

WCDMA IV Ant3 Default

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
TX Channel	9662	9800	9938		1537	1638	1738	
Rx Channel	1659.4	1680	1697.6		1742.4	1729.3	1752.6	
Frequency (MHz)	23.85	23.87	23.71	25.00	23.80	23.93	23.94	25.00
3GPP Rel 99	23.92	23.93	23.88	25.00	23.84	23.99	23.92	25.00
3GPP Rel 6	22.90	22.74	22.69	24.00	22.76	22.64	22.78	24.00
3GPP Rel 6	22.85	22.78	22.85	24.00	22.68	22.71	22.56	24.00
3GPP Rel 6	22.27	22.10	22.06	23.50	21.88	22.24	21.77	23.50
3GPP Rel 6	21.96	22.18	22.17	23.50	21.91	22.07	22.03	23.50
3GPP Rel 8	22.88	22.69	22.82	24.00	22.71	22.79	22.74	24.00
3GPP Rel 8	22.83	22.85	22.95	24.00	22.65	22.75	22.51	24.00
3GPP Rel 8	22.38	22.08	21.94	23.50	21.80	22.11	21.80	23.50
3GPP Rel 8	22.02	22.30	22.12	23.50	21.99	22.19	21.89	23.50
3GPP Rel 6	22.71	22.69	22.86	24.00	22.73	22.54	22.82	24.00
3GPP Rel 6	20.68	20.80	20.85	22.00	20.86	20.99	20.71	22.00
3GPP Rel 6	21.78	21.76	21.42	23.00	21.64	21.94	21.57	23.00
3GPP Rel 6	20.51	20.66	20.65	22.00	20.46	20.48	20.31	22.00
3GPP Rel 6	23.06	22.66	22.84	24.00	22.91	22.75	22.86	24.00



Band 2 Ant3 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up Time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	24.26	24.26	24.17			25.5	0		
20	QPSK	1	40	24.14	24.14	24.07						
20	QPSK	1	80	24.14	24.07	24.15			24.5	1		
20	QPSK	50	0	23.28	23.30	23.23						
20	QPSK	50	24	23.25	23.22	23.27			24.5	1		
20	QPSK	50	50	23.26	23.24	23.24						
20	HQAM	1	40	23.52	23.52	23.44			24.5	1		
20	HQAM	1	80	23.26	23.18	23.18						
20	HQAM	50	0	22.32	22.21	22.25			23.5	2		
20	HQAM	50	24	22.35	22.25	22.29						
20	HQAM	100	0	22.32	22.20	22.23			23.5	2		
20	HQAM	1	0	22.40	22.44	22.34						
20	HQAM	1	40	22.47	22.51	22.31			23.5	2		
20	HQAM	50	0	21.30	21.26	21.27						
20	HQAM	50	24	21.34	21.22	21.26			22.5	3		
20	HQAM	50	50	21.25	21.24	21.26						
20	HQAM	100	0	21.32	21.21	21.21			20.5	5		
20	HQAM	1	40	19.33	19.18	19.15						
20	SSQAM	1	40	19.33	19.18	19.15			20.5	5		
20	SSQAM	1	80	19.22	19.18	19.22						
20	SSQAM	50	0	19.26	19.18	19.15			20.5	5		
20	SSQAM	50	24	19.26	19.18	19.15						
20	SSQAM	50	50	19.15	19.27	19.28			20.5	5		
20	SSQAM	100	0	19.17	19.28	19.28						
Channel												
Frequency (MHz)												
15	QPSK	1	0	24.26	24.08	24.12			25.5	0		
15	QPSK	1	37	24.07	24.04	24.10						
15	QPSK	1	74	24.11	24.05	24.15			24.5	1		
15	QPSK	36	0	23.22	23.19	23.12						
15	QPSK	36	20	23.13	23.12	23.15			24.5	1		
15	QPSK	36	36	23.08	23.02	23.28						
15	QPSK	75	0	23.05	23.18	23.23			24.5	1		
15	HQAM	1	0	23.13	23.14	23.12						
15	HQAM	1	37	23.48	23.38	23.21			24.5	1		
15	HQAM	1	74	23.16	23.06	23.07						
15	HQAM	36	0	22.08	22.00	22.14			23.5	2		
15	HQAM	36	20	22.35	22.25	22.10						
15	HQAM	36	36	22.26	22.26	22.22			23.5	2		
15	HQAM	75	0	22.36	22.05	22.18						
15	HQAM	1	0	22.22	22.20	22.23			23.5	2		
15	HQAM	37	0	22.26	22.26	22.22						
15	HQAM	1	74	22.14	22.17	22.15			23.5	2		
15	HQAM	36	0	21.23	21.29	21.24						
15	HQAM	36	20	21.13	21.26	21.22			22.5	3		
15	HQAM	36	36	21.27	21.27	21.32						
15	HQAM	75	0	21.20	21.18	21.04			20.5	5		
15	HQAM	1	0	19.15	19.05	19.05						
15	SSQAM	1	37	19.27	19.02	19.24			20.5	5		
15	SSQAM	1	74	19.04	19.11	19.13						
15	SSQAM	36	0	19.24	19.26	19.24			20.5	5		
15	SSQAM	36	20	19.19	19.21	19.12						
15	SSQAM	36	36	19.12	19.08	19.28			20.5	5		
15	SSQAM	75	0	19.18	19.27	19.25						
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.14	24.03	24.12			25.5	0		
10	QPSK	1	25	24.26	23.98	24.21						
10	QPSK	1	49	23.92	23.84	23.97			24.5	1		
10	QPSK	25	0	23.19	23.19	23.20						
10	QPSK	25	12	23.19	23.16	23.18			24.5	1		
10	QPSK	25	25	23.28	23.15	23.18						
10	HQAM	1	0	23.33	23.31	23.27			24.5	1		
10	HQAM	1	25	23.54	23.42	23.30						
10	HQAM	1	49	23.16	23.06	23.07			23.5	2		
10	HQAM	25	0	22.17	22.26	22.19						
10	HQAM	25	12	22.26	22.00	22.18			23.5	2		
10	HQAM	25	25	22.05	22.26	22.12						
10	HQAM	50	0	22.07	22.14	22.07			23.5	2		
10	HQAM	1	0	22.22	22.41	22.34						
10	HQAM	1	25	22.35	22.27	22.25			22.5	3		
10	HQAM	1	49	22.19	22.18	22.28						
10	HQAM	25	0	21.34	21.19	21.15			22.5	3		
10	HQAM	25	12	21.24	21.13	21.13						
10	HQAM	25	25	21.08	21.14	21.24			20.5	5		
10	HQAM	50	0	21.33	20.99	21.22						
10	SSQAM	1	0	19.05	19.05	19.05			20.5	5		
10	SSQAM	1	25	19.17	19.38	19.22						
10	SSQAM	1	49	19.00	18.89	19.06			20.5	5		
10	SSQAM	1	25	19.08	19.15	19.25						
10	SSQAM	25	12	19.15	19.26	19.19			20.5	5		
10	SSQAM	25	25	19.35	19.23	19.28						
10	SSQAM	50	0	19.29	19.23	19.22			20.5	5		
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.14	24.03	24.12			25.5	0		
5	QPSK	1	12	24.11	24.08	24.28						
5	QPSK	1	24	24.04	24.05	24.06			24.5	1		
5	QPSK	12	0	23.08	23.29	23.17						
5	QPSK	12	7	23.23	23.19	23.30			24.5	1		
5	QPSK	12	13	23.15	23.18	23.08						
5	QPSK	25	0	23.14	23.06	23.12			24.5	1		
5	HQAM	1	0	23.37	23.31	23.08						
5	HQAM	1	12	23.52	23.39	23.39			24.5	1		
5	HQAM	1	24	23.02	23.18	23.05						
5	HQAM	12	0	22.15	22.07	22.18			23.5	2		
5	HQAM	12	7	22.28	22.09	22.20						
5	HQAM	12	14	22.07	22.26	22.07			23.5	2		
5	HQAM	25	0	22.18	22.16	22.23						
5	HQAM	1	0	22.44	22.44	22.15			23.5	2		
5	HQAM	1	12	22.48	22.52	22.30						
5	HQAM	1	24	22.08	22.16	22.32			22.5	3		
5	HQAM	12	0	21.26	21.15	21.29						
5	HQAM	12	7	21.15	20.97	21.15			22.5	3		
5	HQAM	12	13	21.01	21.22	21.11						
5	HQAM	25	0	21.18	21.12	21.10			20.5	5		
5	SSQAM	1	0	19.22	19.23	19.09						
5	SSQAM	1	12	19.99	19.16	19.25			20.5	5		
5	SSQAM	1	24	19.12	19.03	19.03						
5	SSQAM	12	0	19.18	19.26	19.27			20.5	5		
5	SSQAM	12	7	19.29	19.28	19.19						
5	SSQAM	12	13	19.21	19.24	19.14			20.5	5		
5	SSQAM	25	0	19.23	19.03	19.01						
Channel												
Frequency (MHz)												
3	QPSK	1	0	24.08	24.12	24.03			25.5	0		
3	QPSK	1	8	24.22	24.07	24.11						
3	QPSK	1	14	24.12	24.00	23.90			24.5	1		
3	QPSK	8	0	23.26	23.20	23.14						
3	QPSK	8	4	23.26	22.99	23.08			24.5	1		
3	QPSK	8	7	23.03	23.21	23.15						
3	QPSK	16	0	23.14	23.23	23.10			24.5	1		
3	HQAM	1	0	23.24	23.32	23.29			24.5	1		
3	HQAM	1	8	23.32	23.27	23.21						
3	HQAM	1	14	23.25	23.04	23.30			23.5	2		
3	HQAM	8	0	22.25	22.25	22.25						
3	HQAM	8	4	22.20	22.19	22.06			23.5	2		
3	HQAM	8	7	22.12	22.21	22.17						
3	HQAM	1	0	22.44	22.44	22.15			23.5	2		
3	HQAM	1	8	22.28	22.42	22.14						
3	HQAM	1	14	22.28	22.33	22.12			23.5	2		
3	HQAM	8	0	21.17	21.17	21.32						
3	HQAM	8	4	21.08	21.21	21.12			22.5	3		
3	HQAM	8	7	21.02	21.18	21.12						
3	HQAM	16	0	21.27	21.00	21.15			20.5	5		
3	HQAM	1	0	19.23	19.23	19.09						
3	SSQAM	1	14	19.14	19.01	19.06			20.5	5		
3	SSQAM	1	8	19.25	19.25	19.23						
3	SSQAM	8	4	19.25	19.05	19.05			20.5	5		
3	SSQAM	8	7	19.09	19.30	19.11						
3	SSQAM	16	0	19.17	19.27	19.08			20.5	5		
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	24.08	24.08	24.00			25.5	0		
1.4	QPSK	1	3	24.08	23.96	24.09						
1.4	QPSK	1	5	23.91	23.91	23.78			24.5	1		
1.4	QPSK	1	10	23.86	23.86	23.82						
1.4	QPSK	3	1	23.89	23.84	23.62			24.5	1		
1.4	QPSK	3	3	23.94	23.90	23.87						
1.4	HQAM	1	0	23.12	23.05	23.17			24.5	1		
1.4	HQAM	1	3	23.86	23.81	23.85						
1.4	HQAM	3	0	23.86	23.86	23.83			24.5	1		
1.4	HQAM	3	1	23.12	23.04	23.04						
1.4	HQAM	3	1	23.12	23.00	22.83			23.5	2		
1.4	HQAM	6	0	22.01	22.08	22.06						
1.4	HQAM	1	0	22.13	21.99	22.11			23.5	2		
1.4	HQAM	1	3	22.12	21.92	21.84						
1.4	HQAM	1	5	22.05	22.19	22.17			23.5	2		
1.4	HQAM	3	0	22.35	22.22	22.29						
1.4	HQAM	3	1	22.18	22.18	22.12			22.5	3		
1.4	HQAM	3	3	21.88	22.05	22.28						
1.4	HQAM	6	0	21								



Band 25 Ant3 Default														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up Init (dBm)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	24.27	24.30	24.24	25.5	0						
20	QPSK	1	49	24.23	24.22	24.13								
20	QPSK	1	99	24.15	24.08	24.13								
20	QPSK	50	0	23.26	23.31	23.17	24.5	1						
20	QPSK	50	24	23.25	23.20	23.15								
20	QPSK	50	50	23.25	23.23	23.19								
20	16QAM	1	49	23.54	23.32	23.32	24.5	1						
20	16QAM	1	99	23.19	23.20	23.27								
20	16QAM	50	0	22.24	22.24	22.18								
20	16QAM	50	24	22.33	22.31	22.17	23.5	2						
20	16QAM	50	50	22.26	22.22	22.23								
20	16QAM	100	0	22.29	22.28	22.15								
20	256QAM	1	0	19.11	19.11	19.05	20.5	5						
20	256QAM	1	49	18.55	18.34	18.14								
20	256QAM	1	99	19.25	19.08	19.08								
20	256QAM	50	0	19.16	19.25	19.25	20.5	5						
20	256QAM	50	24	19.35	19.20	19.31								
20	256QAM	50	50	19.29	19.38	19.08								
Channel														
Frequency (MHz)														
15	QPSK	1	0	24.10	24.16	24.07	25.5	0						
15	QPSK	1	37	24.05	24.07	24.05								
15	QPSK	1	74	24.13	24.06	24.03								
15	QPSK	36	0	23.12	22.97	22.88	24.5	1						
15	QPSK	36	20	23.22	23.11	23.09								
15	QPSK	36	36	23.04	23.18	23.00								
15	QPSK	75	0	23.04	23.23	22.92	24.5	1						
15	QPSK	75	0	23.19	23.32	23.05								
15	16QAM	1	37	23.30	23.18	23.18								
15	16QAM	1	74	23.11	23.21	23.21	23.5	2						
15	16QAM	36	0	22.08	22.20	22.09								
15	16QAM	36	20	22.24	22.26	21.93								
15	16QAM	36	36	22.07	22.08	22.05	23.5	2						
15	16QAM	75	0	22.28	22.20	22.03								
15	16QAM	1	0	22.28	22.20	22.15								
15	16QAM	1	37	22.36	22.39	22.35	22.5	2						
15	16QAM	1	74	22.04	22.05	22.05								
15	16QAM	36	0	21.13	21.13	21.10								
15	16QAM	36	20	21.11	21.18	21.02	22.5	3						
15	16QAM	36	36	21.10	21.12	21.07								
15	16QAM	75	0	21.11	21.00	21.16								
15	256QAM	1	0	19.06	19.34	19.25	20.5	5						
15	256QAM	1	37	19.04	19.27	19.23								
15	256QAM	1	74	19.30	19.07	19.09								
15	256QAM	36	0	19.26	19.28	19.12	20.5	5						
15	256QAM	36	20	19.31	19.34	19.25								
15	256QAM	36	39	19.39	19.32	19.04								
15	256QAM	75	0	19.34	19.15	19.13	20.5	5						
Channel														
Frequency (MHz)														
10	QPSK	1	0	24.20	24.16	24.16			25.5	0				
10	QPSK	1	25	24.04	24.05	24.15								
10	QPSK	1	49	24.18	24.10	23.93								
10	QPSK	25	0	23.16	23.18	23.16	24.5	1						
10	QPSK	25	12	23.26	23.10	23.17								
10	QPSK	25	25	23.12	23.21	23.06								
10	16QAM	1	0	23.26	23.25	23.18	24.5	1						
10	16QAM	1	25	23.31	23.17	23.15								
10	16QAM	1	49	23.10	23.23	23.23								
10	16QAM	25	0	22.12	22.18	22.05	23.5	2						
10	16QAM	25	12	22.32	22.17	22.13								
10	16QAM	25	24	22.03	22.28	22.15								
10	16QAM	50	0	22.13	22.21	21.99	23.5	2						
10	16QAM	1	0	22.28	22.34	22.03								
10	16QAM	1	24	22.36	22.20	22.17								
10	16QAM	1	49	22.09	22.28	22.07	22.5	3						
10	16QAM	25	0	21.28	21.13	21.03								
10	16QAM	25	12	21.15	21.13	21.05								
10	16QAM	25	25	21.23	21.00	21.25	20.5	5						
10	16QAM	50	0	21.16	21.02	21.11								
10	16QAM	50	0	19.15	19.38	19.07								
10	256QAM	1	25	19.07	19.32	19.19	20.5	5						
10	256QAM	1	49	19.29	19.08	19.13								
10	256QAM	25	0	19.16	19.21	19.07								
10	256QAM	25	12	19.27	19.33	19.39	20.5	5						
10	256QAM	25	25	19.37	19.32	19.11								
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.20	24.16	24.16	25.5	0						
5	QPSK	1	12	24.10	24.08	24.21								
5	QPSK	1	24	24.10	24.10	23.98								
5	QPSK	12	0	23.10	23.08	23.08	24.5	1						
5	QPSK	12	7	23.14	23.10	23.14								
5	QPSK	12	13	23.29	23.11	23.14								
5	QPSK	25	0	23.08	23.23	23.01	24.5	1						
5	16QAM	1	0	23.33	23.24	23.20								
5	16QAM	1	12	23.32	23.18	23.30								
5	16QAM	1	24	22.30	23.00	23.13	23.5	2						
5	16QAM	12	0	22.01	22.14	21.93								
5	16QAM	12	7	22.12	22.12	22.01								
5	16QAM	12	13	22.18	22.07	22.21	23.5	2						
5	16QAM	25	0	22.32	22.26	21.97								
5	16QAM	25	12	22.40	22.30	22.13								
5	16QAM	1	12	22.35	22.30	22.02	22.5	3						
5	16QAM	1	24	22.15	22.24	22.05								
5	16QAM	12	0	21.26	21.09	20.97								
5	16QAM	12	7	21.11	21.32	21.22	22.5	3						
5	16QAM	12	13	21.03	21.10	20.97								
5	256QAM	1	0	19.15	19.31	19.08	20.5	5						
5	256QAM	1	12	19.07	19.32	19.19								
5	256QAM	1	24	19.29	19.08	19.13								
5	256QAM	12	0	19.22	19.25	19.11	20.5	5						
5	256QAM	12	7	19.32	19.28	19.20								
5	256QAM	12	13	19.36	19.36	19.25								
5	256QAM	25	0	19.18	19.16	19.10	20.5	5						
Channel														
Frequency (MHz)														
3	QPSK	1	0	24.09	24.08	24.20			25.5	0				
3	QPSK	1	3	24.05	24.07	24.05								
3	QPSK	1	14	24.11	23.95	24.00								
3	QPSK	8	0	23.00	23.25	23.07	24.5	1						
3	QPSK	8	7	23.10	23.16	23.02								
3	QPSK	8	7	23.29	23.03	23.14								
3	QPSK	15	0	23.24	23.19	23.15	24.5	1						
3	QPSK	15	7	23.24	23.03	23.26								
3	QPSK	15	14	23.24	23.14	23.21								
3	16QAM	1	8	22.28	23.14	23.21	23.5	2						
3	16QAM	1	14	23.18	23.20	23.05								
3	16QAM	1	14	23.15	23.22	23.15								
3	16QAM	8	4	22.15	22.17	22.11	23.5	2						
3	16QAM	8	7	22.19	22.04	22.06								
3	16QAM	8	14	22.40	22.29	22.29								
3	16QAM	1	0	22.17	22.14	22.12	23.5	2						
3	16QAM	1	8	22.24	22.14	22.28								
3	16QAM	1	14	22.24	22.19	22.21								
3	16QAM	8	0	21.12	21.02	21.15	22.5	3						
3	16QAM	8	4	21.32	21.09	20.99								
3	16QAM	8	7	21.18	21.11	21.08								
3	16QAM	15	0	21.21	21.29	20.98	20.5	5						
3	16QAM	15	7	21.21	21.16	21.13								
3	16QAM	15	14	21.21	21.16	21.13								
3	256QAM	1	14	19.20	19.01	19.09	20.5	5						
3	256QAM	1	14	19.21	19.01	19.09								
3	256QAM	1	14	19.21	19.01	19.09								
3	256QAM	8	0	19.28	19.28	19.22	20.5	5						
3	256QAM	8	7	19.30	19.31	19.08								
3	256QAM	8	14	19.30	19.31	19.08								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	24.10	24.16	24.16	25.5	0						
1.4	QPSK	1	3	24.05	24.07	24.00								
1.4	QPSK	1	5	23.94	24.10	23.75								
1.4	QPSK	3	0	23.16	23.18	23.16	24.5	1						
1.4	QPSK	3	3	24.11	23.99	23.92								
1.4	QPSK	3	3	23.96	23.85	23.89								
1.4	16QAM	1	0	23.11	23.20	23.05	24.5	1						
1.4	16QAM	1	0	22.98	23.05	23.05								
1.4	16QAM	1	3	23.17	22.83	23.17								
1.4	16QAM	3	0	23.01	23.10	23.01	23.5	2						
1.4	16QAM	3	3	22.87	23.13	23.02								
1.4	16QAM	3	3	23.17	23.08	23.08								
1.4	16QAM	6	0	22.08	22.08	21.95	23.5	2						
1.4	16QAM	6	0	22.02	22.17	22.07								
1.4	16QAM	6	3	22.18	22.12	22.08								
1.4	16QAM	1	6	22.21	22.12	22.22	23.5	2						
1.4	16QAM	3	3	21.97	22.12	21.13								
1.4	16QAM	6	0	21.06	20.91	21.13								
1.4	16QAM	6	0	21.06	20.90	21.06	20.5	5						
1.4	16QAM	6	3	21.06	20.90	21.06								
1.4	16QAM	6	6	21.06	20.90	21.06								
1.4	256QAM	1	3	19.35	19.22	19.10	20.5	5						
1.4	256QAM	1	6	19.24	19.39	19.11								
1.4	256QAM	1	9	19.30	19.20	19.30								
1.4	256QAM	6	0	19.37	19.34	19.25	20.5	5						
1.4	256QAM	6	3	19.37	19.34	19.25								
1.4	256QAM	6	6	19.34	19.21	19.31								

Band 38 Ant3 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.03	24.32	24.13	25.5	0	
20	QPSK	1	49	24.24	24.21	24.03			
20	QPSK	1	99	24.12	24.11	24.05			
20	QPSK	50	0	23.14	23.24	23.10	24.5	1	
20	QPSK	50	24	23.19	23.12	23.09			
20	QPSK	50	50	23.00	23.20	23.14			
20	QPSK	100	0	23.17	23.18	23.06	24.5	1	
20	16QAM	1	0	23.10	23.20	23.16			
20	16QAM	1	49	23.31	23.36	23.01			
20	16QAM	1	99	23.16	23.19	23.07	23.5	2	
20	16QAM	50	0	22.01	22.09	22.04			
20	16QAM	50	24	22.18	22.17	22.15			
20	16QAM	50	50	22.26	22.25	21.96	23.5	2	
20	16QAM	100	0	22.18	22.10	22.07			
20	64QAM	1	0	22.04	22.16	22.35			
20	64QAM	1	49	22.21	22.33	22.12	22.5	3	
20	64QAM	1	99	22.20	22.16	22.06			
20	64QAM	50	0	21.02	21.05	21.22			
20	64QAM	50	24	21.33	21.17	21.16	20.5	5	
20	64QAM	50	50	21.17	21.20	21.07			
20	64QAM	100	0	21.17	21.21	21.07			
20	256QAM	1	0	19.08	19.31	19.01	20.5	5	
20	256QAM	1	49	19.21	19.16	19.08			
20	256QAM	1	99	19.18	19.07	19.12			
20	256QAM	50	0	19.21	19.15	19.06	20.5	5	
20	256QAM	50	24	19.22	19.09	19.10			
20	256QAM	50	50	18.92	19.17	19.21			
20	256QAM	100	0	19.12	19.20	18.97			
Channel				37875	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.90	23.87	23.99	25.5	0	
15	QPSK	1	37	24.19	24.15	23.87			
15	QPSK	1	74	24.16	23.99	23.92			
15	QPSK	36	0	22.99	22.97	23.04	24.5	1	
15	QPSK	36	20	23.05	22.96	22.95			
15	QPSK	36	39	23.09	23.12	23.00			
15	QPSK	75	0	23.15	23.02	22.97	24.5	1	
15	16QAM	1	0	22.96	23.14	23.10			
15	16QAM	1	37	23.22	23.22	22.85			
15	16QAM	1	74	23.05	23.14	22.92	23.5	2	
15	16QAM	36	0	21.85	22.00	21.89			
15	16QAM	36	20	22.04	22.08	22.08			
15	16QAM	36	39	22.20	22.16	21.82	23.5	2	
15	16QAM	75	0	22.06	21.99	21.94			
15	64QAM	1	0	21.94	22.10	22.26			
15	64QAM	1	37	22.07	22.28	22.07	22.5	3	
15	64QAM	1	74	22.04	22.08	21.98			
15	64QAM	36	0	20.88	20.93	21.16			
15	64QAM	36	20	21.23	21.09	21.00	20.5	5	
15	64QAM	36	39	21.08	21.08	21.01			
15	64QAM	75	0	21.11	21.14	20.93			
15	256QAM	1	0	18.95	18.98	18.87	20.5	5	
15	256QAM	1	37	19.13	19.14	18.84			
15	256QAM	1	74	19.12	18.90	18.82			
15	256QAM	36	0	18.91	18.91	19.05	20.5	5	
15	256QAM	36	20	19.00	19.07	18.90			
15	256QAM	36	39	19.01	19.02	18.94			
15	256QAM	75	0	19.11	18.98	18.91			
Channel				37800	38000	38200			
Frequency (MHz)				2375	2395	2415			
10	QPSK	1	0	23.99	24.00	24.01	25.5	0	
10	QPSK	1	25	24.17	24.15	23.94			
10	QPSK	1	49	24.28	24.05	23.97			
10	QPSK	25	0	23.04	22.92	22.97	24.5	1	
10	QPSK	25	12	23.14	22.96	23.03			
10	QPSK	25	25	23.20	23.04	23.08			
10	QPSK	50	0	23.13	23.04	22.98	24.5	1	
10	16QAM	1	0	22.99	23.08	23.01			
10	16QAM	1	25	23.24	23.26	22.95			
10	16QAM	1	49	23.08	23.14	23.03	23.5	2	
10	16QAM	25	0	21.92	21.95	21.88			
10	16QAM	25	12	22.04	22.09	22.07			
10	16QAM	25	25	22.14	22.19	21.82	23.5	2	
10	16QAM	50	0	22.06	21.98	21.91			
10	64QAM	1	0	21.93	22.08	22.23			
10	64QAM	1	25	22.08	22.19	22.05	22.5	3	
10	64QAM	1	49	22.15	22.01	21.99			
10	64QAM	25	0	20.89	20.94	21.08			
10	64QAM	25	12	21.19	21.08	21.11	20.5	5	
10	64QAM	25	25	21.12	21.16	20.97			
10	64QAM	50	0	21.05	21.07	20.98			
10	256QAM	1	0	19.00	19.02	18.96	20.5	5	
10	256QAM	1	25	19.18	19.20	18.94			
10	256QAM	1	49	19.32	18.96	19.00			
10	256QAM	25	0	19.09	18.98	18.93	20.5	5	
10	256QAM	25	12	19.11	19.06	19.02			
10	256QAM	25	25	19.09	18.94	19.17			
10	256QAM	50	0	19.25	18.93	18.89			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.95	23.88	23.98	25.5	0	
5	QPSK	1	12	24.09	24.14	23.96			
5	QPSK	1	24	24.22	23.95	23.97			
5	QPSK	12	0	23.08	22.99	22.99	24.5	1	
5	QPSK	12	7	23.05	23.05	23.02			
5	QPSK	12	13	23.17	23.07	23.03			
5	QPSK	25	0	23.11	23.13	22.93	24.5	1	
5	16QAM	1	0	23.00	23.15	23.03			
5	16QAM	1	12	23.19	23.27	22.97			
5	16QAM	1	24	23.03	23.07	23.01	23.5	2	
5	16QAM	12	0	21.97	22.01	21.96			
5	16QAM	12	7	22.03	22.03	22.02			
5	16QAM	12	13	22.15	22.11	21.86	23.5	2	
5	16QAM	25	0	22.08	21.98	22.02			
5	64QAM	1	0	21.92	22.10	22.22			
5	64QAM	1	12	22.06	22.24	22.03	22.5	3	
5	64QAM	1	24	22.11	22.01	21.98			
5	64QAM	12	0	20.96	20.98	21.18			
5	64QAM	12	7	21.27	21.07	21.01	20.5	5	
5	64QAM	12	13	21.04	21.08	20.92			
5	64QAM	25	0	21.12	21.13	20.95			
5	256QAM	1	0	18.96	18.82	18.90	20.5	5	
5	256QAM	1	12	19.18	19.05	18.85			
5	256QAM	1	24	19.21	19.04	18.96			
5	256QAM	12	0	18.98	18.96	19.00	20.5	5	
5	256QAM	12	7	19.01	19.06	19.11			
5	256QAM	12	13	19.10	19.03	19.15			
5	256QAM	25	0	19.07	19.05	19.03			

Band 41 Ant3 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.35	24.17	24.37	24.16	24.15	25.5	0
20	QPSK	1	49	24.29	24.11	24.18	24.05	24.05		
20	QPSK	1	99	24.21	24.23	24.19	24.18	24.05		
20	QPSK	50	0	23.27	23.14	23.39	23.09	23.21		
20	QPSK	50	24	23.32	23.21	23.29	23.08	23.34	24.5	1
20	QPSK	50	50	23.32	23.19	23.31	23.08	23.09		
20	QPSK	100	0	23.30	23.21	23.32	23.02	23.12		
20	16QAM	1	0	23.09	23.17	23.08	23.24	23.26		
20	16QAM	1	49	23.28	23.01	23.04	23.16	23.14	24.5	1
20	16QAM	1	99	23.33	23.19	23.24	23.09	23.08		
20	16QAM	50	0	22.18	22.09	22.33	22.14	22.34		
20	16QAM	50	24	22.33	22.24	22.39	22.15	22.17		
20	16QAM	50	50	22.28	22.22	22.26	22.04	22.13	23.5	2
20	16QAM	100	0	22.26	22.30	22.38	22.07	22.00		
20	64QAM	1	0	22.37	22.10	22.17	22.11	22.21		
20	64QAM	1	49	22.30	22.30	22.37	22.29	22.24		
20	64QAM	1	99	22.07	22.01	22.29	22.01	22.06	23.5	2
20	64QAM	50	0	21.32	21.15	21.29	21.19	21.06		
20	64QAM	50	24	21.25	21.24	21.34	21.06	21.01		
20	64QAM	50	50	21.23	21.24	21.32	21.05	21.13		
20	64QAM	100	0	21.24	21.16	21.32	21.15	21.10	22.5	3
20	256QAM	1	0	19.26	19.10	19.29	19.14	19.25		
20	256QAM	1	49	19.31	19.23	19.18	18.99	18.94		
20	256QAM	1	99	19.29	19.33	19.15	19.13	19.14		
20	256QAM	50	0	19.36	19.04	19.31	19.03	19.32	20.5	5
20	256QAM	50	24	19.30	19.10	19.23	19.04	19.31		
20	256QAM	50	50	19.36	19.11	19.38	19.09	19.13		
20	256QAM	100	0	19.20	19.24	19.25	19.03	19.23		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.30	24.12	24.23	24.04	24.03	25.50	0
15	QPSK	1	37	24.15	24.06	24.13	24.16	24.00		
15	QPSK	1	74	24.07	24.14	24.07	24.09	24.59		
15	QPSK	36	0	23.11	23.03	23.23	22.94	23.11		
15	QPSK	36	20	23.28	23.16	23.21	22.97	23.24	24.5	1
15	QPSK	36	39	23.24	23.10	23.20	22.99	22.96		
15	QPSK	75	0	23.23	23.10	23.14	22.91	23.04		
15	16QAM	1	0	23.03	23.07	22.92	23.17	23.13		
15	16QAM	1	37	23.15	22.95	22.97	23.01	23.07	24.5	1
15	16QAM	1	74	23.21	23.03	23.15	23.02	22.98		
15	16QAM	36	0	22.06	22.05	22.24	21.99	22.28		
15	16QAM	36	20	22.19	22.19	22.26	22.02	22.07		
15	16QAM	36	39	22.22	22.09	22.19	21.90	22.07	23.5	2
15	16QAM	75	0	22.12	22.16	22.30	22.28	22.21		
15	64QAM	1	0	22.23	22.05	22.02	21.99	22.06		
15	64QAM	1	37	22.17	22.14	22.21	22.13	21.95		
15	64QAM	1	74	21.92	21.94	22.15	21.92	21.93	23.5	2
15	64QAM	36	0	21.21	21.05	21.24	21.08	20.97		
15	64QAM	36	20	21.12	21.11	21.26	20.95	20.93		
15	64QAM	36	39	21.08	21.16	21.24	20.97	20.98		
15	64QAM	75	0	21.10	21.08	21.24	21.09	21.00	22.5	3
15	256QAM	1	0	19.22	19.09	19.19	19.01	19.06		
15	256QAM	1	37	19.24	19.03	19.21	19.23	18.92		
15	256QAM	1	74	19.05	19.02	19.01	18.98	19.00		
15	256QAM	36	0	19.11	19.01	19.17	19.00	19.04	20.5	5
15	256QAM	36	20	19.28	19.12	19.32	19.08	19.28		
15	256QAM	36	39	19.24	19.16	19.26	19.07	19.02		
15	256QAM	75	0	19.12	19.18	19.14	18.89	18.93		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.23	24.12	24.32	24.12	24.07	25.50	0
10	QPSK	1	25	24.17	24.00	24.12	23.95	23.99		
10	QPSK	1	49	24.13	24.13	24.11	24.07	23.99		
10	QPSK	25	0	23.17	23.06	23.27	22.99	23.09		
10	QPSK	25	12	23.24	23.06	23.14	22.97	23.34	24.5	1
10	QPSK	25	25	23.16	23.14	23.25	22.99	23.04		
10	QPSK	50	0	23.21	23.14	23.20	22.96	23.03		
10	16QAM	1	0	22.95	23.06	22.96	23.11	23.19		
10	16QAM	1	25	23.20	22.88	22.89	23.05	23.08	24.5	1
10	16QAM	1	49	23.26	23.13	23.13	23.04	23.00		
10	16QAM	25	0	22.14	21.95	22.19	22.01	22.25		
10	16QAM	25	12	22.16	22.17	22.24	22.09	22.33		
10	16QAM	25	25	22.24	22.15	22.17	21.90	22.02	23.5	2
10	16QAM	50	0	22.15	22.17	22.34	22.01	22.17		
10	64QAM	1	0	22.21	21.95	22.07	21.97	22.08		
10	64QAM	1	25	22.19	22.16	22.29	22.22	21.92		
10	64QAM	1	49	22.02	21.95	22.24	21.92	21.99	23.5	2
10	64QAM	25	0	21.17	21.00	21.13	21.10	20.93		
10	64QAM	25	12	21.21	21.18	21.19	20.95	20.89		
10	64QAM	25	25	21.16	21.19	21.26	20.97	20.98		
10	64QAM	50	0	21.19	21.05	21.21	21.02	20.98	22.5	3
10	256QAM	1	0	19.16	19.05	19.24	19.22	19.01		
10	256QAM	1	25	19.14	18.98	19.14	18.96	19.08		
10	256QAM	1	49	19.10	19.11	19.20	19.03	18.90		
10	256QAM	25	0	19.23	19.01	19.18	19.05	19.04	20.5	5
10	256QAM	25	12	19.26	19.15	19.05	19.07	19.22		
10	256QAM	25	25	19.14	19.12	19.26	18.89	19.11		
10	256QAM	50	0	19.10	19.12	19.19	18.94	19.07		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.22	24.08	24.33	24.02	24.04	25.50	0
5	QPSK	1	12	24.15	24.05	24.11	24.31	24.28		
5	QPSK	1	24	24.07	24.15	24.10	24.13	24.14		
5	QPSK	12	0	23.13	23.00	23.22	23.01	23.06		
5	QPSK	12	7	23.28	23.07	23.24	23.25	23.23	24.5	1
5	QPSK	12	13	23.16	23.04	23.16	23.01	22.97		
5	QPSK	25	0	23.22	23.17	23.23	22.92	22.98		
5	16QAM	1	0	23.01	23.03	23.00	23.09	23.22		
5	16QAM	1	12	23.16	22.95	22.93	23.00	22.99	24.5	1
5	16QAM	1	24	23.18	23.08	23.10	22.95	22.96		
5	16QAM	12	0	22.06	21.93	22.19	22.04	22.19		
5	16QAM	12	7	22.20	22.19	22.25	22.04	22.05		
5	16QAM	12	13	22.22	22.08	22.19	21.91	22.06	23.5	2
5	16QAM	25	0	22.21	22.16	22.31	21.92	21.94		
5	64QAM	1	0	22.27	22.03	22.11	22.00	22.10		
5	64QAM	1	12	22.21	22.13	22.26	22.23	21.92		
5	64QAM	1	24	21.93	21.96	22.24	21.97	21.93	23.5	2
5	64QAM	12	0	21.23	21.09	21.19	21.14	20.96		
5	64QAM	12	7	21.10	21.18	21.18	20.98	20.96		
5	64QAM	12	13	21.09	21.12	21.19	20.91	21.01		
5	64QAM	25	0	21.12	21.08	21.18	21.31	21.28	22.5	3
5	256QAM	1	0	19.12	18.98	19.29	18.99	19.03		
5	256QAM	1	12	19.09	18.94	19.07	19.27	19.22		
5	256QAM	1	24	19.05	19.23	19.02	19.11	19.22		
5	256QAM	12	0	19.20	18.95	19.14	18.92	19.16	20.5	5
5	256QAM	12	7	19.16	19.07	19.24	19.31	19.19		
5	256QAM	12	13	19.11	19.07	19.22	19.02	18.97		
5	256QAM	25	0	19.16	19.07	19.17	18.87	19.00		

GSM1900 Ant4 Default								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.72	29.53	29.50	30.50	20.72	20.53	20.50	21.50
GPRS 1 Tx slot	29.48	29.77	29.86	30.50	20.48	20.77	20.86	21.50
GPRS 2 Tx slots	26.19	26.07	25.97	27.50	20.19	20.07	19.97	21.50
GPRS 3 Tx slots	24.56	24.77	24.63	25.50	20.29	20.51	20.37	21.24
GPRS 4 Tx slots	23.21	23.36	23.24	24.50	20.21	20.38	20.24	21.50
EDGE 1 Tx slot	25.18	25.59	25.25	26.50	16.18	16.59	16.25	17.50
EDGE 2 Tx slots	21.97	22.08	22.22	23.00	15.97	16.08	16.22	17.00
EDGE 3 Tx slots	20.22	20.64	20.39	21.50	15.96	16.38	16.13	17.24
EDGE 4 Tx slots	18.71	18.97	18.92	20.50	15.71	15.97	15.92	17.50

		WCDMA II Ant4 Default			WCDMA IV Ant4 Default				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9282	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	23.87	23.92	23.84	25.00	23.85	23.97	23.95	25.00
3GPP Rel 99	RMC 12.2Kbps	23.95	24.03	23.78	25.00	23.82	24.06	24.01	25.00
3GPP Rel 6	HSUPA Subtest-1	23.31	22.90	23.31	24.00	22.86	22.72	22.93	24.00
3GPP Rel 6	HSUPA Subtest-2	23.34	22.87	23.34	24.00	22.65	22.94	22.63	24.00
3GPP Rel 6	HSUPA Subtest-3	22.81	22.42	22.81	23.50	22.43	22.37	22.21	23.50
3GPP Rel 6	HSUPA Subtest-4	22.78	22.38	22.78	23.50	22.21	22.46	22.08	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	23.17	22.90	23.20	24.00	22.97	22.78	22.91	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.17	22.76	23.18	24.00	22.60	22.90	22.62	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.74	22.27	22.66	23.50	22.37	22.29	22.15	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.60	22.28	22.73	23.50	22.33	22.47	22.25	23.50
3GPP Rel 6	HSUPA Subtest-1	23.33	22.91	22.85	24.00	22.66	22.71	22.93	24.00
3GPP Rel 6	HSUPA Subtest-2	21.30	20.90	20.88	22.00	20.71	20.66	20.58	22.00
3GPP Rel 6	HSUPA Subtest-3	22.30	21.90	21.83	23.00	21.70	22.04	21.78	23.00
3GPP Rel 6	HSUPA Subtest-4	21.31	20.91	20.84	22.00	20.64	20.57	20.59	22.00
3GPP Rel 6	HSUPA Subtest-5	23.30	22.90	22.84	24.00	22.60	22.85	22.79	24.00

Band 2 Ant4 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up Init. (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	24.02	24.03	23.81			
20	QPSK	1	49	23.84	23.85	23.64	25.5	0	
20	QPSK	1	99	23.69	23.69	23.48			
20	QPSK	50	0	22.98	23.24	23.11			
20	QPSK	24	0	22.99	23.08	23.08	24.5	1	
20	QPSK	50	50	23.03	23.11	23.18			
20	QPSK	100	0	23.02	23.05	23.05			
20	HQAM	1	0	22.99	23.13	23.08			
20	HQAM	1	49	23.17	23.20	23.08	24.5	1	
20	HQAM	1	99	23.23	23.16	23.02			
20	HQAM	50	0	21.89	21.99	22.05			
20	HQAM	50	24	22.16	22.08	22.09	23.5	2	
20	HQAM	50	50	22.21	22.19	22.06			
20	HQAM	100	0	21.90	21.94	21.79			
20	HQAM	1	0	22.19	22.09	22.10			
20	HQAM	1	49	22.59	22.52	22.26	23.5	2	
20	HQAM	50	0	20.91	20.99	21.10			
20	HQAM	50	24	21.00	21.05	21.19	22.5	3	
20	HQAM	50	50	21.21	21.08	20.94			
20	HQAM	100	0	20.94	21.04	20.92			
20	25QAM	1	49	19.05	19.11	18.84	20.5	5	
20	25QAM	1	99	18.86	18.84	18.87			
20	25QAM	50	0	19.09	19.30	19.15			
20	25QAM	50	24	19.02	19.14	19.14	20.5	5	
20	25QAM	50	50	19.14	19.19	19.22			
20	25QAM	100	0	18.97	19.15	19.11			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.07	18.00	18.02			
15	QPSK	1	37	23.83	23.81	23.83	25.5	0	
15	QPSK	1	74	23.76	23.84	23.89			
15	QPSK	36	0	22.81	23.08	23.11			
15	QPSK	36	20	22.98	23.00	23.15	24.5	1	
15	QPSK	36	36	22.97	23.01	23.12			
15	HQAM	75	0	22.79	22.89	22.87			
15	HQAM	75	0	22.87	23.12	23.15			
15	HQAM	1	37	23.14	23.23	23.03	24.5	1	
15	HQAM	1	74	23.05	23.08	23.07			
15	HQAM	36	0	21.89	21.78	21.99			
15	HQAM	36	20	21.98	21.96	22.09	23.5	2	
15	HQAM	36	36	22.08	22.05	22.15			
15	HQAM	75	0	20.77	20.85	20.93			
15	HQAM	36	20	20.94	20.96	21.03	22.5	3	
15	HQAM	36	36	21.10	21.01	21.07			
15	HQAM	75	0	20.83	20.88	20.73			
15	HQAM	1	0	18.75	18.84	18.76	20.5	5	
15	25QAM	1	37	18.89	19.02	18.92			
15	25QAM	1	74	18.80	18.99	18.86			
15	25QAM	36	0	18.86	18.92	18.85	20.5	5	
15	25QAM	36	20	18.98	19.00	19.00			
15	25QAM	36	39	19.02	19.11	19.20	20.5	5	
15	25QAM	75	0	18.73	18.84	18.84			
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.00	24.00	23.80	25.5	0	
10	QPSK	1	25	23.79	23.85	23.85			
10	QPSK	1	49	23.93	23.94	23.97			
10	QPSK	1	99	23.88	23.99	23.97			
10	QPSK	25	0	22.96	22.96	23.01	24.5	1	
10	QPSK	25	12	22.96	22.96	23.01			
10	QPSK	25	25	22.89	23.01	23.20			
10	QPSK	50	0	22.80	22.96	22.96			
10	HQAM	1	0	22.89	22.93	23.05			
10	HQAM	1	25	22.84	23.00	23.03	24.5	1	
10	HQAM	1	49	23.00	23.00	23.00			
10	HQAM	25	0	21.83	21.91	21.89			
10	HQAM	25	12	21.94	21.87	21.89	23.5	2	
10	HQAM	25	25	22.03	22.08	22.15			
10	HQAM	50	0	20.92	20.82	20.95			
10	HQAM	1	0	18.99	18.84	18.84	20.5	5	
10	25QAM	1	25	18.88	18.90	18.96			
10	25QAM	1	49	18.88	18.90	18.92			
10	25QAM	25	0	18.97	18.98	18.95	20.5	5	
10	25QAM	25	12	19.07	18.94	19.13			
10	25QAM	25	25	18.88	18.96	19.09	20.5	5	
10	25QAM	50	0	18.73	18.99	18.91			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.87	23.84	23.83	25.5	0	
5	QPSK	1	12	23.99	23.93	23.99			
5	QPSK	1	24	23.88	24.00	23.82			
5	QPSK	12	0	22.86	22.86	22.90	24.5	1	
5	QPSK	12	7	22.99	23.02	23.13			
5	QPSK	12	13	23.01	22.99	23.18			
5	QPSK	25	0	22.97	22.85	22.93			
5	HQAM	1	0	22.78	23.10	22.97	24.5	1	
5	HQAM	1	12	23.08	23.10	23.06			
5	HQAM	1	24	23.15	23.01	23.03			
5	HQAM	12	0	21.76	21.98	22.08			
5	HQAM	12	7	21.95	22.03	22.03	23.5	2	
5	HQAM	12	13	22.12	22.05	22.10			
5	HQAM	25	0	21.70	21.87	21.82			
5	HQAM	1	0	22.12	21.99	22.02	23.5	2	
5	HQAM	1	12	22.29	22.21	22.19			
5	HQAM	1	24	22.02	22.03	21.98			
5	HQAM	12	0	20.71	20.76	21.06			
5	HQAM	12	7	20.80	21.03	21.05	22.5	3	
5	HQAM	12	13	20.97	20.95	20.84			
5	HQAM	25	0	20.78	21.02	20.86			
5	25QAM	1	0	18.96	18.73	18.83	20.5	5	
5	25QAM	1	12	18.91	18.83	18.83			
5	25QAM	1	24	18.88	18.92	18.75			
5	25QAM	12	0	18.79	18.99	18.82	20.5	5	
5	25QAM	12	7	18.92	18.96	19.17			
5	25QAM	12	13	18.96	18.96	19.17	20.5	5	
5	25QAM	25	0	18.96	18.95	18.84			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.34	23.81	23.89	25.5	0	
3	QPSK	1	8	23.76	23.80	23.70			
3	QPSK	1	14	23.84	23.90	23.94			
3	QPSK	8	0	22.85	22.85	22.90	24.5	1	
3	QPSK	8	4	22.79	22.86	22.82			
3	QPSK	8	7	22.96	23.02	23.15			
3	QPSK	16	0	22.77	22.85	23.03			
3	HQAM	1	0	23.02	22.89	22.87	24.5	1	
3	HQAM	1	8	23.22	23.22	23.05			
3	HQAM	1	14	23.19	23.08	22.93			
3	HQAM	8	0	21.82	21.85	21.82			
3	HQAM	8	4	22.03	22.08	22.10	23.5	2	
3	HQAM	8	7	22.13	22.08	21.90			
3	HQAM	16	0	21.86	21.79	21.83			
3	HQAM	1	0	22.08	21.89	22.16	23.5	2	
3	HQAM	1	8	22.22	22.14	22.28			
3	HQAM	1	14	21.91	21.94	22.17			
3	HQAM	8	0	20.88	20.89	20.93			
3	HQAM	8	7	20.87	21.06	21.02	22.5	3	
3	HQAM	8	7	21.01	20.94	20.86			
3	25QAM	1	0	19.02	18.99	18.77	20.5	5	
3	25QAM	1	8	18.84	18.71	18.79			
3	25QAM	1	14	18.73	18.89	18.82			
3	25QAM	8	0	18.85	18.77	18.94	20.5	5	
3	25QAM	8	4	18.84	18.85	18.85			
3	25QAM	8	7	18.87	18.92	18.93	20.5	5	
3	25QAM	16	0	18.73	18.92	19.05			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.78	23.90	23.91	25.5	0	
1.4	QPSK	1	3	23.94	23.81	23.89			
1.4	QPSK	1	5	23.80	23.88	23.72			
1.4	QPSK	3	0	23.85	23.72	23.85	24.5	1	
1.4	QPSK	3	1	23.71	23.67	23.82			
1.4	QPSK	3	3	23.62	23.69	23.96			
1.4	QPSK	8	0	22.98	23.23	23.36			
1.4	HQAM	1	0	22.98	23.13	23.08	24.5	1	
1.4	HQAM	1	3	23.04	23.07	23.08			
1.4	HQAM	1	5	22.88	22.75	22.91			
1.4	HQAM	3	0	22.99	23.08	23.08	23.5	2	
1.4	HQAM	3	1	23.01	23.22	23.21			
1.4	HQAM	3	3	23.14	23.01	22.99			
1.4	HQAM	8	0	21.89	22.09	22.09	23.5	2	
1.4	HQAM	1	0	22.02	22.09	21.98			
1.4	HQAM	1	3	22.10	22.11	21.88			
1.4	HQAM	3	0	21.77	21.88	21.79	20.5	5	
1.4	HQAM	3	1	21.93	22.07	22.03			
1.4	HQAM	3	3	22.08	22.05	22.08			
1.4	HQAM	8	0	21.93	21.78	22.12			
1.4	HQAM	8	1	22.07	22.07	22.07	23.5	2	
1.4	HQAM	8	3	22.01	22.05	22.03			
1.4	25QAM	1	0	18.72	18.90	18.97			
1.4	25QAM	1	3	18.74	18.94	18.83	20.5	5	
1.4	25QAM	1	5	18.76	18.76	18.76			
1.4	25QAM	3	0	18.78	18.75	18.78			
1.4	25QAM	3	3	18.84	18.94	18.91	20.5	5	

Band 25 Ant4 Default														
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up rate (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	24.29	24.37	24.06	25.5	0						
20	QPSK	1	49	24.17	24.20	24.13								
20	QPSK	1	99	24.27	24.16	24.16								
20	QPSK	50	0	23.23	23.44	23.39								
20	QPSK	50	24	23.34	23.38	23.33	24.5	1						
20	QPSK	50	50	23.22	23.43	23.35								
20	16QAM	100	0	23.26	23.32	23.28								
20	16QAM	1	0	23.35	23.47	23.44								
20	16QAM	1	49	23.45	23.58	23.61	24.5	1						
20	16QAM	1	99	23.47	23.83	23.19								
20	16QAM	50	24	22.41	22.28	22.40								
20	16QAM	50	50	22.37	22.43	22.45								
20	16QAM	100	0	22.15	22.16	22.09	23.5	2						
20	16QAM	1	0	22.34	22.46	22.47								
20	16QAM	1	49	22.56	22.31	22.46								
20	16QAM	50	0	21.17	21.33	21.48								
20	16QAM	50	24	21.29	21.21	21.43	22.5	3						
20	16QAM	50	50	21.51	21.23	21.25								
20	16QAM	100	0	21.14	21.36	21.17								
20	256QAM	1	0	19.23	19.34	19.15								
20	256QAM	1	49	19.19	19.27	19.17	20.5	5						
20	256QAM	1	99	19.23	19.10	19.09								
20	256QAM	50	24	19.24	19.31	19.17								
20	256QAM	50	50	19.30	19.38	19.67								
20	256QAM	100	0	19.16	19.52	19.12	20.5	5						
Channel														
Frequency (MHz)														
15	QPSK	1	0	24.11	24.14	24.06					25.5	0		
15	QPSK	1	37	24.18	24.22	24.09								
15	QPSK	1	74	24.02	24.27	24.09								
15	QPSK	36	0	23.10	23.32	23.41								
15	QPSK	36	20	23.27	23.26	23.39	24.5	1						
15	QPSK	36	36	23.29	23.29	23.43								
15	16QAM	75	0	23.01	23.19	23.16								
15	16QAM	1	0	23.10	23.40	23.39								
15	16QAM	1	37	23.35	23.47	23.35	24.5	1						
15	16QAM	1	74	23.23	23.24	23.16								
15	16QAM	36	0	22.21	22.06	22.29								
15	16QAM	36	20	22.21	22.20	22.33								
15	16QAM	36	20	22.21	22.20	22.33	23.5	2						
15	16QAM	75	0	21.96	22.16	21.98								
15	16QAM	1	0	22.57	22.11	22.12								
15	16QAM	1	37	22.17	22.38	22.12								
15	16QAM	1	74	22.35	22.05	22.10	22.5	3						
15	16QAM	36	0	21.03	21.18	21.10								
15	16QAM	36	20	21.16	21.08	21.27								
15	16QAM	36	36	21.28	21.25	21.21								
15	16QAM	75	0	21.11	21.20	20.93	20.5	5						
15	256QAM	1	0	18.94	18.96	18.92								
15	256QAM	1	37	19.20	19.27	19.08								
15	256QAM	1	74	19.15	19.21	19.17								
15	256QAM	36	0	19.26	19.32	19.17	20.5	5						
15	256QAM	36	20	19.04	19.28	19.20								
15	256QAM	36	36	19.24	19.29	19.50								
15	256QAM	75	0	19.18	19.16	19.14								
Channel														
Frequency (MHz)														
10	QPSK	1	0	24.17	24.07	24.13	25.5	0						
10	QPSK	1	25	24.25	24.06	24.06								
10	QPSK	1	49	24.01	24.16	24.09								
10	QPSK	36	0	22.96	23.42	23.45								
10	QPSK	36	12	23.24	23.18	23.33	24.5	1						
10	QPSK	25	25	23.24	23.18	23.27								
10	16QAM	1	0	23.11	23.33	23.47								
10	16QAM	1	25	23.40	23.54	23.36								
10	16QAM	1	49	23.31	23.19	23.24	23.5	2						
10	16QAM	25	0	22.10	22.20	21.80								
10	16QAM	1	0	22.63	22.14	22.17								
10	16QAM	1	24	22.33	22.34	22.40								
10	16QAM	1	49	22.22	22.18	22.21	23.5	2						
10	16QAM	25	0	21.08	21.05	21.12								
10	16QAM	25	12	21.12	21.20	21.25								
10	16QAM	25	25	21.37	21.34	21.21								
10	16QAM	50	0	21.13	21.09	21.04	20.5	5						
10	256QAM	1	0	18.94	19.02	19.01								
10	256QAM	1	25	19.19	19.33	19.13								
10	256QAM	1	49	19.09	19.16	19.13								
10	256QAM	25	0	19.13	19.23	19.29	20.5	5						
10	256QAM	25	12	19.19	19.29	19.28								
10	256QAM	25	25	19.36	19.29	19.44								
10	256QAM	50	0	19.05	19.18	19.25								
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.08	24.14	24.13	25.5	0						
5	QPSK	1	12	24.11	24.18	24.08								
5	QPSK	1	24	24.09	24.34	24.22								
5	QPSK	12	0	22.87	23.28	23.45								
5	QPSK	12	7	23.30	23.17	23.28	24.5	1						
5	QPSK	12	13	23.26	23.34	23.40								
5	QPSK	25	0	22.34	23.17	23.09								
5	16QAM	1	0	23.19	23.47	23.31								
5	16QAM	1	12	23.30	23.57	23.30	24.5	1						
5	16QAM	1	24	23.15	23.34	23.32								
5	16QAM	12	0	22.22	21.93	22.19								
5	16QAM	12	7	22.27	22.20	22.28								
5	16QAM	12	13	22.41	22.29	22.37	23.5	2						
5	16QAM	25	0	22.03	22.07	21.94								
5	16QAM	1	0	22.56	22.16	22.22								
5	16QAM	1	12	22.30	22.24	22.34								
5	16QAM	1	24	22.28	22.18	22.18	22.5	3						
5	16QAM	12	0	21.10	21.09	21.21								
5	16QAM	12	7	21.17	21.08	21.02								
5	16QAM	12	13	21.26	21.35	21.28								
5	16QAM	25	0	21.10	21.04	21.00	20.5	5						
5	256QAM	1	0	19.08	19.08	19.07								
5	256QAM	1	12	19.16	19.34	19.27								
5	256QAM	1	24	19.07	19.16	19.03								
5	256QAM	12	0	19.13	19.23	19.29	20.5	5						
5	256QAM	12	7	19.06	19.36	19.27								
5	256QAM	12	13	19.19	19.27	19.40								
5	256QAM	25	0	19.09	19.16	19.21								
Channel														
Frequency (MHz)														
3	QPSK	1	0	23.98	24.00	24.05	25.5	0						
3	QPSK	1	8	24.02	24.06	24.17								
3	QPSK	1	16	24.09	24.24	24.15								
3	QPSK	8	0	23.03	23.41	23.33								
3	QPSK	8	4	23.23	23.14	23.33	24.5	1						
3	QPSK	8	12	23.14	23.17	23.31								
3	QPSK	16	0	23.00	23.11	23.13								
3	16QAM	1	0	23.19	23.47	23.31								
3	16QAM	1	8	23.46	23.47	23.16	24.5	1						
3	16QAM	1	16	23.20	23.34	23.30								
3	16QAM	8	0	22.13	22.23	22.34								
3	16QAM	8	4	22.33	22.33	22.34								
3	16QAM	8	12	22.33	22.20	22.22	23.5	2						
3	16QAM	16	0	22.12	22.12	22.19								
3	16QAM	1	0	22.47	22.12	22.13								
3	16QAM	1	8	22.35	22.33	22.37								
3	16QAM	1	16	22.33	22.33	22.24	22.5	3						
3	16QAM	8	0	21.11	21.19	21.21								
3	16QAM	8	4	21.25	21.07	21.23								
3	16QAM	8	12	21.25	21.12	21.23								
3	16QAM	16	0	21.02	21.02	20.95	20.5	5						
3	256QAM	1	0	19.03	19.03	19.13								
3	256QAM	1	8	19.10	19.28	19.05								
3	256QAM	1	16	19.14	19.28	19.05								
3	256QAM	8	0	19.22	19.20	19.40	20.5	5						
3	256QAM	8	4	19.18	19.38	19.17								
3	256QAM	8	12	19.18	19.45	19.39								
3	256QAM	16	0	19.04	19.07	19.15								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	24.06	24.02	24.08	25.5	0						
1.4	QPSK	1	8	24.01	24.04	24.15								
1.4	QPSK	1	16	23.93	24.28	24.18								
1.4	QPSK	8	0	23.78	24.08	24.14								
1.4	QPSK	8	4	24.05	23.92	24.04	24.5	1						
1.4	QPSK	1	0	23.84	24.07	24.25								
1.4	QPSK	8	0	22.97	23.12	23.04								
1.4	QPSK	8	4	23.14	23.14	23.15								
1.4	QPSK	1	0	23.43	23.57	23.32	24.5	1						
1.4	QPSK	1	8	23.17	23.21	23.27								
1.4	QPSK	1	16	23.94	24.01	24.03								
1.4	QPSK	8	0	22.91	23.92	23.02								
1.4	16QAM	1	0	23.06	23.48	23.13	23.5	2						
1.4	16QAM	1	8	22.99	23.13	23.25								
1.4	16QAM	1	16	23.24	23.26	23.44								
1.4	16QAM	8	0	22.24	22.25	22.27								
1.4	16QAM	8	4	21.92	21.95	21.94	23.5	2						
1.4	16QAM	8	8	22.11	22.11	22.11								
1.4	16QAM	8	12	22.22	22.13	22.02								
1.4	16QAM	8	16	21.90	21.12	20.89								
1.4	16QAM	16	0	21.05	20.98	20.98	22.5	3						
1.4	16QAM	1	0	19.13	19.13	19.16								
1.4	16QAM	1	8	19.03	19.25	19.11								
1.4	16QAM	1	16	19.12	19.19	19.38								
1.4	256QAM	1	0	19.16	19.18	19.30	20.5	5						
1.4	256QAM	1	8	19.17	19.42	19.40								
1.4	256QAM	1	16	19.17	19.42	19.40								
1.4	256QAM	16	0	19.17	19.42	19.40								

Band 38 Ant4 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.60	24.81	24.73	25.5	0	
20	QPSK	1	49	24.73	24.73	24.74			
20	QPSK	1	99	24.63	24.77	24.70			
20	QPSK	50	0	23.62	23.81	23.73	24.5	1	
20	QPSK	50	24	23.75	23.76	23.75			
20	QPSK	50	50	23.74	23.72	23.71			
20	QPSK	100	0	23.66	23.73	23.72	24.5	1	
20	16QAM	1	0	23.76	23.75	23.72			
20	16QAM	1	49	23.84	23.85	23.82			
20	16QAM	1	99	23.72	23.77	23.68	23.5	2	
20	16QAM	50	0	22.65	22.74	22.74			
20	16QAM	50	24	22.80	22.79	22.78			
20	16QAM	50	50	22.78	22.82	22.73	23.5	2	
20	16QAM	100	0	22.73	22.74	22.72			
20	64QAM	1	0	22.63	22.73	22.64			
20	64QAM	1	49	22.60	22.88	22.88	22.5	2	
20	64QAM	1	99	22.74	22.80	22.60			
20	64QAM	50	0	21.64	21.72	21.72			
20	64QAM	50	24	21.79	21.78	21.76	22.5	3	
20	64QAM	50	50	21.77	21.82	21.71			
20	64QAM	100	0	21.74	21.72	21.71			
20	256QAM	1	0	19.69	19.82	19.72	20.5	5	
20	256QAM	1	49	19.75	19.68	19.67			
20	256QAM	1	99	19.56	19.76	19.65			
20	256QAM	50	0	19.50	19.81	19.80	20.5	5	
20	256QAM	50	24	19.67	19.73	19.68			
20	256QAM	50	50	19.70	19.65	19.63			
20	256QAM	100	0	19.59	19.66	19.61			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	24.50	24.66	24.69	25.5	0	
15	QPSK	1	37	24.65	24.65	24.58			
15	QPSK	1	74	24.50	24.70	24.60			
15	QPSK	36	0	23.55	23.66	23.63	24.5	1	
15	QPSK	36	20	23.70	23.66	23.69			
15	QPSK	36	39	23.62	23.75	23.62			
15	QPSK	75	0	23.60	23.67	23.65	24.5	1	
15	16QAM	1	0	23.59	23.65	23.55			
15	16QAM	1	37	23.66	23.81	23.72			
15	16QAM	1	74	23.55	23.66	23.57	23.5	2	
15	16QAM	36	0	22.59	22.58	22.64			
15	16QAM	36	20	22.67	22.69	22.65			
15	16QAM	36	39	22.68	22.67	22.67	23.5	2	
15	16QAM	75	0	22.65	22.67	22.59			
15	64QAM	1	0	22.48	22.59	22.60			
15	64QAM	1	37	22.85	22.76	22.78	23.5	2	
15	64QAM	1	74	22.61	22.70	22.47			
15	64QAM	36	0	21.53	21.64	21.56			
15	64QAM	36	20	21.74	21.67	21.62	22.5	3	
15	64QAM	36	39	21.72	21.66	21.58			
15	64QAM	75	0	21.62	21.59	21.59			
15	256QAM	1	0	19.52	19.68	19.79	20.5	5	
15	256QAM	1	37	19.67	19.77	19.66			
15	256QAM	1	74	19.44	19.66	19.53			
15	256QAM	36	0	19.66	19.71	19.66	20.5	5	
15	256QAM	36	20	19.77	19.74	19.66			
15	256QAM	36	39	19.56	19.66	19.73			
15	256QAM	75	0	19.68	19.67	19.56			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.55	24.56	24.69	25.5	0	
10	QPSK	1	25	24.64	24.70	24.61			
10	QPSK	1	49	24.53	24.63	24.64			
10	QPSK	25	0	23.52	23.60	23.56	24.5	1	
10	QPSK	25	12	23.60	23.72	23.60			
10	QPSK	25	25	23.58	23.65	23.61			
10	QPSK	50	0	23.57	23.58	23.61	24.5	1	
10	16QAM	1	0	23.72	23.63	23.55			
10	16QAM	1	25	23.75	23.80	23.71			
10	16QAM	1	49	23.66	23.69	23.57	23.5	2	
10	16QAM	25	0	22.52	22.61	22.62			
10	16QAM	25	12	22.68	22.61	22.73			
10	16QAM	25	25	22.68	22.68	22.57	23.5	2	
10	16QAM	50	0	22.57	22.58	22.61			
10	64QAM	1	0	22.58	22.57	22.55			
10	64QAM	1	25	22.83	22.80	22.82	23.5	2	
10	64QAM	1	49	22.56	22.68	22.47			
10	64QAM	25	0	21.59	21.59	21.59			
10	64QAM	25	12	21.63	21.70	21.67	22.5	3	
10	64QAM	25	25	21.61	21.64	21.63			
10	64QAM	50	0	21.70	21.57	21.59			
10	256QAM	1	0	19.58	19.50	19.62	20.5	5	
10	256QAM	1	25	19.69	19.77	19.72			
10	256QAM	1	49	19.49	19.69	19.55			
10	256QAM	25	0	19.45	19.70	19.47	20.5	5	
10	256QAM	25	12	19.62	19.71	19.59			
10	256QAM	25	25	19.47	19.64	19.66			
10	256QAM	50	0	19.49	19.70	19.61			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.48	24.67	24.59	25.5	0	
5	QPSK	1	12	24.58	24.65	24.57			
5	QPSK	1	24	24.46	24.71	24.61			
5	QPSK	12	0	23.56	23.65	23.56	24.5	1	
5	QPSK	12	7	23.58	23.69	23.63			
5	QPSK	12	13	23.66	23.63	23.66			
5	QPSK	25	0	23.60	23.59	23.55	24.5	1	
5	16QAM	1	0	23.71	23.65	23.58			
5	16QAM	1	12	23.71	23.70	23.70			
5	16QAM	1	24	23.54	23.63	23.53	23.5	2	
5	16QAM	12	0	22.54	22.58	22.66			
5	16QAM	12	7	22.71	22.68	22.70			
5	16QAM	12	13	22.67	22.72	22.58	23.5	2	
5	16QAM	25	0	22.67	22.68	22.55			
5	64QAM	1	0	22.47	22.58	22.50			
5	64QAM	1	12	22.72	22.80	22.77	23.5	2	
5	64QAM	1	24	22.68	22.74	22.49			
5	64QAM	12	0	21.56	21.61	21.57			
5	64QAM	12	7	21.64	21.67	21.70	22.5	3	
5	64QAM	12	13	21.68	21.72	21.66			
5	64QAM	25	0	21.62	21.60	21.59			
5	256QAM	1	0	19.51	19.66	19.70	20.5	5	
5	256QAM	1	12	19.63	19.65	19.47			
5	256QAM	1	24	19.42	19.66	19.62			
5	256QAM	12	0	19.61	19.62	19.67	20.5	5	
5	256QAM	12	7	19.70	19.64	19.69			
5	256QAM	12	13	19.76	19.70	19.62			
5	256QAM	25	0	19.54	19.67	19.59			

Band 41 Ant4 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.77	24.69	24.84	24.47	24.47	25.5	0
20	QPSK	1	49	24.73	24.66	24.82	24.57	24.53		
20	QPSK	1	99	24.69	24.69	24.80	24.58	24.52		
20	QPSK	50	0	23.82	23.67	23.92	23.68	23.59		
20	QPSK	50	24	23.79	23.75	23.83	23.69	23.55	24.5	1
20	QPSK	50	50	23.81	23.73	23.88	23.65	23.53		
20	QPSK	100	0	23.80	23.74	23.90	23.65	23.56		
20	16QAM	1	0	23.65	23.60	23.83	23.61	23.57		
20	16QAM	1	49	23.87	23.74	23.87	23.68	23.53	24.5	1
20	16QAM	1	99	23.63	23.72	23.79	23.58	23.49		
20	16QAM	50	0	22.81	22.70	22.83	22.72	22.57		
20	16QAM	50	24	22.84	22.75	22.95	22.69	22.56		
20	16QAM	50	50	22.80	22.73	22.89	22.65	22.59	23.5	2
20	16QAM	100	0	22.82	22.75	22.88	22.68	22.58		
20	64QAM	1	0	22.74	22.57	22.85	22.63	22.54		
20	64QAM	1	49	22.80	22.73	22.89	22.68	22.53		
20	64QAM	1	99	22.74	22.59	22.77	22.60	22.55	23.5	2
20	64QAM	50	0	21.81	21.69	21.82	21.71	21.62		
20	64QAM	50	24	21.83	21.76	21.91	21.68	21.59		
20	64QAM	50	50	21.79	21.72	21.89	21.65	21.61		
20	64QAM	100	0	21.81	21.74	21.89	21.69	21.58	22.5	3
20	256QAM	1	0	19.77	19.66	19.79	19.56	19.52		
20	256QAM	1	49	19.73	19.61	19.86	19.52	19.48		
20	256QAM	1	99	19.73	19.72	19.83	19.63	19.60		
20	256QAM	50	0	19.71	19.69	19.89	19.63	19.59	20.5	5
20	256QAM	50	24	19.76	19.68	19.90	19.68	19.65		
20	256QAM	50	50	19.91	19.72	19.77	19.57	19.54		
20	256QAM	100	0	19.78	19.63	19.91	19.54	19.62		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.68	24.53	24.73	24.58	24.42	25.5	0
15	QPSK	1	37	24.85	24.55	24.78	24.45	24.48		
15	QPSK	1	74	24.63	24.52	24.75	24.47	24.45		
15	QPSK	36	0	23.76	23.62	23.72	23.57	23.49		
15	QPSK	36	20	23.71	23.63	23.75	23.57	23.46	24.5	1
15	QPSK	36	39	23.89	23.61	23.79	23.55	23.47		
15	QPSK	75	0	23.67	23.67	23.75	23.58	23.40		
15	16QAM	1	0	23.54	23.52	23.71	23.53	23.42		
15	16QAM	1	37	23.72	23.60	23.76	23.64	23.48	24.5	1
15	16QAM	1	74	23.46	23.65	23.67	23.50	23.45		
15	16QAM	36	0	22.77	22.60	22.66	22.58	22.44		
15	16QAM	36	20	22.73	22.71	22.78	22.55	22.48		
15	16QAM	36	39	22.67	22.64	22.71	22.48	22.47	23.5	2
15	16QAM	75	0	22.66	22.66	22.77	22.59	22.51		
15	64QAM	1	0	22.58	22.44	22.62	22.49	22.46		
15	64QAM	1	37	22.47	22.62	22.73	22.55	22.38		
15	64QAM	1	74	22.57	22.42	22.65	22.46	22.43	23.5	2
15	64QAM	36	0	21.76	21.52	21.67	21.61	21.49		
15	64QAM	36	20	21.69	21.64	21.76	21.58	21.44		
15	64QAM	36	39	21.73	21.56	21.79	21.50	21.45		
15	64QAM	75	0	21.77	21.56	21.81	21.62	21.40	22.5	3
15	256QAM	1	0	19.72	19.50	19.69	19.58	19.46		
15	256QAM	1	37	19.71	19.52	19.67	19.47	19.49		
15	256QAM	1	74	19.83	19.52	19.73	19.51	19.44		
15	256QAM	36	0	19.80	19.66	19.75	19.57	19.48	20.5	5
15	256QAM	36	20	19.74	19.65	19.73	19.58	19.44		
15	256QAM	36	39	19.71	19.65	19.74	19.54	19.43		
15	256QAM	75	0	19.69	19.73	19.75	19.62	19.36		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.68	24.55	24.67	24.44	24.43	25.5	0
10	QPSK	1	25	24.67	24.53	24.71	24.50	24.48		
10	QPSK	1	49	24.63	24.56	24.81	24.45	24.48		
10	QPSK	25	0	23.77	23.60	23.66	23.51	23.51		
10	QPSK	25	12	23.74	23.68	23.82	23.54	23.49	24.5	1
10	QPSK	25	25	23.76	23.63	23.75	23.50	23.47		
10	QPSK	50	0	23.71	23.59	23.81	23.56	23.49		
10	16QAM	1	0	23.58	23.56	23.77	23.54	23.53		
10	16QAM	1	25	23.82	23.65	23.74	23.59	23.46	24.5	1
10	16QAM	1	49	23.47	23.65	23.69	23.52	23.48		
10	16QAM	25	0	22.74	22.61	22.77	22.58	22.50		
10	16QAM	25	12	22.70	22.64	22.77	22.55	22.51		
10	16QAM	25	25	22.75	22.69	22.72	22.54	22.44	23.5	2
10	16QAM	50	0	22.77	22.66	22.77	22.52	22.42		
10	64QAM	1	0	22.64	22.40	22.64	22.54	22.47		
10	64QAM	1	25	22.43	22.65	22.69	22.54	22.48		
10	64QAM	1	49	22.64	22.54	22.68	22.52	22.38	22.5	3
10	64QAM	25	0	21.75	21.54	21.77	21.56	21.46		
10	64QAM	25	12	21.77	21.71	21.77	21.62	21.45		
10	64QAM	25	25	21.64	21.68	21.84	21.51	21.48		
10	64QAM	50	0	21.75	21.64	21.82	21.63	21.52	20.5	5
10	256QAM	1	0	19.69	19.55	19.70	19.42	19.42		
10	256QAM	1	25	19.72	19.51	19.75	19.54	19.45		
10	256QAM	1	49	19.68	19.58	19.78	19.51	19.49		
10	256QAM	25	0	19.73	19.61	19.67	19.47	19.47	20.5	5
10	256QAM	25	12	19.76	19.66	19.79	19.57	19.45		
10	256QAM	25	25	19.74	19.67	19.77	19.53	19.42		
10	256QAM	50	0	19.71	19.63	19.78	19.51	19.53		
Channel				3967.5	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2504.5	2545.3	2593	2640.30	2687.5		
5	QPSK	1	0	24.76	24.59	24.66	24.46	24.41	25.5	0
5	QPSK	1	12	24.63	24.56	24.75	24.43	24.46		
5	QPSK	1	24	24.61	24.59	24.78	24.54	24.46		
5	QPSK	12	0	23.65	23.57	23.74	23.63	23.50		
5	QPSK	12	7	23.75	23.59	23.78	23.52	23.49	24.5	1
5	QPSK	12	13	23.76	23.66	23.71	23.49	23.45		
5	QPSK	25	0	23.68	23.61	23.78	23.48	23.51		
5	16QAM	1	0	23.59	23.53	23.76	23.55	23.49		
5	16QAM	1	12	23.71	23.59	23.76	23.60	23.44	24.5	1
5	16QAM	1	24	23.55	23.60	23.64	23.46	23.38		
5	16QAM	12	0	22.71	22.63	22.78	22.59	22.51		
5	16QAM	12	7	22.79	22.61	22.82	22.53	22.49		
5	16QAM	12	13	22.66	22.66	22.84	22.53	22.54	23.5	2
5	16QAM	25	0	22.69	22.63	22.76	22.51	22.52		
5	64QAM	1	0	22.67	22.44	22.70	22.54	22.47		
5	64QAM	1	12	22.45	22.60	22.71	22.58	22.36		
5	64QAM	1	24	22.67	22.47	22.60	22.45	22.40	22.5	3
5	64QAM	12	0	21.71	21.55	21.67	21.59	21.47		
5	64QAM	12	7	21.72	21.65	21.79	21.69	21.53		
5	64QAM	12	13	21.71	21.61	21.75	21.67	21.49		
5	64QAM	25	0	21.67	21.69	21.75	21.56	21.47	20.5	5
5	256QAM	1	0	19.73	19.62	19.62	19.40	19.44		
5	256QAM	1	12	19.67	19.60	19.79	19.43	19.45		
5	256QAM	1	24	19.59	19.64	19.75	19.59	19.51		
5	256QAM	12	0	19.61	19.59	19.71	19.67	19.53	20.5	5
5	256QAM	12	7	19.69	19.55	19.79	19.49	19.47		
5	256QAM	12	13	19.71	19.63	19.67	19.53	19.42		
5	256QAM	25	0	19.62	19.59	19.79	19.52	19.56		



Band 4 Ant5 Default												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Turn-up Init (dB)	APR (dB)			
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.82	22.81	22.87	22.87	24.5	0			
20	QPSK	1	49	22.80	22.86	22.80	22.86					
20	QPSK	1	99	22.81	22.81	22.79	22.79					
20	QPSK	50	24	21.90	21.85	21.92	21.92					
20	QPSK	50	50	21.86	21.87	21.83	21.83	23.5	1			
20	QPSK	100	0	21.85	21.83	21.80	21.80					
20	16QAM	1	0	22.22	22.22	22.21	22.21					
20	16QAM	1	49	22.33	22.37	22.28	22.28					
20	16QAM	1	99	22.06	22.14	22.14	22.14	22.5	2			
20	16QAM	50	0	20.92	20.92	20.89	20.89					
20	16QAM	50	24	20.98	20.89	20.86	20.86					
20	16QAM	50	50	20.91	20.89	20.81	20.81					
20	8QAM	1	0	20.97	21.01	21.01	21.01	22.5	2			
20	8QAM	1	49	21.07	21.13	21.03	21.03					
20	8QAM	1	99	20.92	20.88	20.83	20.83					
20	8QAM	50	0	19.94	19.92	19.83	19.83					
20	8QAM	50	24	19.97	19.89	19.83	19.83	21.5	3			
20	8QAM	50	50	19.92	19.89	19.85	19.85					
20	256QAM	1	0	17.88	17.81	17.89	17.89					
20	256QAM	1	49	17.89	17.79	17.80	17.80					
20	256QAM	1	99	17.83	17.79	17.80	17.80	19.5	5			
20	256QAM	50	0	17.90	18.00	17.92	17.92					
20	256QAM	50	24	17.90	17.86	17.82	17.82					
20	256QAM	50	50	17.90	17.88	17.83	17.83					
Channel				20.93	20.93	20.93	20.93	Turn-up Init (dB)	APR (dB)			
Frequency (MHz)				20.93	20.93	20.93	20.93	20.93	20.93			
15	QPSK	1	0	22.86	22.85	22.89	22.89	24.5	0			
15	QPSK	1	49	22.86	22.86	22.81	22.81					
15	QPSK	1	99	22.86	22.88	22.81	22.81					
15	QPSK	36	0	21.74	21.84	21.78	21.78					
15	QPSK	36	24	21.84	21.73	21.82	21.82	23.5	1			
15	QPSK	36	50	21.72	21.79	21.69	21.69					
15	QPSK	75	0	21.89	21.79	21.82	21.82					
15	16QAM	1	49	22.11	22.12	22.23	22.23					
15	16QAM	1	74	21.92	22.02	21.84	21.84	23.5	1			
15	16QAM	36	0	20.82	20.86	20.82	20.82					
15	16QAM	36	20	20.88	20.81	20.82	20.82					
15	16QAM	36	50	20.77	20.78	20.76	20.76					
15	16QAM	75	0	20.77	20.78	20.76	20.76	22.5	2			
15	16QAM	36	0	20.87	21.02	20.99	20.99					
15	8QAM	1	0	20.86	20.95	20.95	20.95					
15	8QAM	1	49	20.87	20.96	20.95	20.95					
15	8QAM	25	0	19.80	19.80	19.72	19.72	22.5	2			
15	8QAM	25	12	19.92	19.83	19.86	19.86					
15	8QAM	25	24	19.81	19.82	19.75	19.75					
15	8QAM	36	0	19.87	19.86	19.81	19.81					
15	256QAM	1	0	17.87	17.94	17.73	17.73	21.5	3			
15	256QAM	1	25	17.72	17.74	17.77	17.77					
15	256QAM	1	49	17.68	17.61	17.59	17.59					
15	256QAM	25	0	17.99	17.68	17.91	17.91					
15	256QAM	25	12	17.73	17.62	17.64	17.64	19.5	5			
15	256QAM	25	24	17.76	17.73	17.65	17.65					
15	256QAM	25	50	17.76	17.73	17.65	17.65					
15	256QAM	75	0	17.76	17.73	17.65	17.65					
Channel				19.95	19.95	19.95	19.95	Turn-up Init (dB)	APR (dB)			
Frequency (MHz)				19.95	19.95	19.95	19.95	19.95	19.95			
5	QPSK	1	0	22.85	22.91	22.85	22.85	24.5	0			
5	QPSK	1	12	22.82	22.84	22.77	22.77					
5	QPSK	1	25	22.66	22.66	22.62	22.62					
5	QPSK	12	0	21.77	21.80	21.77	21.77					
5	QPSK	12	7	21.93	21.70	21.88	21.88	23.5	1			
5	QPSK	12	14	21.75	21.75	21.75	21.75					
5	QPSK	25	0	21.86	21.75	21.78	21.78					
5	16QAM	1	0	22.08	22.20	22.21	22.21	23.5	1			
5	16QAM	1	12	22.08	22.25	22.24	22.24					
5	16QAM	1	24	21.93	22.10	21.87	21.87					
5	16QAM	12	0	20.83	20.81	20.82	20.82	22.5	2			
5	16QAM	12	7	20.83	20.81	20.82	20.82					
5	16QAM	12	14	20.83	20.78	20.79	20.79					
5	8QAM	1	0	20.92	21.10	20.93	20.93	22.5	2			
5	8QAM	1	12	21.00	20.97	21.15	21.15					
5	8QAM	1	25	20.92	20.96	20.95	20.95					
5	8QAM	12	0	19.85	19.78	19.73	19.73	21.5	3			
5	8QAM	12	7	19.85	19.82	19.86	19.86					
5	8QAM	12	14	19.86	19.78	19.80	19.80					
5	8QAM	25	0	19.91	19.88	19.82	19.82	19.5	5			
5	256QAM	1	0	17.79	17.89	17.69	17.69					
5	256QAM	1	12	17.71	17.71	17.71	17.71					
5	256QAM	1	24	17.63	17.62	17.69	17.69	19.5	5			
5	256QAM	12	0	17.76	17.67	17.69	17.69					
5	256QAM	12	14	17.75	17.68	17.73	17.73					
Channel				19.95	19.95	19.95	19.95	Turn-up Init (dB)	APR (dB)			
Frequency (MHz)				17.15	17.25	17.35	17.44	17.44	17.44			
1.4	QPSK	1	0	22.72	22.80	22.81	22.81	24.5	0			
1.4	QPSK	1	3	22.86	22.74	22.85	22.85					
1.4	QPSK	1	14	22.64	22.64	22.62	22.62					
1.4	QPSK	8	0	21.79	20.81	21.74	21.74					
1.4	QPSK	8	4	21.94	21.71	21.87	21.87	23.5	1			
1.4	QPSK	8	7	21.73	21.70	21.66	21.66					
1.4	QPSK	15	0	21.78	21.63	21.63	21.63					
1.4	16QAM	1	0	22.09	22.08	22.04	22.04	23.5	1			
1.4	16QAM	1	8	22.21	22.22	22.20	22.20					
1.4	16QAM	1	15	21.82	21.81	21.81	21.81					
1.4	16QAM	8	0	20.75	20.74	20.62	20.62	22.5	2			
1.4	16QAM	8	4	20.92	20.70	20.80	20.80					
1.4	16QAM	8	7	20.79	20.79	20.79	20.79					
1.4	16QAM	15	0	20.87	20.76	20.85	20.85	22.5	2			
1.4	16QAM	15	4	20.87	20.78	20.78	20.78					
1.4	16QAM	15	7	20.87	20.78	20.78	20.78					
1.4	8QAM	1	0	20.94	20.95	21.13	21.13	22.5	2			
1.4	8QAM	1	14	20.80	20.83	20.71	20.71					
1.4	8QAM	1	21	20.87	20.80	20.80	20.80					
1.4	8QAM	8	0	19.92	19.83	19.85	19.85	21.5	3			
1.4	8QAM	8	7	19.76	19.76	19.71	19.71					
1.4	8QAM	8	14	19.82	19.76	19.76	19.76					
1.4	256QAM	1	0	17.74	17.81	17.87	17.87	19.5	5			
1.4	256QAM	1	8	17.67	17.97	17.75	17.75					
1.4	256QAM	1	15	17.71	17.81	17.80	17.80					
1.4	256QAM	8	0	17.87	17.68	17.88	17.88	19.5	5			
1.4	256QAM	8	4	18.00	17.68	17.89	17.89					
1.4	256QAM	8	7	17.76	17.81	17.81	17.81					
1.4	256QAM	15	0	17.71	17.74	17.84	17.84	19.5	5			
1.4	256QAM	15	4	17.88	17.78	17.79	17.79					
1.4	256QAM	15	7	17.88	17.78	17.79	17.79					
Channel				17.57	17.57	17.57	17.57	Turn-up Init (dB)	APR (dB)			
Frequency (MHz)				17.57	17.57	17.57	17.57	17.57	17.57			
1.4	QPSK	1	0	22.74	22.76	22.81	22.81	24.5	0			
1.4	QPSK	1	3	22.86	22.74	22.85	22.85					
1.4	QPSK	1	14	22.64	22.64	22.62	22.62					
1.4	QPSK	8	0	21.79	20.81	21.74	21.74					
1.4	QPSK	8	4	21.94	21.71	21.87	21.87	23.5	1			
1.4	QPSK	8	7	21.73	21.70	21.66	21.66					
1.4	QPSK	15	0	21.78	21.63	21.63	21.63					
1.4	16QAM	1	0	21.56	21.75	21.80	21.80	23.5	1			
1.4	16QAM	1	5	21.88	21.66	21.77	21.77					
1.4	16QAM	1	12	22.18	22.18	22.24	22.24					
1.4	16QAM	1	3	22.04	21.90	21.93	21.93	22.5	2			
1.4	16QAM	8	0	20.86	20.95	20.99	20.99					
1.4	16QAM	8	4	20.91	20.80	20.88	20.88					
1.4	16QAM	8	7	20.87	20.80	20.80	20.80	22.5	2			
1.4	16QAM	8	14	20.76	20.10	21.07	21.07					
1.4	16QAM	15	0	20.79	20.82	20.79	20.79					
1.4	8QAM	1	0	20.78	20.69	20.66	20.66	21.5	3			
1.4	8QAM	1	7	17.88	17.77	17.87	17.87					
1.4	8QAM	1	14	17.79	17.81	17.82	17.82					
1.4	256QAM	1	0	18.00	17.68	17.88	17.88	19.5	5			
1.4	256QAM	1	3	17.62	17.66	17.79	17.79					
1.4	256QAM	1	12	17.69	17.68	17.78	17.78					

Band 38 Ant5 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.24	24.37	24.28	25.5	0	
20	QPSK	1	49	24.34	24.08	24.29			
20	QPSK	1	99	24.36	24.36	24.23			
20	QPSK	50	0	23.25	23.38	23.31	24.5	1	
20	QPSK	50	24	23.19	23.31	23.35			
20	QPSK	50	50	23.33	23.35	23.30			
20	QPSK	100	0	23.27	23.32	23.29	24.5	1	
20	16QAM	1	0	23.32	23.34	23.37			
20	16QAM	1	49	23.63	23.60	23.57			
20	16QAM	1	99	23.36	23.35	23.31	23.5	2	
20	16QAM	50	0	22.24	22.29	22.32			
20	16QAM	50	24	22.36	22.37	22.37			
20	16QAM	50	50	22.35	22.39	22.29	23.5	2	
20	16QAM	100	0	22.34	22.27	22.30			
20	64QAM	1	0	22.17	22.32	22.30			
20	64QAM	1	49	22.34	22.44	22.41	23.5	2	
20	64QAM	1	99	22.22	22.34	22.25			
20	64QAM	50	0	21.24	21.31	21.31			
20	64QAM	50	24	21.37	21.35	21.35	22.5	3	
20	64QAM	50	50	21.35	21.40	21.31			
20	64QAM	100	0	21.33	21.34	21.32			
20	256QAM	1	0	19.22	19.47	19.19	20.5	5	
20	256QAM	1	49	19.36	19.19	19.35			
20	256QAM	1	99	19.26	19.46	19.27			
20	256QAM	50	0	19.20	19.27	19.27	20.5	5	
20	256QAM	50	24	19.27	19.40	19.31			
20	256QAM	50	50	19.36	19.47	19.29			
20	256QAM	100	0	19.10	19.38	19.19			
Channel				37325	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	24.16	24.03	24.15	25.5	0	
15	QPSK	1	37	24.25	24.23	24.15			
15	QPSK	1	74	24.23	24.31	24.10			
15	QPSK	36	0	23.07	23.21	23.15	24.5	1	
15	QPSK	36	20	23.20	23.29	23.23			
15	QPSK	36	39	23.19	23.25	23.17			
15	QPSK	75	0	23.22	23.14	23.12	24.5	1	
15	16QAM	1	0	23.14	23.17	23.26			
15	16QAM	1	37	23.49	23.46	23.50			
15	16QAM	1	74	23.38	23.20	23.24	23.5	2	
15	16QAM	36	0	22.16	22.23	22.23			
15	16QAM	36	20	22.32	22.27	22.32			
15	16QAM	36	39	22.30	22.34	22.12	23.5	2	
15	16QAM	75	0	22.20	22.17	22.24			
15	64QAM	1	0	22.08	22.27	22.16			
15	64QAM	1	37	22.28	22.35	22.35	23.5	2	
15	64QAM	1	74	22.14	22.17	22.17			
15	64QAM	36	0	21.10	21.26	21.21			
15	64QAM	36	20	21.26	21.21	21.19	22.5	3	
15	64QAM	36	39	21.19	21.28	21.14			
15	64QAM	75	0	21.26	21.29	21.15			
15	256QAM	1	0	19.04	19.07	19.25	20.5	5	
15	256QAM	1	37	19.25	19.18	19.25			
15	256QAM	1	74	19.23	19.24	19.19			
15	256QAM	36	0	19.10	19.15	19.18	20.5	5	
15	256QAM	36	20	19.23	19.36	19.33			
15	256QAM	36	39	19.10	19.36	19.10			
15	256QAM	75	0	19.27	19.18	19.14			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	24.18	23.96	24.11	25.5	0	
10	QPSK	1	25	24.25	24.33	24.17			
10	QPSK	1	49	24.26	24.22	24.07			
10	QPSK	25	0	23.15	23.22	23.25	24.5	1	
10	QPSK	25	12	23.34	23.30	23.22			
10	QPSK	25	25	23.20	23.25	23.17			
10	QPSK	50	0	23.17	23.20	23.18	24.5	1	
10	16QAM	1	0	23.25	23.22	23.22			
10	16QAM	1	25	23.52	23.47	23.48			
10	16QAM	1	49	23.32	23.28	23.15	23.5	2	
10	16QAM	25	0	22.08	22.22	22.23			
10	16QAM	25	12	22.23	22.26	22.25			
10	16QAM	25	25	22.24	22.32	22.23	23.5	2	
10	16QAM	50	0	22.29	22.15	22.14			
10	64QAM	1	0	22.01	22.23	22.17			
10	64QAM	1	25	22.16	22.28	22.31	23.5	2	
10	64QAM	1	49	22.07	22.17	22.13			
10	64QAM	25	0	21.13	21.15	21.18			
10	64QAM	25	12	21.31	21.22	21.31	22.5	3	
10	64QAM	25	25	21.18	21.24	21.15			
10	64QAM	50	0	21.22	21.20	21.21			
10	256QAM	1	0	19.14	18.98	19.09	20.5	5	
10	256QAM	1	25	19.36	19.35	19.11			
10	256QAM	1	49	19.20	19.17	19.16			
10	256QAM	25	0	19.10	19.20	19.36	20.5	5	
10	256QAM	25	12	19.45	19.32	19.19			
10	256QAM	25	25	19.22	19.16	19.28			
10	256QAM	50	0	19.08	19.28	19.21			
Channel				37775	38000	38025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.15	24.03	24.14	25.5	0	
5	QPSK	1	12	24.17	24.22	24.11			
5	QPSK	1	24	24.26	24.21	24.10			
5	QPSK	12	0	23.12	23.25	23.19	24.5	1	
5	QPSK	12	7	23.27	23.30	23.28			
5	QPSK	12	13	23.21	23.24	23.14			
5	QPSK	25	0	23.17	23.10	23.22	24.5	1	
5	16QAM	1	0	23.24	23.17	23.29			
5	16QAM	1	12	23.53	23.48	23.46			
5	16QAM	1	24	23.18	23.22	23.26	23.5	2	
5	16QAM	12	0	22.07	22.13	22.18			
5	16QAM	12	7	22.25	22.20	22.25			
5	16QAM	12	13	22.28	22.33	22.15	23.5	2	
5	16QAM	25	0	22.27	22.21	22.14			
5	64QAM	1	0	22.06	22.15	22.19			
5	64QAM	1	12	22.18	22.37	22.36	23.5	2	
5	64QAM	1	24	22.12	22.28	22.09			
5	64QAM	12	0	21.10	21.22	21.13			
5	64QAM	12	7	21.31	21.30	21.27	22.5	3	
5	64QAM	12	13	21.18	21.24	21.13			
5	64QAM	25	0	21.23	21.18	21.13	20.5	5	
5	256QAM	1	0	19.18	19.11	19.25			
5	256QAM	1	12	19.18	19.16	19.02			
5	256QAM	1	24	19.28	19.15	18.98	20.5	5	
5	256QAM	12	0	19.17	19.22	19.25			
5	256QAM	12	7	19.23	19.32	19.31			
5	256QAM	12	13	19.19	19.14	19.03			
5	256QAM	25	0	19.18	19.16	19.14			

Band 7 Ant7 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20550	21100	21350	24.5	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.14	23.24	23.19	23.5	1
20	QPSK	1	49	23.06	23.15	23.03		
20	QPSK	1	99	23.09	23.19	23.07		
20	QPSK	50	0	22.04	22.18	22.12	22.5	2
20	QPSK	50	24	21.96	22.11	22.03		
20	QPSK	50	50	22.05	22.13	21.99		
20	QPSK	100	0	22.18	22.24	22.13	22.5	2
20	16QAM	1	0	22.03	22.17	22.02		
20	16QAM	1	49	22.14	22.22	22.10		
20	16QAM	1	99	22.09	22.19	22.12	21.5	3
20	16QAM	50	0	21.08	21.22	21.11		
20	16QAM	50	24	21.14	21.28	21.16		
20	16QAM	50	50	21.15	21.22	21.10	22.5	2
20	16QAM	100	0	21.02	21.13	21.08		
20	64QAM	1	0	21.10	21.21	21.16		
20	64QAM	1	49	21.11	21.18	21.07	21.5	3
20	64QAM	1	99	21.05	21.14	21.08		
20	64QAM	50	0	20.05	20.10	19.95		
20	64QAM	50	24	20.09	20.20	20.12	19.5	5
20	64QAM	50	50	20.16	20.25	20.19		
20	64QAM	100	0	20.15	20.24	20.12		
20	256QAM	1	0	18.06	18.13	18.03	19.5	5
20	256QAM	1	49	18.05	18.19	18.09		
20	256QAM	1	99	18.14	18.25	18.10		
20	256QAM	50	0	18.05	18.19	18.11	19.5	5
20	256QAM	50	24	18.26	18.33	18.21		
20	256QAM	50	50	18.29	18.34	18.25		
20	256QAM	100	0	18.07	18.21	18.12	Tune-up limit (dBm)	MPR (dB)
Channel				20825	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5	24.5	0
15	QPSK	1	0	23.06	23.16	23.11		
15	QPSK	1	37	22.96	23.07	22.92	23.5	1
15	QPSK	1	74	22.97	23.13	22.98		
15	QPSK	36	0	21.94	22.12	22.02		
15	QPSK	36	20	21.87	22.06	21.90	22.5	2
15	QPSK	36	39	21.96	22.03	21.93		
15	QPSK	75	0	22.04	22.13	22.00		
15	16QAM	1	0	21.90	22.02	21.95	23.5	1
15	16QAM	1	37	21.99	22.10	21.96		
15	16QAM	1	74	21.94	22.08	22.01		
15	16QAM	36	0	20.95	21.07	21.05	22.5	2
15	16QAM	36	20	21.01	21.21	21.02		
15	16QAM	36	39	21.07	21.10	20.97		
15	16QAM	75	0	20.89	20.99	21.02	22.5	2
15	64QAM	1	0	20.98	21.15	21.09		
15	64QAM	1	37	21.01	21.03	20.93		
15	64QAM	1	74	20.99	21.00	21.02	21.5	3
15	64QAM	36	0	19.97	19.97	19.80		
15	64QAM	36	20	19.98	20.09	19.99		
15	64QAM	36	39	20.08	20.16	20.06	19.5	5
15	64QAM	75	0	20.08	20.16	19.98		
15	256QAM	1	0	17.98	17.98	17.94		
15	256QAM	1	37	17.92	18.11	17.99	24.5	0
15	256QAM	1	74	18.06	18.18	18.04		
15	256QAM	36	0	17.98	18.13	18.05		
15	256QAM	36	20	18.14	18.26	18.07	19.5	5
15	256QAM	36	39	18.24	18.21	18.16		
15	256QAM	75	0	17.97	18.08	18.01		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	24.5	0
10	QPSK	1	0	23.01	23.15	23.09		
10	QPSK	1	25	22.97	23.04	22.91	23.5	1
10	QPSK	1	49	23.04	23.13	22.95		
10	QPSK	25	0	21.92	22.04	21.98		
10	QPSK	25	12	21.91	21.99	21.96	23.5	1
10	QPSK	25	25	21.90	22.01	21.91		
10	QPSK	50	0	22.13	22.11	22.01		
10	16QAM	1	0	21.89	22.10	21.89	23.5	1
10	16QAM	1	25	22.00	22.12	21.89		
10	16QAM	1	49	21.96	22.14	22.05		
10	16QAM	25	0	20.94	21.12	20.99	22.5	2
10	16QAM	25	12	21.01	21.21	21.03		
10	16QAM	25	25	21.03	21.15	21.00		
10	16QAM	50	0	20.91	20.99	20.98	22.5	2
10	64QAM	1	0	21.02	21.10	21.02		
10	64QAM	1	25	21.05	21.08	20.98		
10	64QAM	1	49	20.95	21.00	21.01	21.5	3
10	64QAM	25	0	19.98	19.98	19.88		
10	64QAM	25	12	20.01	20.14	20.00		
10	64QAM	25	25	20.06	20.15	20.06	19.5	5
10	64QAM	50	0	20.06	20.18	19.97		
10	256QAM	1	0	17.94	18.05	17.95		
10	256QAM	1	25	17.96	18.04	17.98	24.5	0
10	256QAM	1	49	18.06	18.12	17.98		
10	256QAM	25	0	17.92	18.12	18.02		
10	256QAM	25	12	18.16	18.27	18.13	19.5	5
10	256QAM	25	25	18.20	18.22	18.13		
10	256QAM	50	0	17.97	18.13	18.06		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24.5	0
5	QPSK	1	0	23.04	23.10	23.09		
5	QPSK	1	12	22.97	23.09	22.90	23.5	1
5	QPSK	1	24	23.03	23.10	23.00		
5	QPSK	12	0	21.95	22.08	22.00		
5	QPSK	12	7	21.92	21.99	21.88	23.5	1
5	QPSK	12	13	21.92	22.02	21.88		
5	QPSK	25	0	22.08	22.17	22.00		
5	16QAM	1	0	21.97	22.07	21.92	23.5	1
5	16QAM	1	12	22.07	22.08	22.00		
5	16QAM	1	24	22.02	22.14	22.06		
5	16QAM	12	0	20.97	21.14	20.97	22.5	2
5	16QAM	12	7	21.09	21.15	21.05		
5	16QAM	12	13	21.08	21.13	21.05		
5	16QAM	25	0	20.90	21.07	20.99	22.5	2
5	64QAM	1	0	21.04	21.13	21.08		
5	64QAM	1	12	21.00	21.08	20.98		
5	64QAM	1	24	20.99	21.05	20.96	21.5	3
5	64QAM	12	0	19.94	20.02	19.85		
5	64QAM	12	7	19.95	20.13	20.07		
5	64QAM	12	13	20.08	20.13	20.12	19.5	5
5	64QAM	25	0	20.08	20.17	20.07		
5	256QAM	1	0	17.98	18.08	17.96		
5	256QAM	1	12	17.97	18.07	18.02	24.5	0
5	256QAM	1	24	18.04	18.15	18.02		
5	256QAM	12	0	17.99	18.05	17.99		
5	256QAM	12	7	18.11	18.20	18.13	19.5	5
5	256QAM	12	13	18.24	18.28	18.11		
5	256QAM	25	0	17.92	18.13	17.99		

Band 42 Ant10 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	25.7	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	24.71	24.84	24.77			
20	QPSK	1	49	24.65	24.75	24.79	24.7	1	
20	QPSK	1	99	24.66	24.73	24.81			
20	QPSK	50	0	23.97	24.01	23.89			
20	QPSK	50	24	23.85	23.85	23.83	24.7	1	
20	QPSK	50	50	23.92	23.86	23.91			
20	QPSK	100	0	23.92	23.95	23.88			
20	16QAM	1	0	23.96	23.94	23.96	24.7	1	
20	16QAM	1	49	24.06	23.97	23.96			
20	16QAM	1	99	23.93	23.87	23.98			
20	16QAM	50	0	22.88	22.87	22.95	23.7	2	
20	16QAM	50	24	22.84	22.86	22.78			
20	16QAM	50	50	22.92	22.84	22.81			
20	16QAM	100	0	22.82	22.87	22.83	23.7	2	
20	64QAM	1	0	22.92	22.81	22.88			
20	64QAM	1	49	22.80	22.74	22.74			
20	64QAM	1	99	22.81	22.71	22.68	22.7	3	
20	64QAM	50	0	21.85	21.87	21.75			
20	64QAM	50	24	21.83	21.82	21.89			
20	64QAM	50	50	21.71	21.79	21.83	20.7	5	
20	64QAM	100	0	21.87	21.85	21.88			
20	256QAM	1	0	19.81	19.98	19.86			
20	256QAM	1	49	19.68	19.63	19.76	20.7	5	
20	256QAM	1	99	19.76	19.61	19.85			
20	256QAM	50	0	19.86	20.02	19.97			
20	256QAM	50	24	19.77	19.81	19.94	20.7	5	
20	256QAM	50	50	19.86	19.83	19.91			
20	256QAM	100	0	19.89	19.84	19.90			
Channel				42165	42590	43015	25.7	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	24.47	24.82	24.75			
15	QPSK	1	37	24.59	24.56	24.64	24.7	1	
15	QPSK	1	74	24.74	24.65	24.72			
15	QPSK	36	0	23.83	23.77	23.78			
15	QPSK	36	20	23.61	23.81	23.80	24.7	1	
15	QPSK	36	39	23.89	23.89	23.68			
15	QPSK	75	0	23.86	23.87	23.71			
15	16QAM	1	0	23.82	23.88	23.84	24.7	1	
15	16QAM	1	37	24.07	23.93	23.94			
15	16QAM	1	74	23.96	23.87	24.00			
15	16QAM	36	0	22.64	22.67	22.85	23.7	2	
15	16QAM	36	20	22.72	22.88	22.58			
15	16QAM	36	39	22.84	22.80	22.71			
15	16QAM	75	0	22.74	22.83	22.79	23.7	2	
15	64QAM	1	0	22.77	22.79	22.65			
15	64QAM	1	37	22.56	22.68	22.67			
15	64QAM	1	74	22.68	22.60	22.57	22.7	3	
15	64QAM	36	0	21.64	21.76	21.64			
15	64QAM	36	20	21.74	21.65	21.83			
15	64QAM	36	39	21.59	21.80	21.64	20.7	5	
15	64QAM	75	0	21.72	21.84	21.88			
15	256QAM	1	0	19.47	19.85	19.64			
15	256QAM	1	37	19.65	19.67	19.72	20.7	5	
15	256QAM	1	74	19.80	19.69	19.71			
15	256QAM	36	0	19.73	19.85	19.89			
15	256QAM	36	20	19.64	19.83	19.75	20.7	5	
15	256QAM	36	39	19.92	19.85	19.64			
15	256QAM	75	0	19.77	19.79	19.81			
Channel				42160	42590	43010	25.7	0	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	24.66	24.67	24.65			
10	QPSK	1	25	24.46	24.80	24.74	24.7	1	
10	QPSK	1	49	24.53	24.62	24.80			
10	QPSK	25	0	23.96	23.67	23.76			
10	QPSK	25	12	23.70	23.76	23.86	24.7	1	
10	QPSK	25	25	23.79	23.73	23.76			
10	QPSK	50	0	23.90	23.85	23.97			
10	16QAM	1	0	23.80	23.92	23.89	24.7	1	
10	16QAM	1	25	24.06	23.92	23.92			
10	16QAM	1	49	23.77	23.86	23.86			
10	16QAM	25	0	22.87	22.62	22.97	23.7	2	
10	16QAM	25	12	22.63	22.89	22.59			
10	16QAM	25	25	22.75	22.85	22.65			
10	16QAM	50	0	22.80	22.90	22.79	23.7	2	
10	64QAM	1	0	22.68	22.66	22.89			
10	64QAM	1	25	22.66	22.63	22.73			
10	64QAM	1	49	22.62	22.57	22.58	22.7	3	
10	64QAM	25	0	21.68	21.70	21.68			
10	64QAM	25	12	21.62	21.65	21.83			
10	64QAM	25	25	21.60	21.72	21.83	20.7	5	
10	64QAM	50	0	21.71	21.84	21.70			
10	256QAM	1	0	19.70	19.78	19.66			
10	256QAM	1	25	19.58	19.68	19.66	20.7	5	
10	256QAM	1	49	19.59	19.71	19.81			
10	256QAM	25	0	19.93	19.78	19.72			
10	256QAM	25	12	19.62	19.82	19.88	20.7	5	
10	256QAM	25	25	19.68	19.85	19.67			
10	256QAM	50	0	19.90	19.84	20.03			
Channel				42115	42590	43065	25.7	0	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	24.66	24.83	24.67			
5	QPSK	1	12	24.61	24.66	24.73	24.7	1	
5	QPSK	1	24	24.79	24.72	24.76			
5	QPSK	12	0	23.87	23.68	23.94			
5	QPSK	12	7	23.87	23.79	23.63	24.7	1	
5	QPSK	12	13	23.68	23.71	23.92			
5	QPSK	25	0	23.79	23.74	23.97			
5	16QAM	1	0	23.99	23.91	23.72	24.7	1	
5	16QAM	1	12	23.89	23.96	23.96			
5	16QAM	1	24	23.77	23.65	23.80			
5	16QAM	12	0	22.72	22.77	22.90	23.7	2	
5	16QAM	12	7	22.64	22.69	22.78			
5	16QAM	12	13	22.80	22.79	22.58			
5	16QAM	25	0	22.61	22.82	22.77	23.7	2	
5	64QAM	1	0	22.83	22.64	22.73			
5	64QAM	1	12	22.83	22.74	22.54			
5	64QAM	1	24	22.67	22.57	22.48	22.7	3	
5	64QAM	12	0	21.89	21.88	21.50			
5	64QAM	12	7	21.67	21.62	21.77			
5	64QAM	12	13	21.66	21.73	21.70	20.7	5	
5	64QAM	25	0	21.62	21.68	21.87			
5	256QAM	1	0	19.70	19.81	19.62			
5	256QAM	1	12	19.66	19.68	19.67	20.7	5	
5	256QAM	1	24	19.77	19.65	19.77			
5	256QAM	12	0	19.84	19.74	19.95			
5	256QAM	12	7	19.81	19.73	19.63	20.7	5	
5	256QAM	12	13	19.65	19.83	19.84			
5	256QAM	25	0	19.86	19.70	20.05			

Band 48 Ant10 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	23.5	0
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.32	22.39	22.42	22.24		
20	QPSK	1	49	22.31	22.24	22.38	22.26	22.5	1
20	QPSK	1	99	22.24	22.29	22.30	22.36		
20	QPSK	50	0	21.48	21.57	21.58	21.34		
20	QPSK	50	24	21.30	21.31	21.28	21.42	22.5	1
20	QPSK	50	50	21.44	21.46	21.46	21.45		
20	QPSK	100	0	21.39	21.51	21.55	21.43		
20	16QAM	1	0	21.52	21.34	21.34	21.49	22.5	1
20	16QAM	1	49	21.36	21.50	21.32	21.24		
20	16QAM	1	99	21.30	21.47	21.40	21.36		
20	16QAM	50	0	20.48	20.44	20.32	20.37	21.5	2
20	16QAM	50	24	20.36	20.38	20.58	20.60		
20	16QAM	50	50	20.50	20.41	20.49	20.54		
20	16QAM	100	0	20.40	20.37	20.52	20.38	21.5	2
20	64QAM	1	0	20.37	20.42	20.21	20.36		
20	64QAM	1	49	20.21	20.33	20.39	20.36		
20	64QAM	1	99	20.40	20.34	20.30	20.25	20.5	3
20	64QAM	50	0	19.22	19.30	19.39	19.32		
20	64QAM	50	24	19.51	19.49	19.43	19.54		
20	64QAM	50	50	19.57	19.48	19.51	19.49	18.5	5
20	64QAM	100	0	19.52	19.25	19.42	19.50		
20	256QAM	1	0	17.34	17.43	17.32	17.32		
20	256QAM	1	49	17.21	17.35	17.45	17.33	18.5	5
20	256QAM	1	99	17.15	17.22	17.19	17.44		
20	256QAM	50	0	17.59	17.57	17.47	17.26		
20	256QAM	50	24	17.41	17.38	17.24	17.34	18.5	5
20	256QAM	50	50	17.41	17.48	17.45	17.39		
20	256QAM	100	0	17.49	17.51	17.25	17.32		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3622	3662.5	23.5	0
15	QPSK	1	0	22.33	22.26	22.25	22.04		
15	QPSK	1	37	22.19	22.13	22.28	22.26		
15	QPSK	1	74	22.09	22.14	22.34	22.30	22.5	1
15	QPSK	36	0	21.29	21.43	21.36	21.11		
15	QPSK	36	20	21.13	21.25	21.14	21.23		
15	QPSK	36	39	21.30	21.25	21.40	21.27	22.5	1
15	QPSK	75	0	21.19	21.32	21.23	21.48		
15	16QAM	1	0	21.36	21.25	21.21	21.30		
15	16QAM	1	37	21.13	21.43	21.14	21.16	22.5	1
15	16QAM	1	74	21.23	21.46	21.23	21.25		
15	16QAM	36	0	20.42	20.24	20.22	20.30		
15	16QAM	36	20	20.18	20.25	20.34	20.42	21.5	2
15	16QAM	36	39	20.32	20.40	20.29	20.57		
15	16QAM	75	0	20.43	20.27	20.45	20.19		
15	64QAM	1	0	20.34	20.35	20.08	20.27	21.5	2
15	64QAM	1	37	20.13	20.19	20.30	20.32		
15	64QAM	1	74	20.38	20.12	20.17	20.19		
15	64QAM	36	0	19.19	19.30	19.41	19.34	20.5	3
15	64QAM	36	20	19.42	19.29	19.42	19.58		
15	64QAM	36	39	19.35	19.35	19.51	19.54		
15	64QAM	75	0	19.41	19.17	19.39	19.45	18.5	5
15	256QAM	1	0	17.23	17.22	17.35	17.11		
15	256QAM	1	37	17.13	17.10	17.39	17.26		
15	256QAM	1	74	17.00	17.12	17.37	17.36	18.5	5
15	256QAM	36	0	17.23	17.41	17.34	17.16		
15	256QAM	36	20	17.17	17.32	17.19	17.27		
15	256QAM	36	39	17.36	17.23	17.32	17.27	15	75
15	256QAM	75	0	17.27	17.24	17.26	17.48		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695	23.5	0
10	QPSK	1	0	22.29	22.10	22.02	22.01		
10	QPSK	1	25	22.20	22.25	22.17	22.09		
10	QPSK	1	49	22.18	22.30	22.34	22.20	22.5	1
10	QPSK	25	0	21.42	21.37	21.45	21.25		
10	QPSK	25	12	21.24	21.19	21.25	21.40		
10	QPSK	25	25	21.33	21.35	21.29	21.40	22.5	1
10	QPSK	50	0	21.23	21.37	21.16	21.44		
10	16QAM	1	0	21.48	21.24	21.24	21.30		
10	16QAM	1	25	21.37	21.41	21.31	21.24	22.5	1
10	16QAM	1	49	21.11	21.33	21.17	21.40		
10	16QAM	25	0	20.30	20.49	20.23	20.40		
10	16QAM	25	12	20.31	20.30	20.36	20.38	21.5	2
10	16QAM	25	25	20.52	20.20	20.53	20.30		
10	16QAM	50	0	20.40	20.42	20.41	20.42		
10	64QAM	1	0	20.24	20.33	19.97	20.25	21.5	2
10	64QAM	1	25	20.07	20.12	20.27	20.18		
10	64QAM	1	49	20.22	20.32	20.24	20.21		
10	64QAM	25	0	19.15	19.16	19.36	19.25	20.5	3
10	64QAM	25	12	19.43	19.24	19.29	19.39		
10	64QAM	25	25	19.38	19.45	19.44	19.35		
10	64QAM	50	0	19.37	19.05	19.23	19.42	18.5	5
10	256QAM	1	0	17.22	17.07	17.14	16.93		
10	256QAM	1	25	17.22	17.35	17.19	17.00		
10	256QAM	1	49	17.14	17.20	17.29	17.26	18.5	5
10	256QAM	25	0	17.35	17.36	17.50	17.25		
10	256QAM	25	12	17.23	17.18	17.27	17.25		
10	256QAM	25	25	17.39	17.40	17.19	17.44	15	50
10	256QAM	50	0	17.14	17.36	17.10	17.34		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3609	3643.5	3697.5	23.5	0
5	QPSK	1	0	22.22	22.11	22.16	22.08		
5	QPSK	1	12	22.35	22.09	22.13	22.06		
5	QPSK	1	24	22.19	22.05	22.07	22.31	22.5	1
5	QPSK	12	0	21.33	21.47	21.20	21.20		
5	QPSK	12	7	21.16	21.26	21.14	21.18		
5	QPSK	12	13	21.35	21.38	21.42	21.43	22.5	1
5	QPSK	25	0	21.23	21.29	21.30	21.42		
5	16QAM	1	0	21.36	21.28	21.17	21.35		
5	16QAM	1	12	21.13	21.40	21.27	21.12	22.5	1
5	16QAM	1	24	21.21	21.44	21.32	21.26		
5	16QAM	12	0	20.41	20.44	20.13	20.21		
5	16QAM	12	7	20.17	20.37	20.36	20.49	21.5	2
5	16QAM	12	13	20.30	20.35	20.27	20.44		
5	16QAM	25	0	20.31	20.37	20.37	20.26		
5	64QAM	1	0	20.18	20.27	20.08	20.20	21.5	2
5	64QAM	1	12	20.11	20.21	20.38	20.14		
5	64QAM	1	24	20.44	20.13	20.25	20.23		
5	64QAM	12	0	19.21	19.26	19.42	19.30	20.5	3
5	64QAM	12	7	19.27	19.43	19.47	19.33		
5	64QAM	12	13	19.52	19.52	19.36	19.47		
5	64QAM	25	0	19.50	19.28	19.35	19.31	18.5	5
5	256QAM	1	0	17.18	17.05	17.10	17.01		
5	256QAM	1	12	17.39	17.03	17.05	17.02		
5	256QAM	1	24	17.14	17.08	17.11	17.26	18.5	5
5	256QAM	12	0	17.35	17.46	17.25	17.23		
5	256QAM	12	7	17.18	17.26	17.10	17.09		
5	256QAM	12	13	17.36	17.45	17.37	17.34	18.5	5
5	256QAM	25	0	17.27	17.20	17.28	17.44		

Band 42 Antt1 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	21.15	21.18	21.08			
20	QPSK	1	49	21.03	20.94	20.92	22.5	0	
20	QPSK	1	99	21.16	21.09	21.05			
20	QPSK	50	0	20.05	20.14	20.02			
20	QPSK	50	24	19.94	20.05	20.05	21.5	1	
20	QPSK	50	50	20.06	20.04	20.09			
20	QPSK	100	0	20.07	20.19	20.04			
20	16QAM	1	0	20.07	20.04	20.12	21.5	1	
20	16QAM	1	49	19.79	19.90	19.90			
20	16QAM	1	99	20.07	20.03	19.99			
20	16QAM	50	0	19.13	19.05	19.08	20.5	2	
20	16QAM	50	24	18.93	19.03	19.15			
20	16QAM	50	50	19.03	19.04	19.01			
20	16QAM	100	0	19.08	19.08	18.98	20.5	2	
20	64QAM	1	0	18.92	19.04	19.15			
20	64QAM	1	49	19.09	19.03	19.01			
20	64QAM	1	99	18.84	18.92	18.82	19.5	3	
20	64QAM	50	0	18.05	18.06	18.17			
20	64QAM	50	24	18.07	18.04	18.03			
20	64QAM	50	50	17.94	18.05	18.08	17.5	5	
20	64QAM	100	0	17.99	18.08	18.02			
20	256QAM	1	0	16.08	16.12	16.20			
20	256QAM	1	49	15.96	15.99	15.94	17.5	5	
20	256QAM	1	99	16.17	16.18	15.96			
20	256QAM	50	0	15.99	16.15	16.05			
20	256QAM	50	24	15.91	16.15	16.02	17.5	5	
20	256QAM	50	50	16.02	15.95	15.98			
20	256QAM	100	0	16.17	16.08	16.07			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	21.13	21.06	21.10		22.5	
15	QPSK	1	37	20.95	20.88	20.89	21.5	1	
15	QPSK	1	74	21.17	20.91	20.94			
15	QPSK	36	0	19.85	20.07	19.98	21.5	1	
15	QPSK	36	20	19.73	20.07	19.90			
15	QPSK	36	39	19.88	20.04	20.10			
15	QPSK	75	0	20.04	20.01	20.05	21.5	1	
15	16QAM	1	0	19.88	19.82	19.96			
15	16QAM	1	37	19.82	19.70	19.68	20.5	2	
15	16QAM	1	74	20.02	19.99	19.94			
15	16QAM	36	0	18.97	18.92	18.94			
15	16QAM	36	20	18.73	18.88	18.12	20.5	2	
15	16QAM	36	39	18.86	18.99	18.90			
15	16QAM	75	0	19.00	18.89	18.90			
15	64QAM	1	0	18.83	18.83	18.93	20.5	2	
15	64QAM	1	37	19.14	18.93	18.83			
15	64QAM	1	74	18.78	18.81	18.83			
15	64QAM	36	0	17.95	17.86	17.93	19.5	3	
15	64QAM	36	20	17.97	18.07	17.96			
15	64QAM	36	39	17.83	17.95	18.07			
15	64QAM	75	0	17.75	17.94	17.79	17.5	5	
15	256QAM	1	0	16.02	15.96	16.03			
15	256QAM	1	37	15.93	15.91	16.01			
15	256QAM	1	74	16.10	15.80	16.01	17.5	5	
15	256QAM	36	0	15.81	16.00	16.01			
15	256QAM	36	20	15.85	16.16	15.79			
15	256QAM	36	39	15.85	16.15	16.12			
15	256QAM	75	0	15.97	16.10	16.14			
Channel				42160	42590	43010			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	21.01	21.09	20.96	22.5	0	
10	QPSK	1	25	20.81	20.83	20.95			
10	QPSK	1	49	20.99	20.90	20.85			
10	QPSK	25	0	19.92	19.99	19.81	21.5	1	
10	QPSK	25	12	19.76	19.83	19.99			
10	QPSK	25	25	20.07	20.01	19.89			
10	QPSK	50	0	20.14	19.91	19.94	21.5	1	
10	16QAM	1	0	20.04	19.88	20.00			
10	16QAM	1	25	19.83	19.89	19.85			
10	16QAM	1	49	20.02	19.93	19.90	20.5	2	
10	16QAM	25	0	18.93	18.91	19.10			
10	16QAM	25	12	18.72	18.89	19.02			
10	16QAM	25	25	19.00	18.93	19.00	20.5	2	
10	16QAM	50	0	19.07	19.10	18.97			
10	64QAM	1	0	18.76	18.81	18.94	20.5	2	
10	64QAM	1	25	18.88	18.98	18.78			
10	64QAM	1	49	18.76	18.77	18.70			
10	64QAM	25	0	17.94	17.99	18.06	19.5	3	
10	64QAM	25	12	17.83	18.09	18.06			
10	64QAM	25	25	17.82	17.99	18.11			
10	64QAM	50	0	18.00	18.01	17.78	17.5	5	
10	256QAM	1	0	15.99	16.18	15.90			
10	256QAM	1	25	15.79	15.83	16.00			
10	256QAM	1	49	15.98	15.91	15.92	17.5	5	
10	256QAM	25	0	15.90	16.06	15.81			
10	256QAM	25	12	15.71	15.72	15.92			
10	256QAM	25	25	16.03	15.93	15.92			
10	256QAM	50	0	16.22	16.03	15.83			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	21.11	21.05	21.03	22.5	0	
5	QPSK	1	12	20.78	20.85	20.87			
5	QPSK	1	24	21.06	21.04	20.97			
5	QPSK	12	0	19.89	19.82	19.81	21.5	1	
5	QPSK	12	7	19.91	19.87	19.81			
5	QPSK	12	13	20.05	19.97	19.92			
5	QPSK	25	0	19.95	19.99	19.90	21.5	1	
5	16QAM	1	0	19.99	19.83	19.91			
5	16QAM	1	12	19.82	19.88	19.78			
5	16QAM	1	24	19.98	20.08	19.76	20.5	2	
5	16QAM	12	0	19.13	18.98	18.88			
5	16QAM	12	7	18.87	19.03	19.09			
5	16QAM	12	13	18.80	18.83	18.82	20.5	2	
5	16QAM	25	0	19.02	18.90	18.74			
5	64QAM	1	0	18.80	18.86	19.03			
5	64QAM	1	12	19.07	18.94	18.79	20.5	2	
5	64QAM	1	24	18.86	18.90	18.73			
5	64QAM	12	0	17.84	18.09	18.13			
5	64QAM	12	7	18.09	17.99	17.87	19.5	3	
5	64QAM	12	13	17.74	17.97	18.01			
5	64QAM	25	0	17.87	17.95	17.93			
5	256QAM	1	0	16.10	15.97	16.03	17.5	5	
5	256QAM	1	12	15.81	15.76	15.89			
5	256QAM	1	24	16.15	15.95	15.86			
5	256QAM	12	0	15.91	15.72	15.76	17.5	5	
5	256QAM	12	7	15.88	15.79	15.70			
5	256QAM	12	13	16.08	16.03	15.84			
5	256QAM	25	0	16.02	16.04	15.79			

Band 48 Ant11 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	18.63	18.73	18.75	18.63	20	0
20	QPSK	1	49	18.55	18.71	18.55	18.52		
20	QPSK	1	99	18.70	18.60	18.58	18.57		
20	QPSK	50	0	17.72	17.85	17.87	17.64		
20	QPSK	50	24	17.79	17.61	17.63	17.71	19	1
20	QPSK	50	50	17.65	17.65	17.71	17.78		
20	QPSK	100	0	17.76	17.82	17.88	17.74		
20	16QAM	1	0	17.81	17.57	17.77	17.73		
20	16QAM	1	49	17.85	17.89	17.85	17.83	19	1
20	16QAM	1	99	17.76	17.87	17.86	17.82		
20	16QAM	50	0	16.67	16.68	16.81	16.72		
20	16QAM	50	24	16.68	16.77	16.67	16.64		
20	16QAM	50	50	16.83	16.74	16.63	16.64	18	2
20	16QAM	100	0	16.67	16.70	16.73	16.83		
20	64QAM	1	0	16.63	16.45	16.66	16.48		
20	64QAM	1	49	16.58	16.66	16.41	16.56		
20	64QAM	1	99	16.41	16.38	16.40	16.58	18	2
20	64QAM	50	0	15.78	15.68	15.79	15.74		
20	64QAM	50	24	15.67	15.90	15.88	15.74		
20	64QAM	50	50	15.75	15.66	15.72	15.71		
20	64QAM	100	0	15.77	15.79	15.77	15.94	17	3
20	256QAM	1	0	13.66	13.74	13.49	13.60		
20	256QAM	1	49	13.61	13.80	13.64	13.64		
20	256QAM	1	99	13.77	13.53	13.49	13.61		
20	256QAM	50	0	13.82	13.86	13.54	13.55	15	5
20	256QAM	50	24	13.89	13.51	13.63	13.61		
20	256QAM	50	50	13.71	13.57	13.82	13.86		
20	256QAM	100	0	13.76	13.77	13.80	13.83		
Channel				55315	55820	56160	56655	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	18.48	18.30	18.46	18.53	20	0
15	QPSK	1	37	18.48	18.50	18.40	18.52		
15	QPSK	1	74	18.61	18.40	18.46	18.61		
15	QPSK	36	0	17.58	17.54	17.60	17.60		
15	QPSK	36	20	17.71	17.59	17.64	17.62	19	1
15	QPSK	36	39	17.61	17.70	17.72	17.82		
15	QPSK	75	0	17.67	17.66	17.73	17.71		
15	16QAM	1	0	17.62	17.51	17.70	17.71		
15	16QAM	1	37	17.77	17.76	17.75	17.70	19	1
15	16QAM	1	74	17.68	17.63	17.82	17.79		
15	16QAM	36	0	16.64	16.45	16.61	16.58		
15	16QAM	36	20	16.48	16.71	16.75	16.68		
15	16QAM	36	39	16.58	16.72	16.59	16.51	18	2
15	16QAM	75	0	16.46	16.61	16.60	16.62		
15	64QAM	1	0	16.46	16.33	16.68	16.47		
15	64QAM	1	37	16.61	16.67	16.36	16.61		
15	64QAM	1	74	16.43	16.37	16.45	16.37	18	2
15	64QAM	36	0	15.76	15.61	15.78	15.71		
15	64QAM	36	20	15.55	15.77	15.75	15.67		
15	64QAM	36	39	15.50	15.58	15.68	15.57		
15	64QAM	75	0	15.56	15.61	15.55	15.84	17	3
15	256QAM	1	0	13.56	13.37	13.48	13.60		
15	256QAM	1	37	13.40	13.46	13.52	13.63		
15	256QAM	1	74	13.60	13.43	13.44	13.71		
15	256QAM	36	0	13.63	13.64	13.71	13.61	15	5
15	256QAM	36	20	13.61	13.59	13.63	13.64		
15	256QAM	36	39	13.69	13.58	13.77	13.83		
15	256QAM	75	0	13.59	13.78	13.67	13.60		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	18.45	18.35	18.49	18.63	20	0
10	QPSK	1	25	18.41	18.72	18.48	18.33		
10	QPSK	1	49	18.60	18.49	18.60	18.66		
10	QPSK	25	0	17.63	17.63	17.41	17.57		
10	QPSK	25	12	17.67	17.76	17.66	17.49	19	1
10	QPSK	25	25	17.52	17.42	17.54	17.58		
10	QPSK	50	0	17.81	17.51	17.66	17.66		
10	16QAM	1	0	17.86	17.59	17.72	17.66		
10	16QAM	1	25	17.87	17.78	17.78	17.93	19	1
10	16QAM	1	49	17.55	17.71	17.89	17.83		
10	16QAM	25	0	16.68	16.55	16.70	16.67		
10	16QAM	25	12	16.49	16.56	16.67	16.83		
10	16QAM	25	25	16.83	16.60	16.56	16.58	18	2
10	16QAM	50	0	16.60	16.56	16.74	16.78		
10	64QAM	1	0	16.43	16.41	16.47	16.32		
10	64QAM	1	25	16.35	16.67	16.43	16.44		
10	64QAM	1	49	16.44	16.37	16.36	16.38	18	2
10	64QAM	25	0	15.58	15.68	15.58	15.56		
10	64QAM	25	12	15.53	15.71	15.79	15.77		
10	64QAM	25	25	15.63	15.44	15.69	15.74		
10	64QAM	50	0	15.71	15.54	15.56	15.84	17	3
10	256QAM	1	0	13.50	13.38	13.41	13.66		
10	256QAM	1	25	13.33	13.64	13.53	13.42		
10	256QAM	1	49	13.70	13.40	13.71	13.62		
10	256QAM	25	0	13.54	13.57	13.52	13.48	15	5
10	256QAM	25	12	13.79	13.75	13.62	13.49		
10	256QAM	25	25	13.42	13.48	13.58	13.60		
10	256QAM	50	0	13.74	13.60	13.70	13.55		
Channel				55265	55870	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3692.5		
5	QPSK	1	0	18.54	18.50	18.48	18.67	20	0
5	QPSK	1	12	18.36	18.57	18.41	18.49		
5	QPSK	1	24	18.62	18.50	18.45	18.72		
5	QPSK	12	0	17.63	17.51	17.57	17.41		
5	QPSK	12	7	17.73	17.59	17.60	17.61	19	1
5	QPSK	12	13	17.45	17.43	17.65	17.68		
5	QPSK	25	0	17.66	17.75	17.52	17.82		
5	16QAM	1	0	17.60	17.56	17.79	17.74		
5	16QAM	1	12	17.78	17.77	17.79	17.77	19	1
5	16QAM	1	24	17.51	17.67	17.89	17.78		
5	16QAM	12	0	16.55	16.48	16.63	16.75		
5	16QAM	12	7	16.59	16.66	16.69	16.60		
5	16QAM	12	13	16.83	16.54	16.68	16.45	18	2
5	16QAM	25	0	16.61	16.58	16.71	16.85		
5	64QAM	1	0	16.39	16.48	16.57	16.28		
5	64QAM	1	12	16.62	16.59	16.34	16.38		
5	64QAM	1	24	16.43	16.28	16.26	16.45	18	2
5	64QAM	12	0	15.58	15.65	15.61	15.79		
5	64QAM	12	7	15.54	15.60	15.69	15.55		
5	64QAM	12	13	15.77	15.61	15.59	15.56		
5	64QAM	25	0	15.64	15.74	15.74	15.88	17	3
5	256QAM	1	0	13.61	13.51	13.37	13.55		
5	256QAM	1	12	13.38	13.62	13.43	13.61		
5	256QAM	1	24	13.66	13.42	13.57	13.66		
5	256QAM	12	0	13.62	13.61	13.58	13.51	15	5
5	256QAM	12	7	13.73	13.65	13.71	13.62		
5	256QAM	12	13	13.56	13.50	13.63	13.58		
5	256QAM	25	0	13.60	13.83	13.46	13.80		

Band 42 Ant12 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.33	20.35	20.27	22	0	
20	QPSK	1	49	20.12	20.20	20.16			
20	QPSK	1	99	20.21	20.19	20.20			
20	QPSK	50	0	19.38	19.41	19.36			
20	QPSK	50	24	19.33	19.33	19.32	21	1	
20	QPSK	50	50	19.30	19.27	19.26			
20	QPSK	100	0	19.29	19.34	19.23			
20	16QAM	1	0	19.26	19.45	19.28			
20	16QAM	1	49	19.39	19.37	19.14	21	1	
20	16QAM	1	99	19.25	19.44	19.34			
20	16QAM	50	0	18.46	18.33	18.37			
20	16QAM	50	24	18.35	18.33	18.25			
20	16QAM	50	50	18.22	18.30	18.22	20	2	
20	16QAM	100	0	18.33	18.29	18.35			
20	64QAM	1	0	18.20	18.17	18.28			
20	64QAM	1	49	18.07	18.19	18.22			
20	64QAM	1	99	18.12	18.10	18.21	19	3	
20	64QAM	50	0	17.40	17.38	17.36			
20	64QAM	50	24	17.37	17.29	17.22			
20	64QAM	50	50	17.23	17.25	17.21			
20	64QAM	100	0	17.38	17.23	17.21	17	5	
20	256QAM	1	0	15.35	15.41	15.26			
20	256QAM	1	49	15.19	15.09	15.11			
20	256QAM	1	99	15.12	15.29	15.25			
20	256QAM	50	0	15.43	15.50	15.37	17	5	
20	256QAM	50	24	15.33	15.40	15.30			
20	256QAM	50	50	15.36	15.25	15.36			
20	256QAM	100	0	15.30	15.28	15.19			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.13	20.20	20.10	22	0	
15	QPSK	1	37	20.12	20.07	20.05			
15	QPSK	1	74	20.05	20.13	20.03			
15	QPSK	36	0	19.27	19.28	19.34			
15	QPSK	36	20	19.25	19.26	19.25	21	1	
15	QPSK	36	39	19.22	19.10	19.09			
15	QPSK	75	0	19.23	19.13	19.15			
15	16QAM	1	0	19.19	19.36	19.20			
15	16QAM	1	37	19.31	19.23	19.03	21	1	
15	16QAM	1	74	19.08	19.31	19.20			
15	16QAM	36	0	18.40	18.23	18.30			
15	16QAM	36	20	18.22	18.24	18.07			
15	16QAM	36	39	18.15	18.17	18.04	20	2	
15	16QAM	75	0	18.29	18.17	18.24			
15	64QAM	1	0	18.03	18.06	18.16			
15	64QAM	1	37	18.08	18.15	18.26			
15	64QAM	1	74	18.10	18.17	18.01	20	2	
15	64QAM	36	0	17.35	17.33	17.19			
15	64QAM	36	20	17.33	17.13	17.14			
15	64QAM	36	39	17.12	17.21	17.16			
15	64QAM	75	0	17.25	17.18	17.11	19	3	
15	256QAM	1	0	15.20	15.29	15.05			
15	256QAM	1	37	15.07	15.00	15.08			
15	256QAM	1	74	15.05	15.16	15.00			
15	256QAM	36	0	15.24	15.24	15.35	17	5	
15	256QAM	36	20	15.28	15.24	15.35			
15	256QAM	36	39	15.25	15.11	15.23			
15	256QAM	75	0	15.30	15.18	15.12			
Channel				42160	42590	43040			
Frequency (MHz)				3465	3500	3545			
10	QPSK	1	0	20.12	20.08	20.10	22	0	
10	QPSK	1	25	20.00	20.07	20.06			
10	QPSK	1	49	20.08	20.13	20.06			
10	QPSK	25	0	19.18	19.08	19.12			
10	QPSK	25	12	19.09	19.14	19.13	21	1	
10	QPSK	25	25	19.23	19.11	19.09			
10	QPSK	50	0	19.16	19.20	19.08			
10	16QAM	1	0	19.11	19.35	19.12			
10	16QAM	1	25	19.42	19.40	19.09	21	1	
10	16QAM	1	49	19.00	19.15	19.12			
10	16QAM	25	0	18.27	18.11	18.14			
10	16QAM	25	12	18.17	18.14	18.00			
10	16QAM	25	25	18.13	18.19	18.05	20	2	
10	16QAM	50	0	18.16	18.12	18.15			
10	64QAM	1	0	18.11	18.03	18.17			
10	64QAM	1	25	18.10	18.25	18.26			
10	64QAM	1	49	18.09	18.18	18.08	19	3	
10	64QAM	25	0	17.24	17.19	17.07			
10	64QAM	25	12	17.22	17.20	17.10			
10	64QAM	25	25	17.10	17.14	17.15			
10	64QAM	50	0	17.18	17.04	17.04	17	5	
10	256QAM	1	0	15.13	15.18	15.07			
10	256QAM	1	25	15.06	15.19	15.07			
10	256QAM	1	49	15.11	15.10	15.16			
10	256QAM	25	0	15.17	15.09	15.12	17	5	
10	256QAM	25	12	15.01	15.03	15.23			
10	256QAM	25	25	15.33	15.19	15.11			
10	256QAM	50	0	15.25	15.30	15.04			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.20	20.10	20.00	22	0	
5	QPSK	1	12	20.03	20.15	20.07			
5	QPSK	1	24	20.08	20.13	20.07			
5	QPSK	12	0	19.16	19.13	19.20			
5	QPSK	12	7	19.09	19.06	19.06	21	1	
5	QPSK	12	13	19.13	19.10	19.19			
5	QPSK	25	0	19.23	19.20	19.07			
5	16QAM	1	0	19.10	19.30	19.24			
5	16QAM	1	12	19.27	19.27	19.03	21	1	
5	16QAM	1	24	19.06	19.27	19.04			
5	16QAM	12	0	18.26	18.13	18.15			
5	16QAM	12	7	18.05	18.13	18.01			
5	16QAM	12	13	18.06	18.23	18.18	20	2	
5	16QAM	25	0	18.13	18.08	18.06			
5	64QAM	1	0	18.14	18.04	18.22			
5	64QAM	1	12	18.10	18.22	18.21			
5	64QAM	1	24	18.03	18.12	18.06	20	2	
5	64QAM	12	0	17.15	17.09	17.13			
5	64QAM	12	7	17.27	17.13	17.11			
5	64QAM	12	13	17.14	17.10	17.14			
5	64QAM	25	0	17.21	17.06	17.05	19	3	
5	256QAM	1	0	15.34	15.22	15.01			
5	256QAM	1	12	15.05	15.10	15.03			
5	256QAM	1	24	15.32	15.17	15.10			
5	256QAM	12	0	15.18	15.13	15.31	17	5	
5	256QAM	12	7	15.10	15.07	15.08			
5	256QAM	12	13	15.06	15.17	15.28			
5	256QAM	25	0	15.23	15.09	15.11			

Band 48 Ant12 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	17.69	17.78	17.79	17.58	19.5	0
20	QPSK	1	49	17.72	17.72	17.59	17.67		
20	QPSK	1	99	17.74	17.74	17.54	17.63		
20	QPSK	50	0	16.89	16.93	16.99	16.90		
20	QPSK	50	24	16.87	16.88	16.81	16.90	18.5	1
20	QPSK	50	50	16.75	16.78	16.85	16.79		
20	QPSK	100	0	16.81	16.86	16.87	16.83		
20	16QAM	1	0	16.96	16.77	16.84	16.80		
20	16QAM	1	49	16.59	16.72	16.68	16.86	18.5	1
20	16QAM	1	99	16.60	16.73	16.71	16.61		
20	16QAM	50	0	15.92	15.91	15.84	15.93		
20	16QAM	50	24	15.86	15.96	15.90	15.82		
20	16QAM	50	50	15.76	15.83	15.84	15.81	17.5	2
20	16QAM	100	0	15.91	15.83	15.89	15.79		
20	64QAM	1	0	15.74	15.69	15.75	15.71		
20	64QAM	1	49	15.78	15.77	15.67	15.50		
20	64QAM	1	99	15.54	15.65	15.66	15.56	17.5	2
20	64QAM	50	0	14.82	14.99	14.84	14.81		
20	64QAM	50	24	14.85	14.82	14.95	14.93		
20	64QAM	50	50	14.68	14.84	14.80	14.85		
20	64QAM	100	0	14.90	14.80	14.87	14.81	16.5	3
20	256QAM	1	0	12.69	12.76	12.76	12.59		
20	256QAM	1	49	12.73	12.82	12.60	12.66		
20	256QAM	1	99	12.70	12.54	12.65	12.64		
20	256QAM	50	0	12.94	12.86	12.80	12.81	14.5	5
20	256QAM	50	24	12.86	12.80	12.76	12.81		
20	256QAM	50	50	12.76	12.88	12.86	12.67		
20	256QAM	100	0	12.88	12.81	12.91	12.84		
Channel				55315	55820	56160	56655		
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	17.76	17.71	17.75	17.58	19.5	0
15	QPSK	1	37	17.86	17.77	17.76	17.64		
15	QPSK	1	74	17.72	17.81	17.56	17.61		
15	QPSK	36	0	16.79	16.83	16.85	16.84		
15	QPSK	36	20	16.71	16.71	16.66	16.77	18.5	1
15	QPSK	36	39	16.58	16.62	16.72	16.69		
15	QPSK	75	0	16.72	16.76	16.70	16.76		
15	16QAM	1	0	16.77	16.60	16.79	16.74		
15	16QAM	1	37	16.54	16.55	16.62	16.72	18.5	1
15	16QAM	1	74	16.64	16.78	16.67	16.57		
15	16QAM	36	0	15.81	15.79	15.75	15.84		
15	16QAM	36	20	15.79	15.78	15.73	15.67		
15	16QAM	36	39	15.65	15.69	15.77	15.71	17.5	2
15	16QAM	75	0	15.83	15.70	15.72	15.67		
15	64QAM	1	0	15.57	15.65	15.78	15.67		
15	64QAM	1	37	15.72	15.83	15.56	15.52		
15	64QAM	1	74	15.52	15.59	15.51	15.54	17.5	2
15	64QAM	36	0	14.67	14.90	14.74	14.72		
15	64QAM	36	20	14.74	14.64	14.80	14.81		
15	64QAM	36	39	14.56	14.71	14.70	14.76		
15	64QAM	75	0	14.76	14.69	14.73	14.74	16.5	3
15	256QAM	1	0	12.83	12.59	12.86	12.63		
15	256QAM	1	37	12.72	12.91	12.62	12.60		
15	256QAM	1	74	12.81	12.50	12.52	12.50		
15	256QAM	36	0	12.81	12.75	12.81	12.93	14.5	5
15	256QAM	36	20	12.82	12.81	12.64	12.87		
15	256QAM	36	39	12.69	12.62	12.78	12.62		
15	256QAM	75	0	12.70	12.85	12.66	12.78		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	17.64	17.71	17.70	17.52	19.5	0
10	QPSK	1	25	17.66	17.75	17.59	17.61		
10	QPSK	1	49	17.67	17.70	17.55	17.67		
10	QPSK	25	0	16.89	16.77	16.84	16.75		
10	QPSK	25	12	16.73	16.81	16.74	16.80	18.5	1
10	QPSK	25	25	16.71	16.71	16.73	16.72		
10	QPSK	50	0	16.71	16.65	16.73	16.75		
10	16QAM	1	0	16.72	16.71	16.70	16.65		
10	16QAM	1	25	16.59	16.71	16.65	16.88	18.5	1
10	16QAM	1	49	16.59	16.69	16.73	16.63		
10	16QAM	25	0	15.75	15.75	15.73	15.86		
10	16QAM	25	12	15.81	15.90	15.74	15.76		
10	16QAM	25	25	15.66	15.76	15.73	15.70	17.5	2
10	16QAM	50	0	15.76	15.73	15.76	15.72		
10	64QAM	1	0	15.63	15.60	15.74	15.64		
10	64QAM	1	25	15.73	15.89	15.63	15.54		
10	64QAM	1	49	15.58	15.62	15.74	15.59	17.5	2
10	64QAM	25	0	14.65	14.85	14.72	14.76		
10	64QAM	25	12	14.69	14.68	14.86	14.89		
10	64QAM	25	25	14.56	14.78	14.69	14.70		
10	64QAM	50	0	14.81	14.76	14.70	14.64	16.5	3
10	256QAM	1	0	12.74	12.65	12.66	12.50		
10	256QAM	1	25	12.72	12.76	12.53	12.57		
10	256QAM	1	49	12.72	12.76	12.53	12.57		
10	256QAM	25	0	12.71	12.71	12.69	12.73	14.5	5
10	256QAM	25	12	12.74	12.77	12.78	12.82		
10	256QAM	25	25	12.62	12.71	12.77	12.76		
10	256QAM	50	0	12.67	12.58	12.62	12.75		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3642.5	3692.5		
5	QPSK	1	0	17.67	17.68	17.62	17.56	19.5	0
5	QPSK	1	12	17.76	17.67	17.59	17.63		
5	QPSK	1	24	17.64	17.74	17.70	17.61		
5	QPSK	12	0	16.85	16.85	16.73	16.73		
5	QPSK	12	7	16.70	16.73	16.72	16.76	18.5	1
5	QPSK	12	13	16.70	16.73	16.74	16.62		
5	QPSK	25	0	16.77	16.65	16.68	16.79		
5	16QAM	1	0	16.76	16.69	16.76	16.70		
5	16QAM	1	12	16.59	16.76	16.63	16.88	18.5	1
5	16QAM	1	24	16.58	16.80	16.74	16.66		
5	16QAM	12	0	15.75	15.86	15.79	15.77		
5	16QAM	12	7	15.69	15.91	15.76	15.76		
5	16QAM	12	13	15.70	15.69	15.66	15.64	17.5	2
5	16QAM	25	0	15.83	15.66	15.77	15.65		
5	64QAM	1	0	15.59	15.51	15.70	15.74		
5	64QAM	1	12	15.72	15.84	15.69	15.50		
5	64QAM	1	24	15.59	15.70	15.69	15.53	16.5	3
5	64QAM	12	0	14.76	14.90	14.68	14.63		
5	64QAM	12	7	14.75	14.66	14.78	14.85		
5	64QAM	12	13	14.55	14.74	14.73	14.79		
5	64QAM	25	0	14.80	14.65	14.74	14.70	14.5	5
5	256QAM	1	0	12.75	12.57	12.78	12.64		
5	256QAM	1	12	12.70	12.81	12.68	12.61		
5	256QAM	1	24	12.60	12.57	12.56	12.65		
5	256QAM	12	0	12.81	12.77	12.83	12.62	14.5	5
5	256QAM	12	7	12.73	12.73	12.62	12.77		
5	256QAM	12	13	12.76	12.70	12.67	12.70		
5	256QAM	25	0	12.84	12.69	12.79	12.75		

Band 42 Ant13 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	25.7	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	24.83	24.85	24.71			
20	QPSK	1	49	24.78	24.77	24.82	24.7	1	
20	QPSK	1	99	24.74	24.82	24.62			
20	QPSK	50	0	23.77	23.97	23.82			
20	QPSK	50	24	23.76	23.90	23.94	24.7	1	
20	QPSK	50	50	23.76	23.86	23.82			
20	QPSK	100	0	23.75	23.88	23.87			
20	16QAM	1	0	24.06	23.93	23.96	24.7	1	
20	16QAM	1	49	23.93	23.81	23.67			
20	16QAM	1	99	23.82	23.83	23.72			
20	16QAM	50	0	23.09	22.94	22.88	23.7	2	
20	16QAM	50	24	22.89	22.90	22.77			
20	16QAM	50	50	22.82	22.84	22.76			
20	16QAM	100	0	22.96	22.91	23.03	23.7	2	
20	64QAM	1	0	22.79	22.85	22.73			
20	64QAM	1	49	22.77	22.77	22.88			
20	64QAM	1	99	22.79	22.67	22.58	22.7	3	
20	64QAM	50	0	22.03	21.91	21.92			
20	64QAM	50	24	21.90	21.93	21.94			
20	64QAM	50	50	21.98	21.86	21.71	20.7	5	
20	64QAM	100	0	21.97	21.87	21.74			
20	256QAM	1	0	19.75	19.86	19.68			
20	256QAM	1	49	19.83	19.81	19.78	20.7	5	
20	256QAM	1	99	19.72	19.85	19.58			
20	256QAM	50	0	19.70	19.90	19.89			
20	256QAM	50	24	19.86	19.96	19.88	20.7	5	
20	256QAM	50	50	19.68	19.78	19.72			
20	256QAM	100	0	19.80	19.89	19.80			
Channel				42165	42590	43015	25.7	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	24.61	24.69	24.57			
15	QPSK	1	37	24.75	24.70	24.71	24.7	1	
15	QPSK	1	74	24.64	24.83	24.44			
15	QPSK	36	0	23.55	23.86	23.85			
15	QPSK	36	20	23.74	23.83	23.81	24.7	1	
15	QPSK	36	39	23.53	23.77	23.63			
15	QPSK	75	0	23.65	23.82	23.76			
15	16QAM	1	0	23.93	23.93	23.76	24.7	1	
15	16QAM	1	37	23.83	23.74	23.69			
15	16QAM	1	74	23.75	23.72	23.76			
15	16QAM	36	0	22.94	22.81	22.75	23.7	2	
15	16QAM	36	20	22.68	22.76	22.62			
15	16QAM	36	39	22.58	22.66	22.56			
15	16QAM	75	0	22.89	22.79	22.85	23.7	2	
15	64QAM	1	0	22.75	22.65	22.60			
15	64QAM	1	37	22.82	22.79	22.92			
15	64QAM	1	74	22.79	22.63	22.55	22.7	3	
15	64QAM	36	0	21.82	21.85	21.97			
15	64QAM	36	20	21.72	21.87	21.92			
15	64QAM	36	39	21.96	21.69	21.63	20.7	5	
15	64QAM	75	0	21.73	21.70	21.61			
15	256QAM	1	0	19.68	19.77	19.66			
15	256QAM	1	37	19.74	19.58	19.62	20.7	5	
15	256QAM	1	74	19.67	19.89	19.53			
15	256QAM	36	0	19.58	19.93	19.73			
15	256QAM	36	20	19.80	19.90	19.86	20.7	5	
15	256QAM	36	39	19.54	19.71	19.59			
15	256QAM	75	0	19.74	19.89	19.71			
Channel				42160	42590	43010	25.7	0	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	24.64	24.67	24.62			
10	QPSK	1	25	24.80	24.67	24.83	24.7	1	
10	QPSK	1	49	24.76	24.64	24.46			
10	QPSK	25	0	23.82	23.75	23.63			
10	QPSK	25	12	23.63	23.75	24.00	24.7	1	
10	QPSK	25	25	23.75	23.65	23.62			
10	QPSK	50	0	23.52	23.85	23.71			
10	16QAM	1	0	23.94	23.79	23.78	24.7	1	
10	16QAM	1	25	23.84	23.61	23.60			
10	16QAM	1	49	23.61	23.59	23.59			
10	16QAM	25	0	22.72	22.85	22.67	23.7	2	
10	16QAM	25	12	22.76	22.73	22.71			
10	16QAM	25	25	22.93	22.74	22.53			
10	16QAM	50	0	22.73	22.76	22.89	23.7	2	
10	64QAM	1	0	22.70	22.79	22.64			
10	64QAM	1	25	22.57	22.57	22.82			
10	64QAM	1	49	22.74	22.49	22.45	22.7	3	
10	64QAM	25	0	22.01	21.89	21.83			
10	64QAM	25	12	21.84	21.89	21.98			
10	64QAM	25	25	22.01	21.68	21.64	20.7	5	
10	64QAM	50	0	21.88	21.70	21.64			
10	256QAM	1	0	19.76	19.73	19.69			
10	256QAM	1	25	19.88	19.55	19.74	20.7	5	
10	256QAM	1	49	19.84	19.72	19.55			
10	256QAM	25	0	19.76	19.73	19.68			
10	256QAM	25	12	19.73	19.77	19.91	20.7	5	
10	256QAM	25	25	19.74	19.67	19.66			
10	256QAM	50	0	19.47	19.78	19.82			
Channel				42115	42590	43065	25.7	0	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	24.79	24.79	24.49			
5	QPSK	1	12	24.66	24.73	24.61	24.7	1	
5	QPSK	1	24	24.60	24.67	24.54			
5	QPSK	12	0	23.69	23.72	23.75			
5	QPSK	12	7	23.76	23.79	23.84	24.7	1	
5	QPSK	12	13	23.54	23.72	23.61			
5	QPSK	25	0	23.59	23.81	23.72			
5	16QAM	1	0	23.83	23.90	24.00	24.7	1	
5	16QAM	1	12	23.96	23.76	23.63			
5	16QAM	1	24	23.71	23.67	23.61			
5	16QAM	12	0	22.88	22.79	22.72	23.7	2	
5	16QAM	12	7	22.76	22.68	22.64			
5	16QAM	12	13	22.71	22.86	22.62			
5	16QAM	25	0	22.88	22.88	22.90	23.7	2	
5	64QAM	1	0	22.65	22.70	22.55			
5	64QAM	1	12	22.78	22.59	22.63			
5	64QAM	1	24	22.60	22.71	22.53	22.7	3	
5	64QAM	12	0	21.89	21.90	21.85			
5	64QAM	12	7	21.77	21.84	21.98			
5	64QAM	12	13	22.02	21.70	21.65	20.7	5	
5	64QAM	25	0	21.85	21.92	21.78			
5	256QAM	1	0	19.69	19.75	19.44			
5	256QAM	1	12	19.76	19.76	19.67	20.7	5	
5	256QAM	1	24	19.71	19.76	19.46			
5	256QAM	12	0	19.74	19.61	19.68			
5	256QAM	12	7	19.71	19.84	19.74	20.7	5	
5	256QAM	12	13	19.59	19.84	19.50			
5	256QAM	25	0	19.52	19.75	19.69			

Band 48 Ant13 Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	23.5	0
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.27	22.38	22.42	22.26		
20	QPSK	1	49	22.28	22.36	22.30	22.24	22.5	1
20	QPSK	1	99	22.36	22.33	22.18	22.33		
20	QPSK	50	0	21.23	21.42	21.47	21.38		
20	QPSK	50	24	21.29	21.33	21.45	21.31	22.5	1
20	QPSK	50	50	21.22	21.41	21.23	21.46		
20	QPSK	100	0	21.37	21.51	21.63	21.35		
20	16QAM	1	0	21.29	21.17	21.30	21.41	22.5	1
20	16QAM	1	49	21.23	21.27	21.15	21.27		
20	16QAM	1	99	21.31	21.09	21.33	21.09		
20	16QAM	50	0	20.41	20.29	20.38	20.30	21.5	2
20	16QAM	50	24	20.48	20.31	20.40	20.29		
20	16QAM	50	50	20.42	20.42	20.26	20.36		
20	16QAM	100	0	20.51	20.41	20.28	20.50	21.5	2
20	64QAM	1	0	20.31	20.31	20.24	20.07		
20	64QAM	1	49	20.21	20.09	20.15	20.35		
20	64QAM	1	99	20.23	20.44	20.45	20.23	21.5	2
20	64QAM	50	0	19.29	19.39	19.22	19.23		
20	64QAM	50	24	19.29	19.48	19.43	19.36		
20	64QAM	50	50	19.29	19.47	19.46	19.44	20.5	3
20	64QAM	100	0	19.30	19.52	19.33	19.57		
20	256QAM	1	0	17.24	17.30	17.15	17.33		
20	256QAM	1	49	17.38	17.31	17.28	17.22	18.5	5
20	256QAM	1	99	17.43	17.45	17.22	17.27		
20	256QAM	50	0	17.30	17.57	17.31	17.46		
20	256QAM	50	24	17.25	17.40	17.50	17.23	18.5	5
20	256QAM	50	50	17.20	17.37	17.22	17.44		
20	256QAM	100	0	17.29	17.60	17.37	17.37		
Channel				55315	55820	56160	56655	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5	23.5	0
15	QPSK	1	0	22.14	22.06	22.08	22.30		
15	QPSK	1	37	22.07	22.15	22.09	22.23		
15	QPSK	1	74	22.35	22.23	21.99	22.13	22.5	1
15	QPSK	36	0	21.06	21.04	21.29	21.31		
15	QPSK	36	20	21.08	21.14	21.28	21.08		
15	QPSK	36	39	21.17	21.34	21.02	21.27	22.5	1
15	QPSK	75	0	21.39	21.20	21.37	21.15		
15	16QAM	1	0	21.10	21.16	21.27	21.27		
15	16QAM	1	37	21.22	21.30	21.11	21.31	22.5	1
15	16QAM	1	74	21.22	20.97	21.19	21.05		
15	16QAM	36	0	20.44	20.21	20.17	20.10		
15	16QAM	36	20	20.42	20.06	20.44	20.32	21.5	2
15	16QAM	36	39	20.39	20.27	20.12	20.39		
15	16QAM	75	0	20.27	20.31	20.14	20.43		
15	64QAM	1	0	20.31	20.25	20.23	20.17	21.5	2
15	64QAM	1	37	20.23	19.96	20.15	20.35		
15	64QAM	1	74	20.14	20.33	20.33	20.24		
15	64QAM	36	0	19.17	19.19	19.22	19.06	20.5	3
15	64QAM	36	20	19.08	19.38	19.25	19.12		
15	64QAM	36	39	19.16	19.31	19.40	19.34		
15	64QAM	75	0	19.09	19.30	19.23	19.59	18.5	5
15	256QAM	1	0	17.11	17.05	17.02	17.23		
15	256QAM	1	37	17.12	17.09	17.09	17.27		
15	256QAM	1	74	17.24	17.34	17.04	17.16	18.5	5
15	256QAM	36	0	17.15	17.14	17.31	17.30		
15	256QAM	36	20	17.01	17.10	17.21	17.10		
15	256QAM	36	39	17.16	17.33	16.96	17.33	18.5	5
15	256QAM	75	0	17.30	17.17	17.44	17.19		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695	23.5	0
10	QPSK	1	0	22.17	22.06	22.09	22.25		
10	QPSK	1	25	22.09	22.30	22.07	22.23		
10	QPSK	1	49	22.23	22.35	22.06	22.15	22.5	1
10	QPSK	25	0	21.06	21.02	21.32	21.36		
10	QPSK	25	12	21.04	21.27	21.35	21.11		
10	QPSK	25	25	21.17	21.31	21.18	21.37	22.5	1
10	QPSK	50	0	21.50	21.29	21.26	21.27		
10	16QAM	1	0	21.24	20.92	21.21	21.22		
10	16QAM	1	25	21.00	21.03	21.04	21.20	22.5	1
10	16QAM	1	49	21.07	21.06	21.17	20.92		
10	16QAM	25	0	20.17	20.23	20.20	20.23		
10	16QAM	25	12	20.31	20.07	20.35	20.30	21.5	2
10	16QAM	25	25	20.31	20.25	20.11	20.37		
10	16QAM	50	0	20.34	20.45	20.32	20.36		
10	64QAM	1	0	20.24	20.07	20.21	19.86	21.5	2
10	64QAM	1	25	20.21	19.86	19.99	20.19		
10	64QAM	1	49	20.12	20.13	20.16	20.06		
10	64QAM	25	0	19.33	19.36	19.14	19.27	20.5	3
10	64QAM	25	12	19.08	19.23	19.38	19.25		
10	64QAM	25	25	19.27	19.42	19.21	19.42		
10	64QAM	50	0	19.22	19.41	19.29	19.51	18.5	5
10	256QAM	1	0	17.25	17.14	17.13	17.17		
10	256QAM	1	25	17.00	17.35	17.05	17.22		
10	256QAM	1	49	17.28	17.26	16.96	17.16	18.5	5
10	256QAM	25	0	17.13	17.08	17.37	17.36		
10	256QAM	25	12	17.10	17.30	17.39	17.17		
10	256QAM	25	25	17.17	17.30	17.15	17.29	18.5	5
10	256QAM	50	0	17.48	17.39	17.27	17.33		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607.5	3642.5	3692.5	23.5	0
5	QPSK	1	0	22.26	22.19	22.13	22.27		
5	QPSK	1	12	22.29	22.17	22.07	22.03		
5	QPSK	1	24	22.25	22.10	22.19	22.11	22.5	1
5	QPSK	12	0	21.17	21.15	21.14	21.30		
5	QPSK	12	7	21.04	21.33	21.36	21.29		
5	QPSK	12	13	21.24	21.38	21.10	21.31	22.5	1
5	QPSK	25	0	21.42	21.20	21.26	21.33		
5	16QAM	1	0	21.19	21.09	21.10	21.19		
5	16QAM	1	12	21.11	21.03	21.09	21.25	21.5	2
5	16QAM	1	24	21.24	20.92	21.15	21.10		
5	16QAM	12	0	20.30	20.04	20.40	20.23		
5	16QAM	12	7	20.26	20.35	20.42	20.07	21.5	2
5	16QAM	12	13	20.28	20.27	20.03	20.18		
5	16QAM	25	0	20.48	20.38	20.20	20.47		
5	64QAM	1	0	20.24	20.28	20.16	19.96	21.5	2
5	64QAM	1	12	19.97	19.89	20.01	20.25		
5	64QAM	1	24	20.00	20.25	20.24	20.08		
5	64QAM	12	0	19.13	19.32	19.18	19.14	20.5	3
5	64QAM	12	7	19.33	19.26	19.31	19.40		
5	64QAM	12	13	19.10	19.39	19.29	19.23		
5	64QAM	25	0	19.24	19.31	19.29	19.61	18.5	5
5	256QAM	1	0	17.30	17.18	17.11	17.39		
5	256QAM	1	12	17.24	17.28	17.07	17.13		
5	256QAM	1	24	17.23	17.19	17.13	17.21	18.5	5
5	256QAM	12	0	17.29	17.27	17.25	17.31		
5	256QAM	12	7	17.11	17.24	17.39	17.34		
5	256QAM	12	13	17.35	17.49	17.18	17.23	18.5	5
5	256QAM	25	0	17.41	17.26	17.27	17.38		

Reduced power level for WWAN

GSM850 Ant0 DS11

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	180	251		128	180	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8		
Frequency (MHz)	32.72	32.86	32.88	33.50	23.72	23.86	23.88	24.50
GSM 1 Tx slot	32.81	32.87	32.97	33.50	23.81	23.87	23.97	24.50
GPRS 2 Tx slots	29.62	29.40	29.66	30.50	23.62	23.40	23.66	24.50
GPRS 3 Tx slots	27.75	27.77	27.82	28.50	23.49	23.51	23.56	24.24
GPRS 4 Tx slots	26.30	26.58	26.57	27.50	23.30	23.58	23.57	24.50
EDGE 1 Tx slot	26.71	26.70	27.05	27.50	17.71	17.70	18.05	18.50
EDGE 2 Tx slots	23.68	23.63	23.55	24.50	17.68	17.63	17.55	18.50
EDGE 3 Tx slots	21.74	22.01	22.03	23.00	17.48	17.75	17.77	18.74
EDGE 4 Tx slots	20.32	20.64	20.62	21.50	17.32	17.64	17.62	18.50

WCDMA V Ant0 DS11

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		526.4	530.4	535.6	
3GPP Rel 99	AMR 12.2kbps	24.20	24.31	24.22	25.00
3GPP Rel 99	RMC 12.2kbps	24.26	24.34	24.27	25.00
3GPP Rel 6	HSDPA Subtest-1	23.38	23.19	23.31	24.00
3GPP Rel 6	HSDPA Subtest-2	23.21	23.38	23.07	24.00
3GPP Rel 6	HSDPA Subtest-3	22.75	22.83	22.69	23.50
3GPP Rel 6	HSDPA Subtest-4	22.59	22.77	22.50	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.35	23.25	23.23	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.10	23.36	23.09	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.89	22.86	22.79	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.53	22.94	22.61	23.50
3GPP Rel 6	HSUPA Subtest-1	23.09	23.29	23.34	24.00
3GPP Rel 6	HSUPA Subtest-2	21.36	21.22	21.20	22.00
3GPP Rel 6	HSUPA Subtest-3	22.18	22.53	22.10	23.00
3GPP Rel 6	HSUPA Subtest-4	21.05	21.24	20.93	22.00
3GPP Rel 6	HSUPA Subtest-5	23.16	23.36	23.42	24.00



Band 4 Ant0 DS1t									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Mod Ch / Freq	Power Hsp Ch / Freq	Power Mod Ch / Freq	Turn-up Int. (sec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.96	22.94	22.79			
20	QPSK	1	49	22.96	22.94	22.79	24.5	0	
20	QPSK	1	99	22.71	22.88	22.80			
20	QPSK	50	0	22.00	22.02	21.85			
20	QPSK	50	24	21.86	21.83	21.67	23.5	1	
20	QPSK	50	50	22.04	22.02	21.88			
20	QPSK	100	0	21.81	22.05	21.76			
20	16QAM	1	0	22.17	22.16	22.08			
20	16QAM	1	49	22.11	22.17	22.27	23.5	1	
20	16QAM	1	99	22.20	22.32	22.03			
20	16QAM	50	0	20.80	20.89	20.90			
20	16QAM	50	24	20.86	20.89	20.96	22.5	2	
20	16QAM	50	50	20.84	20.82	20.81			
20	16QAM	100	0	20.84	20.89	20.84			
20	64QAM	1	0	20.93	21.09	20.99	22.5	2	
20	64QAM	1	49	20.98	20.99	20.99			
20	64QAM	1	99	20.71	20.74	21.02			
20	64QAM	50	0	19.82	19.96	19.91			
20	64QAM	50	24	19.84	19.85	20.02	21.5	3	
20	64QAM	50	50	19.75	19.76	19.91			
20	64QAM	100	0	19.71	19.83	19.78			
20	256QAM	1	49	17.82	17.73	17.88			
20	256QAM	1	99	17.82	17.77	17.88			
20	256QAM	50	0	17.55	17.77	17.84			
20	256QAM	50	24	18.12	18.09	17.98	19.5	5	
20	256QAM	50	50	18.05	17.84	17.97			
20	256QAM	100	0	17.88	17.88	17.98			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.81	22.82	22.84			
15	QPSK	1	27	22.87	22.91	22.88	24.5	0	
15	QPSK	1	74	22.84	22.78	22.88			
15	QPSK	36	0	22.11	22.06	21.94			
15	QPSK	36	24	22.09	22.05	21.92	23.5	1	
15	QPSK	36	39	22.10	22.08	21.96			
15	QPSK	75	0	22.14	22.07	21.94			
15	16QAM	1	0	22.06	22.10	22.00			
15	16QAM	1	37	21.88	22.08	22.17	23.5	1	
15	16QAM	1	74	21.89	21.87	21.86			
15	16QAM	36	0	20.75	20.83	20.77			
15	16QAM	36	20	20.74	20.82	20.87	22.5	2	
15	16QAM	36	49	20.75	20.80	20.80			
15	16QAM	75	0	20.75	20.80	20.73			
15	64QAM	1	0	20.78	20.87	20.84	22.5	2	
15	64QAM	1	37	20.81	20.87	20.84			
15	64QAM	1	74	20.85	20.89	20.87			
15	64QAM	36	0	19.74	19.83	19.76	21.5	3	
15	64QAM	36	20	19.75	19.82	19.88			
15	64QAM	36	39	19.82	19.85	19.89			
15	64QAM	75	0	19.67	19.88	19.86			
15	256QAM	1	0	17.84	17.84	17.84			
15	256QAM	1	37	17.97	17.79	17.88	19.5	5	
15	256QAM	1	74	18.04	17.72	17.73			
15	256QAM	36	0	17.84	17.84	17.84			
15	256QAM	36	20	18.08	17.87	17.92	19.5	5	
15	256QAM	36	39	17.90	17.88	17.78			
15	256QAM	75	0	17.84	17.81	17.88			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.87	22.79	22.80			
10	QPSK	1	25	22.87	22.87	22.99	24.5	0	
10	QPSK	1	49	22.72	22.80	22.83			
10	QPSK	25	0	22.03	21.97	22.02			
10	QPSK	25	25	21.88	21.86	21.82	23.5	1	
10	16QAM	1	0	22.15	22.09	21.89			
10	16QAM	1	25	21.89	22.10	22.15	23.5	1	
10	16QAM	15	0	20.68	20.74	20.68			
10	16QAM	25	12	20.73	20.77	20.92	22.5	2	
10	16QAM	25	19	20.73	20.71	20.74			
10	16QAM	50	0	20.68	20.80	20.61			
10	16QAM	1	0	20.76	20.88	20.72	22.5	2	
10	64QAM	1	0	20.85	20.82	20.88			
10	64QAM	1	49	20.75	20.79	20.82			
10	64QAM	25	0	19.82	20.02	19.81			
10	64QAM	25	12	19.82	19.85	19.88	21.5	3	
10	64QAM	25	25	19.58	19.69	19.81			
10	64QAM	50	0	19.79	19.89	19.68			
10	256QAM	1	25	17.83	17.73	17.79	19.5	5	
10	256QAM	1	49	17.86	17.86	17.86			
10	256QAM	25	12	17.86	17.87	17.82			
10	256QAM	25	25	17.82	17.89	17.72	19.5	5	
10	256QAM	50	0	17.80	17.73	17.85			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.95	22.95	22.76			
5	QPSK	1	12	22.99	22.72	22.83	24.5	0	
5	QPSK	1	24	22.89	22.75	22.71			
5	QPSK	18	0	21.86	21.76	21.80			
5	QPSK	12	7	22.07	21.84	21.86	23.5	1	
5	QPSK	12	13	21.87	21.78	21.78			
5	16QAM	1	0	22.05	22.10	22.04			
5	16QAM	1	12	21.86	22.05	22.17	23.5	1	
5	16QAM	15	0	20.65	20.73	20.68			
5	16QAM	12	0	20.75	20.79	20.77			
5	16QAM	12	7	20.72	20.74	20.92	22.5	2	
5	16QAM	12	13	20.76	20.73	20.88			
5	16QAM	25	0	20.79	20.79	20.75			
5	64QAM	1	0	20.83	21.05	20.80	22.5	2	
5	64QAM	1	12	20.84	20.79	20.85			
5	64QAM	1	24	20.74	20.72	20.85			
5	64QAM	12	0	19.70	19.83	19.80	21.5	3	
5	64QAM	12	13	19.69	19.89	19.86			
5	64QAM	25	0	19.83	19.83	19.80			
5	64QAM	25	12	19.80	17.88	17.74			
5	256QAM	1	12	17.88	17.83	17.83	19.5	5	
5	256QAM	1	24	17.78	17.86	17.71			
5	256QAM	12	7	17.78	17.73	17.70			
5	256QAM	12	13	18.02	17.79	17.92	19.5	5	
5	256QAM	25	0	18.07	17.86	17.76			
5	256QAM	25	12	17.90	17.84	17.74			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.98	22.95	22.76			
3	QPSK	1	14	22.83	22.76	22.71	24.5	0	
3	QPSK	8	0	21.87	21.80	21.78			
3	QPSK	8	4	20.92	21.80	21.83	23.5	1	
3	QPSK	8	7	21.80	21.88	21.85			
3	16QAM	1	0	22.05	21.88	21.88			
3	16QAM	1	0	22.04	22.18	22.17	23.5	1	
3	16QAM	1	8	21.87	22.12	22.12			
3	16QAM	1	22	22.05	22.22	22.00			
3	16QAM	8	0	20.77	20.74	20.81			
3	16QAM	8	4	20.83	20.75	20.85	22.5	2	
3	16QAM	8	7	20.80	20.79	20.78			
3	64QAM	1	0	20.89	20.84	20.84	22.5	2	
3	64QAM	1	0	20.89	20.82	20.88			
3	64QAM	1	14	20.55	20.71	20.84			
3	64QAM	8	0	19.70	19.82	19.81	21.5	3	
3	64QAM	8	4	19.70	19.82	19.81			
3	64QAM	8	7	19.81	19.76	19.88			
3	256QAM	1	0	17.80	17.87	17.73			
3	256QAM	1	8	17.83	17.89	17.73	19.5	5	
3	256QAM	8	0	17.73	17.88	17.84			
3	256QAM	8	0	18.03	17.79	17.84			
3	256QAM	8	4	17.87	17.88	17.82	19.5	5	
3	256QAM	8	7	17.85	17.88	17.88			
3	256QAM	15	0	18.02	17.83	17.72			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.88	22.76	22.83			
1.4	QPSK	1	3	22.90	22.76	22.82	24.5	0	
1.4	QPSK	1	5	22.81	22.73	22.77			
1.4	QPSK	3	1	22.84	22.79	22.82			
1.4	QPSK	3	1	22.99	22.76	22.82	23.5	1	
1.4	16QAM	1	0	21.79	21.80	21.69			
1.4	16QAM	1	3	21.84	21.88	21.82	23.5	1	
1.4	16QAM	1	5	21.85	21.88	21.67			
1.4	16QAM	3	0	21.85	21.88	21.67			
1.4	16QAM	3	0	21.85	21.88	21.67	23.5	1	
1.4	16QAM	3	1	21.71	21.74	21.74			
1.4	16QAM	5	0	20.74	20.73	20.78	22.5	2	
1.4	16QAM	5	0	20.85	20.87	20.85			
1.4	64QAM	1	0	20.88	20.87	20.72			
1.4	64QAM	1	0	20.77	20.75	20.84			
1.4	64QAM	1	14	20.84	20.76	20.87	21.5	3	
1.4	64QAM	8	0	17.87	17.88	17.78			
1.4	64QAM	8	0	18.01	17.84	17.78			
1.4	256QAM	1	3	17.87	17.71	17.71	19.5	5	
1.4	256QAM	3	0	17.72	17.70	17.76			
1.4	256QAM	3	0	17.84	17.76	17.71			
1.4	256QAM	3	1	17.87	17.71	17.71	19.5	5	



Band 13 Ant0 DSH1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mod Ch / Freq	Power Hgt Ch / Freq	Turn-up Int (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.53					
10	QPSK	1	25	24.53					
10	QPSK	1	49	24.45					25.5
10	QPSK	25	0	23.55					
10	QPSK	25	12	23.55					
10	QPSK	25	25	23.51					24.5
10	QPSK	50	0	23.54					
10	16QAM	1	0	23.59					
10	16QAM	1	25	23.65					24.5
10	16QAM	1	49	23.54					
10	16QAM	25	0	22.55					
10	16QAM	25	12	22.58					23.5
10	16QAM	25	25	22.64					
10	16QAM	50	0	22.58					
10	16QAM	1	0	22.55					
10	8QAM	1	25	22.61					23.5
10	8QAM	1	49	22.70					
10	8QAM	25	0	21.55					
10	8QAM	25	12	21.56					22.5
10	8QAM	25	25	21.62					
10	8QAM	50	0	21.53					
10	256QAM	1	0	19.28					
10	256QAM	1	25	19.39					20.5
10	256QAM	1	49	19.17					
10	256QAM	25	0	19.44					
10	256QAM	25	12	19.51					20.5
10	256QAM	25	25	19.48					
10	256QAM	50	0	19.24					
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.05	23.26	23.05			
5	QPSK	1	25	22.93	23.26	22.93			
5	QPSK	1	49	24.48	24.52	24.47			25.5
5	QPSK	1	24	24.37	24.49	24.49			
5	QPSK	1	24	24.48	24.48	24.50			
5	QPSK	12	0	24.48	23.52	23.51			
5	QPSK	12	7	23.60	23.64	23.64			24.5
5	QPSK	12	13	23.56	23.59	23.58			
5	QPSK	25	0	23.59	23.58	23.47			
5	16QAM	1	0	23.49	23.65	23.47			
5	16QAM	1	12	23.35	23.60	23.38			24.5
5	16QAM	1	24	23.51	23.49	23.55			
5	16QAM	12	0	22.53	22.59	22.51			
5	16QAM	12	7	22.68	22.61	22.64			23.5
5	16QAM	12	13	22.63	22.69	22.66			
5	16QAM	25	0	22.60	22.51	22.54			
5	8QAM	1	0	22.60	22.77	22.75			23.5
5	8QAM	1	24	22.79	22.81	22.70			
5	8QAM	1	24	22.81	22.71	22.66			22.5
5	8QAM	12	0	21.51	21.55	21.51			
5	8QAM	12	13	21.68	21.63	21.63			22.5
5	8QAM	25	0	21.55	21.51	21.53			
5	256QAM	1	0	19.38	19.43	19.30			
5	256QAM	1	12	19.12	19.38	19.33			20.5
5	256QAM	1	24	19.40	19.22	19.32			
5	256QAM	12	0	19.34	19.39	19.35			
5	256QAM	12	7	19.47	19.47	19.46			20.5
5	256QAM	12	13	19.51	19.42	19.34			
5	256QAM	24	0	19.47	19.30	19.33			

Band 17 Ant0 DSH1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mod Ch / Freq	Power Hgt Ch / Freq	Turn-up Int (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.12	24.23	24.06			
10	QPSK	1	25	24.03	23.99	24.17			25.5
10	QPSK	1	49	24.27	24.26	24.17			
10	QPSK	25	0	23.12	23.35	23.22			
10	QPSK	25	12	23.24	23.17	23.23			24.5
10	QPSK	25	25	23.23	23.29	23.21			
10	QPSK	50	0	23.12	23.22	23.19			
10	16QAM	1	0	23.42	23.49	23.31			
10	16QAM	1	25	23.51	23.47	23.35			24.5
10	16QAM	1	49	23.62	23.62	23.51			
10	16QAM	25	0	22.19	22.19	22.25			
10	16QAM	25	12	22.31	22.14	22.26			23.5
10	16QAM	25	25	22.41	22.45	22.16			
10	16QAM	50	0	22.25	22.15	22.20			
10	8QAM	1	0	22.23	22.04	22.21			
10	8QAM	1	25	22.29	22.29	22.16			23.5
10	8QAM	1	49	22.14	22.39	22.33			
10	8QAM	25	0	21.15	21.15	21.09			
10	8QAM	25	12	21.26	21.26	21.25			22.5
10	8QAM	25	25	21.16	21.17	21.33			
10	8QAM	50	0	21.17	21.16	21.15			
10	256QAM	1	0	19.56	19.22	19.31			
10	256QAM	1	25	19.54	19.32	19.35			20.5
10	256QAM	1	49	19.22	19.34	19.10			
10	256QAM	25	0	19.21	19.22	19.35			
10	256QAM	25	12	19.28	19.29	19.16			20.5
10	256QAM	25	25	19.25	19.23	19.03			
10	256QAM	50	0	19.23	19.09	19.19			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.06	24.07	23.99			
5	QPSK	1	12	23.99	23.85	24.01			25.5
5	QPSK	1	24	23.93	24.10	23.84			
5	QPSK	12	0	22.98	23.02	23.14			
5	QPSK	12	7	23.13	23.03	23.12			24.5
5	QPSK	12	13	23.12	23.12	23.08			
5	QPSK	25	0	23.14	23.03	23.06			
5	16QAM	1	0	23.29	23.35	23.26			
5	16QAM	1	12	23.46	23.29	23.24			24.5
5	16QAM	1	24	23.59	23.54	23.46			
5	16QAM	12	0	22.07	22.14	22.26			
5	16QAM	12	7	22.19	22.03	22.14			23.5
5	16QAM	12	13	22.27	22.22	22.19			
5	16QAM	25	0	22.14	22.02	22.15			
5	8QAM	1	0	22.10	21.89	22.12			23.5
5	8QAM	1	24	22.30	22.22	22.20			
5	8QAM	12	0	21.06	21.04	20.99			
5	8QAM	12	7	21.17	21.10	21.15			22.5
5	8QAM	12	13	21.17	21.02	21.05			
5	8QAM	25	0	21.02	21.07	21.09			22.5
5	8QAM	25	12	21.11	21.05	21.04			
5	8QAM	25	25	21.05	21.02	21.03			
5	256QAM	1	0	19.07	19.17	19.06			
5	256QAM	1	12	18.88	19.14	19.13			20.5
5	256QAM	1	24	19.22	19.05	19.02			
5	256QAM	12	0	19.30	19.21	19.08			
5	256QAM	12	7	19.18	19.39	19.16			20.5
5	256QAM	12	13	19.37	19.31	18.97			
5	256QAM	25	0	19.27	19.03	19.02			

Band 26 Ant0 DSH1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mod Ch / Freq	Power Hgt Ch / Freq	Turn-up Int (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.21	24.35	24.21			
15	QPSK	1	37	24.26	24.31	24.32	25.5	0	
15	QPSK	1	74	24.27	24.26	24.17			
15	QPSK	36	0	23.30	23.41	23.28			
15	QPSK	36	20	23.36	23.34	23.28	24.5	1	
15	QPSK	36	36	23.39	23.33	23.34			
15	QPSK	75	0	23.34	23.37	23.30			
15	16QAM	1	0	23.17	23.21	23.27			
15	16QAM	1	37	23.08	23.43	23.39	24.5	1	
15	16QAM	1	74	23.22	23.24	23.06			
15	16QAM	36	0	22.33	22.36	22.32			
15	16QAM	36	20	22.40	22.38	22.39			
15	16QAM	36	36	22.39	22.40	22.26	23.5	2	
15	16QAM	75	0	22.37	22.38	22.32			
15	8QAM	1	0	22.42	22.47	22.49			
15	8QAM	1	37	22.48	22.67	22.54			
15	8QAM	1	74	22.42	22.54	22.43			
15	8QAM	36	0	21.34	21.39	21.32			
15	8QAM	36	20	21.38	21.38	21.27	22.5	3	
15	8QAM	36	36	21.40	21.42	21.38			
15	8QAM	75	0	21.40	21.36	21.32			
15	256QAM	1	0	19.12	19.22	19.06			
15	256QAM	1	37	19.59	19.30	19.15	20.5	5	
15	256QAM	1	74	19.29	19.07	19.20			
15	256QAM	36	0	19.28	19.28	19.14			
15	256QAM	36	20	19.38	19.31	19.35			20.5
15	256QAM	36	36	19.28	19.38	19.07			
15	256QAM	75	0	19.27	19.32	19.07			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.03	24.08	24.08			
5	QPSK	1	20	24.02	24.17	24.06	25.5	0	
5	QPSK	1	40	24.01	24.14	24.17			
5	QPSK	24	0	23.32	23.32	23.04			
5	QPSK	24	12	23.34	23.19	23.13			
5	QPSK	24	24	23.35	23.14	23.08			
5	QPSK	50	0	23.21	23.12	23.24			
5	16QAM	1	0	23.12	23.01	23.35			
5	16QAM	1	20	23.11	23.14	23.14	24.5	1	
5	16QAM	1	40	23.16	23.14	23.01			
5	16QAM	24	0	22.13	22.16	22.33			
5	16QAM	24	12	22.15	22.16	22.23	23.5	2	
5	16QAM	24	24	22.24	22.22	22.22			
5	16QAM	50	0	22.22	22.11	22.24			
5	8QAM	1	0	22.22	22.24	22.23			
5	8QAM	1	20	22.25	22.24	22.20	23.5	2	
5	8QAM	1	40	22.44	22.54	22.44			
5	8QAM	24	0	21.24	21.24	21.16			
5	8QAM	24	12	21.31	21.34	21.27	22.5	3	
5	8QAM	24	24	21.20	21.21	21.38			
5	8QAM	50	0	21.28	21.13	21.28			
5	256QAM	1	0	19.13	19.30	19.09			
5	256QAM	1	20	19.06	19.32	19.13	20.5	5	
5	256QAM	1	40	19.05	19.09	19.09			
5	256QAM	24	0	19.18	19.19	19.06			
5	256QAM	24	12	19.26	19.28	19.23			
5	256QAM	24	24	19.13	19.13	19.24	20.5	5	
5	256QAM	50	0	19.35	19.22	19.27			

Band 38 Ant0 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	24.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.88	22.94	22.70	23.5	1	
20	QPSK	1	49	22.89	22.71	22.90			
20	QPSK	1	99	22.83	22.78	22.80	23.5	1	
20	QPSK	50	0	21.90	21.99	21.95			
20	QPSK	50	24	21.95	21.86	21.93	22.5	2	
20	QPSK	50	50	21.96	21.90	21.97			
20	QPSK	100	0	22.00	22.01	21.95	22.5	2	
20	16QAM	1	0	21.95	21.99	21.91			
20	16QAM	1	49	21.85	22.01	21.79	22.5	2	
20	16QAM	1	99	22.05	22.09	22.02			
20	16QAM	50	0	20.92	20.88	21.04	22.5	2	
20	16QAM	50	24	21.04	20.89	20.96			
20	16QAM	50	50	21.05	20.87	20.93	22.5	2	
20	16QAM	100	0	21.07	20.90	20.95			
20	64QAM	1	0	21.02	20.84	20.89	22.5	2	
20	64QAM	1	49	20.73	20.81	20.68			
20	64QAM	1	99	20.85	20.59	20.81	21.5	3	
20	64QAM	50	0	19.86	19.96	20.01			
20	64QAM	50	24	20.14	19.99	19.88	19.5	5	
20	64QAM	50	50	20.08	19.89	20.00			
20	64QAM	100	0	19.95	19.97	19.91	19.5	5	
20	256QAM	1	0	17.94	18.08	17.80			
20	256QAM	1	49	18.05	17.92	17.96	19.5	5	
20	256QAM	1	99	17.83	17.94	17.97			
20	256QAM	50	0	18.03	18.17	18.03	19.5	5	
20	256QAM	50	24	18.12	17.92	18.02			
20	256QAM	50	50	18.02	17.97	18.06	19.5	5	
20	256QAM	100	0	18.15	18.17	17.93			
Channel				37825	38000	38175	24.5	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.72	22.89	22.62	23.5	1	
15	QPSK	1	37	22.83	22.62	22.80			
15	QPSK	1	74	22.66	22.69	22.83	23.5	1	
15	QPSK	36	0	21.74	21.89	21.79			
15	QPSK	36	20	21.97	21.89	21.75	23.5	1	
15	QPSK	36	39	21.92	21.84	21.83			
15	QPSK	75	0	21.96	21.95	21.82	23.5	1	
15	16QAM	1	0	21.79	21.98	21.91			
15	16QAM	1	37	21.75	22.03	21.73	22.5	2	
15	16QAM	1	74	21.91	22.12	21.90			
15	16QAM	36	0	20.81	20.82	20.93	22.5	2	
15	16QAM	36	20	20.96	20.90	20.90			
15	16QAM	36	39	20.97	20.82	20.81	22.5	2	
15	16QAM	75	0	21.02	20.88	20.81			
15	64QAM	1	0	20.97	20.81	20.51	21.5	3	
15	64QAM	1	37	20.61	20.75	20.60			
15	64QAM	1	74	20.80	20.51	20.63	19.5	5	
15	64QAM	36	0	19.72	19.92	19.90			
15	64QAM	36	20	20.01	19.94	19.77	19.5	5	
15	64QAM	36	39	19.98	19.82	19.88			
15	64QAM	75	0	19.76	19.91	19.74	19.5	5	
15	256QAM	1	0	17.85	17.91	17.65			
15	256QAM	1	37	17.96	17.81	17.82	19.5	5	
15	256QAM	1	74	17.66	17.86	17.86			
15	256QAM	36	0	17.93	17.90	17.91	19.5	5	
15	256QAM	36	20	18.10	18.08	17.95			
15	256QAM	36	39	18.10	17.85	18.02	19.5	5	
15	256QAM	75	0	18.00	17.98	18.00			
Channel				37800	38000	38200	24.5	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.82	22.82	22.56	23.5	1	
10	QPSK	1	25	22.89	22.71	22.82			
10	QPSK	1	49	22.65	22.77	22.87	22.5	2	
10	QPSK	25	0	21.80	21.79	21.81			
10	QPSK	25	12	21.95	21.88	21.79	22.5	2	
10	QPSK	25	25	21.93	21.89	21.80			
10	QPSK	50	0	21.98	21.96	21.80	23.5	1	
10	16QAM	1	0	21.85	21.92	21.76			
10	16QAM	1	25	21.76	21.98	21.65	22.5	2	
10	16QAM	1	49	21.89	22.02	21.94			
10	16QAM	25	0	20.84	20.87	20.95	22.5	2	
10	16QAM	25	12	20.93	20.80	20.84			
10	16QAM	25	25	20.92	20.84	20.86	22.5	2	
10	16QAM	50	0	21.01	20.86	20.88			
10	64QAM	1	0	20.85	20.83	20.52	21.5	3	
10	64QAM	1	25	20.56	20.79	20.59			
10	64QAM	1	49	20.72	20.63	20.75	19.5	5	
10	64QAM	25	0	19.79	19.99	19.97			
10	64QAM	25	12	20.07	19.93	19.83	19.5	5	
10	64QAM	25	25	19.99	19.82	19.94			
10	64QAM	50	0	19.83	19.98	19.81	19.5	5	
10	256QAM	1	0	18.00	18.03	17.64			
10	256QAM	1	25	18.09	17.73	17.92	19.5	5	
10	256QAM	1	49	17.72	17.93	17.96			
10	256QAM	25	0	17.88	17.81	17.85	19.5	5	
10	256QAM	25	12	18.03	17.90	17.97			
10	256QAM	25	25	17.98	17.94	17.97	19.5	5	
10	256QAM	50	0	18.20	17.99	17.83			
Channel				3177.5	38000	38225	24.5	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.77	22.87	22.53	23.5	1	
5	QPSK	1	12	22.81	22.65	22.78			
5	QPSK	1	24	22.76	22.75	22.86	23.5	1	
5	QPSK	12	0	21.84	21.85	21.78			
5	QPSK	12	7	21.90	21.87	21.80	23.5	1	
5	QPSK	12	13	21.90	21.87	21.88			
5	QPSK	25	0	21.85	21.95	21.87	23.5	1	
5	16QAM	1	0	21.84	21.97	21.75			
5	16QAM	1	12	21.88	21.94	21.74	22.5	2	
5	16QAM	1	24	22.00	22.00	21.93			
5	16QAM	12	0	20.82	20.87	20.87	22.5	2	
5	16QAM	12	7	20.86	20.89	20.88			
5	16QAM	12	13	20.87	20.81	20.75	22.5	2	
5	16QAM	25	0	21.02	20.88	20.78			
5	64QAM	1	0	20.91	20.84	20.57	21.5	3	
5	64QAM	1	12	20.59	20.73	20.62			
5	64QAM	1	24	20.78	20.56	20.73	19.5	5	
5	64QAM	12	0	19.68	19.92	19.94			
5	64QAM	12	7	20.04	20.01	19.73	19.5	5	
5	64QAM	12	13	20.02	19.81	19.87			
5	64QAM	25	0	19.83	19.93	19.74	19.5	5	
5	256QAM	1	0	17.85	18.02	17.74			
5	256QAM	1	12	17.94	17.67	17.99	19.5	5	
5	256QAM	1	24	17.89	17.93	18.01			
5	256QAM	12	0	17.90	17.86	17.82	19.5	5	
5	256QAM	12	7	17.93	17.87	17.88			
5	256QAM	12	13	18.05	17.94	18.08	19.5	5	
5	256QAM	25	0	17.98	18.16	17.90			

Band 41 Ant0 DSI1				
-------------------	--	--	--	--

GSM850 Ant1 DSI1

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM T1 Tx slot	30.87	30.51	30.77	31.00	21.87	21.51	21.77	22.00
GPRS 1 Tx slot	30.81	30.88	30.72	31.00	21.81	21.88	21.72	22.00
GPRS 2 Tx slots	27.02	26.94	27.21	28.00	21.02	20.94	21.21	22.00
GPRS 3 Tx slots	25.73	25.63	25.68	27.00	21.47	21.37	21.42	22.74
GPRS 4 Tx slots	24.31	24.47	24.42	26.00	21.31	21.47	21.42	23.00
EDGE 1 Tx slot	26.77	26.92	26.90	28.00	17.77	17.92	17.90	19.00
EDGE 2 Tx slots	23.84	23.70	23.67	25.00	17.84	17.70	17.67	19.00
EDGE 3 Tx slots	21.90	22.18	22.16	23.50	17.64	17.92	17.90	19.24
EDGE 4 Tx slots	20.38	20.68	20.72	22.00	17.38	17.68	17.72	19.00

WCDMA V Ant1 DSI1

Band	WCDMA V			Tune-up Limit (dBm)
	4132	4182	4233	
TX Channel	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2kbps	21.41	21.43	21.39	22.00
3GPP Rel 99 RMC 12.2kbps	21.49	21.50	21.44	22.00
3GPP Rel 6 HSDPA Subtest-1	20.38	20.56	20.42	21.00
3GPP Rel 6 HSDPA Subtest-2	20.43	20.44	20.36	21.00
3GPP Rel 6 HSDPA Subtest-3	19.94	20.01	19.99	20.50
3GPP Rel 6 HSDPA Subtest-4	19.80	20.05	19.94	20.50
3GPP Rel 8 DC-HSDPA Subtest-1	20.28	20.49	20.41	21.00
3GPP Rel 8 DC-HSDPA Subtest-2	20.37	20.37	20.29	21.00
3GPP Rel 8 DC-HSDPA Subtest-3	19.83	20.13	19.99	20.50
3GPP Rel 8 DC-HSDPA Subtest-4	19.77	19.97	19.88	20.50
3GPP Rel 6 HSUPA Subtest-1	20.32	20.58	20.49	22.00
3GPP Rel 6 HSUPA Subtest-2	18.39	18.52	18.60	20.00
3GPP Rel 6 HSUPA Subtest-3	19.23	19.48	19.48	21.00
3GPP Rel 6 HSUPA Subtest-4	18.26	18.55	18.38	20.00
3GPP Rel 6 HSUPA Subtest-5	20.42	20.48	20.56	22.00



Band 5 Ant1_DS11											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (sec)	MFR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	21.34	21.45	21.33	22.7	0			
10	QPSK	1	25	21.33	21.31	21.28					
10	QPSK	1	49	21.28	21.28	21.24					
10	QPSK	25	0	21.36	21.45	21.31	22.7	0			
10	QPSK	25	12	21.24	21.32	21.34					
10	QPSK	25	25	21.30	21.37	21.26					
10	QPSK	50	0	21.23	21.45	21.32	22.7	0			
10	16QAM	1	0	21.36	21.39	21.49					
10	16QAM	1	25	21.37	21.30	21.34					
10	16QAM	1	49	21.40	21.26	21.25	22.7	0			
10	16QAM	25	0	21.40	21.35	21.33					
10	16QAM	25	12	21.21	21.38	21.39					
10	16QAM	25	25	21.43	21.39	21.36	22.7	0			
10	16QAM	50	0	21.26	21.35	21.38					
10	16QAM	50	1	21.28	21.23	21.25					
10	64QAM	1	0	21.34	21.29	21.44	22.7	0			
10	64QAM	1	25	21.44	21.35	21.37					
10	64QAM	25	0	21.26	21.43	21.44					
10	64QAM	25	12	21.41	21.28	21.41	22.7	0			
10	64QAM	50	0	21.36	21.19	21.31					
10	64QAM	50	0	21.36	21.19	21.31					
10	256QAM	1	0	19.39	19.55	19.43	20.7	2			
10	256QAM	1	25	19.35	19.35	19.34					
10	256QAM	1	49	19.34	19.50	19.32					
10	256QAM	25	0	19.47	19.45	19.37	20.7	2			
10	256QAM	25	12	19.45	19.39	19.39					
10	256QAM	25	25	19.51	19.39	19.45					
10	256QAM	50	0	19.41	19.47	19.34					
Channel				20.65	20.65	20.65					
Frequency (MHz)											
5	QPSK	1	0	21.22	21.37	21.22	22.7	0			
5	QPSK	1	12	21.30	21.30	21.20					
5	QPSK	1	24	21.29	21.09	21.07					
5	QPSK	12	0	21.31	21.28	21.25	22.7	0			
5	QPSK	12	7	21.19	21.33	21.16					
5	QPSK	12	13	21.10	21.20	21.13					
5	QPSK	25	0	21.12	21.41	21.19	22.7	0			
5	16QAM	1	0	21.30	21.35	21.08					
5	16QAM	1	12	21.25	21.20	21.30					
5	16QAM	1	24	21.30	21.12	21.15	22.7	0			
5	16QAM	12	0	21.41	21.31	21.28					
5	16QAM	12	7	21.22	21.39	21.40					
5	16QAM	12	13	21.39	21.38	21.30	22.7	0			
5	16QAM	25	0	21.21	21.35	21.18					
5	64QAM	1	0	21.24	21.00	21.22					
5	64QAM	1	12	21.24	21.23	21.40	22.7	0			
5	64QAM	1	24	21.21	21.29	21.13					
5	64QAM	12	0	21.27	21.11	21.32					
5	64QAM	12	7	21.10	21.27	21.14	22.7	0			
5	64QAM	12	13	21.14	21.06	21.22					
5	256QAM	1	0	19.37	19.40	19.41	20.7	2			
5	256QAM	1	12	19.42	19.38	19.42					
5	256QAM	1	24	19.44	19.51	19.19					
5	256QAM	12	0	19.45	19.26	19.21	20.7	2			
5	256QAM	12	7	19.33	19.28	19.51					
5	256QAM	12	13	19.49	19.28	19.41					
5	256QAM	25	0	19.39	19.41	19.37					
Channel				20.15	20.05	20.05					
Frequency (MHz)											
3	QPSK	1	0	21.13	21.30	21.20	22.7	0			
3	QPSK	1	8	21.15	21.10	21.08					
3	QPSK	1	14	21.22	21.04	21.06					
3	QPSK	8	0	21.16	21.13	21.25	22.7	0			
3	QPSK	8	7	21.10	21.27	21.14					
3	QPSK	8	7	21.22	21.30	21.10					
3	QPSK	16	0	21.12	21.16	21.08	22.7	0			
3	16QAM	1	0	21.10	21.22	21.13					
3	16QAM	1	8	21.22	21.13	21.25					
3	16QAM	1	14	21.21	21.05	21.11	22.7	0			
3	16QAM	8	0	21.13	21.21	21.08					
3	16QAM	8	4	21.05	21.35	21.27					
3	16QAM	8	7	21.17	21.26	21.22	22.7	0			
3	16QAM	15	0	21.06	21.09	21.16					
3	64QAM	1	0	21.14	21.16	21.09	22.7	0			
3	64QAM	1	8	21.26	21.16	21.26					
3	64QAM	1	14	21.25	21.25	21.21					
3	64QAM	8	0	21.19	21.12	21.15	22.7	0			
3	64QAM	8	4	20.98	21.10	21.22					
3	64QAM	8	7	21.18	21.16	21.21					
3	256QAM	1	0	19.47	19.26	19.21	20.7	2			
3	256QAM	1	8	19.42	19.09	19.22					
3	256QAM	8	4	19.24	19.31	19.45					
3	256QAM	8	7	19.43	19.29	19.38	20.7	2			
3	256QAM	15	0	19.32	19.25	19.38					
Channel				20.67	20.65	20.64					
Frequency (MHz)											
1.4	QPSK	1	0	21.10	21.26	21.15	22.7	0			
1.4	QPSK	1	5	21.14	21.04	21.07					
1.4	QPSK	1	5	21.05	20.96	21.14					
1.4	QPSK	3	0	21.22	21.20	21.13	22.7	0			
1.4	QPSK	3	3	21.08	21.16	21.14					
1.4	QPSK	3	3	20.99	21.23	21.02					
1.4	QPSK	6	0	21.12	21.24	21.09	22.7	0			
1.4	16QAM	1	0	21.10	21.30	20.95					
1.4	16QAM	1	3	21.14	21.04	21.06					
1.4	16QAM	1	6	21.10	21.06	21.09	22.7	0			
1.4	16QAM	3	0	21.26	21.18	21.05					
1.4	16QAM	3	1	21.07	21.28	21.12					
1.4	16QAM	3	7	21.27	21.19	21.27	22.7	0			
1.4	16QAM	6	0	21.15	21.09	21.26					
1.4	64QAM	1	0	21.13	20.97	20.92	22.7	0			
1.4	64QAM	1	3	21.23	21.27	21.22					
1.4	64QAM	1	5	21.24	21.22	21.23					
1.4	64QAM	3	0	21.18	21.15	21.36	22.7	0			
1.4	64QAM	3	3	21.27	21.26	21.24					
1.4	64QAM	3	3	21.27	21.26	21.24					
1.4	256QAM	1	0	19.25	19.15	19.21	20.7	2			
1.4	256QAM	1	3	19.25	19.17	19.18					
1.4	256QAM	1	5	19.41	19.16	19.24					
1.4	256QAM	3	0	19.32	19.24	19.34	20.7	2			
1.4	256QAM	3	1	19.21	19.13	19.35					
1.4	256QAM	3	3	19.42	19.16	19.24	20.7	2			
1.4	256QAM	6	0	19.31	19.34	19.22					

Band 26 Ant1_DS11													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turnup limit (dBm)	APRS (dB)					
Channel													
Frequency (MHz)				821.5	831.5	841.5							
15	QPSK	1	0	21.41	21.46	21.34	22.7	0					
15	QPSK	1	31	21.31	21.35	21.37							
15	QPSK	1	74	21.21	21.20	21.25							
15	QPSK	36	0	21.32	21.42	21.38	22.7	0					
15	QPSK	36	20	21.39	21.29	21.32							
15	QPSK	36	39	21.38	21.37	21.40							
15	QPSK	75	0	21.40	21.43	21.39	22.7	0					
15	16QAM	1	0	21.24	21.34	21.39							
15	16QAM	1	37	21.35	21.28	21.40							
15	16QAM	1	74	21.33	21.45	21.39	22.7	0					
15	16QAM	36	0	21.35	21.34	21.37							
15	16QAM	36	20	21.41	21.32	21.44							
15	16QAM	36	39	21.39	21.38	21.41	22.7	0					
15	16QAM	75	0	21.40	21.47	21.44							
15	64QAM	1	0	21.45	21.29	21.30							
15	64QAM	1	37	21.27	21.32	21.31	22.7	0					
15	64QAM	1	74	21.41	21.29	21.35							
15	64QAM	36	0	21.32	21.43	21.43							
15	64QAM	36	20	21.37	21.43	21.43	22.7	0					
15	64QAM	36	39	21.37	21.29	21.39							
15	64QAM	75	0	21.37	21.45	21.44							
15	256QAM	1	0	18.93	19.18	18.90	20.7	2					
15	256QAM	1	31	18.78	19.18	19.06							
15	256QAM	1	74	18.13	18.99	19.02							
15	256QAM	36	0	19.04	19.09	18.92	20.7	2					
15	256QAM	36	20	19.10	19.17	19.07							
15	256QAM	36	39	19.23	19.27	18.87							
15	256QAM	75	0	19.09	19.01	18.93							
Channel													
Frequency (MHz)				819	831.5	844	Turnup limit (dBm)	APRS (dB)					
5	QPSK	1	0	21.21	21.31	21.20	22.7	0					
5	QPSK	1	26	21.30	21.30	21.20							
5	QPSK	1	49	21.07	21.17	21.21							
5	QPSK	25	0	21.25	21.20	21.17	22.7	0					
5	QPSK	25	12	21.38	21.13	21.34							
5	QPSK	25	28	21.32	21.37	21.31							
5	QPSK	50	0	21.27	21.38	21.30	22.7	0					
5	16QAM	1	0	21.18	21.18	21.31							
5	16QAM	1	26	21.37	21.13	21.22							
5	16QAM	1	49	21.20	21.45	21.32	22.7	0					
5	16QAM	25	0	21.14	21.20	21.28							
5	16QAM	25	12	21.40	21.33	21.24							
5	16QAM	25	25	21.17	21.17	21.25	22.7	0					
5	16QAM	50	0	21.22	21.28	21.44							
5	256QAM	1	0	18.93	19.18	18.90			20.7	2			
5	256QAM	1	25	18.78	18.18	18.96							
5	256QAM	1	49	19.13	18.99	19.02							
5	256QAM	25	0	19.04	19.09	18.92	20.7	2					
5	256QAM	25	12	19.10	19.17	19.07							
5	256QAM	25	25	19.23	19.27	18.87							
5	256QAM	50	0	19.09	19.01	18.93							
Channel													
Frequency (MHz)				819.5	831.5	844.5	Turnup limit (dBm)	APRS (dB)					
3	QPSK	1	0	21.29	21.27	21.11	22.7	0					
3	QPSK	1	12	21.16	21.31	21.30							
3	QPSK	1	24	20.99	20.98	20.84							
3	QPSK	12	0	21.10	21.25	21.31	22.7	0					
3	QPSK	12	7	21.34	21.18	21.18							
3	QPSK	12	13	21.20	21.22	21.14							
3	QPSK	25	0	21.31	21.20	21.17	22.7	0					
3	16QAM	1	0	21.19	21.19	21.19							
3	16QAM	1	12	21.23	21.22	21.22							
3	16QAM	1	24	21.08	21.41	21.29	22.7	0					
3	16QAM	12	0	21.28	21.17	21.12							
3	16QAM	12	7	21.23	21.14	21.33							
3	16QAM	12	13	21.33	21.17	21.34	22.7	0					
3	16QAM	25	0	21.30	21.22	21.37							
3	64QAM	1	0	21.38	21.04	21.16							
3	64QAM	1	12	21.21	21.10	21.25	22.7	0					
3	64QAM	1	24	21.32	21.24	21.14							
3	64QAM	12	0	21.15	21.19	21.28							
3	64QAM	12	7	21.12	21.22	21.29	22.7	0					
3	64QAM	12	13	21.28	21.15	21.34							
3	64QAM	25	0	21.30	21.34	21.17							
3	256QAM	1	0	18.93	19.18	18.90	20.7	2					
3	256QAM	1	12	18.78	19.18	19.06							
3	256QAM	1	24	19.13	18.99	19.02							
3	256QAM	12	0	19.04	19.09	18.92	20.7	2					
3	256QAM	12	7	19.10	19.17	19.07							
3	256QAM	12	13	19.23	19.27	18.87							
3	256QAM	50	0	19.09	19.01	18.93							
Channel													
Frequency (MHz)				819.5	831.5	844.5	Turnup limit (dBm)	APRS (dB)					
1.4	QPSK	1	0	21.16	21.32	21.08	22.7	0					
1.4	QPSK	1	3	21.10	21.18	21.20							
1.4	QPSK	1	5	20.91	20.99	21.11							
1.4	QPSK	3	0	21.27	21.17	21.25	22.7	0					
1.4	QPSK	3	3	21.24	21.27	21.28							
1.4	QPSK	3	6	21.09	21.12	21.24							
1.4	QPSK	3	9	21.17	21.17	21.23	22.7	0					
1.4	QPSK	3	12	21.12	21.14	21.15							
1.4	QPSK	3	15	21.28	21.29	21.29							
1.4	16QAM	1	0	21.13	21.17	21.31	22.7	0					
1.4	16QAM	1	3	21.07	21.13	21.31							
1.4	16QAM	1	5	21.12	21.14	21.25							
1.4	16QAM	3	0	21.03	21.17	21.12	22.7	0					
1.4	16QAM	3	3	21.20	21.17	21.29							
1.4	16QAM	3	6	21.15	21.21	21.31							
1.4	16QAM	3	9	21.28	21.07	21.18	22.7	0					
1.4	16QAM	3	12	21.20	21.32	21.21							
1.4	16QAM	3	15	21.20	20.99	21.09							
1.4	16QAM	3	18	21.13	21.17	21.12	22.7	0					
1.4	16QAM	3	21	21.12	21.18	21.16							
1.4	16QAM	3	24	21.19	21.14	21.22							
1.4	16QAM	6	0	21.12	21.05	21.27	22.7	0					
1.4	16QAM	6	3	21.19	21.18	21.08							
1.4	16QAM	6	6	21.28	21.19	21.18							
1.4	16QAM	6	9	21.06	21.09	21.05	20.7	2					
1.4	16QAM	6	12	21.04	21.09	21.05							
1.4	16QAM	6	15	21.10	21.17	21.07							
1.4	16QAM	6	18	21.27	21.07	21.07	20.7	2					
1.4	16QAM	6	21	21.09	21.10	21.09							
1.4	16QAM	6	24	21.09	21.01	21.03							

GSM1900 Ant3 DSI1

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	30.02	29.88	30.01	30.50	21.02	20.88	21.01	21.50
GSM 1 Tx slot	29.93	29.75	29.74	30.50	20.93	20.75	20.74	21.50
GPRS 2 Tx slots	26.76	26.57	26.43	27.50	20.76	20.57	20.43	21.50
GPRS 3 Tx slots	24.57	24.68	24.83	25.50	20.31	20.42	20.57	21.24
GPRS 4 Tx slots	23.31	23.32	23.19	24.50	20.31	20.32	20.19	21.50
EDGE 1 Tx slot	25.73	25.78	25.98	26.50	16.73	16.78	16.98	17.50
EDGE 2 Tx slots	22.45	22.39	22.33	24.00	16.45	16.38	16.33	18.00
EDGE 3 Tx slots	20.60	20.66	20.82	21.50	16.34	16.40	16.56	17.24
EDGE 4 Tx slots	18.92	19.04	19.27	20.50	15.92	16.04	16.27	17.50

WCDMA II Ant3 DSI1

WCDMA IV Ant3 DSI1

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
TX Channel	9662	9800	9938		1537	1638	1738	
Rx Channel	1659.4	1680	1697.6		1742.4	1722.3	1752.6	
Frequency (MHz)	23.85	23.87	23.71	25.00	23.80	23.93	23.94	25.00
3GPP Rel 99	23.92	23.93	23.88	25.00	23.84	23.99	23.92	25.00
3GPP Rel 6	22.90	22.74	22.69	24.00	22.76	22.64	22.78	24.00
3GPP Rel 6	22.85	22.78	22.85	24.00	22.68	22.71	22.56	24.00
3GPP Rel 6	22.27	22.10	22.06	23.50	21.88	22.24	21.77	23.50
3GPP Rel 6	21.96	22.18	22.17	23.50	21.91	22.07	22.03	23.50
3GPP Rel 8	22.88	22.69	22.82	24.00	22.71	22.79	22.74	24.00
3GPP Rel 8	22.83	22.85	22.95	24.00	22.65	22.75	22.51	24.00
3GPP Rel 8	22.38	22.08	21.94	23.50	21.80	22.11	21.80	23.50
3GPP Rel 8	22.02	22.30	22.12	23.50	21.99	22.19	21.89	23.50
3GPP Rel 6	22.71	22.69	22.86	24.00	22.73	22.54	22.82	24.00
3GPP Rel 6	20.68	20.80	20.85	22.00	20.86	20.99	20.71	22.00
3GPP Rel 6	21.78	21.76	21.42	23.00	21.64	21.94	21.57	23.00
3GPP Rel 6	20.51	20.66	20.65	22.00	20.46	20.48	20.31	22.00
3GPP Rel 6	23.06	22.66	22.84	24.00	22.91	22.75	22.86	24.00

Band 2 Ant3 DSH1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-on Init. (dB)	MPE (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	24.26	24.26	24.17			25.5	0			
20	QPSK	1	48	24.18	24.18	24.08							
20	QPSK	1	96	24.14	24.07	24.15							
20	QPSK	50	0	23.28	23.35	23.23			24.5	1			
20	QPSK	50	24	23.25	23.22	23.27							
20	QPSK	50	50	23.26	23.24	23.24							
20	QPSK	100	0	23.19	23.33	23.21			24.5	1			
20	QPSK	100	0	23.15	23.34	23.30							
20	HQAM	1	48	23.52	23.52	23.44			23.5	2			
20	HQAM	1	96	23.26	23.18	23.18							
20	HQAM	50	0	22.32	22.34	22.22			23.5	2			
20	HQAM	50	24	22.35	22.25	22.29							
20	HQAM	100	0	22.32	22.20	22.23			23.5	2			
20	HQAM	1	0	22.40	22.44	22.34							
20	HQAM	1	48	22.47	22.51	22.51			23.5	2			
20	HQAM	50	0	21.30	21.26	21.27							
20	HQAM	50	24	21.34	21.22	21.25			22.5	3			
20	HQAM	100	0	21.25	21.21	21.21							
20	HQAM	1	0	19.16	19.16	19.16			20.5	5			
20	HQAM	1	48	19.33	19.36	19.36							
20	SSBQAM	1	99	19.22	19.18	19.22			20.5	5			
20	SSBQAM	1	99	19.25	19.29	19.22							
20	SSBQAM	50	24	19.26	19.18	19.15			20.5	5			
20	SSBQAM	50	50	19.15	19.27	19.28							
20	SSBQAM	100	0	19.17	19.30	19.30							
Channel													
Frequency (MHz)													
15	QPSK	1	0	24.26	24.08	24.12			25.5	0			
15	QPSK	1	37	24.07	24.04	24.05							
15	QPSK	1	74	24.11	24.05	24.15			24.5	1			
15	QPSK	36	0	23.22	23.19	23.12							
15	QPSK	36	20	23.13	23.12	23.15			24.5	1			
15	QPSK	36	36	23.08	23.02	23.28							
15	QPSK	75	0	23.25	23.18	23.23			24.5	1			
15	QPSK	75	0	23.13	23.14	23.12							
15	HQAM	1	37	23.48	23.38	23.21			24.5	1			
15	HQAM	1	74	23.16	23.16	23.16							
15	HQAM	36	0	22.08	22.00	22.14			23.5	2			
15	HQAM	36	20	22.35	22.25	22.10							
15	HQAM	36	36	22.26	22.05	22.18			23.5	2			
15	HQAM	75	0	22.32	22.05	22.18							
15	HQAM	1	0	22.22	22.20	22.23			23.5	2			
15	HQAM	36	36	21.27	21.27	21.32							
15	HQAM	36	36	21.27	21.27	21.32			22.5	3			
15	HQAM	75	0	21.20	21.18	21.04							
15	SSBQAM	1	37	19.27	19.02	19.24			20.5	5			
15	SSBQAM	1	74	19.04	19.11	19.13							
15	SSBQAM	36	20	19.24	19.26	19.24			20.5	5			
15	SSBQAM	36	36	19.19	19.21	19.12							
15	SSBQAM	75	0	19.12	19.08	19.28							
15	SSBQAM	75	0	19.19	19.27	19.33							
Channel													
Frequency (MHz)													
10	QPSK	1	0	24.14	24.23	24.17			25.5	0			
10	QPSK	1	25	24.26	23.98	24.21							
10	QPSK	1	49	23.92	23.84	23.97			24.5	1			
10	QPSK	25	12	23.19	23.16	23.18							
10	QPSK	25	12	23.19	23.16	23.18			24.5	1			
10	QPSK	25	25	23.25	23.15	23.18							
10	HQAM	1	0	23.33	23.31	23.27			24.5	1			
10	HQAM	1	25	23.54	23.42	23.30							
10	HQAM	25	0	22.17	22.26	22.19			23.5	2			
10	HQAM	25	12	22.25	22.00	22.18							
10	HQAM	50	0	22.07	22.14	22.07			23.5	2			
10	HQAM	1	0	22.22	22.41	22.34							
10	HQAM	1	25	22.35	22.27	22.35			22.5	3			
10	HQAM	1	49	22.19	22.18	22.28							
10	HQAM	25	0	21.34	21.19	21.15			20.5	5			
10	HQAM	25	12	21.24	21.13	21.13							
10	HQAM	50	0	21.08	21.14	21.24			20.5	5			
10	HQAM	50	0	21.33	20.99	21.22							
10	SSBQAM	1	25	19.05	19.05	19.05			20.5	5			
10	SSBQAM	1	25	19.17	19.38	19.22							
10	SSBQAM	1	49	19.00	18.89	19.06							
10	SSBQAM	1	49	19.08	19.15	19.25							
10	SSBQAM	25	12	19.15	19.26	19.19							
10	SSBQAM	25	25	19.35	19.23	19.08							
Channel													
Frequency (MHz)													
5	QPSK	1	0	24.14	24.23	24.17			25.5	0			
5	QPSK	1	12	24.11	24.08	24.28							
5	QPSK	1	24	24.04	24.05	24.06			24.5	1			
5	QPSK	12	0	23.28	23.28	23.30							
5	QPSK	12	7	23.23	23.19	23.30			24.5	1			
5	QPSK	12	13	23.15	23.18	23.08							
5	QPSK	25	0	23.14	23.06	23.15			24.5	1			
5	HQAM	1	0	23.37	23.31	23.08							
5	HQAM	1	12	23.52	23.39	23.39			24.5	1			
5	HQAM	1	24	23.02	23.18	23.05							
5	HQAM	12	0	22.15	22.07	22.18			23.5	2			
5	HQAM	12	7	22.28	22.09	22.20							
5	HQAM	12	14	22.07	22.28	22.07			23.5	2			
5	HQAM	25	0	22.18	22.16	22.23							
5	HQAM	1	0	22.44	22.44	22.15			22.5	3			
5	HQAM	1	12	22.48	22.52	22.39							
5	HQAM	1	24	22.08	22.18	22.32			22.5	3			
5	HQAM	12	0	21.26	21.15	21.29							
5	HQAM	12	7	21.15	20.97	21.15			22.5	3			
5	HQAM	12	13	21.01	21.22	21.11							
5	HQAM	25	0	21.18	21.12	21.10			20.5	5			
5	SSBQAM	1	0	19.22	19.23	19.09							
5	SSBQAM	1	12	19.99	19.16	19.25			20.5	5			
5	SSBQAM	1	24	19.12	19.03	19.03							
5	SSBQAM	12	0	19.18	19.26	19.27			20.5	5			
5	SSBQAM	12	7	19.19	19.28	19.19							
5	SSBQAM	12	13	19.21	19.24	19.14							
5	SSBQAM	25	0	19.23	19.03	19.01							
Channel													
Frequency (MHz)													
3	QPSK	1	0	24.08	24.12	24.03			25.5	0			
3	QPSK	1	8	24.22	24.07	24.11							
3	QPSK	1	14	24.12	24.00	23.90			24.5	1			
3	QPSK	8	0	23.25	23.20	23.15							
3	QPSK	8	4	23.25	22.99	23.08			24.5	1			
3	QPSK	8	7	23.03	23.21	23.15							
3	HQAM	1	0	23.34	23.23	23.10			24.5	1			
3	HQAM	1	0	23.24	23.32	23.29							
3	HQAM	1	8	23.32	23.27	23.21			23.5	2			
3	HQAM	1	14	23.25	23.04	23.06							
3	HQAM	8	0	22.22	22.26	22.06			23.5	2			
3	HQAM	8	4	22.20	22.19	22.06							
3	HQAM	15	0	22.29	22.21	22.17			22.5	3			
3	HQAM	1	0	22.12	22.12	22.12							
3	HQAM	1	0	22.26	22.42	22.14			22.5	3			
3	HQAM	8	0	22.26	22.33	22.12							
3	HQAM	1	0	22.17	21.17	21.32			20.5	5			
3	HQAM	8	4	21.08	21.21	21.21							
3	HQAM	15	0	21.17	21.02	21.18			20.5	5			
3	HQAM	1	0	21.27	21.00	21.15							
3	HQAM	1	0	19.20	19.20	18.99			20.5	5			
3	HQAM	1	0	19.23	19.19	19.05							
3	SSBQAM	1	14	19.01	19.01	19.06			20.5	5			
3	SSBQAM	1	14	19.05	19.25	19.23							
3	SSBQAM	8	4	19.25	19.05	19.05			20.5	5			
3	SSBQAM	8	7	19.09	19.30	19.11							
3	SSBQAM	15	0	19.12	19.27	19.08							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	24.08	24.12	24.03			25.5	0			
1.4	QPSK	1	3	24.08	23.96	24.09							
1.4	QPSK	1	5	23.91	23.71	23.78			24.5	1			
1.4	QPSK	1	9	23.86	23.66	23.76							
1.4	QPSK	3	1	23.89	23.84	23.62			24.5	1			
1.4	QPSK	3	3	23.94	24.00	23.87							
1.4	HQAM	1	0	23.12	23.05	23.17			24.5	1			
1.4	HQAM	1	3	23.86	23.81	23.85							
1.4	HQAM	3	0	23.86	23.86	23.83			24.5	1			
1.4	HQAM	3	1	23.12	23.04	23.24							
1.4	HQAM	3	1	23.12	23.04	23.24			23.5	2			
1.4	HQAM	6	0	22.01	22.06	22.06							
1.4	HQAM	1	0	22.13	21.99	22.11			23.5	2			
1.4	HQAM	1	3	22.12	21.92	22.11							
1.4	HQAM	3	0	22.25	22.19	22.17			23.5	2			
1.4	HQAM	3	0	22.35	22.22	22.29							
1.4	HQAM	3	3	22.12	21.97	22.12			22.5	3			
1.4	HQAM	3	3	21.88	22.05	22.28							
1.4	HQAM	6	0	21.16	21.20	21.11			22.5	3			
1.4	HQAM	6	0	21.18	21.11	21.08							
1.4	SSBQAM	1	3	19.16	19.09	19.05			20.5	5			
1.4	SSBQAM	1	3	19.88	19.81	19.76							
1.4	SSBQAM	3	0	19.11	19.08	19.12			20.5	5			
1.4	SSBQAM	3	1</										

Band 25 Ant3 DSB1																	
BN [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up level (dB)	MPE (dB)									
Channel																	
Frequency (MHz)																	
20	QPSK	1	0	24.27	24.30	24.24	25.5	0									
20	QPSK	1	49	24.23	24.22	24.13											
20	QPSK	1	99	24.15	24.08	24.13											
20	QPSK	50	0	23.26	23.31	23.17	24.5	1									
20	QPSK	50	24	23.26	23.20	23.18											
20	QPSK	50	50	23.25	23.23	23.19											
20	QPSK	100	0	23.27	23.29	23.14	24.5	1									
20	16QAM	1	0	23.43	23.34	23.29											
20	16QAM	1	49	23.54	23.32	23.32											
20	16QAM	1	99	23.19	23.20	23.27	23.5	2									
20	16QAM	50	0	22.25	22.24	22.18											
20	16QAM	50	24	22.33	22.31	22.17											
20	16QAM	50	50	22.26	22.22	22.23	22.5	3									
20	16QAM	100	0	22.29	22.28	22.15											
20	16QAM	1	0	22.45	22.40	22.24											
20	8QAM	1	49	22.57	22.44	22.34	22.5	2									
20	8QAM	1	99	22.27	22.30	22.23											
20	8QAM	50	0	21.24	21.23	21.20											
20	8QAM	50	24	21.33	21.31	21.17	22.5	3									
20	8QAM	50	50	21.27	21.23	21.21											
20	8QAM	100	0	21.30	21.25	21.15											
20	8QAM	1	49	21.11	21.02	21.05	20.5	5									
20	8QAM	1	99	18.55	18.34	18.14											
20	256QAM	1	99	19.25	19.08	18.08											
20	256QAM	50	24	19.16	19.25	19.25	20.5	5									
20	256QAM	50	24	19.35	19.25	19.31											
20	256QAM	50	50	19.29	19.38	19.08											
20	256QAM	100	0	19.27	19.35	19.17											
Channel																	
Frequency (MHz)																	
15	QPSK	1	0	1827.5	1880	1907.5	25.5	0									
15	QPSK	1	37	24.10	24.19	24.07											
15	QPSK	1	74	24.13	24.06	24.03											
15	QPSK	36	0	23.12	23.07	22.86	24.5	1									
15	QPSK	36	20	23.22	23.11	23.09											
15	QPSK	36	36	23.04	23.18	23.00											
15	QPSK	75	0	23.04	23.23	22.92	24.5	1									
15	QPSK	75	0	23.19	23.32	23.05											
15	16QAM	1	37	23.30	23.18	23.18											
15	16QAM	1	74	23.11	23.21	23.05	23.5	2									
15	16QAM	36	0	22.08	22.20	22.09											
15	16QAM	36	20	22.24	22.26	21.93											
15	16QAM	36	36	22.07	22.08	22.05	22.5	2									
15	16QAM	75	0	22.28	22.20	22.03											
15	8QAM	1	0	22.28	22.20	22.15											
15	8QAM	1	37	22.36	22.19	22.15	22.5	2									
15	8QAM	1	74	22.04	22.05	22.05											
15	8QAM	36	0	21.13	21.13	21.10											
15	8QAM	36	20	21.11	21.16	21.02	22.5	3									
15	8QAM	36	36	21.10	21.12	21.07											
15	8QAM	75	0	21.11	21.00	21.16											
15	8QAM	75	0	19.06	18.34	18.25	20.5	5									
15	8QAM	75	24	19.04	19.27	19.23											
15	256QAM	1	74	19.30	19.07	19.09											
15	256QAM	36	0	19.26	19.28	19.12	20.5	5									
15	256QAM	36	20	19.31	19.34	19.25											
15	256QAM	36	39	19.39	19.32	19.04											
15	256QAM	75	0	19.34	19.15	19.13	20.5	5									
15	256QAM	75	24	19.37	19.32	19.11											
Channel																	
Frequency (MHz)																	
10	QPSK	1	0	24.20	24.16	24.18	25.5	0									
10	QPSK	1	25	24.04	24.05	24.15											
10	QPSK	1	49	24.18	24.10	23.93											
10	QPSK	25	0	23.16	23.18	23.16	24.5	1									
10	QPSK	25	12	23.26	23.10	23.17											
10	QPSK	25	25	23.12	23.21	23.06											
10	16QAM	1	0	23.26	23.25	23.18	24.5	1									
10	16QAM	1	25	23.31	23.17	23.15											
10	16QAM	1	49	23.10	23.23	23.15											
10	16QAM	25	0	22.12	22.18	22.05	23.5	2									
10	16QAM	25	12	22.32	22.17	22.13											
10	16QAM	25	24	22.03	22.28	22.13											
10	16QAM	50	0	22.13	22.21	21.99	23.5	2									
10	8QAM	1	0	22.28	22.34	22.03											
10	8QAM	1	24	22.36	22.20	22.17											
10	8QAM	1	49	22.09	22.28	22.07	22.5	3									
10	8QAM	25	0	21.28	21.13	21.03											
10	8QAM	25	12	21.15	21.13	21.05											
10	8QAM	25	25	21.23	21.00	21.25	20.5	5									
10	8QAM	50	0	21.16	21.02	21.11											
10	8QAM	50	0	19.15	19.36	19.07											
10	256QAM	1	25	19.07	19.32	19.19	20.5	5									
10	256QAM	1	49	19.29	19.08	19.13											
10	256QAM	25	0	19.16	19.21	19.07											
10	256QAM	25	12	19.27	19.33	19.36	20.5	5									
10	256QAM	25	25	19.37	19.32	19.11											
10	256QAM	50	0	19.26	19.15	19.07											
Channel																	
Frequency (MHz)																	
5	QPSK	1	0	24.20	24.16	24.18	25.5	0									
5	QPSK	1	12	24.10	24.08	24.11											
5	QPSK	1	24	24.10	24.10	23.98											
5	QPSK	12	0	23.10	23.08	23.08	24.5	1									
5	QPSK	12	7	23.14	23.10	23.14											
5	QPSK	12	13	23.29	23.11	23.14											
5	QPSK	25	0	23.08	23.23	23.01	24.5	1									
5	16QAM	1	0	23.33	23.24	23.20											
5	16QAM	1	12	23.32	23.18	23.30											
5	16QAM	1	24	22.30	23.00	23.13	23.5	2									
5	16QAM	12	0	22.01	22.14	21.93											
5	16QAM	12	7	22.12	22.12	22.01											
5	16QAM	12	13	22.18	22.07	22.21	23.5	2									
5	16QAM	25	0	22.32	22.26	21.97											
5	8QAM	1	0	22.40	22.30	22.13											
5	8QAM	1	12	22.35	22.30	22.02	22.5	2									
5	8QAM	1	24	22.15	22.24	22.05											
5	8QAM	12	0	21.26	21.09	20.97											
5	8QAM	12	7	21.11	21.32	21.22	20.5	3									
5	8QAM	12	13	21.03	21.10	20.97											
5	8QAM	25	0	21.26	21.19	21.12											
5	256QAM	1	0	19.15	19.31	18.88	20.5	5									
5	256QAM	1	12	19.07	19.32	19.19											
5	256QAM	1	24	19.20	19.05	19.05											
5	256QAM	12	0	19.22	19.25	19.11	20.5	5									
5	256QAM	12	7	19.36	19.38	19.29											
5	256QAM	12	13	19.36	19.36	19.11											
5	256QAM	25	0	19.35	19.16	19.10	20.5	5									
5	256QAM	25	12	19.45	19.40	19.19											
5	256QAM	25	25	19.45	19.40	19.19											
Channel																	
Frequency (MHz)																	
3	QPSK	1	0	24.00	24.08	24.20	25.5	0									
3	QPSK	1	14	24.11	24.05	24.10											
3	QPSK	1	14	24.11	23.95	24.00											
3	QPSK	8	0	23.20	23.25	23.07	24.5	1									
3	QPSK	8	8	23.16	23.16	23.07											
3	QPSK	8	8	23.29	23.03	23.14											
3	QPSK	16	0	23.24	23.19	23.19	24.5	1									
3	QPSK	16	8	23.28	23.03	23.08											
3	QPSK	16	8	22.98	23.14	23.21											
3	16QAM	1	14	23.24	23.20	23.05	23.5	2									
3	16QAM	1	14	23.22	23.22	23.03											
3	16QAM	8	4	22.15	22.17	22.11											
3	16QAM	8	4	22.15	22.17	22.11	23.5	2									
3	16QAM	8	4	22.24	22.14	22.26											
3	16QAM	8	4	21.32	21.09	20.99											
3	16QAM	16	0	21.21	21.29	20.98	22.5	3									
3	16QAM	16	0	21.21	21.29	20.98											
3	16QAM	16	0	19.08	19.27	19.03											
3	256QAM	1	14	19.20	19.36	19.21	20.5	5									
3	256QAM	1	14	19.20	19.01	19.09											
3	256QAM	1	14	19.20	19.20	19.08											
3	256QAM	8	4	19.28	19.35	19.22	20.5	5									
3	256QAM	8	4	19.28	19.35	19.22											
3	256QAM	8	4	19.30	19.31	19.08											
Channel																	
Frequency (MHz)																	
1.4	QPSK	1	0	24.00	24.05	24.08	25.5	0									
1.4	QPSK	1	8	24.05	23.88	24.00											
1.4	QPSK	1	8	23.94	24.10	23.75											
1.4	QPSK	3	0	23.40	23.50	23.49	24.5	1									
1.4	QPSK	3	8	23.41	23.58	23.49											
1.4	QPSK	3	8	23.36	23.65	23.39											
1.4	QPSK	3	8	23.37	23.62	23.39	24.5	1									
1.4	16QAM	1	0	22.98	23.05	23.01											
1.4	16QAM	1	3	23.17	23.03	23.21											
1.4	16QAM	3	1	22.87	23.13	22.60	24.5	1									
1.4	16QAM	3	1	22.87	23.17	22.60											
1.4	16QAM	3	1	22.87	23.17	22.60											
1.4	16QAM	6	0	22.08	22.08	22.05	23.5	2									
1.4	16QAM	6	0	22.02	22.17	21.87											
1.4	16QAM	6	0	21.86	22.13	21.83											
1.4	16QAM	3	1	22.21	22.12	22.08	23.5	2									
1.4	16QAM	3	1	22.12	21.91	22.02											
1.4	16QAM	3	1	21.87	21.89	22.03											
1.4	8QAM	3	0	21.67	22.02	21.13	22.5	3									
1.4	8QAM	3	0	21.65	22.01												

Band 38 Ant3 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.03	24.32	24.13	25.5	0	
20	QPSK	1	49	24.24	24.21	24.03			
20	QPSK	1	99	24.12	24.11	24.05			
20	QPSK	50	0	23.14	23.24	23.10	24.5	1	
20	QPSK	50	24	23.19	23.12	23.09			
20	QPSK	50	50	23.00	23.20	23.14			
20	QPSK	100	0	23.17	23.18	23.06	24.5	1	
20	16QAM	1	0	23.10	23.20	23.16			
20	16QAM	1	49	23.31	23.36	23.01			
20	16QAM	1	99	23.16	23.19	23.07	23.5	2	
20	16QAM	50	0	22.01	22.09	22.04			
20	16QAM	50	24	22.18	22.17	22.15			
20	16QAM	50	50	22.26	22.25	21.96	23.5	2	
20	16QAM	100	0	22.18	22.10	22.07			
20	64QAM	1	0	22.04	22.16	22.35			
20	64QAM	1	49	22.21	22.33	22.12	22.5	3	
20	64QAM	1	99	22.20	22.16	22.06			
20	64QAM	50	0	21.02	21.05	21.22			
20	64QAM	50	24	21.33	21.17	21.16	20.5	5	
20	64QAM	50	50	21.17	21.20	21.07			
20	64QAM	100	0	21.17	21.21	21.07			
20	256QAM	1	0	19.08	19.31	19.01	20.5	5	
20	256QAM	1	49	19.21	19.16	19.08			
20	256QAM	1	99	19.18	19.07	19.12			
20	256QAM	50	0	19.21	19.15	19.06	20.5	5	
20	256QAM	50	24	19.22	19.09	19.10			
20	256QAM	50	50	18.92	19.17	19.21			
20	256QAM	100	0	19.12	19.20	18.97			
Channel				37875	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.90	23.87	23.99	25.5	0	
15	QPSK	1	37	24.19	24.15	23.87			
15	QPSK	1	74	24.16	23.99	23.92			
15	QPSK	36	0	22.99	22.97	23.04	24.5	1	
15	QPSK	36	20	23.05	22.96	22.95			
15	QPSK	36	39	23.09	23.12	23.00			
15	QPSK	75	0	23.15	23.02	22.97	24.5	1	
15	16QAM	1	0	22.96	23.14	23.10			
15	16QAM	1	37	23.22	23.22	22.85			
15	16QAM	1	74	23.05	23.14	22.92	23.5	2	
15	16QAM	36	0	21.85	22.00	21.89			
15	16QAM	36	20	22.04	22.08	22.08			
15	16QAM	36	39	22.20	22.16	21.82	23.5	2	
15	16QAM	75	0	22.06	21.99	21.94			
15	64QAM	1	0	21.94	22.10	22.26			
15	64QAM	1	37	22.07	22.28	22.07	22.5	3	
15	64QAM	1	74	22.04	22.08	21.98			
15	64QAM	36	0	20.88	20.93	21.16			
15	64QAM	36	20	21.23	21.09	21.00	20.5	5	
15	64QAM	36	39	21.08	21.08	21.01			
15	64QAM	75	0	21.11	21.14	20.93			
15	256QAM	1	0	18.95	18.98	18.87	20.5	5	
15	256QAM	1	37	19.13	19.14	18.84			
15	256QAM	1	74	19.12	18.90	18.82			
15	256QAM	36	0	18.91	18.91	19.05	20.5	5	
15	256QAM	36	20	19.00	19.07	18.90			
15	256QAM	36	39	19.01	19.02	18.94			
15	256QAM	75	0	19.11	18.98	18.91			
Channel				37800	38000	38200			
Frequency (MHz)				2375	2395	2415			
10	QPSK	1	0	23.99	24.00	24.01	25.5	0	
10	QPSK	1	25	24.17	24.15	23.94			
10	QPSK	1	49	24.28	24.05	23.97			
10	QPSK	25	0	23.04	22.92	22.97	24.5	1	
10	QPSK	25	12	23.14	22.96	23.03			
10	QPSK	25	25	23.20	23.04	23.08			
10	QPSK	50	0	23.13	23.04	22.98	24.5	1	
10	16QAM	1	0	22.99	23.08	23.01			
10	16QAM	1	25	23.24	23.26	22.95			
10	16QAM	1	49	23.08	23.14	23.03	23.5	2	
10	16QAM	25	0	21.92	21.95	21.88			
10	16QAM	25	12	22.04	22.09	22.07			
10	16QAM	25	25	22.14	22.19	21.82	23.5	2	
10	16QAM	50	0	22.06	21.98	21.91			
10	64QAM	1	0	21.93	22.08	22.23			
10	64QAM	1	25	22.08	22.19	22.05	22.5	3	
10	64QAM	1	49	22.15	22.01	21.99			
10	64QAM	25	0	20.89	20.94	21.08			
10	64QAM	25	12	21.19	21.08	21.11	20.5	5	
10	64QAM	25	25	21.12	21.16	20.97			
10	64QAM	50	0	21.05	21.07	20.98			
10	256QAM	1	0	19.00	19.02	18.96	20.5	5	
10	256QAM	1	25	19.18	19.20	18.94			
10	256QAM	1	49	19.32	18.96	19.00			
10	256QAM	25	0	19.09	18.98	18.93	20.5	5	
10	256QAM	25	12	19.11	19.06	19.02			
10	256QAM	25	25	19.09	18.94	19.17			
10	256QAM	50	0	19.25	18.93	18.89			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.95	23.88	23.98	25.5	0	
5	QPSK	1	12	24.09	24.14	23.96			
5	QPSK	1	24	24.22	23.95	23.97			
5	QPSK	12	0	23.08	22.99	22.99	24.5	1	
5	QPSK	12	7	23.05	23.05	23.02			
5	QPSK	12	13	23.17	23.07	23.03			
5	QPSK	25	0	23.11	23.13	22.93	24.5	1	
5	16QAM	1	0	23.00	23.15	23.03			
5	16QAM	1	12	23.19	23.27	22.97			
5	16QAM	1	24	23.03	23.07	23.01	23.5	2	
5	16QAM	12	0	21.97	22.01	21.96			
5	16QAM	12	7	22.03	22.03	22.02			
5	16QAM	12	13	22.15	22.11	21.86	23.5	2	
5	16QAM	25	0	22.08	21.98	22.02			
5	64QAM	1	0	21.92	22.10	22.22			
5	64QAM	1	12	22.06	22.24	22.03	22.5	3	
5	64QAM	1	24	22.11	22.01	21.98			
5	64QAM	12	0	20.96	20.98	21.18			
5	64QAM	12	7	21.27	21.07	21.01	20.5	5	
5	64QAM	12	13	21.04	21.08	20.92			
5	64QAM	25	0	21.12	21.13	20.95			
5	256QAM	1	0	18.96	18.82	18.90	20.5	5	
5	256QAM	1	12	19.18	19.05	18.85			
5	256QAM	1	24	19.21	19.04	18.96			
5	256QAM	12	0	18.98	18.96	19.00	20.5	5	
5	256QAM	12	7	19.01	19.06	19.11			
5	256QAM	12	13	19.10	19.03	19.15			
5	256QAM	25	0	19.07	19.05	19.03			

Band 41 Ant3 DS11										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.35	24.17	24.37	24.16	24.15	25.5	0
20	QPSK	1	49	24.29	24.11	24.18	24.05	24.05		
20	QPSK	1	99	24.21	24.23	24.19	24.18	24.05		
20	QPSK	50	0	23.27	23.14	23.39	23.09	23.21		
20	QPSK	50	24	23.32	23.21	23.29	23.08	23.34	24.5	1
20	QPSK	50	50	23.32	23.19	23.31	23.08	23.09		
20	QPSK	100	0	23.30	23.21	23.32	23.02	23.12		
20	16QAM	1	0	23.09	23.17	23.08	23.24	23.26		
20	16QAM	1	49	23.28	23.01	23.04	23.16	23.14	24.5	1
20	16QAM	1	99	23.33	23.19	23.24	23.09	23.08		
20	16QAM	50	0	22.18	22.09	22.33	22.14	22.34		
20	16QAM	50	24	22.33	22.24	22.39	22.15	22.17		
20	16QAM	50	50	22.28	22.22	22.26	22.04	22.13	23.5	2
20	16QAM	100	0	22.26	22.30	22.38	22.07	22.00		
20	64QAM	1	0	22.37	22.10	22.17	22.11	22.21		
20	64QAM	1	49	22.30	22.24	22.37	22.29	22.34		
20	64QAM	1	99	22.07	22.01	22.29	22.01	22.06	23.5	2
20	64QAM	50	0	21.32	21.15	21.29	21.19	21.06		
20	64QAM	50	24	21.25	21.24	21.34	21.06	21.01		
20	64QAM	50	50	21.23	21.24	21.32	21.05	21.13		
20	64QAM	100	0	21.24	21.16	21.32	21.15	21.10	22.5	3
20	256QAM	1	0	19.26	19.10	19.29	19.14	19.25		
20	256QAM	1	49	19.31	19.23	19.18	18.99	18.94		
20	256QAM	1	99	19.29	19.33	19.15	19.13	19.14		
20	256QAM	50	0	19.36	19.04	19.31	19.03	19.32	20.5	5
20	256QAM	50	24	19.30	19.10	19.23	19.04	19.31		
20	256QAM	50	50	19.36	19.11	19.38	19.09	19.13		
20	256QAM	100	0	19.20	19.24	19.25	19.03	19.23		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.30	24.12	24.23	24.04	24.03	25.50	0
15	QPSK	1	37	24.15	24.06	24.13	24.16	24.00		
15	QPSK	1	74	24.07	24.14	24.07	24.09	24.09		
15	QPSK	36	0	23.11	23.00	23.23	23.04	23.11		
15	QPSK	36	20	23.28	23.16	23.21	22.97	23.24	24.5	1
15	QPSK	36	39	23.24	23.10	23.20	22.99	22.96		
15	QPSK	75	0	23.23	23.10	23.14	22.91	23.04		
15	16QAM	1	0	23.03	23.07	22.92	23.17	23.13		
15	16QAM	1	37	23.15	22.95	22.97	23.01	23.07	24.5	1
15	16QAM	1	74	23.21	23.03	23.15	23.02	22.98		
15	16QAM	36	0	22.06	22.05	22.24	21.99	22.28		
15	16QAM	36	20	22.19	22.19	22.26	22.02	22.07		
15	16QAM	36	39	22.22	22.09	22.19	21.90	22.07	23.5	2
15	16QAM	75	0	22.12	22.16	22.30	22.28	22.21		
15	64QAM	1	0	22.23	22.05	22.02	21.99	22.06		
15	64QAM	1	37	22.17	22.14	22.21	22.13	21.95		
15	64QAM	1	74	21.92	21.94	22.15	21.92	21.93	23.5	2
15	64QAM	36	0	21.21	21.05	21.24	21.08	20.97		
15	64QAM	36	20	21.12	21.11	21.26	20.95	20.93		
15	64QAM	36	39	21.08	21.16	21.24	20.97	20.98		
15	64QAM	75	0	21.10	21.08	21.24	21.09	21.00	22.5	3
15	256QAM	1	0	19.22	19.09	19.19	19.01	19.06		
15	256QAM	1	37	19.24	19.03	19.21	19.03	18.96		
15	256QAM	1	74	19.05	19.02	19.01	18.98	19.00		
15	256QAM	36	0	19.11	19.01	19.17	19.00	19.04	20.5	5
15	256QAM	36	20	19.28	19.12	19.32	19.08	19.28		
15	256QAM	36	39	19.24	19.16	19.26	19.07	19.02		
15	256QAM	75	0	19.12	19.18	19.14	18.89	18.93		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.23	24.12	24.32	24.12	24.07	25.50	0
10	QPSK	1	25	24.17	24.00	24.12	23.95	23.99		
10	QPSK	1	49	24.13	24.13	24.11	24.07	23.99		
10	QPSK	25	0	23.17	23.06	23.27	22.99	23.09		
10	QPSK	25	12	23.24	23.06	23.14	22.97	23.34	24.5	1
10	QPSK	25	25	23.16	23.14	23.25	22.99	23.04		
10	QPSK	50	0	23.21	23.14	23.20	22.96	23.03		
10	16QAM	1	0	22.95	23.06	22.96	23.11	23.19		
10	16QAM	1	25	23.20	22.88	22.89	23.05	23.08	24.5	1
10	16QAM	1	49	23.26	23.13	23.13	23.04	23.00		
10	16QAM	25	0	22.14	21.95	22.19	22.01	22.25		
10	16QAM	25	12	22.18	22.17	22.24	22.09	22.33		
10	16QAM	25	25	22.24	22.12	22.17	21.90	22.02	23.5	2
10	16QAM	50	0	22.15	22.17	22.34	22.01	22.17		
10	64QAM	1	0	22.21	21.95	22.07	21.97	22.08		
10	64QAM	1	25	22.19	22.16	22.29	22.22	21.92		
10	64QAM	1	49	22.02	21.95	22.24	21.92	21.99	23.5	2
10	64QAM	25	0	21.17	21.00	21.13	21.10	20.93		
10	64QAM	25	12	21.21	21.18	21.19	20.95	20.89		
10	64QAM	25	25	21.26	21.19	21.26	20.97	20.98		
10	64QAM	50	0	21.19	21.05	21.21	21.02	20.98	22.5	3
10	256QAM	1	0	19.16	19.05	19.24	19.22	19.01		
10	256QAM	1	25	19.14	18.98	19.14	18.96	19.08		
10	256QAM	1	49	19.10	19.11	19.20	19.03	18.90		
10	256QAM	25	0	19.23	19.01	19.18	19.05	19.04	20.5	5
10	256QAM	25	12	19.26	19.15	19.05	19.07	19.22		
10	256QAM	25	25	19.14	19.12	19.26	18.99	19.11		
10	256QAM	50	0	19.10	19.12	19.19	18.94	19.07		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.22	24.08	24.33	24.02	24.04	25.50	0
5	QPSK	1	12	24.15	24.05	24.11	24.31	24.28		
5	QPSK	1	24	24.07	24.15	24.10	24.13	24.14		
5	QPSK	12	0	23.13	23.00	23.22	23.01	23.06		
5	QPSK	12	7	23.28	23.07	23.24	23.25	23.23	24.5	1
5	QPSK	12	13	23.16	23.04	23.16	23.01	22.97		
5	QPSK	25	0	23.22	23.17	23.23	22.92	22.98		
5	16QAM	1	0	23.01	23.03	23.00	23.09	23.22		
5	16QAM	1	12	23.16	22.95	22.93	23.00	22.99	24.5	1
5	16QAM	1	24	23.18	23.08	23.10	22.95	22.96		
5	16QAM	12	0	22.06	21.93	22.19	22.04	22.19		
5	16QAM	12	7	22.20	22.19	22.25	22.04	22.05		
5	16QAM	12	13	22.22	22.08	22.19	21.91	22.06	23.5	2
5	16QAM	25	0	22.21	22.16	22.31	21.92	21.94		
5	64QAM	1	0	22.27	22.03	22.11	22.00	22.10		
5	64QAM	1	12	22.21	22.13	22.26	22.23	21.92		
5	64QAM	1	24	21.93	21.96	22.24	21.97	21.93	23.5	2
5	64QAM	12	0	21.23	21.09	21.19	21.14	20.96		
5	64QAM	12	7	21.10	21.18	21.18	20.98	20.96		
5	64QAM	12	13	21.09	21.12	21.19	20.91	21.01		
5	64QAM	25	0	21.12	21.08	21.18	21.00	21.01	22.5	3
5	256QAM	1	0	19.12	18.99	19.29	18.98	19.03		
5	256QAM	1	12	19.09	18.94	19.07	19.27	19.22		
5	256QAM	1	24	19.05	19.23	19.02	19.11	19.22		
5	256QAM	12	0	19.20	18.95	19.14	18.92	19.16	20.5	5
5	256QAM	12	7	19.16	19.07	19.24	19.31	19.19		
5	256QAM	12	13	19.11	19.07	19.22	19.02	18.97		
5	256QAM	25	0	19.16	19.07	19.17	18.87	19.00		

GSM1900 Ant4 DSI1								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	26.59	26.81	26.64	27.50	17.59	17.81	17.64	18.50
GPRS 1 Tx slot	26.51	26.73	26.59	27.50	17.51	17.73	17.59	18.50
GPRS 2 Tx slots	22.85	22.93	22.81	24.50	16.85	16.93	16.81	18.50
GPRS 3 Tx slots	20.54	20.56	20.53	21.50	16.28	16.30	16.27	17.24
GPRS 4 Tx slots	18.87	18.83	18.73	20.50	15.87	15.83	15.73	17.50
EDGE 1 Tx slot	25.18	25.59	25.25	26.50	16.18	16.59	16.25	17.50
EDGE 2 Tx slots	21.97	22.08	22.22	23.00	15.97	16.08	16.22	17.00
EDGE 3 Tx slots	20.22	20.64	20.39	21.50	15.96	16.38	16.13	17.24
EDGE 4 Tx slots	18.71	18.97	18.92	20.50	15.71	15.97	15.92	17.50

		WCDMA II Ant4 DSI1			WCDMA IV Ant4 DSI1				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	14.69	14.82	14.67	16.00	14.71	14.83	14.76	16.00
3GPP Rel 99	RMC 12.2Kbps	14.86	14.91	14.74	16.00	14.79	14.92	14.81	16.00
3GPP Rel 6	HSUPA Subtest-1	14.17	14.10	13.94	15.00	13.97	14.13	13.90	15.00
3GPP Rel 6	HSUPA Subtest-2	14.15	14.13	13.95	15.00	13.99	14.06	13.88	15.00
3GPP Rel 6	HSUPA Subtest-3	13.65	13.65	13.44	14.50	13.53	13.58	13.34	14.50
3GPP Rel 6	HSUPA Subtest-4	13.64	13.62	13.45	14.50	13.49	13.59	13.43	14.50
3GPP Rel 6	DC-HSDPA Subtest-1	14.19	14.17	13.88	15.00	14.03	14.11	13.92	15.00
3GPP Rel 6	DC-HSDPA Subtest-2	14.05	14.02	13.89	15.00	14.07	14.02	13.82	15.00
3GPP Rel 6	DC-HSDPA Subtest-3	13.60	13.69	13.44	14.50	13.62	13.55	13.22	14.50
3GPP Rel 6	DC-HSDPA Subtest-4	13.59	13.50	13.53	14.50	13.55	13.61	13.34	14.50
3GPP Rel 6	HSUPA Subtest-1	14.26	14.08	13.99	15.00	14.01	14.10	13.89	15.00
3GPP Rel 6	HSUPA Subtest-2	12.07	12.20	12.04	13.00	12.05	12.17	12.01	13.00
3GPP Rel 6	HSUPA Subtest-3	13.20	13.16	12.85	14.00	13.03	13.02	12.82	14.00
3GPP Rel 6	HSUPA Subtest-4	12.10	12.14	11.88	13.00	11.92	12.13	11.99	13.00
3GPP Rel 6	HSUPA Subtest-5	14.21	14.06	13.94	15.00	13.90	14.17	13.95	15.00



Band 2 Ant4 DSH										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low MHz Ch./Freq.	Power High MHz Ch./Freq.	Power High MHz Ch./Freq.	Turn-up time (dB)	MPE (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.25	16.33	16.20				
20	QPSK	1	49	16.31	16.27	16.14	17.5	0		
20	QPSK	1	99	16.13	16.20	16.14				
20	QPSK	50	0	16.23	16.31	16.27				
20	QPSK	50	24	16.24	16.20	16.28				
20	QPSK	50	50	16.13	16.23	16.21	17.5	0		
20	QPSK	100	0	16.18	16.26	16.23				
20	QPSK	100	0	16.19	16.07	16.09				
20	16QAM	1	49	16.22	16.11	16.14	17.5	0		
20	16QAM	1	99	16.16	16.12	16.22				
20	16QAM	50	0	16.27	16.32	16.27				
20	16QAM	50	24	16.21	16.28	16.28	17.5	0		
20	16QAM	50	50	16.23	16.19	16.16				
20	16QAM	100	0	16.19	16.28	16.16				
20	64QAM	1	0	16.15	16.07	16.30	17.5	0		
20	64QAM	1	49	16.16	16.04	16.16				
20	64QAM	50	99	16.20	16.28	16.24	17.5	0		
20	64QAM	50	0	16.07	16.31	16.28				
20	64QAM	100	0	16.16	16.28	16.24	17.5	0		
20	64QAM	100	25	16.06	16.21	16.20				
20	256QAM	1	49	16.28	16.20	15.99	17.5	0		
20	256QAM	1	99	16.12	16.14	16.03				
20	256QAM	50	24	16.06	16.09	16.23				
20	256QAM	50	24	16.09	16.22	16.16	17.5	0		
20	256QAM	50	50	16.10	16.20	16.17				
20	256QAM	100	0	16.23	16.30	16.27				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.07	16.00	16.03				
15	QPSK	1	49	16.20	16.17	16.20	17.5	0		
15	QPSK	1	99	16.23	16.28	16.09				
15	QPSK	1	74	15.98	16.19	16.03				
15	QPSK	36	0	16.08	16.12	16.20				
15	QPSK	36	20	16.12	16.27	16.07	17.5	0		
15	QPSK	36	36	15.94	16.04	16.10				
15	QPSK	75	0	16.16	16.09	16.06				
15	16QAM	1	49	16.19	15.96	16.03	17.5	0		
15	16QAM	1	37	16.01	16.08	15.99				
15	16QAM	1	24	16.15	16.06	16.10				
15	16QAM	36	0	16.14	16.20	16.11				
15	16QAM	36	20	16.17	16.25	16.18	17.5	0		
15	16QAM	36	36	16.08	16.19	16.03				
15	16QAM	75	0	16.10	16.10	16.06				
15	64QAM	1	0	16.14	16.02	16.11	17.5	0		
15	64QAM	1	37	16.06	16.09	16.06				
15	64QAM	1	24	16.14	16.01	16.13				
15	64QAM	1	74	16.14	16.05	16.00				
15	64QAM	36	0	16.06	16.11	16.24	17.5	0		
15	64QAM	36	20	16.17	16.25	16.18				
15	64QAM	36	36	16.04	16.15	16.00				
15	64QAM	75	0	16.10	16.10	16.06				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.17	16.09	16.10				
10	QPSK	1	25	16.12	16.27	16.16	17.5	0		
10	QPSK	1	49	16.11	16.01	16.14				
10	QPSK	1	25	16.17	16.30	16.10				
10	QPSK	25	12	16.10	16.21	16.19	17.5	0		
10	QPSK	25	25	16.08	16.22	16.23				
10	QPSK	25	37	16.09	16.16	16.10				
10	16QAM	1	0	16.08	16.08	16.06				
10	16QAM	1	25	16.02	15.93	15.94	17.5	0		
10	16QAM	1	49	16.13	16.11	16.13				
10	16QAM	25	0	16.13	16.31	16.16				
10	16QAM	25	12	16.06	16.15	16.20	17.5	0		
10	16QAM	25	12	16.03	16.20	16.23				
10	16QAM	50	0	16.04	16.14	16.18				
10	64QAM	1	0	16.00	16.00	16.25	17.5	0		
10	64QAM	1	25	16.12	16.04	16.13				
10	64QAM	1	49	16.01	16.28	15.97				
10	64QAM	25	0	15.91	16.09	16.09				
10	64QAM	25	12	16.14	16.27	16.10	17.5	0		
10	64QAM	25	25	16.05	16.06	16.01				
10	64QAM	50	0	16.16	16.15	16.06				
10	256QAM	1	0	16.08	16.10	16.21	17.5	0		
10	256QAM	1	25	16.28	16.13	15.99				
10	256QAM	1	49	15.93	16.12	16.09				
10	256QAM	25	0	15.93	16.09	16.21				
10	256QAM	25	12	16.05	16.21	16.06	17.5	0		
10	256QAM	25	25	15.95	16.15	16.06				
10	256QAM	50	0	15.97	16.08	16.10				
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.17	16.09	16.10				
5	QPSK	1	12	16.21	16.18	16.05	17.5	0		
5	QPSK	1	24	15.90	16.08	15.93				
5	QPSK	12	7	16.00	16.12	16.23	17.5	0		
5	QPSK	12	13	15.99	16.04	15.95				
5	QPSK	25	0	16.03	16.07	16.08				
5	16QAM	1	0	16.06	16.02	15.97	17.5	0		
5	16QAM	1	12	16.04	16.05	16.03				
5	16QAM	1	24	15.93	16.06	16.15				
5	16QAM	12	0	16.07	16.07	16.14				
5	16QAM	12	7	16.00	16.23	16.25	17.5	0		
5	16QAM	12	13	15.97	16.01	16.12				
5	16QAM	25	0	15.94	16.11	16.19				
5	64QAM	1	0	16.01	15.87	16.15	17.5	0		
5	64QAM	1	12	15.95	16.01	15.99				
5	64QAM	1	24	16.13	16.17	16.09				
5	64QAM	12	0	16.04	16.25	16.19				
5	64QAM	12	7	15.93	16.20	16.04	17.5	0		
5	64QAM	12	13	15.93	15.97	16.18				
5	64QAM	25	0	16.04	16.16	16.13				
5	256QAM	1	0	16.05	16.03	15.98	17.5	0		
5	256QAM	1	12	16.16	15.96	15.82				
5	256QAM	1	24	15.99	15.96	15.97				
5	256QAM	12	0	15.91	15.92	16.03				
5	256QAM	12	7	15.96	16.07	15.99	17.5	0		
5	256QAM	12	13	16.04	15.99	16.06				
5	256QAM	25	0	15.79	15.88	15.89				
Channel										
Frequency (MHz)										
3	QPSK	1	0	16.12	16.14	16.13				
3	QPSK	1	8	16.16	16.12	16.11	17.5	0		
3	QPSK	1	14	15.89	16.08	15.94				
3	QPSK	8	0	16.17	16.08	16.07				
3	QPSK	8	4	16.16	16.06	16.18	17.5	0		
3	QPSK	8	7	15.89	16.16	16.09				
3	16QAM	1	0	15.95	16.23	16.07				
3	16QAM	1	8	16.01	15.97	15.97	17.5	0		
3	16QAM	1	14	16.08	16.00	16.12				
3	16QAM	8	0	16.04	16.07	16.02	17.5	0		
3	16QAM	8	4	16.12	16.14	16.18				
3	16QAM	8	7	16.10	16.07	15.92				
3	16QAM	16	0	16.03	16.02	16.21				
3	64QAM	1	0	16.07	16.01	16.23	17.5	0		
3	64QAM	1	14	16.04	16.23	16.10				
3	64QAM	8	0	16.08	16.21	16.03				
3	64QAM	8	7	16.02	16.12	16.20	17.5	0		
3	64QAM	8	7	15.93	16.01	16.12				
3	256QAM	1	0	15.90	16.07	16.01				
3	256QAM	1	8	16.21	15.96	15.86	17.5	0		
3	256QAM	1	14	16.00	16.07	16.09				
3	256QAM	8	0	16.03	16.07	16.07				
3	256QAM	8	4	15.88	16.16	15.94	17.5	0		
3	256QAM	8	7	15.97	16.05	16.02				
3	256QAM	16	0	15.96	16.07	16.01				
3	256QAM	16	0	15.96	15.96	16.01				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	16.12	16.14	16.13				
1.4	QPSK	1	8	16.16	16.12	16.11	17.5	0		
1.4	QPSK	1	14	15.89	16.08	15.94				
1.4	QPSK	1	8	16.17	16.08	16.06				
1.4	QPSK	3	0	16.05	16.10	16.23	17.5	0		
1.4	QPSK	3	9	16.05	16.06	16.10				
1.4	QPSK	3	9	16.05	16.06	16.10				
1.4	QPSK	3	9	16.05	16.06	16.10				
1.4	QPSK	3	9	16.05	16.06	16.10				
1.4	QPSK	3	9	16.05	16.06	16.10				
1.4	QPSK	3	9	16.05	16.06	16.10				
1.4	QPSK	3	9	16.05	16.06	16.10				
1.4	QPSK	3	9	16.05	16.06	16.10				
1.4	QPSK	3	9	16.05	16.06	16.10				
1.4	QPSK	3	9	16.05	16.06	16.10				
1.4	QPSK	3	9	16.05	16.06	16.10				
1.4	QPSK	3	9	16.05	16.06	16.10				
1.4	QPSK	3	9	16.05	16.06	16.10				
1.4	QPSK	3	9	16.05	16.06	16.10				
1.4	QPSK	3	9	16.05	16.06	16.10				
1.4	QPSK	3	9							

Band 25 Ant4 DSI1																	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 26145	Power Mid Ch / Freq. 26340	Power High Ch / Freq. 26540	Turn-up Init (dBm)	MPR (dB)									
Channel																	
20	QPSK	1	0	17.34	17.36	17.32	18.5	0									
20	QPSK	1	49	17.18	17.28	17.13											
20	QPSK	1	99	17.02	17.12	17.06											
20	QPSK	50	0	17.28	17.29	17.06											
20	QPSK	50	24	17.19	17.20	17.05	18.5	0									
20	QPSK	50	50	17.13	17.24	17.15											
20	QPSK	100	0	17.10	17.25	17.22											
20	16QAM	1	0	17.30	17.24	17.13											
20	16QAM	1	99	17.16	16.87	17.12	18.5	0									
20	16QAM	1	49	17.23	17.11	17.25											
20	16QAM	50	24	17.28	17.21	17.18											
20	16QAM	50	50	17.29	17.08	17.18											
20	16QAM	100	0	17.29	17.12	17.22	18.5	0									
20	16QAM	1	0	17.04	17.24	17.35											
20	8QAM	1	49	17.11	17.08	16.96											
20	8QAM	1	99	17.26	17.19	17.19											
20	8QAM	50	0	17.23	17.11	17.28	18.5	0									
20	8QAM	50	24	17.24	17.17	17.17											
20	8QAM	50	50	17.12	17.16	17.14											
20	8QAM	100	0	17.32	17.08	17.20											
20	256QAM	1	0	17.16	17.17	17.13	18.5	0									
20	256QAM	1	49	17.27	16.98	17.01											
20	256QAM	50	0	17.06	17.06	17.02											
20	256QAM	50	24	17.00	17.05	16.92											
20	256QAM	50	50	17.16	17.13	17.00	18.5	0									
20	256QAM	100	0	17.17	17.14	17.17											
Channel																	
1821.5 1880 1937.5																	
15	QPSK	1	0	17.28	17.34	17.33	18.5	0									
15	QPSK	1	37	17.10	17.18	17.18											
15	QPSK	1	74	17.06	17.13	17.08											
15	QPSK	36	0	17.10	17.18	17.18											
15	QPSK	36	20	17.20	17.20	17.13	18.5	0									
15	QPSK	36	36	17.24	17.19	17.14											
15	QPSK	75	0	17.15	17.14	17.17											
15	16QAM	1	0	17.13	17.22	17.17											
15	16QAM	1	37	16.89	17.34	17.31	18.5	0									
15	16QAM	1	74	17.14	16.91	17.28											
15	16QAM	36	0	17.14	17.18	17.20											
15	16QAM	36	20	17.18	17.15	17.19											
15	16QAM	36	36	17.27	17.17	17.25	18.5	0									
15	16QAM	75	0	17.21	17.20	17.34											
15	8QAM	1	0	17.08	17.25	17.17											
15	8QAM	1	37	17.16	17.21	17.22											
15	8QAM	1	74	17.25	17.25	17.25	18.5	0									
15	8QAM	36	0	17.25	17.22	17.18											
15	8QAM	36	20	17.16	17.08	17.18											
15	8QAM	36	36	17.22	17.17	17.33											
15	8QAM	75	0	17.28	17.05	17.26	18.5	0									
15	256QAM	1	0	17.27	17.06	17.17											
15	256QAM	1	37	17.16	17.13	17.08											
15	256QAM	1	74	17.08	17.15	17.04											
15	256QAM	36	0	17.16	17.14	17.25	18.5	0									
15	256QAM	36	20	17.09	17.17	16.98											
15	256QAM	36	36	17.20	16.98	17.14											
15	256QAM	75	0	17.20	17.15	16.95											
Channel																	
26565 26340 26565																	
10	QPSK	1	0	17.14	17.22	17.23	18.5	0									
10	QPSK	1	25	17.20	17.24	17.32											
10	QPSK	1	49	17.18	17.22	17.11											
10	QPSK	25	0	17.30	17.26	17.28											
10	QPSK	25	12	17.13	17.10	17.08	18.5	0									
10	QPSK	25	25	17.32	17.12	17.09											
10	QPSK	25	37	17.13	17.12	17.12											
10	16QAM	1	0	17.34	17.09	17.15											
10	16QAM	1	25	16.85	17.20	17.25	18.5	0									
10	16QAM	1	49	17.06	16.99	17.27											
10	16QAM	25	0	17.27	17.13	17.31											
10	16QAM	25	12	17.17	17.16	17.09											
10	16QAM	25	25	17.34	17.18	17.18	18.5	0									
10	16QAM	50	0	17.28	17.01	17.14											
10	8QAM	1	0	16.93	17.25	17.18											
10	8QAM	1	25	17.08	17.10	16.87	18.5	0									
10	8QAM	1	49	17.09	17.34	17.29											
10	8QAM	25	0	17.15	17.10	17.31											
10	8QAM	25	12	17.27	17.17	17.27											
10	8QAM	25	25	17.12	17.24	17.27	18.5	0									
10	8QAM	50	0	17.25	17.25	17.34											
10	256QAM	1	0	17.14	17.15	17.17											
10	256QAM	1	25	17.32	17.14	17.05											
10	256QAM	1	49	17.16	17.20	17.13	18.5	0									
10	256QAM	25	0	17.10	17.20	17.12											
10	256QAM	25	12	17.07	17.05	16.94											
10	256QAM	25	25	17.22	17.08	17.17											
10	256QAM	50	0	17.09	17.17	16.95											
Channel																	
26565 26340 26565																	
5	QPSK	1	0	17.32	17.20	17.25	18.5	0									
5	QPSK	1	12	17.23	17.18	17.33											
5	QPSK	1	24	17.05	17.28	17.09											
5	QPSK	12	0	17.10	17.28	17.26											
5	QPSK	12	7	17.18	17.09	17.22	18.5	0									
5	QPSK	12	13	17.10	17.18	17.21											
5	QPSK	25	0	17.25	17.34	17.17											
5	16QAM	1	0	17.32	17.12	17.07											
5	16QAM	1	12	16.85	17.29	17.23	18.5	0									
5	16QAM	1	24	17.18	17.08	17.24											
5	16QAM	12	0	17.28	17.11	17.13											
5	16QAM	12	7	17.27	17.07	17.21											
5	16QAM	12	13	17.32	17.16	17.22	18.5	0									
5	16QAM	25	0	17.21	17.08	17.22											
5	8QAM	1	0	16.99	17.19	17.28											
5	8QAM	1	12	17.12	17.24	16.97											
5	8QAM	1	24	17.22	17.26	17.17	18.5	0									
5	8QAM	12	0	17.28	17.24	17.23											
5	8QAM	12	7	17.16	17.15	17.20											
5	8QAM	12	13	17.16	17.19	17.36											
5	256QAM	1	0	17.30	17.07	17.34	18.5	0									
5	256QAM	1	12	17.11	17.18	17.31	18.5	0									
5	256QAM	1	24	17.02	17.07	17.05											
5	256QAM	12	0	17.03	17.08	17.08											
5	256QAM	12	13	17.11	16.93	17.15											
5	256QAM	25	0	17.07	17.05	16.96	18.5	0									
5	256QAM	25	12	17.11	17.03	17.12											
5	256QAM	25	25	17.22	17.02	17.11											
5	256QAM	50	0	17.15	17.15	17.15											
3	QPSK	1	0	17.23	17.24	17.32	18.5	0									
3	QPSK	1	12	17.23	17.18	17.33											
3	QPSK	1	14	17.01	17.12	17.21											
3	QPSK	8	0	17.13	17.20	17.28											
3	QPSK	8	8	17.25	17.20	17.27	18.5	0									
3	QPSK	8	8	17.16	17.17	17.25											
3	QPSK	16	0	17.27	17.35	17.22											
3	QPSK	16	8	17.10	17.24	17.27											
3	16QAM	1	0	17.03	17.25	17.22	18.5	0									
3	16QAM	1	14	17.19	16.92	17.19											
3	16QAM	1	14	17.11	17.11	17.21											
3	16QAM	8	4	17.21	17.18	17.21											
3	16QAM	8	7	17.23	17.15	17.15	18.5	0									
3	16QAM	8	7	17.15	17.10	17.23											
3	16QAM	1	0	17.02	17.31	17.20											
3	16QAM	1	8	17.07	16.98	16.90											
3	16QAM	8	4	17.19	17.18	17.22	18.5	0									
3	16QAM	8	4	17.18	17.18	17.22											
3	16QAM	16	0	17.25	17.24	17.25											
3	16QAM	16	8	17.35	17.24	17.22											
3	256QAM	1	0	17.22	17.07	17.28	18.5	0									
3	256QAM	1	8	17.08	16.94	17.17											
3	256QAM	1	14	17.08	17.03	17.08											
3	256QAM	1	14	17.22	17.02	17.21											
3	256QAM	8	4	17.05	16.95	16.83	18.5	0									
3	256QAM	8	7	17.15	17.08	17.18											
3	256QAM	8	7	17.15	17.15	17.15											
3	256QAM	16	0	17.20	17.24	17.30											
Channel																	
1821.5 1880 1913.5																	
14	QPSK	1	0	17.21	17.24	17.31	18.5	0									
14	QPSK	1	0	17.29	17.28	17.21											
14	QPSK	1	8	17.07	17.27	17.12											
14	QPSK	1	8	17.26	17.30	17.07											
14	QPSK	3	0	17.26	17.26	17.17	18.5	0									
14	QPSK	3	8	17.23	17.24	17.14											
14	QPSK	3	8	17.26	17.26	17.26											
14	16QAM	1	0	17.15	17.15	17.20											
14	16QAM	1	8	16.86	17.23	17.35	18.5	0									
14	16QAM	1	8	17.16	16.98	17.26											
14	16QAM	3	0	17.30	17.11	17.23											
14	16QAM	3	1	17.21	17.11	17.24											
14	16QAM	3	8	17.23	17.17	17.23	18.5	0									
14	16QAM	8	0	17.28	17.21	17.22											
14	16QAM	8	8	17.01	17.22	17.25											
14	16QAM	8	8	17.28	17.17	17.33											
14	8QAM	1	8	17.15	17.31	17.20	18.5	0									
14	8QAM	3	0	17.23	17.23	17.23											
14	8QAM	3	8	17.30	17.19	17.29											
14	8QAM	3	8	17.23	17.26	17.13											
14	8QAM	8	0	17.22	17.22	17.01	18.5	0									
14	8QAM	8	8	17.04	17.03	17.15											
14	8QAM																

Band 38 Ant4 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	18.92	19.02	18.84	19.5	0	
20	QPSK	1	49	18.97	18.82	18.83			
20	QPSK	1	99	19.01	19.00	18.96			
20	QPSK	50	0	18.82	19.00	18.92	19.5	0	
20	QPSK	50	24	18.85	18.95	18.93			
20	QPSK	50	50	18.98	18.81	18.98			
20	QPSK	100	0	18.79	18.99	18.80	19.5	0	
20	16QAM	1	0	18.74	18.74	19.01			
20	16QAM	1	49	18.73	18.82	18.76			
20	16QAM	1	99	18.91	18.82	18.79	19.5	0	
20	16QAM	50	0	18.91	18.79	18.83			
20	16QAM	50	24	18.81	18.85	18.90			
20	16QAM	50	50	18.80	18.89	18.78	19.5	0	
20	16QAM	100	0	18.90	18.90	18.83			
20	64QAM	1	0	18.78	18.77	18.73			
20	64QAM	1	49	18.98	18.96	18.76	19.5	0	
20	64QAM	1	99	18.80	18.88	18.91			
20	64QAM	50	0	18.91	18.83	18.80			
20	64QAM	50	24	18.80	18.81	18.93	19.5	0	
20	64QAM	50	50	18.84	18.97	18.94			
20	64QAM	100	0	18.75	18.94	18.93			
20	256QAM	1	0	18.48	18.58	18.48	19.5	0	
20	256QAM	1	49	18.57	18.44	18.48			
20	256QAM	1	99	18.38	18.60	18.44			
20	256QAM	50	0	18.24	18.57	18.56	19.5	0	
20	256QAM	50	24	18.40	18.56	18.40			
20	256QAM	50	50	18.43	18.42	18.46			
20	256QAM	100	0	18.34	18.45	18.40			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	18.77	18.94	18.80	19.5	0	
15	QPSK	1	37	18.77	18.79	18.67			
15	QPSK	1	74	18.90	18.91	18.75			
15	QPSK	36	0	18.82	19.00	18.84	19.5	0	
15	QPSK	36	20	18.63	18.95	18.77			
15	QPSK	36	39	18.81	18.73	18.85			
15	QPSK	75	0	18.67	18.90	18.76	19.5	0	
15	16QAM	1	0	18.71	18.68	18.86			
15	16QAM	1	37	18.72	18.74	18.59			
15	16QAM	1	74	18.69	18.64	18.59	19.5	0	
15	16QAM	36	0	18.85	18.61	18.71			
15	16QAM	36	20	18.71	18.81	18.90			
15	16QAM	36	39	18.61	18.79	18.67	19.5	0	
15	16QAM	75	0	18.72	18.81	18.81			
15	64QAM	1	0	18.57	18.65	18.64			
15	64QAM	1	37	18.88	18.80	18.61	19.5	0	
15	64QAM	1	74	18.61	18.75	18.73			
15	64QAM	36	0	18.69	18.74	18.77			
15	64QAM	36	20	18.73	18.73	18.82	19.5	0	
15	64QAM	36	39	18.76	18.84	18.74			
15	64QAM	75	0	18.63	18.88	18.74			
15	256QAM	1	0	18.58	18.69	18.61	19.5	0	
15	256QAM	1	37	18.84	18.69	18.65			
15	256QAM	1	74	18.78	18.65	18.89			
15	256QAM	36	0	18.61	18.73	18.58	19.5	0	
15	256QAM	36	20	18.79	18.75	18.85			
15	256QAM	36	39	18.76	18.79	18.68			
15	256QAM	75	0	18.80	18.62	18.93			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	18.72	18.85	18.69	19.5	0	
10	QPSK	1	25	18.90	18.73	18.78			
10	QPSK	1	49	18.95	18.87	18.77			
10	QPSK	25	0	18.70	18.93	18.88	19.5	0	
10	QPSK	25	12	18.78	18.86	18.69			
10	QPSK	25	25	18.89	18.76	18.87			
10	QPSK	50	0	18.60	18.85	18.62	19.5	0	
10	16QAM	1	0	18.51	18.62	18.77			
10	16QAM	1	25	18.49	18.74	18.56			
10	16QAM	1	49	18.75	18.60	18.54	19.5	0	
10	16QAM	25	0	18.72	18.64	18.80			
10	16QAM	25	12	18.73	18.60	18.65			
10	16QAM	25	25	18.67	18.77	18.52	19.5	0	
10	16QAM	50	0	18.85	18.66	18.75			
10	64QAM	1	0	18.53	18.65	18.69			
10	64QAM	1	25	18.83	18.79	18.59	19.5	0	
10	64QAM	1	49	18.55	18.80	18.78			
10	64QAM	25	0	18.75	18.77	18.60			
10	64QAM	25	12	18.69	18.65	18.68	19.5	0	
10	64QAM	25	25	18.75	18.78	18.83			
10	64QAM	50	0	18.52	18.81	18.80			
10	256QAM	1	0	18.53	18.62	18.70	19.5	0	
10	256QAM	1	25	18.88	18.60	18.64			
10	256QAM	1	49	18.79	18.63	18.77			
10	256QAM	25	0	18.55	18.49	18.52	19.5	0	
10	256QAM	25	12	18.87	18.76	18.83			
10	256QAM	25	25	18.55	18.79	18.71			
10	256QAM	50	0	18.75	18.77	18.81			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	18.65	18.73	18.70	19.5	0	
5	QPSK	1	12	18.70	18.52	18.63			
5	QPSK	1	24	18.71	18.77	18.80			
5	QPSK	12	0	18.63	18.72	18.69	19.5	0	
5	QPSK	12	7	18.64	18.79	18.73			
5	QPSK	12	13	18.71	18.58	18.86			
5	QPSK	25	0	18.53	18.88	18.69	19.5	0	
5	16QAM	1	0	18.64	18.63	18.73			
5	16QAM	1	12	18.55	18.55	18.67			
5	16QAM	1	24	18.66	18.63	18.67	19.5	0	
5	16QAM	12	0	18.82	18.71	18.54			
5	16QAM	12	7	18.49	18.54	18.81			
5	16QAM	12	13	18.59	18.73	18.57	19.5	0	
5	16QAM	25	0	18.73	18.73	18.74			
5	64QAM	1	0	18.58	18.56	18.50			
5	64QAM	1	12	18.75	18.84	18.64	19.5	0	
5	64QAM	1	24	18.49	18.75	18.79			
5	64QAM	12	0	18.81	18.54	18.64			
5	64QAM	12	7	18.48	18.53	18.67	19.5	0	
5	64QAM	12	13	18.55	18.85	18.76			
5	64QAM	25	0	18.58	18.71	18.71			
5	256QAM	1	0	18.47	18.69	18.52	19.5	0	
5	256QAM	1	12	18.83	18.55	18.70			
5	256QAM	1	24	18.78	18.67	18.70			
5	256QAM	12	0	18.59	18.61	18.50	19.5	0	
5	256QAM	12	7	18.66	18.73	18.81			
5	256QAM	12	13	18.68	18.56	18.60			
5	256QAM	25	0	18.56	18.68	18.74			

Band 41 Ant4 DS1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	18.82	18.76	19.05	18.87	19.02	19.5	0		
20	QPSK	1	49	18.87	18.77	18.88	19.02	18.80				
20	QPSK	1	99	18.96	18.86	18.98	18.92	19.01				
20	QPSK	50	0	18.97	18.76	18.99	18.86	18.77				
20	QPSK	50	24	18.87	18.89	18.80	18.93	18.95				
20	QPSK	50	50	18.86	18.90	18.97	18.95	18.94	19.5	0		
20	QPSK	100	0	18.88	18.78	18.94	18.76	18.87				
20	16QAM	1	0	18.77	18.87	18.86	18.91	18.77				
20	16QAM	1	49	18.95	18.81	18.86	18.88	18.91			19.5	0
20	16QAM	1	99	18.97	18.84	18.96	18.94	18.82				
20	16QAM	50	0	18.82	18.78	18.79	18.88	18.99				
20	16QAM	50	24	18.77	18.94	18.81	18.97	19.00				
20	16QAM	50	50	18.84	18.98	18.81	18.83	18.99				
20	16QAM	100	0	18.73	18.78	18.82	18.67	18.85	19.5	0		
20	64QAM	1	0	18.97	19.02	19.92	18.99	18.81				
20	64QAM	1	49	18.73	18.90	18.79	18.95	18.91			19.5	0
20	64QAM	1	99	18.80	18.81	18.88	18.78	18.97				
20	64QAM	50	0	18.81	18.75	18.73	18.94	18.98				
20	64QAM	50	24	18.74	18.78	18.87	18.94	18.87				
20	64QAM	50	50	18.86	18.75	18.87	19.02	18.93				
20	64QAM	100	0	18.98	18.85	18.80	18.90	18.74	19.5	0		
20	256QAM	1	0	18.82	18.88	18.73	18.66	18.81				
20	256QAM	1	49	18.71	18.73	18.81	18.89	18.81			19.5	0
20	256QAM	1	99	18.87	18.86	18.78	18.92	18.88				
20	256QAM	50	0	18.69	18.73	18.90	18.76	18.65				
20	256QAM	50	24	18.73	18.88	18.65	18.70	18.89				
20	256QAM	50	50	18.64	18.72	18.83	18.77	18.66				
20	256QAM	100	0	18.88	18.89	18.89	18.81	18.67				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	18.76	18.59	19.03	18.78	18.91	19.50	0		
15	QPSK	1	37	18.85	18.73	18.82	18.88	18.87				
15	QPSK	1	74	18.78	18.69	18.96	18.79	18.90				
15	QPSK	36	0	18.78	18.72	19.02	18.78	18.76				
15	QPSK	36	20	18.85	18.85	18.76	18.78	18.90				
15	QPSK	36	39	18.74	18.71	18.77	18.80	18.77	19.5	0		
15	QPSK	75	0	18.70	18.59	18.88	18.76	18.77				
15	16QAM	1	0	18.59	18.67	18.76	18.79	18.67				
15	16QAM	1	37	18.87	18.66	18.85	18.68	18.85			19.5	0
15	16QAM	1	74	18.85	18.73	18.85	18.92	18.79				
15	16QAM	36	0	18.68	18.77	18.60	18.80	18.81				
15	16QAM	36	20	18.72	18.88	18.62	18.84	18.93				
15	16QAM	36	39	18.79	18.92	18.62	18.74	18.84				
15	16QAM	75	0	18.71	18.60	18.77	18.81	18.69	19.5	0		
15	64QAM	1	0	18.81	18.85	18.84	18.90	18.70				
15	64QAM	1	37	18.73	18.85	18.73	18.78	18.91				
15	64QAM	1	74	18.65	18.80	18.71	18.66	18.83				
15	64QAM	36	0	18.67	18.60	18.70	18.88	18.78				
15	64QAM	36	20	18.55	18.62	18.73	18.90	18.86	19.5	0		
15	64QAM	36	39	18.69	18.56	18.79	18.89	18.86				
15	64QAM	75	0	18.97	18.75	18.82	18.87	18.70				
15	256QAM	1	0	18.68	18.84	18.54	18.56	18.68				
15	256QAM	1	37	18.57	18.59	18.81	18.79	18.69				
15	256QAM	1	74	18.85	18.81	18.70	18.74	18.69	19.5	0		
15	256QAM	36	0	18.83	18.66	18.87	18.66	18.57				
15	256QAM	36	20	18.67	18.82	18.57	18.52	18.86				
15	256QAM	36	39	18.51	18.68	18.76	18.65	18.59				
15	256QAM	75	0	18.77	18.86	18.74	18.76	18.50				
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	18.57	18.55	18.89	18.73	18.86	19.50	0		
10	QPSK	1	25	18.75	18.61	18.82	18.86	18.58				
10	QPSK	1	49	18.76	18.78	18.75	18.73	18.91				
10	QPSK	25	0	18.85	18.54	18.88	18.67	18.65				
10	QPSK	25	12	18.82	18.69	18.69	18.75	18.77				
10	QPSK	25	25	18.81	18.67	18.85	18.74	18.85	19.5	0		
10	QPSK	50	0	18.70	18.57	18.87	18.59	18.73				
10	16QAM	1	0	18.62	18.71	18.65	18.84	18.58				
10	16QAM	1	25	18.78	18.69	18.76	18.90	18.86			19.5	0
10	16QAM	1	49	18.85	18.62	18.92	18.73	18.87				
10	16QAM	25	0	18.82	18.68	18.73	18.79	18.90				
10	16QAM	25	12	18.58	18.72	18.62	18.88	18.82				
10	16QAM	25	25	18.60	18.77	18.63	18.64	18.90				
10	16QAM	50	0	18.48	18.64	18.66	18.77	18.73	19.5	0		
10	64QAM	1	0	18.87	18.88	18.70	18.93	18.73				
10	64QAM	1	25	18.59	18.84	18.66	18.78	18.74				
10	64QAM	1	49	18.60	18.62	18.66	18.54	18.84				
10	64QAM	25	0	18.61	18.58	18.58	18.78	18.84				
10	64QAM	25	12	18.54	18.67	18.62	18.73	18.76	19.5	0		
10	64QAM	25	25	18.61	18.52	18.67	18.77	18.70				
10	64QAM	50	0	18.80	18.69	18.72	18.73	18.67				
10	256QAM	1	0	18.73	18.72	18.67	18.52	18.65				
10	256QAM	1	25	18.62	18.49	18.59	18.66	18.62				
10	256QAM	1	49	18.81	18.78	18.72	18.81	18.66	19.5	0		
10	256QAM	25	0	18.52	18.49	18.82	18.69	18.53				
10	256QAM	25	12	18.53	18.77	18.50	18.48	18.76				
10	256QAM	25	25	18.58	18.65	18.67	18.66	18.44				
10	256QAM	50	0	18.68	18.70	18.78	18.58	18.55				
Channel				39675	40148	40620	41053	41525	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2543.3	2593	2640.39	2687.6				
5	QPSK	1	0	18.63	18.53	18.93	18.78	18.86	19.50	0		
5	QPSK	1	12	18.69	18.59	18.77	18.81	18.58				
5	QPSK	1	24	18.86	18.66	18.86	18.68	18.85				
5	QPSK	12	0	18.78	18.53	18.83	18.62	18.52				
5	QPSK	12	7	18.66	18.71	18.68	18.82	18.68				
5	QPSK	12	13	18.64	18.70	18.82	18.71	18.76	19.5	0		
5	QPSK	25	0	18.76	18.52	18.71	18.58	18.74				
5	16QAM	1	0	18.59	18.77	18.75	18.76	18.56				
5	16QAM	1	12	18.75	18.59	18.72	18.65	18.65				
5	16QAM	1	24	18.81	18.59	18.68	18.67	18.55				
5	16QAM	12	0	18.69	18.64	18.52	18.71	18.78	19.5	0		
5	16QAM	12	7	18.55	18.81	18.59	18.80	18.83				
5	16QAM	12	13	18.56	18.81	18.60	18.63	18.73				
5	16QAM	25	0	18.47	18.61	18.67	18.75	18.61				
5	64QAM	1	0	18.75	18.81	18.79	18.82	18.60				
5	64QAM	1	12	18.59	18.64	18.54	18.84	18.62	19.5	0		
5	64QAM	1	24	18.54	18.64	18.73	18.67	18.87				
5	64QAM	12	0	18.66	18.62	18.52	18.68	18.75				
5	64QAM	12	7	18.54	18.54	18.63	18.83	18.75				
5	64QAM	12	13	18.72	18.49	18.73	18.81	18.76				
5	64QAM	25	0	18.81	18.60	18.59	18.65	18.58	19.5	0		
5	256QAM	1	0	18.57	18.65	18.50	18.51	18.61				
5	256QAM	1	12	18.61	18.53	18.56	18.68	18.63				
5	256QAM	1	24	18.62	18.64	18.50	18.78	18.59				
5	256QAM	12	0	18.46	18.43	18.77	18.54	18.38				
5	256QAM	12	7	18.53	18.70	18.54	18.59	18.67	19.5	0		
5	256QAM	12	13	18.49	18.59	18.53	18.52	18.39				
5	256QAM	25	0	18.76	18.65	18.61	18.56	18.55				



Band 4 Ant5 DS1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up Inst	APR (dB)				
Channel													
Frequency (MHz)													
20	QPSK	1	0	16.61	18.77	18.77	18.77	20.5	0				
20	QPSK	1	49	16.67	18.73	18.73	18.73	20.5	0				
20	QPSK	1	99	16.74	18.68	18.69	18.69	20.5	0				
20	QPSK	50	0	16.71	18.69	18.69	18.69	20.5	0				
20	16QAM	1	49	16.68	18.66	18.76	18.76	20.5	0				
20	16QAM	50	99	16.71	18.64	18.69	18.69	20.5	0				
20	16QAM	50	24	16.71	18.65	18.65	18.65	20.5	0				
20	16QAM	100	0	16.63	18.61	18.69	18.69	20.5	0				
20	8QAM	1	0	16.68	18.62	18.62	18.62	20.5	0				
20	8QAM	1	99	16.79	18.67	18.79	18.79	20.5	0				
20	8QAM	25	0	16.63	18.68	18.71	18.71	20.5	0				
20	8QAM	50	50	16.82	18.77	18.63	18.63	20.5	0				
20	8QAM	100	0	16.63	18.67	18.65	18.65	20.5	0				
20	256QAM	1	49	17.88	17.79	17.73	17.73	19.5	1				
20	256QAM	50	99	17.79	17.66	17.68	17.68	19.5	1				
20	256QAM	50	24	17.77	17.61	17.65	17.65	19.5	1				
20	256QAM	100	0	17.76	17.67	17.68	17.68	19.5	1				
20	256QAM	100	50	17.69	17.66	17.67	17.67	19.5	1				
Channel													
Frequency (MHz)													
15	QPSK	1	0	16.66	18.64	18.77	18.77	20.5	0				
15	QPSK	1	37	16.71	18.74	18.75	18.75	20.5	0				
15	QPSK	36	74	16.63	18.62	18.68	18.68	20.5	0				
15	QPSK	36	0	16.69	18.63	18.63	18.63	20.5	0				
15	QPSK	36	36	16.64	18.62	18.68	18.68	20.5	0				
15	QPSK	75	0	16.67	18.72	18.58	18.58	20.5	0				
15	16QAM	1	0	16.78	18.58	18.69	18.69	20.5	0				
15	16QAM	1	37	16.77	18.76	18.79	18.79	20.5	0				
15	16QAM	1	74	16.74	18.68	18.63	18.63	20.5	0				
15	16QAM	36	0	16.67	18.66	18.61	18.61	20.5	0				
15	16QAM	36	36	16.59	18.61	18.63	18.63	20.5	0				
15	16QAM	75	0	16.64	18.64	18.65	18.65	20.5	0				
15	8QAM	1	0	16.50	18.62	18.61	18.61	20.5	0				
15	8QAM	1	37	16.67	18.52	18.59	18.59	20.5	0				
15	8QAM	1	74	16.76	18.56	18.59	18.59	20.5	0				
15	8QAM	36	0	16.61	18.69	18.67	18.67	20.5	0				
15	8QAM	36	36	16.58	18.69	18.64	18.64	20.5	0				
15	8QAM	75	0	16.65	18.53	18.64	18.64	20.5	0				
15	256QAM	1	0	17.75	17.66	17.68	17.68	19.5	1				
15	256QAM	1	37	17.86	17.68	17.73	17.73	19.5	1				
15	256QAM	1	74	17.81	17.66	17.68	17.68	19.5	1				
15	256QAM	50	0	17.65	17.66	17.62	17.62	19.5	1				
15	256QAM	50	24	17.74	17.66	17.68	17.68	19.5	1				
15	256QAM	50	50	17.72	17.79	17.68	17.68	19.5	1				
15	256QAM	100	0	17.63	17.75	17.63	17.63	19.5	1				
Channel													
Frequency (MHz)													
10	QPSK	1	0	16.71	18.60	18.77	18.77	20.5	0				
10	QPSK	1	12	16.66	18.59	18.69	18.69	20.5	0				
10	QPSK	1	25	16.66	18.61	18.69	18.69	20.5	0				
10	QPSK	12	0	16.62	18.62	18.77	18.77	20.5	0				
10	QPSK	12	7	16.57	18.60	18.66	18.66	20.5	0				
10	QPSK	12	13	16.65	18.69	18.69	18.69	20.5	0				
10	QPSK	25	0	16.67	18.67	18.57	18.57	20.5	0				
10	16QAM	1	0	16.62	18.76	18.76	18.76	20.5	0				
10	16QAM	1	12	16.64	18.73	18.68	18.68	20.5	0				
10	16QAM	1	24	16.69	18.68	18.62	18.62	20.5	0				
10	16QAM	12	7	16.68	18.62	18.66	18.66	20.5	0				
10	16QAM	12	13	16.60	18.66	18.64	18.64	20.5	0				
10	8QAM	1	0	16.62	18.68	18.61	18.61	20.5	0				
10	8QAM	1	12	16.73	18.63	18.69	18.69	20.5	0				
10	8QAM	1	24	16.61	18.66	18.63	18.63	20.5	0				
10	8QAM	12	7	16.67	18.62	18.63	18.63	20.5	0				
10	8QAM	12	13	16.68	18.62	18.66	18.66	20.5	0				
10	8QAM	25	0	16.79	18.70	18.58	18.58	20.5	0				
10	8QAM	25	12	16.77	18.67	17.63	17.63	20.5	0				
10	8QAM	25	12	17.84	17.68	17.68	17.68	19.5	1				
10	8QAM	1	24	17.77	17.67	17.60	17.60	19.5	1				
10	8QAM	1	24	17.71	17.67	17.60	17.60	19.5	1				
10	256QAM	1	7	17.68	17.67	17.67	17.67	19.5	1				
10	256QAM	12	13	17.79	17.62	17.65	17.65	19.5	1				
10	256QAM	12	13	17.79	17.62	17.65	17.65	19.5	1				
Channel													
Frequency (MHz)													
199.5	QPSK	1	0	16.61	18.66	18.66	18.66	20.5	0				
3	QPSK	1	0	16.61	18.66	18.66	18.66	20.5	0				
3	QPSK	1	8	16.53	18.55	18.55	18.55	20.5	0				
3	QPSK	1	14	16.54	18.61	18.64	18.64	20.5	0				
3	QPSK	8	0	16.54	18.61	18.59	18.59	20.5	0				
3	QPSK	8	7	16.69	18.62	18.50	18.50	20.5	0				
3	QPSK	8	14	16.66	18.73	18.64	18.64	20.5	0				
3	16QAM	1	0	16.62	18.68	18.69	18.69	20.5	0				
3	16QAM	1	8	16.66	18.69	18.63	18.63	20.5	0				
3	16QAM	8	0	16.67	18.67	18.60	18.60	20.5	0				
3	16QAM	8	4	16.75	18.74	18.63	18.63	20.5	0				
3	16QAM	8	14	16.67	18.69	18.65	18.65	20.5	0				
3	16QAM	16	0	16.67	18.64	18.62	18.62	20.5	0				
3	16QAM	16	8	16.66	18.64	18.66	18.66	20.5	0				
3	16QAM	16	14	16.67	18.66	18.67	18.67	20.5	0				
3	16QAM	8	8	16.63	18.59	18.77	18.77	20.5	0				
3	16QAM	1	14	16.62	18.61	18.69	18.69	20.5	0				
3	16QAM	1	22	16.66	18.62	18.66	18.66	20.5	0				
3	16QAM	8	8	16.67	18.73	18.62	18.62	20.5	0				
3	8QAM	7	7	16.64	18.62	18.63	18.63	20.5	0				
3	8QAM	7	14	16.67	18.63	18.65	18.65	20.5	0				
3	256QAM	1	8	17.76	17.67	17.68	17.68	19.5	1				
3	256QAM	1	8	17.76	17.70	17.78	17.78	19.5	1				
3	256QAM	1	8	17.67	17.67	17.67	17.67	19.5	1				
3	256QAM	8	0	17.65	17.61	17.70	17.70	19.5	1				
3	256QAM	8	8	17.66	17.67	17.68	17.68	19.5	1				
3	256QAM	8	8	17.77	17.62	17.66	17.66	19.5	1				
3	256QAM	16	0	17.77	17.65	17.71	17.71	19.5	1				
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	16.58	18.69	18.53	18.53	20.5	0				
1.4	QPSK	1	8	16.70	18.78	18.78	18.78	20.5	0				
1.4	QPSK	1	5	16.77	18.60	18.55	18.55	20.5	0				
1.4	QPSK	3	0	16.60	18.62	18.67	18.67	20.5	0				
1.4	QPSK	3	8	16.54	18.52	18.55	18.55	20.5	0				
1.4	QPSK	3	5	16.61	18.55	18.55	18.55	20.5	0				
1.4	QPSK	6	0	16.69	18.77	18.54	18.54	20.5	0				
1.4	QPSK	6	8	16.74	18.74	18.74	18.74	20.5	0				
1.4	QPSK	3	8	16.75	18.79	18.61	18.61	20.5	0				
1.4	QPSK	1	5	16.67	18.73	18.77	18.77	20.5	0				
1.4	QPSK	1	10	16.66	18.68	18.69	18.69	20.5	0				
1.4	QPSK	1	15	16.66	18.68	18.69	18.69	20.5	0				
1.4	QPSK	3	5	16.65	18.74	18.59	18.59	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68	20.5	0				
1.4	QPSK	3	5	16.64	18.68	18.68	18.68						

Band 38 Ant5 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.26	22.33	22.18	23.5	0	
20	QPSK	1	49	22.10	22.22	22.11			
20	QPSK	1	99	22.16	22.13	22.15			
20	QPSK	50	0	22.10	22.16	22.11	23.5	0	
20	QPSK	50	24	22.01	22.03	22.12			
20	QPSK	50	50	22.15	22.04	22.08			
20	QPSK	100	0	22.00	22.14	22.04	23.5	0	
20	16QAM	1	0	22.06	22.18	22.21			
20	16QAM	1	49	22.20	22.24	22.13			
20	16QAM	1	99	22.20	22.12	22.15	23.5	0	
20	16QAM	50	0	22.09	22.09	22.01			
20	16QAM	50	24	22.02	22.20	22.03			
20	16QAM	50	50	22.21	22.23	21.97	23.5	0	
20	16QAM	100	0	22.00	21.96	22.17			
20	64QAM	1	0	22.00	22.18	22.10			
20	64QAM	1	49	22.07	22.20	22.13	22.5	1	
20	64QAM	1	99	22.05	22.00	22.09			
20	64QAM	50	0	21.13	21.13	21.14			
20	64QAM	50	24	21.16	21.16	21.21	20.5	3	
20	64QAM	50	50	21.09	21.25	21.15			
20	64QAM	100	0	21.10	21.11	21.18			
20	256QAM	1	0	18.81	19.03	18.76	20.5	3	
20	256QAM	1	49	18.93	18.83	18.83			
20	256QAM	1	99	18.93	18.98	18.81			
20	256QAM	50	0	18.76	18.99	18.98	20.5	3	
20	256QAM	50	24	18.84	18.82	18.96			
20	256QAM	50	50	19.02	19.12	18.89			
20	256QAM	100	0	18.87	19.04	18.90			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.24	22.23	22.00	23.5	0	
15	QPSK	1	37	21.99	22.04	21.94			
15	QPSK	1	74	22.12	21.98	22.12			
15	QPSK	36	0	22.06	22.07	22.11	23.5	0	
15	QPSK	36	20	22.01	21.92	21.99			
15	QPSK	36	39	22.11	21.97	21.99			
15	QPSK	75	0	21.87	22.05	22.01	23.5	0	
15	16QAM	1	0	21.94	22.19	22.14			
15	16QAM	1	37	22.04	22.02	21.93	23.5	0	
15	16QAM	1	74	22.05	22.09	21.95			
15	16QAM	36	0	21.95	21.90	21.97	23.5	0	
15	16QAM	36	20	21.86	22.02	21.84			
15	16QAM	36	39	22.12	22.08	21.94			
15	16QAM	75	0	21.81	21.76	22.05	23.5	0	
15	64QAM	1	0	21.93	22.19	22.01			
15	64QAM	1	37	21.94	22.22	22.01			
15	64QAM	1	74	21.88	21.90	21.99	22.5	1	
15	64QAM	36	0	21.02	20.99	21.15			
15	64QAM	36	20	21.15	21.05	21.19			
15	64QAM	36	39	21.05	21.08	21.15	20.5	3	
15	64QAM	75	0	20.95	20.98	21.04			
15	256QAM	1	0	18.91	18.98	18.80			
15	256QAM	1	37	18.99	18.82	18.93	20.5	3	
15	256QAM	1	74	18.86	18.95	18.92			
15	256QAM	36	0	18.87	19.09	19.01			
15	256QAM	36	20	18.89	18.79	19.02	20.5	3	
15	256QAM	36	39	18.98	19.11	18.93			
15	256QAM	75	0	18.86	19.01	18.91			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.22	22.15	21.96	23.5	0	
10	QPSK	1	25	21.97	22.08	21.91			
10	QPSK	1	49	22.12	22.09	21.94			
10	QPSK	25	0	22.02	22.08	21.91	23.5	0	
10	QPSK	25	12	21.95	21.83	21.93			
10	QPSK	25	25	21.99	21.93	21.97			
10	QPSK	50	0	21.75	21.89	21.84	23.5	0	
10	16QAM	1	0	22.02	21.99	22.05			
10	16QAM	1	25	21.95	22.08	22.03	23.5	0	
10	16QAM	1	49	22.04	22.07	22.07			
10	16QAM	25	0	21.84	22.04	21.80	23.5	0	
10	16QAM	25	12	21.93	22.04	21.82			
10	16QAM	25	25	22.08	22.13	21.84			
10	16QAM	50	0	21.96	21.86	22.10	23.5	0	
10	64QAM	1	0	21.77	22.11	22.03			
10	64QAM	1	25	21.93	22.12	22.03	22.5	1	
10	64QAM	1	49	21.85	21.77	21.89			
10	64QAM	25	0	21.03	20.87	21.03			
10	64QAM	25	12	21.01	21.09	20.98	20.5	3	
10	64QAM	25	25	21.04	21.00	20.98			
10	64QAM	50	0	20.94	20.92	20.98			
10	256QAM	1	0	18.88	19.00	18.81	20.5	3	
10	256QAM	1	25	18.94	18.95	18.92			
10	256QAM	1	49	18.85	18.92	18.91			
10	256QAM	25	0	18.80	19.04	19.00	20.5	3	
10	256QAM	25	12	18.88	18.83	19.04			
10	256QAM	25	25	19.00	19.12	18.87			
10	256QAM	50	0	18.82	19.05	18.83			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	21.95	22.02	21.97	23.5	0	
5	QPSK	1	12	21.91	21.92	21.82			
5	QPSK	1	24	21.89	22.00	22.07			
5	QPSK	12	0	22.01	21.90	21.89	23.5	0	
5	QPSK	12	7	21.86	21.93	21.99			
5	QPSK	12	13	21.86	21.95	21.91			
5	QPSK	25	0	21.72	22.01	21.74	23.5	0	
5	16QAM	1	0	21.84	21.87	22.09			
5	16QAM	1	12	21.95	21.94	21.95	23.5	0	
5	16QAM	1	24	22.04	21.81	22.04			
5	16QAM	12	0	21.98	21.80	21.81	23.5	0	
5	16QAM	12	7	21.83	21.91	21.83			
5	16QAM	12	13	21.95	21.97	21.86			
5	16QAM	25	0	21.83	21.73	21.89	23.5	0	
5	64QAM	1	0	21.82	21.95	21.80			
5	64QAM	1	12	21.80	21.94	22.04			
5	64QAM	1	24	21.91	21.69	21.83	22.5	1	
5	64QAM	12	0	21.03	20.86	20.88			
5	64QAM	12	7	21.03	21.07	21.09			
5	64QAM	12	13	20.90	20.95	21.02	20.5	3	
5	64QAM	25	0	20.84	20.98	20.90			
5	256QAM	1	0	18.93	19.01	18.86			
5	256QAM	1	12	18.96	18.92	18.86	20.5	3	
5	256QAM	1	24	18.89	18.89	18.89			
5	256QAM	12	0	18.87	19.00	18.91			
5	256QAM	12	7	18.84	18.80	18.91	20.5	3	
5	256QAM	12	13	19.02	19.03	18.94			
5	256QAM	25	0	18.77	19.05	18.92			

Band 41 Ant5 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.25	22.15	22.34	22.16	22.11	23.5	0
20	QPSK	1	49	22.10	21.99	21.99	22.22	21.91		
20	QPSK	1	99	22.13	22.05	22.27	22.17	22.17		
20	QPSK	50	0	22.23	22.00	22.29	21.99	21.95		
20	QPSK	50	24	21.97	22.19	21.97	22.11	22.11	23.5	0
20	QPSK	50	50	22.00	22.04	22.13	22.20	22.20		
20	QPSK	100	0	22.10	21.91	22.16	21.88	22.05		
20	16QAM	1	0	22.09	22.10	22.14	22.20	21.98		
20	16QAM	1	49	22.07	21.97	22.14	22.16	22.21	23.5	0
20	16QAM	1	99	22.27	22.05	22.08	22.17	21.92		
20	16QAM	50	0	22.00	22.02	22.07	22.05	22.10		
20	16QAM	50	24	22.07	22.09	22.13	22.20	22.17		
20	16QAM	50	50	22.11	22.28	21.97	22.00	22.31	23.5	0
20	16QAM	100	0	21.84	22.08	22.14	21.97	22.06		
20	64QAM	1	0	22.08	22.24	22.29	22.20	22.11		
20	64QAM	1	49	22.00	22.07	21.90	22.07	22.05		
20	64QAM	1	99	21.96	22.02	22.18	21.87	22.18	23.5	0
20	64QAM	50	0	20.85	20.98	21.12	21.18	20.86		
20	64QAM	50	24	21.24	21.27	21.13	21.34	20.90		
20	64QAM	50	50	20.92	21.25	21.00	21.23	21.08		
20	64QAM	100	0	20.98	21.15	21.10	21.02	21.21	22.5	1
20	256QAM	1	0	19.43	19.30	19.32	19.35	19.36		
20	256QAM	1	49	19.22	19.18	19.33	19.21	19.21		
20	256QAM	1	99	19.18	19.16	19.31	19.28	19.18		
20	256QAM	50	0	19.36	19.18	19.41	19.42	19.25	20.5	3
20	256QAM	50	24	19.40	19.37	19.39	19.18	19.19		
20	256QAM	50	50	19.38	19.41	19.36	19.22	19.17		
20	256QAM	100	0	19.50	19.23	19.42	19.27	19.31		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.06	22.03	22.17	21.99	21.91	23.50	0
15	QPSK	1	37	21.84	21.75	21.75	21.99	21.71		
15	QPSK	1	74	21.82	21.77	22.09	21.87	21.91		
15	QPSK	36	0	22.04	21.84	22.06	21.82	21.81		
15	QPSK	36	20	21.86	21.86	21.98	21.89	21.84	23.5	0
15	QPSK	36	39	21.92	21.92	21.91	22.08	22.08		
15	QPSK	75	0	21.96	21.81	21.88	21.80	21.75		
15	16QAM	1	0	21.80	21.86	21.96	22.11	21.73		
15	16QAM	1	37	21.85	21.68	21.91	22.02	21.97	23.5	0
15	16QAM	1	74	22.14	21.96	22.00	22.06	21.75		
15	16QAM	36	0	21.78	21.80	21.90	21.75	21.96		
15	16QAM	36	20	21.84	21.99	21.94	22.05	21.96		
15	16QAM	36	39	21.92	22.03	21.88	21.89	22.18	23.5	0
15	16QAM	75	0	21.71	21.84	21.85	21.66	21.86		
15	64QAM	1	0	21.93	22.16	21.81	22.04	21.99		
15	64QAM	1	37	21.79	21.82	21.75	21.76	21.79		
15	64QAM	1	74	21.72	21.89	22.08	21.72	21.89	23.5	0
15	64QAM	36	0	20.65	20.75	21.04	21.06	20.74		
15	64QAM	36	20	20.96	20.95	20.83	21.04	20.75		
15	64QAM	36	39	20.81	21.07	20.78	21.03	20.94		
15	64QAM	75	0	20.80	20.89	20.98	20.90	20.90	22.5	1
15	256QAM	1	0	19.21	19.10	19.06	19.12	19.17		
15	256QAM	1	37	19.02	18.99	19.18	18.92	18.95		
15	256QAM	1	74	18.91	19.06	19.22	19.16	18.94		
15	256QAM	36	0	19.10	19.06	19.11	19.13	19.17	20.5	3
15	256QAM	36	20	19.21	19.27	19.15	19.08	19.07		
15	256QAM	36	39	19.22	19.17	19.20	18.91	18.99		
15	256QAM	75	0	19.38	19.00	19.18	19.06	19.10		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.94	21.99	22.14	21.99	22.03	23.50	0
10	QPSK	1	25	21.93	21.89	21.78	21.95	21.87		
10	QPSK	1	49	21.98	21.89	21.99	22.06	22.06		
10	QPSK	25	0	22.14	21.72	22.20	21.82	21.81		
10	QPSK	25	12	21.71	21.99	21.80	22.03	21.82	23.5	0
10	QPSK	25	25	21.92	21.84	22.02	22.06	22.08		
10	QPSK	50	0	21.98	21.78	21.85	21.71	21.83		
10	16QAM	1	0	21.96	22.02	21.97	22.01	21.82		
10	16QAM	1	25	21.94	21.73	21.96	22.05	21.96	23.5	0
10	16QAM	1	49	21.98	21.93	21.86	21.98	21.64		
10	16QAM	25	0	21.69	21.84	21.98	21.85	21.83		
10	16QAM	25	12	21.79	21.82	21.98	22.12	21.88		
10	16QAM	25	25	21.79	22.10	21.88	22.01	22.12	23.5	0
10	16QAM	50	0	21.73	21.93	22.01	21.76	21.91		
10	64QAM	1	0	21.99	21.93	21.78	21.90	21.95		
10	64QAM	1	25	21.89	21.89	21.71	21.88	21.77		
10	64QAM	1	49	21.75	21.75	22.03	21.72	21.94	23.5	0
10	64QAM	25	0	20.85	20.74	21.02	21.05	20.89		
10	64QAM	25	12	21.06	21.14	20.97	21.14	20.85		
10	64QAM	25	25	20.73	21.17	20.85	21.04	20.84		
10	64QAM	50	0	20.68	21.00	20.95	20.93	21.05	22.5	1
10	256QAM	1	0	19.19	19.15	19.23	19.10	19.21		
10	256QAM	1	25	19.05	18.97	19.23	19.12	18.95		
10	256QAM	1	49	18.89	18.85	19.19	19.03	19.01		
10	256QAM	25	0	19.28	19.02	19.22	19.24	19.05	20.5	3
10	256QAM	25	12	19.28	19.08	19.16	18.95	19.06		
10	256QAM	25	25	19.07	19.16	19.11	19.00	19.09		
10	256QAM	50	0	19.34	19.01	19.11	19.06	19.00		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.10	22.05	22.04	22.03	21.97	23.50	0
5	QPSK	1	12	21.88	21.74	21.78	21.94	21.83		
5	QPSK	1	24	21.99	21.78	22.04	21.86	21.93		
5	QPSK	12	0	22.07	21.90	22.00	21.74	21.67		
5	QPSK	12	7	21.83	22.10	21.78	21.84	21.96	23.5	0
5	QPSK	12	13	21.79	21.87	21.95	21.98	21.89		
5	QPSK	25	0	21.79	21.70	21.98	21.71	21.81		
5	16QAM	1	0	21.94	21.84	21.99	21.91	21.78		
5	16QAM	1	12	21.98	21.66	21.83	21.94	22.02	23.5	0
5	16QAM	1	24	21.98	21.81	21.97	22.03	21.77		
5	16QAM	12	0	21.86	21.85	21.83	21.93	21.95		
5	16QAM	12	7	21.96	21.85	21.85	21.93	21.91		
5	16QAM	12	13	21.90	22.08	21.70	21.84	22.01	23.5	0
5	16QAM	25	0	21.59	21.99	22.03	21.75	21.93		
5	64QAM	1	0	21.94	22.04	21.91	22.01	21.93		
5	64QAM	1	12	21.84	21.92	21.99	21.88	21.96		
5	64QAM	1	24	21.70	21.71	22.05	21.60	21.87	23.5	0
5	64QAM	12	0	20.63	20.89	20.90	20.99	20.61		
5	64QAM	12	7	20.96	21.00	20.98	21.06	20.75		
5	64QAM	12	13	20.79	20.94	20.80	21.10	20.85		
5	64QAM	25	0	20.78	21.02	20.79	20.89	21.06	22.5	1
5	256QAM	1	0	19.20	19.16	19.22	19.08	19.14		
5	256QAM	1	12	19.02	19.07	19.21	18.90	18.99		
5	256QAM	1	24	19.08	18.94	19.18	19.00	18.87		
5	256QAM	12	0	19.08	18.99	19.28	19.19	19.11	20.5	3
5	256QAM	12	7	19.18	19.09	19.23	19.06	18.95		
5	256QAM	12	13	19.24	19.14	19.16	18.91	18.98		
5	256QAM	25	0	19.23	19.01	19.22	19.04	19.21		

Band 42 Ant10 DS1i									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	21.7	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	21.07	21.12	21.05			
20	QPSK	1	49	21.03	21.05	20.99	21.7	0	
20	QPSK	1	99	20.83	20.84	20.92			
20	QPSK	50	0	21.06	21.10	21.07			
20	QPSK	50	24	21.03	21.03	21.07	21.7	0	
20	QPSK	50	50	20.98	21.04	20.97			
20	QPSK	100	0	20.96	21.07	21.03			
20	16QAM	1	0	21.06	21.07	20.97	21.7	0	
20	16QAM	1	49	20.99	20.93	20.94			
20	16QAM	1	99	20.91	20.87	20.86			
20	16QAM	50	0	21.04	20.86	21.04	21.7	0	
20	16QAM	50	24	20.97	20.96	21.11			
20	16QAM	50	50	21.05	21.04	21.02			
20	16QAM	100	0	20.98	21.10	21.05	21.7	0	
20	64QAM	1	0	21.02	21.06	20.92			
20	64QAM	1	49	20.96	20.88	20.92			
20	64QAM	1	99	20.84	20.79	20.73	21.7	0	
20	64QAM	50	0	21.02	20.98	21.05			
20	64QAM	50	24	20.95	21.02	21.07			
20	64QAM	50	50	21.02	21.04	21.00	21.7	0	
20	64QAM	100	0	21.06	21.10	21.05			
20	256QAM	1	0	19.79	19.76	19.86			
20	256QAM	1	49	19.59	19.46	19.58	20.7	1	
20	256QAM	1	99	19.59	19.49	19.84			
20	256QAM	50	0	19.66	19.94	19.94			
20	256QAM	50	24	19.59	19.80	19.81	20.7	1	
20	256QAM	50	50	19.84	19.64	19.78			
20	256QAM	100	0	19.86	19.75	19.73			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5	21.7	0	
15	QPSK	1	0	20.99	21.00	20.86			
15	QPSK	1	37	21.05	20.92	20.81			
15	QPSK	1	74	20.84	20.74	20.90	21.7	0	
15	QPSK	36	0	20.88	20.91	21.02			
15	QPSK	36	20	20.85	20.83	20.95			
15	QPSK	36	39	20.91	20.84	20.83	21.7	0	
15	QPSK	75	0	20.96	20.86	20.93			
15	16QAM	1	0	21.04	20.90	20.76			
15	16QAM	1	37	20.79	20.89	20.77	21.7	0	
15	16QAM	1	74	20.75	20.86	20.76			
15	16QAM	36	0	20.98	20.85	20.83			
15	16QAM	36	20	20.89	20.77	20.90	21.7	0	
15	16QAM	36	39	20.91	20.83	21.02			
15	16QAM	75	0	20.88	21.09	20.93			
15	64QAM	1	0	20.83	21.04	20.81	21.7	0	
15	64QAM	1	37	20.98	20.72	20.74			
15	64QAM	1	74	20.84	20.71	20.74			
15	64QAM	36	0	20.93	20.88	20.98	21.7	0	
15	64QAM	36	20	20.88	20.86	21.05			
15	64QAM	36	39	20.98	20.98	20.82			
15	64QAM	75	0	20.91	20.96	20.86	20.7	1	
15	256QAM	1	0	19.61	19.86	19.81			
15	256QAM	1	37	19.53	19.64	19.78			
15	256QAM	1	74	19.68	19.49	19.81	20.7	1	
15	256QAM	36	0	19.73	19.94	19.92			
15	256QAM	36	20	19.68	19.69	19.75			
15	256QAM	36	39	19.80	19.74	19.83	21.7	0	
15	256QAM	75	0	19.69	19.72	19.82			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545	21.7	0	
10	QPSK	1	0	21.01	20.98	20.97			
10	QPSK	1	25	20.87	20.88	20.74			
10	QPSK	1	49	20.69	20.80	20.70	21.7	0	
10	QPSK	25	0	20.82	21.05	20.89			
10	QPSK	25	12	20.98	20.82	20.96			
10	QPSK	25	25	20.82	20.79	20.78	21.7	0	
10	QPSK	50	0	20.79	20.88	20.92			
10	16QAM	1	0	20.81	20.97	20.81			
10	16QAM	1	25	20.83	20.68	20.82	21.7	0	
10	16QAM	1	49	20.72	20.81	20.81			
10	16QAM	25	0	20.87	20.83	21.00			
10	16QAM	25	12	20.74	20.90	21.01	21.7	0	
10	16QAM	25	25	20.96	20.93	20.98			
10	16QAM	50	0	20.94	20.83	20.95			
10	64QAM	1	0	20.80	20.96	20.68	21.7	0	
10	64QAM	1	25	20.92	20.70	20.80			
10	64QAM	1	49	20.79	20.69	20.65			
10	64QAM	25	0	20.76	20.79	20.88	21.7	0	
10	64QAM	25	12	20.74	20.83	21.01			
10	64QAM	25	25	20.76	20.93	20.82			
10	64QAM	50	0	20.83	20.83	20.82	20.7	1	
10	256QAM	1	0	19.83	19.95	19.77			
10	256QAM	1	25	19.58	19.51	19.56			
10	256QAM	1	49	19.58	19.60	19.74	20.7	1	
10	256QAM	25	0	19.70	19.88	19.94			
10	256QAM	25	12	19.71	19.77	19.81			
10	256QAM	25	25	19.81	19.75	19.91	21.7	0	
10	256QAM	50	0	19.73	19.84	19.85			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5	21.7	0	
5	QPSK	1	0	20.86	20.95	20.88			
5	QPSK	1	12	20.97	21.02	20.89			
5	QPSK	1	24	20.76	20.64	20.78	21.7	0	
5	QPSK	12	0	20.82	21.00	20.91			
5	QPSK	12	7	20.85	20.79	20.90			
5	QPSK	12	13	20.94	20.80	20.72	21.7	0	
5	QPSK	25	0	20.87	20.94	20.94			
5	16QAM	1	0	21.01	21.03	20.82			
5	16QAM	1	12	20.85	20.90	20.68	21.7	0	
5	16QAM	1	24	20.78	20.83	20.81			
5	16QAM	12	0	20.78	20.74	20.92			
5	16QAM	12	7	20.84	20.72	20.94	21.7	0	
5	16QAM	12	13	20.79	20.80	20.87			
5	16QAM	25	0	20.84	20.94	20.84			
5	64QAM	1	0	20.97	20.95	20.71	21.7	0	
5	64QAM	1	12	20.81	20.77	20.81			
5	64QAM	1	24	20.76	20.62	20.68			
5	64QAM	12	0	20.88	20.85	20.97	21.7	0	
5	64QAM	12	7	20.90	20.76	20.98			
5	64QAM	12	13	20.90	20.87	20.79			
5	64QAM	25	0	20.87	21.05	20.99	20.7	1	
5	256QAM	1	0	19.71	19.92	19.68			
5	256QAM	1	12	19.62	19.55	19.67			
5	256QAM	1	24	19.60	19.43	19.82	20.7	1	
5	256QAM	12	0	19.81	19.99	19.79			
5	256QAM	12	7	19.69	19.80	19.78			
5	256QAM	12	13	19.83	19.71	19.91	20.7	1	
5	256QAM	25	0	19.90	19.64	19.85			
Channel				42110	42590	43060			
Frequency (MHz)				3452	3500	3547	21.7	0	
5	QPSK	1	0	20.86	20.95	20.88			
5	QPSK	1	12	20.97	21.02	20.89			

Band 42 Ant11 DS1f									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	21.15	21.18	21.08	22.5	0	
20	QPSK	1	49	21.03	20.94	20.92			
20	QPSK	1	99	21.16	21.09	21.05			
20	QPSK	50	0	20.05	20.14	20.02	21.5	1	
20	QPSK	50	24	19.94	20.05	20.05			
20	QPSK	50	50	20.06	20.04	20.09			
20	QPSK	100	0	20.07	20.19	20.04	21.5	1	
20	16QAM	1	0	20.07	20.04	20.12			
20	16QAM	1	49	19.79	19.90	19.90			
20	16QAM	1	99	20.07	20.03	19.99	20.5	2	
20	16QAM	50	0	19.13	19.05	19.08			
20	16QAM	50	24	18.93	19.03	19.15			
20	16QAM	50	50	19.03	19.04	19.01	20.5	2	
20	16QAM	100	0	19.08	19.08	18.98			
20	64QAM	1	0	18.92	19.04	19.15			
20	64QAM	1	49	19.09	19.03	19.01	19.5	3	
20	64QAM	1	99	18.84	18.92	18.82			
20	64QAM	50	0	18.05	18.06	18.17			
20	64QAM	50	24	18.07	18.04	18.03	17.5	5	
20	64QAM	50	50	17.94	18.05	18.08			
20	64QAM	100	0	17.99	18.08	18.02			
20	256QAM	1	0	16.08	16.12	16.20	17.5	5	
20	256QAM	1	49	15.96	15.99	15.94			
20	256QAM	1	99	16.17	16.18	15.96			
20	256QAM	50	0	15.99	16.15	16.05	17.5	5	
20	256QAM	50	24	15.91	16.15	16.02			
20	256QAM	50	50	16.02	15.95	15.98			
20	256QAM	100	0	16.17	16.08	16.07			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	21.13	21.06	21.10	22.5	0	
15	QPSK	1	37	20.95	20.88	20.89			
15	QPSK	1	74	21.17	20.91	20.94			
15	QPSK	36	0	19.85	20.07	19.98	21.5	1	
15	QPSK	36	20	19.73	20.07	19.90			
15	QPSK	36	39	19.88	20.04	20.10			
15	QPSK	75	0	20.04	20.01	20.05	21.5	1	
15	16QAM	1	0	19.88	19.82	19.96			
15	16QAM	1	37	19.82	19.70	19.68			
15	16QAM	1	74	20.02	19.99	19.94	20.5	2	
15	16QAM	36	0	18.97	18.92	18.94			
15	16QAM	36	20	18.73	18.88	18.12			
15	16QAM	36	39	18.86	18.99	18.90	20.5	2	
15	16QAM	75	0	19.00	18.89	18.90			
15	64QAM	1	0	18.83	18.83	18.93			
15	64QAM	1	37	19.14	18.93	18.83	19.5	3	
15	64QAM	1	74	18.78	18.81	18.83			
15	64QAM	36	0	17.95	17.86	17.93			
15	64QAM	36	20	17.97	18.07	17.96	17.5	5	
15	64QAM	36	39	17.83	17.95	18.07			
15	64QAM	75	0	17.75	17.94	17.79			
15	256QAM	1	0	16.02	15.96	16.03	17.5	5	
15	256QAM	1	37	15.93	15.91	16.01			
15	256QAM	1	74	16.10	15.80	16.01			
15	256QAM	36	0	15.81	16.00	16.01	17.5	5	
15	256QAM	36	20	15.85	16.16	15.79			
15	256QAM	36	39	15.85	16.15	16.12			
15	256QAM	75	0	15.97	16.10	16.14			
Channel				42160	42590	43010			
Frequency (MHz)				34165	3500	35415			
10	QPSK	1	0	21.01	21.09	20.96	22.5	0	
10	QPSK	1	25	20.81	20.83	20.95			
10	QPSK	1	49	20.99	20.90	20.85			
10	QPSK	25	0	19.92	19.99	19.81	21.5	1	
10	QPSK	25	12	19.76	19.83	19.99			
10	QPSK	25	25	20.07	20.01	19.89			
10	QPSK	50	0	20.14	19.91	19.94	21.5	1	
10	16QAM	1	0	20.04	19.88	20.00			
10	16QAM	1	25	19.83	19.89	19.85			
10	16QAM	1	49	20.02	19.93	19.90	20.5	2	
10	16QAM	25	0	18.93	18.91	19.10			
10	16QAM	25	12	18.72	18.89	19.02			
10	16QAM	25	25	19.00	18.93	19.00	20.5	2	
10	16QAM	50	0	19.07	19.10	18.97			
10	64QAM	1	0	18.76	18.81	18.94			
10	64QAM	1	25	18.88	18.98	18.78	19.5	3	
10	64QAM	1	49	18.76	18.77	18.70			
10	64QAM	25	0	17.94	17.99	18.06			
10	64QAM	25	12	17.83	18.09	18.06	17.5	5	
10	64QAM	25	25	17.82	17.99	18.11			
10	64QAM	50	0	18.00	18.01	17.78			
10	256QAM	1	0	15.99	16.18	15.90	17.5	5	
10	256QAM	1	25	15.79	15.83	16.00			
10	256QAM	1	49	15.98	15.91	15.92			
10	256QAM	25	0	15.90	16.06	15.81	17.5	5	
10	256QAM	25	12	15.71	15.72	15.92			
10	256QAM	25	25	16.03	15.93	15.92			
10	256QAM	50	0	16.22	16.03	15.83			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	21.11	21.05	21.03	22.5	0	
5	QPSK	1	12	20.78	20.85	20.87			
5	QPSK	1	24	21.06	21.04	20.97			
5	QPSK	12	0	19.89	19.82	19.81	21.5	1	
5	QPSK	12	7	19.91	19.87	19.81			
5	QPSK	12	13	20.05	19.97	19.92			
5	QPSK	25	0	19.95	19.99	19.90	21.5	1	
5	16QAM	1	0	19.99	19.83	19.91			
5	16QAM	1	12	19.82	19.88	19.78			
5	16QAM	1	24	19.98	20.08	19.76	20.5	2	
5	16QAM	12	0	19.13	18.98	18.88			
5	16QAM	12	7	18.87	19.03	19.09			
5	16QAM	12	13	18.80	18.83	18.82	20.5	2	
5	16QAM	25	0	19.02	18.90	18.74			
5	64QAM	1	0	18.80	18.86	19.03			
5	64QAM	1	12	19.07	18.94	18.79	19.5	3	
5	64QAM	1	24	18.86	18.90	18.73			
5	64QAM	12	0	17.84	18.09	18.13			
5	64QAM	12	7	18.09	17.99	17.87	17.5	5	
5	64QAM	12	13	17.74	17.97	18.01			
5	64QAM	25	0	17.87	17.95	17.93			
5	256QAM	1	0	16.10	15.97	16.03	17.5	5	
5	256QAM	1	12	15.81	15.76	15.89			
5	256QAM	1	24	16.15	15.95	15.86			
5	256QAM	12	0	15.91	15.72	15.70	17.5	5	
5	256QAM	12	7	15.88	15.79	15.76			
5	256QAM	12	13	16.08	16.03	15.84			
5	256QAM	25	0	16.02	16.04	15.79			

Band 48 Ant11 DS1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	18.63	18.73	18.75	18.63	20	0
20	QPSK	1	49	18.55	18.71	18.55	18.52		
20	QPSK	1	99	18.70	18.60	18.58	18.57		
20	QPSK	50	0	17.72	17.85	17.87	17.64		
20	QPSK	50	24	17.79	17.61	17.63	17.71	19	1
20	QPSK	50	50	17.65	17.65	17.71	17.78		
20	QPSK	100	0	17.76	17.82	17.88	17.74		
20	16QAM	1	0	17.81	17.57	17.77	17.73		
20	16QAM	1	49	17.85	17.89	17.85	17.83	19	1
20	16QAM	1	99	17.76	17.87	17.86	17.82		
20	16QAM	50	0	16.67	16.68	16.81	16.72		
20	16QAM	50	24	16.68	16.77	16.67	16.83		
20	16QAM	50	50	16.83	16.74	16.63	16.64	18	2
20	16QAM	100	0	16.67	16.70	16.73	16.83		
20	64QAM	1	0	16.63	16.45	16.66	16.48		
20	64QAM	1	49	16.58	16.66	16.41	16.56		
20	64QAM	1	99	16.41	16.38	16.40	16.58	18	2
20	64QAM	50	0	15.78	15.68	15.79	15.74		
20	64QAM	50	24	15.67	15.90	15.88	15.74		
20	64QAM	50	50	15.75	15.66	15.72	15.71		
20	64QAM	100	0	15.77	15.79	15.77	15.94	17	3
20	256QAM	1	0	13.66	13.74	13.49	13.60		
20	256QAM	1	49	13.61	13.80	13.64	13.64		
20	256QAM	1	99	13.77	13.53	13.49	13.61		
20	256QAM	50	0	13.82	13.86	13.54	13.55	15	5
20	256QAM	50	24	13.89	13.51	13.63	13.61		
20	256QAM	50	50	13.71	13.57	13.82	13.86		
20	256QAM	100	0	13.76	13.77	13.80	13.83		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	18.48	18.30	18.46	18.53	20	0
15	QPSK	1	37	18.48	18.50	18.40	18.52		
15	QPSK	1	74	18.61	18.40	18.46	18.61		
15	QPSK	36	0	17.58	17.54	17.60	17.60		
15	QPSK	36	20	17.71	17.59	17.64	17.62	19	1
15	QPSK	36	39	17.61	17.70	17.72	17.82		
15	QPSK	75	0	17.67	17.66	17.73	17.71		
15	16QAM	1	0	17.62	17.51	17.70	17.71		
15	16QAM	1	37	17.77	17.76	17.75	17.70	19	1
15	16QAM	1	74	17.68	17.63	17.82	17.79		
15	16QAM	36	0	16.64	16.45	16.61	16.58		
15	16QAM	36	20	16.48	16.71	16.75	16.68		
15	16QAM	36	39	16.58	16.72	16.59	16.51	18	2
15	16QAM	75	0	16.46	16.61	16.60	16.62		
15	64QAM	1	0	16.46	16.33	16.68	16.47		
15	64QAM	1	37	16.61	16.67	16.36	16.61		
15	64QAM	1	74	16.43	16.37	16.45	16.37	18	2
15	64QAM	36	0	15.76	15.61	15.78	15.71		
15	64QAM	36	20	15.55	15.77	15.75	15.67		
15	64QAM	36	39	15.50	15.58	15.68	15.57		
15	64QAM	75	0	15.56	15.61	15.55	15.84	17	3
15	256QAM	1	0	13.56	13.37	13.48	13.60		
15	256QAM	1	37	13.40	13.46	13.52	13.63		
15	256QAM	1	74	13.60	13.43	13.44	13.71		
15	256QAM	36	0	13.63	13.64	13.71	13.61	15	5
15	256QAM	36	20	13.61	13.59	13.63	13.64		
15	256QAM	36	39	13.69	13.58	13.77	13.83		
15	256QAM	75	0	13.59	13.78	13.67	13.60		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	18.45	18.35	18.49	18.63	20	0
10	QPSK	1	25	18.41	18.72	18.48	18.33		
10	QPSK	1	49	18.60	18.49	18.60	18.66		
10	QPSK	25	0	17.63	17.63	17.41	17.57		
10	QPSK	25	12	17.67	17.76	17.66	17.49	19	1
10	QPSK	25	25	17.52	17.42	17.54	17.58		
10	QPSK	50	0	17.81	17.51	17.66	17.66		
10	16QAM	1	0	17.86	17.59	17.72	17.66		
10	16QAM	1	25	17.87	17.78	17.78	17.93	19	1
10	16QAM	1	49	17.55	17.71	17.89	17.83		
10	16QAM	25	0	16.68	16.55	16.70	16.67		
10	16QAM	25	12	16.49	16.56	16.67	16.83		
10	16QAM	25	25	16.83	16.60	16.56	16.58	18	2
10	16QAM	50	0	16.60	16.56	16.74	16.78		
10	64QAM	1	0	16.43	16.41	16.47	16.32		
10	64QAM	1	25	16.35	16.67	16.43	16.44		
10	64QAM	1	49	16.44	16.37	16.36	16.38	18	2
10	64QAM	25	0	15.58	15.68	15.58	15.56		
10	64QAM	25	12	15.53	15.71	15.79	15.77		
10	64QAM	25	25	15.63	15.44	15.69	15.74		
10	64QAM	50	0	15.71	15.54	15.56	15.84	17	3
10	256QAM	1	0	13.50	13.38	13.41	13.66		
10	256QAM	1	25	13.33	13.64	13.53	13.42		
10	256QAM	1	49	13.70	13.40	13.71	13.62		
10	256QAM	25	0	13.54	13.57	13.52	13.48	15	5
10	256QAM	25	12	13.79	13.75	13.62	13.49		
10	256QAM	25	25	13.42	13.48	13.58	13.60		
10	256QAM	50	0	13.74	13.60	13.70	13.55		
Channel				55265	55870	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3692.5		
5	QPSK	1	0	18.54	18.50	18.48	18.67	20	0
5	QPSK	1	12	18.36	18.57	18.41	18.49		
5	QPSK	1	24	18.62	18.50	18.45	18.72		
5	QPSK	12	0	17.63	17.51	17.57	17.41		
5	QPSK	12	7	17.73	17.59	17.60	17.61	19	1
5	QPSK	12	13	17.45	17.43	17.65	17.68		
5	QPSK	25	0	17.66	17.75	17.52	17.82		
5	16QAM	1	0	17.60	17.56	17.79	17.74		
5	16QAM	1	12	17.78	17.77	17.79	17.77	19	1
5	16QAM	1	24	17.51	17.67	17.89	17.78		
5	16QAM	12	0	16.55	16.48	16.63	16.75		
5	16QAM	12	7	16.59	16.66	16.69	16.60		
5	16QAM	12	13	16.83	16.54	16.68	16.45	18	2
5	16QAM	25	0	16.61	16.58	16.71	16.85		
5	64QAM	1	0	16.39	16.48	16.57	16.28		
5	64QAM	1	12	16.62	16.59	16.34	16.38		
5	64QAM	12	0	15.58	15.65	15.81	15.79	17	3
5	64QAM	12	7	15.54	15.80	15.69	15.55		
5	64QAM	12	13	15.77	15.61	15.59	15.56		
5	64QAM	25	0	15.64	15.74	15.74	15.88		
5	256QAM	1	0	13.61	13.51	13.37	13.55	15	5
5	256QAM	1	12	13.38	13.62	13.43	13.61		
5	256QAM	1	24	13.66	13.42	13.57	13.66		
5	256QAM	12	0	13.62	13.61	13.58	13.51		
5	256QAM	12	7	13.73	13.65	13.71	13.62	15	5
5	256QAM	12	13	13.56	13.50	13.63	13.58		
5	256QAM	25	0	13.60	13.83	13.46	13.80		

Band 42 Ant12 DS1i									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.33	20.35	20.27	22	0	
20	QPSK	1	49	20.12	20.20	20.16			
20	QPSK	1	99	20.21	20.19	20.20			
20	QPSK	50	0	19.38	19.41	19.36	21	1	
20	QPSK	50	24	19.33	19.33	19.32			
20	QPSK	50	50	19.30	19.27	19.26			
20	QPSK	100	0	19.29	19.34	19.23	21	1	
20	16QAM	1	0	19.26	19.45	19.28			
20	16QAM	1	49	19.39	19.37	19.34			
20	16QAM	1	99	19.25	19.44	19.34	20	2	
20	16QAM	50	0	18.46	18.33	18.37			
20	16QAM	50	24	18.35	18.33	18.25			
20	16QAM	50	50	18.22	18.30	18.22	20	2	
20	16QAM	100	0	18.33	18.29	18.35			
20	64QAM	1	0	18.20	18.17	18.28			
20	64QAM	1	49	18.07	18.19	18.22	19	3	
20	64QAM	1	99	18.12	18.10	18.21			
20	64QAM	50	0	17.40	17.38	17.36			
20	64QAM	50	24	17.37	17.29	17.22	17	5	
20	64QAM	50	50	17.23	17.25	17.21			
20	64QAM	100	0	17.38	17.23	17.21			
20	256QAM	1	0	15.35	15.41	15.26	17	5	
20	256QAM	1	49	15.19	15.09	15.11			
20	256QAM	1	99	15.12	15.29	15.25			
20	256QAM	50	0	15.43	15.50	15.37	17	5	
20	256QAM	50	24	15.33	15.40	15.30			
20	256QAM	50	50	15.36	15.25	15.36			
20	256QAM	100	0	15.30	15.28	15.19			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.13	20.20	20.10	22	0	
15	QPSK	1	37	20.12	20.07	20.05			
15	QPSK	1	74	20.05	20.13	20.03			
15	QPSK	36	0	19.27	19.28	19.34	21	1	
15	QPSK	36	20	19.25	19.26	19.25			
15	QPSK	36	39	19.22	19.10	19.09			
15	QPSK	75	0	19.23	19.13	19.15	21	1	
15	16QAM	1	0	19.19	19.36	19.20			
15	16QAM	1	37	19.31	19.23	19.03			
15	16QAM	1	74	19.08	19.31	19.20	20	2	
15	16QAM	36	0	18.40	18.23	18.30			
15	16QAM	36	20	18.22	18.24	18.07			
15	16QAM	36	39	18.15	18.17	18.04	20	2	
15	16QAM	75	0	18.29	18.17	18.24			
15	64QAM	1	0	18.03	18.06	18.16			
15	64QAM	1	37	18.08	18.15	18.26	20	2	
15	64QAM	1	74	18.10	18.17	18.01			
15	64QAM	36	0	17.35	17.33	17.19			
15	64QAM	36	20	17.33	17.13	17.14	19	3	
15	64QAM	36	39	17.12	17.21	17.16			
15	64QAM	75	0	17.25	17.18	17.11			
15	256QAM	1	0	15.20	15.29	15.05	17	5	
15	256QAM	1	37	15.07	15.00	15.08			
15	256QAM	1	74	15.05	15.16	15.00			
15	256QAM	36	0	15.24	15.24	15.35	17	5	
15	256QAM	36	20	15.28	15.24	15.35			
15	256QAM	36	39	15.25	15.11	15.23			
15	256QAM	75	0	15.30	15.18	15.12			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.12	20.08	20.10	22	0	
10	QPSK	1	25	20.00	20.07	20.06			
10	QPSK	1	49	20.08	20.13	20.06			
10	QPSK	25	0	19.18	19.08	19.12	21	1	
10	QPSK	25	12	19.09	19.14	19.13			
10	QPSK	25	25	19.23	19.11	19.09			
10	QPSK	50	0	19.16	19.20	19.08	21	1	
10	16QAM	1	0	19.11	19.35	19.12			
10	16QAM	1	25	19.42	19.40	19.09			
10	16QAM	1	49	19.00	19.15	19.12	20	2	
10	16QAM	25	0	18.27	18.11	18.14			
10	16QAM	25	12	18.17	18.14	18.00			
10	16QAM	25	25	18.13	18.19	18.05	20	2	
10	16QAM	50	0	18.16	18.12	18.15			
10	64QAM	1	0	18.11	18.03	18.17			
10	64QAM	1	25	18.10	18.25	18.26	19	3	
10	64QAM	1	49	18.09	18.18	18.08			
10	64QAM	25	0	17.24	17.19	17.07			
10	64QAM	25	12	17.22	17.20	17.10	17	5	
10	64QAM	25	25	17.10	17.14	17.15			
10	64QAM	50	0	17.18	17.04	17.04			
10	256QAM	1	0	15.13	15.18	15.07	17	5	
10	256QAM	1	25	15.06	15.19	15.07			
10	256QAM	1	49	15.11	15.10	15.16			
10	256QAM	25	0	15.17	15.09	15.12	17	5	
10	256QAM	25	12	15.01	15.03	15.23			
10	256QAM	25	25	15.33	15.19	15.11			
10	256QAM	50	0	15.25	15.30	15.04			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.20	20.10	20.00	22	0	
5	QPSK	1	12	20.03	20.15	20.07			
5	QPSK	1	24	20.08	20.13	20.07			
5	QPSK	12	0	19.16	19.13	19.20	21	1	
5	QPSK	12	7	19.09	19.06	19.06			
5	QPSK	12	13	19.13	19.10	19.19			
5	QPSK	25	0	19.23	19.20	19.07	21	1	
5	16QAM	1	0	19.10	19.30	19.24			
5	16QAM	1	12	19.27	19.27	19.03			
5	16QAM	1	24	19.06	19.27	19.04	20	2	
5	16QAM	12	0	18.26	18.13	18.15			
5	16QAM	12	7	18.05	18.13	18.01			
5	16QAM	12	13	18.06	18.23	18.18	20	2	
5	16QAM	25	0	18.13	18.08	18.06			
5	64QAM	1	0	18.14	18.04	18.22			
5	64QAM	1	12	18.10	18.22	18.21	20	2	
5	64QAM	1	24	18.03	18.12	18.06			
5	64QAM	12	0	17.15	17.09	17.13			
5	64QAM	12	7	17.27	17.13	17.11	19	3	
5	64QAM	12	13	17.14	17.10	17.14			
5	64QAM	25	0	17.21	17.06	17.05			
5	256QAM	1	0	15.34	15.22	15.01	17	5	
5	256QAM	1	12	15.05	15.10	15.03			
5	256QAM	1	24	15.32	15.17	15.10			
5	256QAM	12	0	15.18	15.13	15.31	17	5	
5	256QAM	12	7	15.10	15.07	15.08			
5	256QAM	12	13	15.06	15.17	15.28			
5	256QAM	25	0	15.23	15.09	15.11			

Band 48 Ant12 DS1i										
BW [MHz]	Modulation	RB Size	RB Offset		Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					55340	55830	56150	56640		
Frequency (MHz)					3560	3609	3641	3690		
20	QPSK	1	0		17.69	17.78	17.79	17.58	19.5	0
20	QPSK	1	49		17.72	17.72	17.59	17.67		
20	QPSK	1	99		17.74	17.74	17.54	17.63		
20	QPSK	50	0		16.89	16.93	16.99	16.90		
20	QPSK	50	24		16.87	16.88	16.81	16.90	18.5	1
20	QPSK	50	50		16.75	16.78	16.85	16.79		
20	QPSK	100	0		16.81	16.86	16.87	16.83		
20	16QAM	1	0		16.96	16.77	16.84	16.80		
20	16QAM	1	49		16.59	16.72	16.68	16.86	18.5	1
20	16QAM	1	99		16.60	16.73	16.71	16.61		
20	16QAM	50	0		15.92	15.91	15.84	15.93		
20	16QAM	50	24		15.86	15.96	15.90	15.82		
20	16QAM	50	50		15.76	15.83	15.84	15.81	17.5	2
20	16QAM	100	0		15.91	15.83	15.89	15.79		
20	64QAM	1	0		15.74	15.69	15.75	15.71		
20	64QAM	1	49		15.78	15.77	15.67	15.50		
20	64QAM	1	99		15.54	15.65	15.66	15.56	17.5	2
20	64QAM	50	0		14.82	14.99	14.84	14.81		
20	64QAM	50	24		14.85	14.82	14.95	14.93		
20	64QAM	50	50		14.68	14.84	14.80	14.85		
20	64QAM	100	0		14.90	14.80	14.87	14.81	16.5	3
20	256QAM	1	0		12.69	12.76	12.76	12.59		
20	256QAM	1	49		12.73	12.82	12.60	12.66		
20	256QAM	1	99		12.70	12.54	12.65	12.64		
20	256QAM	50	0		12.94	12.86	12.80	12.81	14.5	5
20	256QAM	50	24		12.86	12.80	12.76	12.81		
20	256QAM	50	50		12.76	12.88	12.86	12.67		
20	256QAM	100	0		12.88	12.81	12.91	12.84		
Channel					55315	55820	56160	56655	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3557.5	3608	3642	3692.5		
15	QPSK	1	0		17.76	17.71	17.75	17.58	19.5	0
15	QPSK	1	37		17.86	17.77	17.76	17.64		
15	QPSK	1	74		17.72	17.81	17.56	17.61		
15	QPSK	36	0		16.79	16.83	16.85	16.84		
15	QPSK	36	20		16.71	16.71	16.66	16.77	18.5	1
15	QPSK	36	39		16.58	16.62	16.72	16.69		
15	QPSK	75	0		16.72	16.76	16.70	16.76		
15	16QAM	1	0		16.77	16.60	16.79	16.74		
15	16QAM	1	37		16.54	16.55	16.62	16.72	18.5	1
15	16QAM	1	74		16.64	16.78	16.67	16.57		
15	16QAM	36	0		15.81	15.79	15.75	15.84		
15	16QAM	36	20		15.79	15.78	15.73	15.67		
15	16QAM	36	39		15.65	15.69	15.77	15.71	17.5	2
15	16QAM	75	0		15.83	15.70	15.72	15.67		
15	64QAM	1	0		15.57	15.65	15.78	15.67		
15	64QAM	1	37		15.72	15.83	15.56	15.52		
15	64QAM	1	74		15.52	15.59	15.51	15.54	17.5	2
15	64QAM	36	0		14.67	14.90	14.74	14.72		
15	64QAM	36	20		14.74	14.64	14.80	14.81		
15	64QAM	36	39		14.56	14.71	14.70	14.76		
15	64QAM	75	0		14.76	14.69	14.73	14.74	16.5	3
15	256QAM	1	0		12.83	12.59	12.86	12.63		
15	256QAM	1	37		12.72	12.91	12.62	12.60		
15	256QAM	1	74		12.81	12.50	12.52	12.50		
15	256QAM	36	0		12.81	12.75	12.81	12.93	14.5	5
15	256QAM	36	20		12.82	12.81	12.64	12.87		
15	256QAM	36	39		12.69	12.62	12.78	12.62		
15	256QAM	75	0		12.70	12.85	12.66	12.78		
Channel					55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3555	3607.5	3642.5	3695		
10	QPSK	1	0		17.64	17.71	17.70	17.52	19.5	0
10	QPSK	1	25		17.66	17.75	17.59	17.61		
10	QPSK	1	49		17.67	17.70	17.55	17.67		
10	QPSK	25	0		16.89	16.77	16.84	16.75		
10	QPSK	25	12		16.73	16.81	16.74	16.80	18.5	1
10	QPSK	25	25		16.71	16.71	16.73	16.72		
10	QPSK	50	0		16.71	16.65	16.73	16.75		
10	16QAM	1	0		16.72	16.71	16.70	16.65		
10	16QAM	1	25		16.59	16.71	16.65	16.88	18.5	1
10	16QAM	1	49		16.59	16.69	16.73	16.63		
10	16QAM	25	0		15.75	15.75	15.73	15.86		
10	16QAM	25	12		15.81	15.90	15.74	15.76		
10	16QAM	25	25		15.66	15.76	15.73	15.70	17.5	2
10	16QAM	50	0		15.76	15.73	15.76	15.72		
10	64QAM	1	0		15.63	15.60	15.74	15.64		
10	64QAM	1	25		15.73	15.89	15.63	15.54		
10	64QAM	1	49		15.56	15.62	15.74	15.59	17.5	2
10	64QAM	25	0		14.65	14.85	14.72	14.76		
10	64QAM	25	12		14.69	14.68	14.86	14.89		
10	64QAM	25	25		14.56	14.78	14.69	14.70		
10	64QAM	50	0		14.81	14.76	14.70	14.64	16.5	3
10	256QAM	1	0		12.74	12.65	12.66	12.50		
10	256QAM	1	25		12.72	12.76	12.53	12.57		
10	256QAM	1	49		12.72	12.76	12.53	12.57		
10	256QAM	25	0		12.71	12.71	12.69	12.73	14.5	5
10	256QAM	25	12		12.74	12.77	12.78	12.82		
10	256QAM	25	25		12.62	12.71	12.77	12.76		
10	256QAM	50	0		12.67	12.58	12.62	12.75		
Channel					55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3552.5	3607	3643	3692.5		
5	QPSK	1	0		17.67	17.68	17.62	17.56	19.5	0
5	QPSK	1	12		17.76	17.67	17.59	17.63		
5	QPSK	1	24		17.64	17.74	17.70	17.61		
5	QPSK	12	0		16.85	16.85	16.73	16.73		
5	QPSK	12	7		16.70	16.73	16.72	16.76	18.5	1
5	QPSK	12	13		16.70	16.73	16.74	16.62		
5	QPSK	25	0		16.77	16.65	16.68	16.79		
5	16QAM	1	0		16.76	16.69	16.76	16.70		
5	16QAM	1	12		16.59	16.76	16.63	16.88	18.5	1
5	16QAM	1	24		16.58	16.80	16.74	16.66		
5	16QAM	12	0		15.75	15.86	15.79	15.77		
5	16QAM	12	7		15.69	15.91	15.76	15.76		
5	16QAM	12	13		15.70	15.69	15.66	15.64	17.5	2
5	16QAM	25	0		15.83	15.66	15.77	15.65		
5	64QAM	1	0		15.59	15.51	15.70	15.74		
5	64QAM	1	12		15.72	15.84	15.69	15.50		
5	64QAM	1	24		15.59	15.70	15.69	15.53	16.5	3
5	64QAM	12	7		14.76	14.90	14.68	14.63		
5	64QAM	12	7		14.75	14.66	14.78	14.85		
5	64QAM	12	13		14.55	14.74	14.73	14.79		
5	64QAM	25	0		14.80	14.65	14.74	14.70	14.5	5
5	256QAM	1	0		12.75	12.57	12.78	12.64		
5	256QAM	1	12		12.70	12.81	12.68	12.61		
5	256QAM	1	24		12.60	12.57	12.56	12.65		
5	256QAM	12	0		12.81	12.77	12.83	12.62	14.5	5
5	256QAM	12	7		12.73	12.73	12.62	12.77		
5	256QAM	12	13		12.76	12.70	12.67	12.70		
5	256QAM	25	0		12.84	12.69	12.79	12.75		

Band 42 Ant13 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	25.7	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	24.83	24.85	24.71			
20	QPSK	1	49	24.78	24.77	24.82	24.7	1	
20	QPSK	1	99	24.74	24.82	24.62			
20	QPSK	50	0	23.77	23.97	23.82			
20	QPSK	50	24	23.76	23.90	23.94	24.7	1	
20	QPSK	50	50	23.76	23.86	23.82			
20	QPSK	100	0	23.75	23.88	23.87			
20	16QAM	1	0	24.06	23.93	23.96	24.7	1	
20	16QAM	1	49	23.93	23.81	23.67			
20	16QAM	1	99	23.82	23.83	23.72			
20	16QAM	50	0	23.09	22.94	22.88	23.7	2	
20	16QAM	50	24	22.89	22.90	22.77			
20	16QAM	50	50	22.82	22.84	22.76			
20	16QAM	100	0	22.96	22.91	23.03	23.7	2	
20	64QAM	1	0	22.79	22.85	22.73			
20	64QAM	1	49	22.77	22.77	22.88			
20	64QAM	1	99	22.79	22.67	22.58	22.7	3	
20	64QAM	50	0	22.03	21.91	21.92			
20	64QAM	50	24	21.90	21.93	21.94			
20	64QAM	50	50	21.98	21.86	21.71	20.7	5	
20	64QAM	100	0	21.97	21.87	21.74			
20	256QAM	1	0	19.75	19.86	19.68			
20	256QAM	1	49	19.83	19.81	19.78	20.7	5	
20	256QAM	1	99	19.72	19.85	19.58			
20	256QAM	50	0	19.70	19.90	19.89			
20	256QAM	50	24	19.86	19.96	19.88	20.7	5	
20	256QAM	50	50	19.68	19.78	19.72			
20	256QAM	100	0	19.80	19.89	19.80			
Channel				42165	42590	43015	25.7	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	24.61	24.69	24.57			
15	QPSK	1	37	24.75	24.70	24.71	24.7	1	
15	QPSK	1	74	24.64	24.83	24.44			
15	QPSK	36	0	23.55	23.86	23.85			
15	QPSK	36	20	23.74	23.83	23.81	24.7	1	
15	QPSK	36	39	23.53	23.77	23.63			
15	QPSK	75	0	23.65	23.82	23.76			
15	16QAM	1	0	23.93	23.93	23.76	24.7	1	
15	16QAM	1	37	23.83	23.74	23.69			
15	16QAM	1	74	23.75	23.72	23.76			
15	16QAM	36	0	22.94	22.81	22.75	23.7	2	
15	16QAM	36	20	22.68	22.76	22.62			
15	16QAM	36	39	22.58	22.66	22.56			
15	16QAM	75	0	22.89	22.79	22.85	23.7	2	
15	64QAM	1	0	22.75	22.65	22.60			
15	64QAM	1	37	22.82	22.79	22.92			
15	64QAM	1	74	22.79	22.63	22.55	22.7	3	
15	64QAM	36	0	21.82	21.85	21.97			
15	64QAM	36	20	21.72	21.87	21.92			
15	64QAM	36	39	21.96	21.69	21.63	20.7	5	
15	64QAM	75	0	21.73	21.70	21.61			
15	256QAM	1	0	19.68	19.77	19.66			
15	256QAM	1	37	19.74	19.58	19.62	20.7	5	
15	256QAM	1	74	19.67	19.89	19.53			
15	256QAM	36	0	19.58	19.93	19.73			
15	256QAM	36	20	19.80	19.90	19.86	20.7	5	
15	256QAM	36	39	19.54	19.71	19.59			
15	256QAM	75	0	19.74	19.89	19.71			
Channel				42160	42590	43010	25.7	0	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	24.64	24.67	24.62			
10	QPSK	1	25	24.80	24.67	24.83	24.7	1	
10	QPSK	1	49	24.76	24.64	24.46			
10	QPSK	25	0	23.82	23.75	23.63			
10	QPSK	25	12	23.63	23.75	24.00	24.7	1	
10	QPSK	25	25	23.75	23.65	23.62			
10	QPSK	50	0	23.52	23.85	23.71			
10	16QAM	1	0	23.94	23.79	23.78	24.7	1	
10	16QAM	1	25	23.84	23.61	23.60			
10	16QAM	1	49	23.61	23.59	23.59			
10	16QAM	25	0	22.72	22.85	22.67	23.7	2	
10	16QAM	25	12	22.76	22.73	22.71			
10	16QAM	25	25	22.73	22.74	22.53			
10	16QAM	50	0	22.93	22.76	22.89	23.7	2	
10	64QAM	1	0	22.70	22.79	22.64			
10	64QAM	1	25	22.57	22.57	22.82			
10	64QAM	1	49	22.74	22.49	22.45	22.7	3	
10	64QAM	25	0	22.01	21.89	21.83			
10	64QAM	25	12	21.84	21.89	21.98			
10	64QAM	25	25	22.01	21.68	21.64	20.7	5	
10	64QAM	50	0	21.88	21.70	21.64			
10	256QAM	1	0	19.76	19.73	19.69			
10	256QAM	1	25	19.88	19.55	19.74	20.7	5	
10	256QAM	1	49	19.84	19.72	19.55			
10	256QAM	25	0	19.76	19.73	19.68			
10	256QAM	25	12	19.73	19.77	19.91	20.7	5	
10	256QAM	25	25	19.74	19.67	19.66			
10	256QAM	50	0	19.47	19.78	19.82			
Channel				42115	42590	43065	25.7	0	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	24.79	24.79	24.49			
5	QPSK	1	12	24.66	24.73	24.61	24.7	1	
5	QPSK	1	24	24.60	24.67	24.54			
5	QPSK	12	0	23.69	23.72	23.75			
5	QPSK	12	7	23.76	23.79	23.84	24.7	1	
5	QPSK	12	13	23.54	23.72	23.61			
5	QPSK	25	0	23.59	23.81	23.72			
5	16QAM	1	0	23.83	23.90	24.00	24.7	1	
5	16QAM	1	12	23.96	23.76	23.63			
5	16QAM	1	24	23.71	23.67	23.61			
5	16QAM	12	0	22.88	22.79	22.72	23.7	2	
5	16QAM	12	7	22.76	22.68	22.64			
5	16QAM	12	13	22.71	22.86	22.62			
5	16QAM	25	0	22.88	22.88	22.90	23.7	2	
5	64QAM	1	0	22.65	22.70	22.55			
5	64QAM	1	12	22.78	22.59	22.63			
5	64QAM	1	24	22.60	22.71	22.53	22.7	3	
5	64QAM	12	0	21.89	21.90	21.85			
5	64QAM	12	7	21.77	21.84	21.98			
5	64QAM	12	13	22.02	21.70	21.65	20.7	5	
5	64QAM	25	0	21.85	21.92	21.78			
5	256QAM	1	0	19.69	19.75	19.44			
5	256QAM	1	12	19.76	19.76	19.67	20.7	5	
5	256QAM	1	24	19.71	19.76	19.46			
5	256QAM	12	0	19.74	19.61	19.68			
5	256QAM	12	7	19.71	19.84	19.74	20.7	5	
5	256QAM	12	13	19.59	19.84	19.50			
5	256QAM	25	0	19.52	19.75	19.69			

Band 48 Ant13 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	23.5	0
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.27	22.38	22.42	22.26		
20	QPSK	1	49	22.28	22.36	22.30	22.24	22.5	1
20	QPSK	1	99	22.36	22.33	22.18	22.33		
20	QPSK	50	0	21.23	21.42	21.47	21.38		
20	QPSK	50	24	21.29	21.33	21.45	21.31	22.5	1
20	QPSK	50	50	21.22	21.41	21.23	21.46		
20	QPSK	100	0	21.37	21.51	21.63	21.35		
20	16QAM	1	0	21.29	21.17	21.30	21.41	22.5	1
20	16QAM	1	49	21.23	21.27	21.15	21.27		
20	16QAM	1	99	21.31	21.09	21.33	21.09		
20	16QAM	50	0	20.41	20.29	20.38	20.30	21.5	2
20	16QAM	50	24	20.48	20.31	20.40	20.29		
20	16QAM	50	50	20.42	20.42	20.26	20.36		
20	16QAM	100	0	20.51	20.41	20.28	20.50	21.5	2
20	64QAM	1	0	20.31	20.31	20.24	20.07		
20	64QAM	1	49	20.21	20.09	20.15	20.35		
20	64QAM	1	99	20.23	20.44	20.45	20.23	20.5	3
20	64QAM	50	0	19.29	19.39	19.22	19.23		
20	64QAM	50	24	19.29	19.48	19.43	19.36		
20	64QAM	50	50	19.29	19.47	19.46	19.44	18.5	5
20	64QAM	100	0	19.30	19.52	19.33	19.57		
20	256QAM	1	0	17.24	17.30	17.15	17.33		
20	256QAM	1	49	17.38	17.31	17.28	17.22	18.5	5
20	256QAM	1	99	17.43	17.45	17.22	17.27		
20	256QAM	50	0	17.30	17.57	17.31	17.46		
20	256QAM	50	24	17.25	17.40	17.50	17.23	18.5	5
20	256QAM	50	50	17.20	17.37	17.22	17.44		
20	256QAM	100	0	17.29	17.60	17.37	17.37		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3657.5	3608	3642	3692.5	23.5	0
15	QPSK	1	0	22.14	22.06	22.08	22.30		
15	QPSK	1	37	22.07	22.15	22.09	22.23		
15	QPSK	1	74	22.35	22.23	21.99	22.13	22.5	1
15	QPSK	36	0	21.06	21.04	21.09	21.31		
15	QPSK	36	20	21.08	21.14	21.28	21.08		
15	QPSK	36	39	21.17	21.34	21.02	21.27	22.5	1
15	QPSK	75	0	21.39	21.20	21.37	21.15		
15	16QAM	1	0	21.10	21.16	21.27	21.27		
15	16QAM	1	37	21.22	21.30	21.11	21.31	21.5	2
15	16QAM	1	74	21.22	20.97	21.19	21.05		
15	16QAM	36	0	20.44	20.21	20.17	20.10		
15	16QAM	36	20	20.42	20.06	20.44	20.32	21.5	2
15	16QAM	36	39	20.39	20.27	20.12	20.39		
15	16QAM	75	0	20.27	20.31	20.14	20.43		
15	64QAM	1	0	20.31	20.25	20.23	20.17	21.5	2
15	64QAM	1	37	20.23	19.96	20.15	20.35		
15	64QAM	1	74	20.14	20.33	20.33	20.24		
15	64QAM	36	0	19.17	19.19	19.22	19.06	20.5	3
15	64QAM	36	20	19.08	19.38	19.25	19.12		
15	64QAM	36	39	19.16	19.31	19.40	19.34		
15	64QAM	75	0	19.09	19.30	19.11	19.59	18.5	5
15	256QAM	1	0	17.11	17.05	17.02	17.23		
15	256QAM	1	37	17.12	17.09	17.08	17.09		
15	256QAM	1	74	17.24	17.34	17.04	17.16	18.5	5
15	256QAM	36	0	17.15	17.14	17.31	17.30		
15	256QAM	36	20	17.01	17.10	17.21	17.10		
15	256QAM	36	39	17.16	17.33	16.96	17.33	18.5	5
15	256QAM	75	0	17.30	17.17	17.44	17.19		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695	23.5	0
10	QPSK	1	0	22.17	22.06	22.09	22.25		
10	QPSK	1	25	22.09	22.30	22.07	22.23		
10	QPSK	1	49	22.23	22.35	22.06	22.15	22.5	1
10	QPSK	25	0	21.06	21.02	21.32	21.36		
10	QPSK	25	12	21.04	21.27	21.35	21.11		
10	QPSK	25	25	21.17	21.31	21.18	21.37	22.5	1
10	QPSK	50	0	21.50	21.29	21.26	21.27		
10	16QAM	1	0	21.24	20.92	21.21	21.22		
10	16QAM	1	25	21.00	21.03	21.04	21.20	21.5	2
10	16QAM	1	49	21.07	21.06	21.17	20.92		
10	16QAM	25	0	20.17	20.22	20.29	20.33		
10	16QAM	12	0	20.31	20.07	20.35	20.30	21.5	2
10	16QAM	25	25	20.31	20.25	20.11	20.37		
10	16QAM	50	0	20.34	20.45	20.32	20.36		
10	64QAM	1	0	20.24	20.07	20.21	19.86	21.5	2
10	64QAM	1	25	20.21	19.86	19.99	20.19		
10	64QAM	1	49	20.12	20.13	20.16	20.06		
10	64QAM	25	0	19.33	19.36	19.14	19.27	20.5	3
10	64QAM	25	12	19.08	19.23	19.38	19.25		
10	64QAM	25	25	19.27	19.42	19.21	19.42		
10	64QAM	50	0	19.22	19.41	19.29	19.51	18.5	5
10	256QAM	1	0	17.25	17.14	17.13	17.17		
10	256QAM	1	25	17.00	17.35	17.05	17.22		
10	256QAM	1	49	17.28	17.26	16.96	17.16	18.5	5
10	256QAM	25	0	17.13	17.08	17.37	17.36		
10	256QAM	25	12	17.10	17.30	17.39	17.17		
10	256QAM	25	25	17.17	17.30	17.15	17.29	18.5	5
10	256QAM	50	0	17.48	17.39	17.27	17.33		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3562.5	3607	3643	3697.5	23.5	0
5	QPSK	1	0	22.26	22.19	22.13	22.27		
5	QPSK	1	12	22.29	22.17	22.07	22.03		
5	QPSK	1	24	22.25	22.10	22.19	22.11	22.5	1
5	QPSK	12	0	21.17	21.15	21.14	21.30		
5	QPSK	12	7	21.04	21.33	21.36	21.29		
5	QPSK	12	13	21.24	21.38	21.10	21.31	22.5	1
5	QPSK	25	0	21.42	21.20	21.26	21.33		
5	16QAM	1	0	21.19	21.09	21.10	21.19		
5	16QAM	1	12	21.11	21.03	21.09	21.25	21.5	2
5	16QAM	1	24	21.24	20.92	21.15	21.10		
5	16QAM	12	0	20.30	20.04	20.40	20.23		
5	16QAM	12	7	20.26	20.35	20.42	20.18	21.5	2
5	16QAM	12	13	20.28	20.27	20.03	20.07		
5	16QAM	25	0	20.48	20.38	20.20	20.47		
5	64QAM	1	0	20.24	20.28	20.16	19.96	21.5	2
5	64QAM	1	12	19.97	19.89	20.01	20.25		
5	64QAM	1	24	20.00	20.25	20.24	20.08		
5	64QAM	12	0	19.13	19.32	19.18	19.14	20.5	3
5	64QAM	12	7	19.33	19.26	19.31	19.40		
5	64QAM	12	13	19.39	19.39	19.29	19.23		
5	64QAM	25	0	19.24	19.31	19.29	19.61	18.5	5
5	256QAM	1	0	17.30	17.18	17.11	17.39		
5	256QAM	1	12	17.24	17.28	17.07	17.13		
5	256QAM	1	24	17.23	17.19	17.13	17.21	18.5	5
5	256QAM	12	0	17.29	17.27	17.25	17.31		
5	256QAM	12	7	17.11	17.24	17.39	17.34		
5	256QAM	12	13	17.35	17.49	17.18	17.23	18.5	5
5	256QAM	25	0	17.41	17.26	17.27	17.38		

GSM850 Anti DSI3

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	32.72	32.86	32.88	33.50	23.72	23.86	23.88	24.50
GSM 1 Tx slot	32.81	32.87	32.97	33.50	23.81	23.87	23.97	24.50
GPRS 2 Tx slots	29.62	29.40	29.66	30.50	23.62	23.40	23.66	24.50
GPRS 3 Tx slots	27.75	27.77	27.82	28.50	23.49	23.51	23.56	24.24
GPRS 4 Tx slots	26.30	26.58	26.57	27.50	23.30	23.58	23.57	24.50
EDGE 1 Tx slot	26.21	26.70	27.05	27.50	17.71	17.70	18.05	18.50
EDGE 2 Tx slots	23.68	23.63	23.55	24.50	17.68	17.63	17.55	18.50
EDGE 3 Tx slots	21.74	22.01	22.03	23.00	17.48	17.75	17.77	18.74
EDGE 4 Tx slots	20.32	20.64	20.62	21.50	17.32	17.64	17.62	18.50

WCDMA V Anti DSI3

	Band	WCDMA V			Tune-up Limit (dBm)
	TX Channel	4132	4182	4233	
	Rx Channel	4357	4407	4458	
	Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.20	24.31	24.22	25.00
3GPP Rel 99	RMC 12.2Kbps	24.26	24.34	24.27	25.00
3GPP Rel 6	HSDPA Subtest-1	23.38	23.19	23.31	24.00
3GPP Rel 6	HSDPA Subtest-2	23.21	23.38	23.07	24.00
3GPP Rel 6	HSDPA Subtest-3	22.75	22.83	22.69	23.50
3GPP Rel 6	HSDPA Subtest-4	22.59	22.77	22.50	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	23.35	23.25	23.23	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.10	23.36	23.09	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.89	22.86	22.79	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.53	22.84	22.61	23.50
3GPP Rel 6	HSUPA Subtest-1	23.09	23.29	23.34	24.00
3GPP Rel 6	HSUPA Subtest-2	21.36	21.22	21.20	22.00
3GPP Rel 6	HSUPA Subtest-3	22.18	22.53	22.10	23.00
3GPP Rel 6	HSUPA Subtest-4	21.05	21.24	20.93	22.00
3GPP Rel 6	HSUPA Subtest-5	23.16	23.36	23.42	24.00



Band 4 Ant0 DS13									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Peak Ch./Freq.	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.96	22.94	22.79			
20	QPSK	1	49	22.88	22.88	22.88	24.5	0	
20	QPSK	1	99	22.71	22.84	22.85			
20	QPSK	50	0	22.50	22.50	21.85			
20	QPSK	50	24	21.96	21.96	21.97	23.5	1	
20	QPSK	50	50	22.04	21.92	21.88			
20	QPSK	100	0	21.91	22.08	21.76			
20	16QAM	1	0	22.17	22.14	22.09			
20	16QAM	1	49	22.11	22.17	22.27	23.5	1	
20	16QAM	1	99	22.20	22.32	22.03			
20	16QAM	50	0	20.80	20.80	20.99			
20	16QAM	50	24	20.86	20.85	20.98	22.5	2	
20	16QAM	50	50	20.84	20.82	20.81			
20	16QAM	100	0	20.84	20.88	20.84			
20	64QAM	1	0	20.93	21.09	20.99			
20	64QAM	1	49	20.96	20.99	20.90	22.5	2	
20	64QAM	1	99	20.71	20.74	21.05			
20	64QAM	50	0	19.82	19.96	19.91			
20	64QAM	50	24	19.94	19.95	20.02	21.5	3	
20	64QAM	50	50	19.75	19.78	19.81			
20	64QAM	100	0	19.71	19.85	19.78			
20	256QAM	1	49	17.82	17.85	18.03	19.5	5	
20	256QAM	1	99	17.82	17.73	17.88			
20	256QAM	50	0	17.75	17.77	17.84			
20	256QAM	50	24	18.12	18.00	17.88	19.5	5	
20	256QAM	50	50	18.06	17.84	17.67			
20	256QAM	100	0	17.89	17.89	17.85			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.91	22.82	22.64			
15	QPSK	1	74	22.87	22.78	22.88	24.5	0	
15	QPSK	1	74	22.64	22.72	22.73			
15	QPSK	36	0	22.11	22.26	21.84			
15	QPSK	36	29	22.12	22.29	22.17	23.5	1	
15	QPSK	36	36	22.10	22.08	21.98			
15	16QAM	1	0	22.14	22.01	21.91			
15	16QAM	1	74	22.09	22.17	22.05	23.5	1	
15	16QAM	1	37	21.98	22.06	22.17			
15	16QAM	36	0	20.75	20.82	20.77			
15	16QAM	36	29	20.74	20.81	20.87	22.5	2	
15	16QAM	36	36	20.75	20.83	20.77			
15	16QAM	75	0	20.75	20.85	20.73			
15	64QAM	1	0	20.78	20.87	20.84	22.5	2	
15	64QAM	1	74	20.84	20.87	20.88			
15	64QAM	1	74	20.50	20.55	20.57			
15	64QAM	36	0	19.74	19.93	19.76			
15	64QAM	36	29	19.86	19.87	19.89	21.5	3	
15	64QAM	36	36	19.52	19.55	19.59			
15	64QAM	75	0	19.67	19.88	19.66			
15	256QAM	1	0	17.94	17.94	17.94			
15	256QAM	1	37	17.97	17.79	17.88	19.5	5	
15	256QAM	1	74	17.64	17.72	17.73			
15	256QAM	36	0	17.81	17.86	17.81			
15	256QAM	36	29	18.00	17.81	17.92	19.5	5	
15	256QAM	36	39	17.87	17.88	17.76			
15	256QAM	75	0	17.34	17.34	17.34			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.71	22.71	22.71			
10	QPSK	1	49	22.87	22.87	22.89	24.5	0	
10	QPSK	1	49	22.72	22.80	22.83			
10	QPSK	25	0	21.97	21.97	21.97			
10	QPSK	25	12	22.03	21.91	22.02	23.5	1	
10	QPSK	25	25	21.98	21.85	21.82			
10	16QAM	1	0	22.15	22.08	21.89			
10	16QAM	1	25	21.99	22.10	22.15	23.5	1	
10	16QAM	1	49	21.96	22.14	21.99			
10	16QAM	25	0	20.68	20.74	20.68			
10	16QAM	25	12	20.79	20.77	20.82	22.5	2	
10	16QAM	25	25	20.73	20.71	20.73			
10	16QAM	50	0	20.66	20.85	20.61			
10	64QAM	1	0	20.76	20.88	20.72	22.5	2	
10	64QAM	1	49	20.84	20.82	20.82			
10	64QAM	1	49	20.75	20.79	20.82			
10	64QAM	25	0	19.82	20.02	19.81	21.5	3	
10	64QAM	25	12	19.82	19.87	19.85			
10	64QAM	25	25	19.56	19.69	19.61			
10	64QAM	50	0	19.79	19.99	19.68			
10	256QAM	1	0	17.53	17.70	17.65			
10	256QAM	1	25	17.89	17.74	17.79	19.5	5	
10	256QAM	1	49	17.56	17.68	17.64			
10	256QAM	1	74	17.56	17.56	17.65			
10	256QAM	25	12	17.86	17.80	17.82	19.5	5	
10	256QAM	25	25	17.82	17.87	17.72			
10	256QAM	50	0	16.03	17.72	17.65			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.36	22.42	22.15			
5	QPSK	1	12	22.50	22.72	22.53	24.5	0	
5	QPSK	1	24	22.69	22.75	22.71			
5	QPSK	6	0	21.97	21.80	21.79			
5	QPSK	12	7	22.07	21.84	21.86	23.5	1	
5	QPSK	12	13	21.97	21.78	21.78			
5	16QAM	1	0	22.01	21.77	21.71			
5	16QAM	1	0	22.05	22.15	22.04	23.5	1	
5	16QAM	1	12	21.96	22.05	22.17			
5	16QAM	1	24	22.05	22.24	21.92			
5	16QAM	12	0	20.75	20.70	20.77			
5	16QAM	12	7	20.72	20.74	20.82	22.5	2	
5	16QAM	12	13	20.76	20.79	20.78			
5	16QAM	25	0	20.79	20.79	20.76			
5	64QAM	1	0	20.83	21.05	20.88	22.5	2	
5	64QAM	1	12	20.89	20.92	20.88			
5	64QAM	1	24	20.74	20.72	20.95			
5	64QAM	12	0	19.70	19.83	19.80	21.5	3	
5	64QAM	12	7	19.70	19.82	19.89			
5	64QAM	12	13	19.69	19.68	19.98			
5	64QAM	25	0	19.63	19.83	19.80			
5	256QAM	1	0	18.00	17.86	17.74			
5	256QAM	1	12	17.87	17.83	17.83	19.5	5	
5	256QAM	1	24	17.78	17.86	17.71			
5	256QAM	12	0	17.78	17.70	17.79			
5	256QAM	12	7	18.02	17.79	17.85	19.5	5	
5	256QAM	12	13	18.01	17.76	17.76			
5	256QAM	25	0	17.80	17.84	17.74			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.58	22.76	22.53			
1.4	QPSK	1	3	22.90	22.78	22.82	24.5	0	
1.4	QPSK	1	5	22.61	22.79	22.71			
1.4	QPSK	1	24	22.84	22.79	22.82			
1.4	QPSK	3	1	22.99	22.78	22.82			
1.4	QPSK	3	3	22.59	22.79	22.72	23.5	1	
1.4	QPSK	6	0	21.94	21.86	21.82			
1.4	16QAM	1	0	21.79	21.80	21.69			
1.4	16QAM	1	3	21.76	21.85	21.67	23.5	1	
1.4	16QAM	1	5	21.80	21.88	21.81			
1.4	16QAM	1	24	21.71	21.74	21.74			
1.4	16QAM	1	0	20.74	20.79	20.78	22.5	2	
1.4	16QAM	1	3	20.66	20.67	20.72			
1.4	64QAM	1	0	20.83	20.76	20.87	22.5	2	
1.4	64QAM	1	5	20.63	20.76	20.87			
1.4	64QAM	1	24	20.72	20.73	20.84			
1.4	64QAM	3	0	19.87	19.88	19.76	21.5	3	
1.4	256QAM	1	0	17.89	17.65	17.62			
1.4	256QAM	1	3	17.84	17.78	17.71			
1.4	256QAM	1	5	17.61	17.64	17.78			
1.4	256QAM	3	0	17.72	17.70	17.76	19.5	5	
1.4	256QAM	3	1	17.81	17.72	17.72			
1.4	256QAM	3	3	17.87	17.71	17.71			
1.4	256QAM	6	0	17.86	17.82	17.71	19.5	5	

Band 5 Ant0 DS13									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Peak Ch./Freq.	Turn-on time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.17	24.24	24.20			
10	QPSK	1	25	24.12	24.20	24.04	25.5	0	
10	QPSK	1	49	23.88	24.10	24.08			
10	QPSK	25	0	23.23	23.32	23.23	24.5	1	
10	QPSK	25	12	23.31	23.13	23.23			
10	QPSK	25	25	23.27	23.26	23.24			
10	QPSK	50	0	23.22	23.26	23.21			
10	QPSK	50	0	23.26	23.20	23.31			
10	QPSK	50	25	23.21	23.12	23.20			
10	QPSK	1	26	22.64	22.37	22.46	23.5	2	
10	QPSK	49	25	22.54	22.57	22.44			
10	QPSK	25	21	21.22	21.13	21.22			
10	QPSK	25	12	21.33	21.10	21.35	22.5	3	
10	QPSK	25	25	21.33	21.21	21.32			
10	QPSK	25	50	21.31	21.12	21.20			
10	25QPSK	1	0	19.14	19.17	19.22			
10	25QPSK	1	25	19.19	19.27	19.11	20.5	5	
10	25QPSK	1	49	19.20	19.20	19.20			
10	25QPSK	25	0	19.22	19.31	19.11			
10	25QPSK	25	12	19.38	19.04	19.28	20.5	5	
10	25QPSK	25	25	19.18	19.13	19.13			
10	25QPSK	50	0	19.29	19.34	19.15	turn-on time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.13	24.07	24.08			
5	QPSK	1	12	24.11	24.10	23.91	25.5	0	
5	QPSK	1	49	23.88	24.10	24.08			
5	QPSK	12	0	23.08	23.17	23.12			
5	QPSK	12	7	23.25	23.04	23.15	24.5	1	
5	QPSK	12	12	23.18	23.12	23.18			
5	QPSK	12	19	23.15	23.15	23.19			
5	QPSK	1	50	23.44	23.56	23.42			
5	QPSK	1	24	23.28	23.34	23.24	24.5	1	
5	QPSK	12	50	22.10	22.09	22.01			
5	QPSK	12	19	22.18	22.18	22.18			
5	QPSK	12	14	22.19	22.08	22.13	23.5	2	
5	QPSK	25	0	22.18	22.06	22.25			
5	QPSK	25	12	22.28	22.29	22.27			
5	QPSK	1	12	22.52	22.29	22.52	23.5	2	
5	QPSK	1	24	22.45	22.48	22.33			
5	QPSK	1	49	22.14	22.15	22.14			
5	QPSK	12	7	21.18	21.05	21.26	22.5	3	
5	QPSK	12	19	21.26	21.05	21.27			
5	QPSK	12	14	21.14	21.05	21.14			
5	25QPSK	1	0	18.17	18.14	18.15			
5	25QPSK	1	12	19.04	18.19	18.88	20.5	5	
5	25QPSK	1	49	18.18	18.18	18.18			
5	25QPSK	12	0	19.02	19.10	19.10			
5	25QPSK	12	7	19.28	18.98	19.23	20.5	5	
5	25QPSK	12	12	19.27	19.10	19.27			
5	25QPSK	12	19	19.04	19.14	19.11			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.01	24.03	24.07			
3	QPSK	1	8	24.14	24.06	23.98	25.5	0	
3	QPSK	1	16	23.88	24.08	24.08			
3	QPSK	8	0	23.17	23.19	23.09			
3	QPSK	8	4	23.24	22.97	23.15	24.5	1	
3	QPSK	8	8	23.17	23.09	23.10			
3	QPSK	16	0	23.11	23.05	23.08			
3	QPSK	1	50	23.51	23.48	23.49			
3	QPSK	1	14	23.32	23.32	23.23	24.5	1	
3	QPSK	1	14	23.33	23.52	23.45			
3	QPSK	8	0	22.09	22.16	21.98			
3	QPSK	8	4	22.13	22.13	22.13	23.5	2	
3	QPSK	8	7	22.12	22.09	22.18			
3	QPSK	16	0	22.15	22.08	22.22			
3	QPSK	16	4	22.28	22.48	22.28			
3	QPSK	8	8	22.09	22.28	22.32	23.5	2	
3	QPSK	1	14	22.45	22.49	22.39			
3	QPSK	1	14	22.46	22.46	22.39			
3	QPSK	8	4	21.24	21.02	21.31	22.5	3	
3	QPSK	8	7	21.22	21.20	21.34			
3	25QPSK	1	8	19.07	19.07	19.17			
3	25QPSK	1	8	19.03	19.01	19.08	20.5	5	
3	25QPSK	8	0	19.10	19.10	19.10			
3	25QPSK	8	4	19.18	18.85	19.09	20.5	5	
3	25QPSK	8	8	19.13	19.13	19.13			
3	25QPSK	16	0	19.03	19.05	19.14			
Channel									
Frequency (MHz)									
14	QPSK	1	0	24.07	23.97	24.00			
14	QPSK	1	3	24.14	24.06	23.99			
14	QPSK	1	8	23.85	24.06	24.06	25.5	0	
14	QPSK	1	24	23.96	24.00	23.91			
14	QPSK	1	1	23.98	23.78	23.91			
14	QPSK	3	0	24.01	23.99	23.99			
14	QPSK	3	8	23.97	23.98	23.93			
14	QPSK	1	0	23.46	23.29	23.37	24.5	1	
14	QPSK	1	49	23.41	23.39	23.45			
14	QPSK	1	3	23.42	23.49	23.47			
14	QPSK	3	0	22.90	22.86	22.79			
14	QPSK	3	1	22.87	22.87	22.99			
14	QPSK	3	8	22.88	22.88	22.88	23.5	2	
14	QPSK	0	0	22.46	22.27	22.31			
14	QPSK	1	0	22.53	22.24	22.38			
14	QPSK	1	8	22.46	22.47	22.45	23.5	2	
14	QPSK	1	3	22.50	22.48	22.54			
14	QPSK	1	8	22.48	22.48	22.48	23.5	3	
14	QPSK	1	1	22.15	22.02	22.11			
14	25QPSK	1	3	19.18	19.08	19.00			
14	25QPSK	1	8	19.07	19.00	19.00	20.5	5	
14	25QPSK	1	3	19.07	19.07	19.07			
14	25QPSK	1	8	19.19	19.13	19.17			
14	25QPSK	1	1	19.07	19.05	19.15			
14	25QPSK	1	3	19.04	19.04	19.04			
14	25QPSK	6	0	19.18	19.07	19.25	20.5	5	



Band 13 Ant0 DSI3

BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MFR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	24.48	24.48	24.47	25.5	0
10	QPSK	1	25	24.43	24.43	24.43		
10	QPSK	1	49	24.48	24.48	24.48		
10	QPSK	25	0	23.65	23.65	23.65	24.5	1
10	QPSK	25	12	23.65	23.65	23.65		
10	QPSK	25	25	23.61	23.61	23.61		
10	QPSK	50	0	23.64	23.64	23.64	24.5	1
10	QPSK	50	25	23.64	23.64	23.64		
10	QPSK	50	50	23.65	23.65	23.65		
10	16QAM	1	0	22.58	22.58	22.58	23.5	2
10	16QAM	1	25	22.58	22.58	22.58		
10	16QAM	1	49	22.58	22.58	22.58		
10	16QAM	25	0	22.58	22.58	22.58	22.5	3
10	16QAM	25	12	22.58	22.58	22.58		
10	16QAM	25	25	22.58	22.58	22.58		
10	16QAM	50	0	22.58	22.58	22.58	20.5	5
10	16QAM	50	25	22.58	22.58	22.58		
10	16QAM	50	50	22.58	22.58	22.58		
10	256QAM	1	0	19.17	19.17	19.17	20.5	5
10	256QAM	1	25	19.17	19.17	19.17		
10	256QAM	1	49	19.17	19.17	19.17		
10	256QAM	25	0	19.17	19.17	19.17	20.5	5
10	256QAM	25	12	19.17	19.17	19.17		
10	256QAM	25	25	19.17	19.17	19.17		
10	256QAM	50	0	19.17	19.17	19.17	20.5	5
10	256QAM	50	25	19.17	19.17	19.17		
10	256QAM	50	50	19.17	19.17	19.17		

Channel								
Frequency (MHz)								
5	QPSK	1	0	24.48	24.48	24.47	25.5	0
5	QPSK	1	12	24.37	24.48	24.48		
5	QPSK	1	24	24.48	24.48	24.48		
5	QPSK	12	0	23.65	23.65	23.65	24.5	1
5	QPSK	12	7	23.65	23.65	23.65		
5	QPSK	12	13	23.58	23.58	23.58		
5	QPSK	25	0	23.65	23.65	23.65	24.5	1
5	QPSK	25	12	23.65	23.65	23.65		
5	QPSK	25	25	23.61	23.61	23.61		
5	16QAM	1	0	22.58	22.58	22.58	23.5	2
5	16QAM	1	12	22.58	22.58	22.58		
5	16QAM	1	24	22.58	22.58	22.58		
5	16QAM	12	0	22.58	22.58	22.58	22.5	3
5	16QAM	12	7	22.58	22.58	22.58		
5	16QAM	12	13	22.58	22.58	22.58		
5	16QAM	25	0	22.58	22.58	22.58	20.5	5
5	16QAM	25	12	22.58	22.58	22.58		
5	16QAM	25	25	22.58	22.58	22.58		
5	256QAM	1	0	19.17	19.17	19.17	20.5	5
5	256QAM	1	12	19.17	19.17	19.17		
5	256QAM	1	24	19.17	19.17	19.17		
5	256QAM	12	0	19.17	19.17	19.17	20.5	5
5	256QAM	12	7	19.17	19.17	19.17		
5	256QAM	12	13	19.17	19.17	19.17		
5	256QAM	25	0	19.17	19.17	19.17	20.5	5
5	256QAM	25	12	19.17	19.17	19.17		
5	256QAM	25	25	19.17	19.17	19.17		

Channel								
Frequency (MHz)								
5	QPSK	1	0	24.48	24.48	24.47	25.5	0
5	QPSK	1	12	24.37	24.48	24.48		
5	QPSK	1	24	24.48	24.48	24.48		
5	QPSK	12	0	23.65	23.65	23.65	24.5	1
5	QPSK	12	7	23.65	23.65	23.65		
5	QPSK	12	13	23.58	23.58	23.58		
5	QPSK	25	0	23.65	23.65	23.65	24.5	1
5	QPSK	25	12	23.65	23.65	23.65		
5	QPSK	25	25	23.61	23.61	23.61		
5	16QAM	1	0	22.58	22.58	22.58	23.5	2
5	16QAM	1	12	22.58	22.58	22.58		
5	16QAM	1	24	22.58	22.58	22.58		
5	16QAM	12	0	22.58	22.58	22.58	22.5	3
5	16QAM	12	7	22.58	22.58	22.58		
5	16QAM	12	13	22.58	22.58	22.58		
5	16QAM	25	0	22.58	22.58	22.58	20.5	5
5	16QAM	25	12	22.58	22.58	22.58		
5	16QAM	25	25	22.58	22.58	22.58		
5	256QAM	1	0	19.17	19.17	19.17	20.5	5
5	256QAM	1	12	19.17	19.17	19.17		
5	256QAM	1	24	19.17	19.17	19.17		
5	256QAM	12	0	19.17	19.17	19.17	20.5	5
5	256QAM	12	7	19.17	19.17	19.17		
5	256QAM	12	13	19.17	19.17	19.17		
5	256QAM	25	0	19.17	19.17	19.17	20.5	5
5	256QAM	25	12	19.17	19.17	19.17		
5	256QAM	25	25	19.17	19.17	19.17		

Channel								
Frequency (MHz)								
5	QPSK	1	0	24.48	24.48	24.47	25.5	0
5	QPSK	1	12	24.37	24.48	24.48		
5	QPSK	1	24	24.48	24.48	24.48		
5	QPSK	12	0	23.65	23.65	23.65	24.5	1
5	QPSK	12	7	23.65	23.65	23.65		
5	QPSK	12	13	23.58	23.58	23.58		
5	QPSK	25	0	23.65	23.65	23.65	24.5	1
5	QPSK	25	12	23.65	23.65	23.65		
5	QPSK	25	25	23.61	23.61	23.61		
5	16QAM	1	0	22.58	22.58	22.58	23.5	2
5	16QAM	1	12	22.58	22.58	22.58		
5	16QAM	1	24	22.58	22.58	22.58		
5	16QAM	12	0	22.58	22.58	22.58	22.5	3
5	16QAM	12	7	22.58	22.58	22.58		
5	16QAM	12	13	22.58	22.58	22.58		
5	16QAM	25	0	22.58	22.58	22.58	20.5	5
5	16QAM	25	12	22.58	22.58	22.58		
5	16QAM	25	25	22.58	22.58	22.58		
5	256QAM	1	0	19.17	19.17	19.17	20.5	5
5	256QAM	1	12	19.17	19.17	19.17		
5	256QAM	1	24	19.17	19.17	19.17		
5	256QAM	12	0	19.17	19.17	19.17	20.5	5
5	256QAM	12	7	19.17	19.17	19.17		
5	256QAM	12	13	19.17	19.17	19.17		
5	256QAM	25	0	19.17	19.17	19.17	20.5	5
5	256QAM	25	12	19.17	19.17	19.17		
5	256QAM	25	25	19.17	19.17	19.17		

Channel								
Frequency (MHz)								
5	QPSK	1	0	24.48	24.48	24.47	25.5	0
5	QPSK	1	12	24.37	24.48	24.48		
5	QPSK	1	24	24.48	24.48	24.48		
5	QPSK	12	0	23.65	23.65	23.65	24.5	1
5	QPSK	12	7	23.65	23.65	23.65		
5	QPSK	12	13	23.58	23.58	23.58		
5	QPSK	25	0	23.65	23.65	23.65	24.5	1
5	QPSK	25	12	23.65	23.65	23.65		
5	QPSK	25	25	23.61	23.61	23.61		
5	16QAM	1	0	22.58	22.58	22.58	23.5	2
5	16QAM	1	12	22.58	22.58	22.58		
5	16QAM	1	24	22.58	22.58	22.58		
5	16QAM	12	0	22.58	22.58	22.58	22.5	3
5	16QAM	12	7	22.58	22.58	22.58		
5	16QAM	12	13	22.58	22.58	22.58		
5	16QAM	25	0	22.58	22.58	22.58	20.5	5
5	16QAM	25	12	22.58	22.58	22.58		
5	16QAM	25	25	22.58	22.58	22.58		
5	256QAM	1	0	19.17	19.17	19.17	20.5	5
5	256QAM	1	12	19.17	19.17	19.17		
5	256QAM	1	24	19.17	19.17	19.17		
5	256QAM	12	0	19.17	19.17	19.17	20.5	5
5	256QAM	12	7	19.17	19.17	19.17		
5	256QAM	12	13	19.17	19.17	19.17		
5	256QAM	25	0	19.17				

Band 38 Ant0 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.88	22.94	22.70	24.5	0	
20	QPSK	1	49	22.89	22.71	22.90			
20	QPSK	1	99	22.83	22.78	22.93			
20	QPSK	50	0	21.90	21.99	21.95	23.5	1	
20	QPSK	50	24	21.95	21.86	21.93			
20	QPSK	50	50	21.96	21.90	21.97			
20	QPSK	100	0	22.00	22.01	21.95	23.5	1	
20	16QAM	1	0	21.95	21.99	21.91			
20	16QAM	1	49	21.85	22.01	21.79			
20	16QAM	1	99	22.05	22.09	22.02	22.5	2	
20	16QAM	50	0	20.92	20.88	21.04			
20	16QAM	50	24	21.04	20.89	20.96			
20	16QAM	50	50	21.05	20.87	20.93	22.5	2	
20	16QAM	100	0	21.07	20.90	20.95			
20	64QAM	1	0	21.02	20.84	20.69			
20	64QAM	1	49	20.73	20.81	20.68	22.5	2	
20	64QAM	1	99	20.85	20.59	20.81			
20	64QAM	50	0	19.86	19.96	20.01			
20	64QAM	50	24	20.14	19.99	19.88	21.5	3	
20	64QAM	50	50	20.08	19.89	20.00			
20	64QAM	100	0	19.95	19.97	19.91			
20	256QAM	1	0	17.94	18.08	17.80	19.5	5	
20	256QAM	1	49	18.05	17.92	17.96			
20	256QAM	1	99	17.83	17.94	17.97			
20	256QAM	50	0	18.03	18.17	18.03	19.5	5	
20	256QAM	50	24	18.12	17.92	18.02			
20	256QAM	50	50	18.02	17.97	18.06			
20	256QAM	100	0	18.15	18.17	17.93			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.72	22.89	22.62	24.5	0	
15	QPSK	1	37	22.83	22.62	22.80			
15	QPSK	1	74	22.66	22.69	22.83			
15	QPSK	36	0	21.74	21.89	21.79	23.5	1	
15	QPSK	36	20	21.97	21.89	21.75			
15	QPSK	36	39	21.92	21.84	21.83			
15	QPSK	75	0	21.96	21.95	21.82	23.5	1	
15	16QAM	1	0	21.79	21.98	21.81			
15	16QAM	1	37	21.75	22.03	21.73			
15	16QAM	1	74	21.91	22.12	21.90	22.5	2	
15	16QAM	36	0	20.81	20.82	20.93			
15	16QAM	36	20	20.96	20.90	20.90			
15	16QAM	36	39	20.97	20.82	20.81	22.5	2	
15	16QAM	75	0	21.02	20.88	20.81			
15	64QAM	1	0	20.97	20.81	20.51			
15	64QAM	1	37	20.61	20.75	20.60	22.5	2	
15	64QAM	1	74	20.80	20.51	20.63			
15	64QAM	36	0	19.72	19.92	19.90			
15	64QAM	36	20	20.01	19.94	19.77	21.5	3	
15	64QAM	36	39	19.98	19.82	19.88			
15	64QAM	75	0	19.78	19.91	19.74			
15	256QAM	1	0	17.85	17.91	17.65	19.5	5	
15	256QAM	1	37	17.96	17.81	17.82			
15	256QAM	1	74	17.66	17.86	17.86			
15	256QAM	36	0	17.93	17.90	17.91	19.5	5	
15	256QAM	36	20	18.10	18.08	17.95			
15	256QAM	36	39	18.10	17.85	18.02			
15	256QAM	75	0	18.00	17.98	18.00			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.82	22.82	22.56	24.5	0	
10	QPSK	1	25	22.89	22.71	22.82			
10	QPSK	1	49	22.65	22.77	22.87			
10	QPSK	25	0	21.80	21.79	21.81	23.5	1	
10	QPSK	25	12	21.95	21.88	21.79			
10	QPSK	25	25	21.93	21.89	21.89			
10	QPSK	50	0	21.98	21.96	21.80	23.5	1	
10	16QAM	1	0	21.85	21.92	21.76			
10	16QAM	1	25	21.76	21.98	21.65			
10	16QAM	1	49	21.89	22.02	21.94	22.5	2	
10	16QAM	25	0	20.84	20.87	20.95			
10	16QAM	25	12	20.93	20.80	20.84			
10	16QAM	25	25	20.92	20.84	20.86	22.5	2	
10	16QAM	50	0	21.01	20.86	20.88			
10	64QAM	1	0	20.85	20.83	20.52			
10	64QAM	1	25	20.56	20.79	20.59	22.5	2	
10	64QAM	1	49	20.72	20.63	20.75			
10	64QAM	25	0	19.79	19.99	19.97			
10	64QAM	25	12	20.07	19.93	19.83	21.5	3	
10	64QAM	25	25	19.99	19.82	19.94			
10	64QAM	50	0	19.83	19.98	19.81			
10	256QAM	1	0	18.00	18.03	17.64	19.5	5	
10	256QAM	1	25	18.09	17.73	17.92			
10	256QAM	1	49	17.72	17.93	17.96			
10	256QAM	25	0	17.88	17.81	17.85	19.5	5	
10	256QAM	25	12	18.03	17.90	17.97			
10	256QAM	25	25	17.98	17.94	17.97			
10	256QAM	50	0	18.20	17.99	17.83			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.77	22.87	22.53	24.5	0	
5	QPSK	1	12	22.81	22.65	22.78			
5	QPSK	1	24	22.76	22.75	22.86			
5	QPSK	12	0	21.84	21.85	21.78	23.5	1	
5	QPSK	12	7	21.90	21.87	21.80			
5	QPSK	12	13	21.90	21.87	21.88			
5	QPSK	25	0	21.85	21.95	21.87	23.5	1	
5	16QAM	1	0	21.84	21.97	21.75			
5	16QAM	1	12	21.68	21.94	21.74			
5	16QAM	1	24	22.00	22.00	21.93	22.5	2	
5	16QAM	12	0	20.82	20.87	20.87			
5	16QAM	12	7	20.86	20.89	20.88			
5	16QAM	12	13	20.87	20.81	20.75	22.5	2	
5	16QAM	25	0	21.02	20.88	20.78			
5	64QAM	1	0	20.91	20.84	20.57			
5	64QAM	1	12	20.59	20.73	20.82	22.5	2	
5	64QAM	1	24	20.78	20.56	20.73			
5	64QAM	12	0	19.68	19.92	19.94			
5	64QAM	12	7	20.04	20.01	19.73	21.5	3	
5	64QAM	12	13	20.02	19.81	19.87			
5	64QAM	25	0	19.83	19.93	19.74			
5	256QAM	1	0	17.85	18.02	17.74	19.5	5	
5	256QAM	1	12	17.94	17.67	17.99			
5	256QAM	1	24	17.89	17.93	18.01			
5	256QAM	12	0	17.90	17.86	17.82	19.5	5	
5	256QAM	12	7	17.93	17.87	17.88			
5	256QAM	12	13	18.05	17.94	18.08			
5	256QAM	25	0	17.98	18.16	17.90			

Band 41 Ant0 DS13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.91	22.78	22.95	22.60	22.60	24.5	0
20	QPSK	1	49	22.82	22.71	22.79	22.84	22.76		
20	QPSK	1	99	22.82	22.90	22.78	22.79	22.88		
20	QPSK	50	0	21.86	21.73	22.00	21.70	21.78		
20	QPSK	50	24	21.83	21.85	21.83	21.68	21.63	23.5	1
20	QPSK	50	50	21.96	21.87	21.95	21.65	21.91		
20	QPSK	100	0	21.84	21.86	22.02	21.72	21.73		
20	16QAM	1	0	21.86	21.73	21.83	21.84	21.88		
20	16QAM	1	49	21.89	21.68	21.69	21.87	21.83	23.5	1
20	16QAM	1	99	21.86	21.86	21.82	21.89	21.76		
20	16QAM	50	0	20.86	20.89	20.73	20.67	20.70		
20	16QAM	50	24	20.93	20.83	20.90	20.86	20.72		
20	16QAM	50	50	20.89	20.85	20.86	20.76	20.85	22.5	2
20	16QAM	100	0	20.92	20.92	20.87	20.94	20.70		
20	64QAM	1	0	21.86	21.00	20.82	20.71	20.89		
20	64QAM	1	49	21.03	20.78	20.88	20.76	20.96		
20	64QAM	1	99	20.94	20.86	21.03	20.88	20.91	21.5	3
20	64QAM	50	0	19.74	19.85	19.82	19.68	19.86		
20	64QAM	50	24	19.91	19.86	19.88	19.72	19.75		
20	64QAM	50	50	19.91	19.85	19.92	19.79	19.61		
20	64QAM	100	0	19.95	19.76	19.88	19.66	19.75	19.5	5
20	256QAM	1	0	18.04	17.87	18.10	17.72	17.75		
20	256QAM	1	49	17.86	17.74	17.81	17.86	17.88		
20	256QAM	1	99	17.80	17.89	17.85	17.94	17.94		
20	256QAM	50	0	17.85	17.88	18.10	17.80	17.83	19.5	5
20	256QAM	50	24	18.00	17.99	17.93	17.83	17.71		
20	256QAM	50	50	18.00	17.90	17.94	17.76	17.98		
20	256QAM	100	0	17.90	18.01	18.01	17.89	17.76		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.80	22.68	22.76	22.53	22.88	24.50	0
15	QPSK	1	37	22.70	22.81	22.74	22.78	22.68		
15	QPSK	1	74	22.76	22.76	22.53	22.81	22.75		
15	QPSK	36	0	21.82	21.82	21.68	21.62	21.68		
15	QPSK	36	20	21.73	21.80	21.67	21.55	21.50	23.5	1
15	QPSK	36	39	21.84	21.73	21.77	21.65	21.80		
15	QPSK	75	0	21.78	21.81	21.75	21.68	21.57		
15	16QAM	1	0	21.79	21.57	21.71	21.79	21.76		
15	16QAM	1	37	21.74	21.58	21.63	21.78	21.77	23.5	1
15	16QAM	1	74	21.72	21.72	21.64	21.73	21.70		
15	16QAM	36	0	20.80	20.73	20.58	20.62	20.59		
15	16QAM	36	20	20.89	20.75	20.83	20.53	20.64		
15	16QAM	36	39	20.81	20.71	20.69	20.65	20.58	22.5	2
15	16QAM	75	0	20.88	20.83	20.73	20.88	20.63		
15	64QAM	1	0	20.62	20.87	20.72	20.62	20.77		
15	64QAM	1	37	20.98	20.68	20.77	20.70	20.89		
15	64QAM	1	74	20.83	20.75	20.97	20.83	20.86	22.5	2
15	64QAM	36	0	19.58	19.80	19.77	19.61	19.80		
15	64QAM	36	20	19.73	19.72	19.82	19.58	19.68		
15	64QAM	36	39	19.76	19.70	19.86	19.66	19.56		
15	64QAM	75	0	19.78	19.70	19.73	19.54	19.57	19.5	5
15	256QAM	1	0	17.84	17.83	17.83	17.67	17.88		
15	256QAM	1	37	17.82	17.79	17.86	17.62	17.74		
15	256QAM	1	74	17.85	17.84	17.73	17.71	17.97		
15	256QAM	36	0	17.87	17.62	17.79	17.74	17.75	19.5	5
15	256QAM	36	20	17.81	17.85	17.83	17.76	17.69		
15	256QAM	36	39	17.88	17.90	17.84	17.72	18.01		
15	256QAM	75	0	18.00	17.87	18.11	17.88	17.95		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.85	22.62	22.75	22.88	22.50	24.50	0
10	QPSK	1	25	22.76	22.66	22.73	22.74	22.68		
10	QPSK	1	49	22.69	22.79	22.69	22.67	22.75		
10	QPSK	25	0	21.91	21.68	21.68	21.58	21.61		
10	QPSK	25	12	21.69	21.72	21.79	21.55	21.58	23.5	1
10	QPSK	25	25	21.90	21.78	21.88	21.53	21.74		
10	QPSK	50	0	21.79	21.79	21.74	21.66	21.64		
10	16QAM	1	0	21.80	21.66	21.74	21.68	21.82		
10	16QAM	1	25	21.78	21.57	21.58	21.72	21.71	23.5	1
10	16QAM	1	49	21.76	21.70	21.73	21.77	21.68		
10	16QAM	25	0	20.80	20.78	20.62	20.63	20.53		
10	16QAM	25	12	20.76	20.87	20.75	20.56	20.63		
10	16QAM	25	25	20.77	20.70	20.72	20.66	20.54	22.5	2
10	16QAM	50	0	20.89	20.78	20.78	20.86	20.57		
10	64QAM	1	0	20.58	20.94	20.73	20.61	20.75		
10	64QAM	1	25	20.87	20.84	20.80	20.67	20.88		
10	64QAM	1	49	20.80	20.89	20.90	20.74	20.82	22.5	2
10	64QAM	25	0	19.69	19.75	19.77	19.51	19.78		
10	64QAM	25	12	19.78	19.78	19.79	19.55	19.57		
10	64QAM	25	25	19.77	19.70	19.78	19.65	19.55		
10	64QAM	50	0	19.87	19.70	19.71	19.56	19.68	19.5	5
10	256QAM	1	0	17.84	17.65	17.95	17.73	17.69		
10	256QAM	1	25	17.97	17.83	17.94	17.87	17.88		
10	256QAM	1	49	17.82	18.00	17.84	17.74	17.75		
10	256QAM	25	0	17.90	17.76	17.84	17.67	17.75	19.5	5
10	256QAM	25	12	17.81	17.85	17.93	17.62	17.68		
10	256QAM	25	25	17.98	17.90	18.00	17.73	17.82		
10	256QAM	50	0	17.86	17.97	17.79	17.81	17.80		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.83	22.73	22.83	22.53	22.54	24.50	0
5	QPSK	1	12	22.67	22.64	22.64	22.73	22.86		
5	QPSK	1	24	22.85	22.85	22.67	22.67	22.78		
5	QPSK	12	0	21.85	21.58	21.82	21.64	21.67		
5	QPSK	12	7	21.76	21.78	21.67	21.51	21.55	23.5	1
5	QPSK	12	13	21.79	21.72	21.81	21.54	21.87		
5	QPSK	25	0	21.75	21.74	21.89	21.64	21.60		
5	16QAM	1	0	21.78	21.55	21.73	21.71	21.77		
5	16QAM	1	12	21.79	21.64	21.57	21.70	21.77	23.5	1
5	16QAM	1	24	21.70	21.73	21.74	21.75	21.65		
5	16QAM	12	0	20.68	20.78	20.67	20.54	20.64		
5	16QAM	12	7	20.84	20.68	20.84	20.56	20.55		
5	16QAM	12	13	20.80	20.70	20.74	20.58	20.51	22.5	2
5	16QAM	25	0	20.96	20.80	20.74	20.88	20.63		
5	64QAM	1	0	20.59	20.94	20.77	20.58	20.78		
5	64QAM	1	12	20.94	20.63	20.82	20.64	20.79		
5	64QAM	1	24	20.84	20.70	20.92	20.80	20.76	22.5	2
5	64QAM	12	0	19.66	19.79	19.72	19.63	19.76		
5	64QAM	12	7	19.86	19.70	19.73	19.59	19.63		
5	64QAM	12	13	19.78	19.70	19.86	19.61	19.52		
5	64QAM	25	0	19.84	19.61	19.72	19.58	19.62	19.5	5
5	256QAM	1	0	17.89	17.74	17.88	17.74	17.69		
5	256QAM	1	12	17.68	17.72	17.76	17.78	17.81		
5	256QAM	1	24	17.71	17.83	17.79	17.73	17.76		
5	256QAM	12	0	17.96	17.76	18.00	17.73	17.78	19.5	5
5	256QAM	12	7	17.86	17.77	17.88	17.64	17.69		
5	256QAM	12	13	17.94	17.84	18.02	17.67	17.92		
5	256QAM	25	0	17.83	17.73	17.91	17.82	17.79		

GSM1900 Ant3 DSIS

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	30.02	29.88	30.01	30.50	21.02	20.88	21.01	21.50
GSM 1 Tx slot	29.93	29.75	29.74	30.50	20.93	20.75	20.74	21.50
GPRS 2 Tx slots	26.76	26.57	26.43	27.50	20.76	20.57	20.43	21.50
GPRS 3 Tx slots	24.57	24.68	24.83	25.50	20.31	20.42	20.57	21.24
GPRS 4 Tx slots	23.31	23.32	23.19	24.50	20.31	20.32	20.19	21.50
EDGE 1 Tx slot	25.73	25.78	25.98	26.50	16.73	16.78	16.98	17.50
EDGE 2 Tx slots	22.45	22.39	22.33	24.00	16.45	16.38	16.33	18.00
EDGE 3 Tx slots	20.60	20.66	20.82	21.50	16.34	16.40	16.56	17.24
EDGE 4 Tx slots	18.92	19.04	19.27	20.50	15.92	16.04	16.27	17.50

WCDMA II Ant3 DSIS

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
TX Channel	9662	9800	9938		1537	1638	1738	
Rx Channel	1552.4	1580	1607.6		1742.4	1722.3	1752.5	
Frequency (MHz)	20.98	21.07	20.92	22.00	20.85	20.97	20.86	22.00
3GPP Rel 99	21.05	21.12	20.95	22.00	20.93	21.04	20.89	22.00
3GPP Rel 6	19.97	19.96	19.74	21.00	19.90	19.99	19.80	21.00
3GPP Rel 6	19.93	19.94	19.56	21.00	19.87	19.97	19.84	21.00
3GPP Rel 6	19.45	19.43	19.24	20.50	19.39	19.55	19.34	20.50
3GPP Rel 6	19.46	19.39	19.29	20.50	19.41	19.49	19.30	20.50
3GPP Rel 8	19.92	19.86	19.80	21.00	19.97	19.88	19.70	21.00
3GPP Rel 8	19.86	19.83	19.63	21.00	19.75	19.99	19.95	21.00
3GPP Rel 8	19.36	19.47	19.17	20.50	19.27	19.62	19.27	20.50
3GPP Rel 8	19.55	19.45	19.33	20.50	19.40	19.52	19.30	20.50
3GPP Rel 6	19.97	19.94	19.72	21.00	19.83	20.00	19.79	21.00
3GPP Rel 6	17.94	17.92	17.72	19.00	17.87	18.00	17.75	19.00
3GPP Rel 6	18.96	18.89	18.75	20.00	18.83	18.93	18.69	20.00
3GPP Rel 6	17.94	17.94	17.75	19.00	17.84	17.98	17.81	19.00
3GPP Rel 6	20.00	19.90	19.80	21.00	19.80	20.00	19.80	21.00

Band 2 Ant3 DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Med Ch / Freq.	Power High Ch / Freq.	Turn-up time (dB)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.35	21.44	21.32			
20	QPSK	1	48	21.35	21.32	21.35	22.5	0	
20	QPSK	1	96	21.22	21.16	21.19			
20	QPSK	50	0	21.37	21.43	21.31			
20	QPSK	50	24	21.38	21.31	21.32			
20	QPSK	50	50	21.34	21.24	21.21	22.5	0	
20	QPSK	100	0	21.30	21.39	21.27			
20	QPSK	100	0	21.32	21.28	21.35			
20	HQAM	1	48	21.38	21.31	21.25	22.5	0	
20	HQAM	1	96	21.32	21.23	21.42			
20	HQAM	50	0	21.38	21.38	21.32			
20	HQAM	50	24	21.30	21.36	21.33	22.5	0	
20	HQAM	50	50	21.41	21.28	21.25			
20	HQAM	100	0	21.42	21.34	21.39			
20	HQAM	1	0	21.39	21.35	21.30			
20	HQAM	1	48	21.32	21.32	21.36	22.5	0	
20	HQAM	50	0	21.33	21.31	21.30			
20	HQAM	50	24	21.43	21.33	21.36	22.5	0	
20	HQAM	50	50	21.38	21.38	21.35			
20	HQAM	100	0	21.43	21.32	21.30			
20	SSBQAM	1	99	19.16	19.13	19.13			
20	SSBQAM	1	99	19.42	19.40	19.41			
20	SSBQAM	50	24	19.38	19.39	19.37	20.5	2	
20	SSBQAM	50	50	19.32	19.19	19.17			
20	SSBQAM	100	0	19.25	19.27	19.25			
Channel									
Frequency (MHz)									
15	QPSK	1	0	19.575	19.600	19.575	Infra-red	MPE (dB)	
15	QPSK	1	37	19.575	19.55	19.600			
15	QPSK	1	74	21.15	21.15	21.07			
15	QPSK	36	0	21.18	21.39	21.28			
15	QPSK	36	20	21.17	21.18	21.25	22.5	0	
15	QPSK	36	36	21.18	21.21	21.01			
15	QPSK	75	0	21.24	21.19	21.27			
15	QPSK	75	0	21.16	21.18	21.14			
15	HQAM	1	37	21.38	21.20	21.04	22.5	0	
15	HQAM	1	74	21.34	21.25	21.22			
15	HQAM	36	0	21.32	21.29	21.33			
15	HQAM	36	20	21.21	21.15	21.38	22.5	0	
15	HQAM	36	36	21.25	21.25	21.25			
15	HQAM	75	0	21.25	21.33	21.12			
15	HQAM	1	0	21.27	21.27	21.34	22.5	0	
15	HQAM	1	37	21.14	21.26	21.12			
15	HQAM	1	74	21.39	21.10	21.08			
15	HQAM	36	0	21.40	21.33	21.27			
15	HQAM	36	20	21.42	21.30	21.38	22.5	0	
15	HQAM	36	36	21.39	21.23	21.25			
15	HQAM	75	0	21.43	21.31	21.20			
15	HQAM	1	0	19.23	19.29	19.25	20.5	2	
15	SSBQAM	1	37	19.29	19.24	19.30			
15	SSBQAM	1	74	19.10	19.03	19.02			
15	SSBQAM	36	0	19.24	19.24	19.24			
15	SSBQAM	36	20	19.27	19.38	19.35	20.5	2	
15	SSBQAM	36	36	19.23	19.12	19.09			
15	SSBQAM	75	0	19.18	19.28	19.31			
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.17	21.10	21.16	22.5	0	
10	QPSK	1	25	21.30	21.10	21.18			
10	QPSK	1	49	21.13	21.04	21.15			
10	QPSK	25	0	21.25	21.25	21.25			
10	QPSK	25	12	21.20	21.24	21.13	22.5	0	
10	QPSK	25	25	21.17	21.14	21.18			
10	QPSK	50	0	21.12	21.26	21.15			
10	HQAM	1	0	21.32	21.28	21.29			
10	HQAM	1	25	21.38	21.16	21.25	22.5	0	
10	HQAM	1	49	21.28	21.09	21.15			
10	HQAM	25	0	21.27	21.23	21.10			
10	HQAM	25	12	21.13	21.23	21.21	22.5	0	
10	HQAM	25	25	21.21	21.18	21.25			
10	HQAM	50	0	21.42	21.14	21.14			
10	HQAM	1	0	21.17	21.20	21.23	22.5	0	
10	HQAM	1	25	21.20	21.31	21.25			
10	HQAM	1	49	21.32	21.00	21.16			
10	HQAM	25	0	21.37	21.32	21.13	22.5	0	
10	HQAM	25	12	21.26	21.25	21.17			
10	HQAM	25	25	21.25	21.07	21.17			
10	HQAM	50	0	21.32	21.25	21.15			
10	SSBQAM	1	25	19.14	19.32	19.05	20.5	2	
10	SSBQAM	1	49	18.96	19.02	19.00			
10	SSBQAM	25	0	19.39	19.36	19.42			
10	SSBQAM	25	12	19.17	19.33	19.38	20.5	2	
10	SSBQAM	25	25	19.28	19.08	19.05			
10	SSBQAM	50	0	19.16	19.27	19.33			
Channel									
Frequency (MHz)									
5	QPSK	1	0	21.25	21.25	21.25	22.5	0	
5	QPSK	1	12	21.08	21.27	21.11			
5	QPSK	1	24	21.03	21.01	21.11			
5	QPSK	12	0	21.18	21.25	21.15			
5	QPSK	12	7	21.28	21.06	21.06	22.5	0	
5	QPSK	12	13	21.10	21.11	20.97			
5	QPSK	25	0	21.13	21.27	21.15			
5	HQAM	1	0	21.06	21.18	21.22	22.5	0	
5	HQAM	1	12	21.31	21.24	21.06			
5	HQAM	1	24	21.16	21.13	21.13			
5	HQAM	12	0	21.27	21.14	21.23			
5	HQAM	12	7	21.18	21.23	21.10	22.5	0	
5	HQAM	12	13	21.32	21.02	21.07			
5	HQAM	25	0	21.31	21.29	21.03			
5	HQAM	1	0	21.23	21.19	21.19	22.5	0	
5	HQAM	1	12	21.07	21.07	21.17			
5	HQAM	1	24	21.29	21.09	21.18			
5	HQAM	12	0	21.30	21.25	21.27			
5	HQAM	12	7	21.34	21.18	21.08	22.5	0	
5	HQAM	12	13	21.18	21.23	21.10			
5	HQAM	25	0	21.18	21.10	21.23			
5	HQAM	1	0	19.14	19.21	19.14			
5	SSBQAM	1	12	19.23	19.15	18.96	20.5	2	
5	SSBQAM	1	24	19.03	18.97	19.06			
5	SSBQAM	12	0	19.17	19.35	19.17			
5	SSBQAM	12	7	19.25	19.33	19.11	20.5	2	
5	SSBQAM	12	13	19.26	19.18	18.96			
5	SSBQAM	25	0	19.39	19.42	19.27			
Channel									
Frequency (MHz)									
3	QPSK	1	0	21.35	21.30	21.20			
3	QPSK	1	8	21.08	21.27	21.11	22.5	0	
3	QPSK	1	14	21.02	20.93	21.13			
3	QPSK	8	0	21.18	21.28	21.25			
3	QPSK	8	4	21.20	21.20	21.08	22.5	0	
3	QPSK	8	7	21.15	20.97	21.14			
3	QPSK	16	0	21.05	21.19	21.09			
3	HQAM	1	0	21.11	21.15	21.22			
3	HQAM	1	8	21.23	21.07	21.11	22.5	0	
3	HQAM	1	14	21.06	21.12	21.37			
3	HQAM	8	0	21.34	21.20	21.27			
3	HQAM	8	4	21.26	21.11	21.08	22.5	0	
3	HQAM	8	7	21.38	21.15	21.19			
3	HQAM	16	0	21.36	21.22	21.16			
3	HQAM	1	0	21.20	21.10	21.17	22.5	0	
3	HQAM	1	8	21.16	21.25	21.31			
3	HQAM	1	14	21.17	21.08	21.16			
3	HQAM	8	0	21.35	21.19	21.39			
3	HQAM	8	7	21.39	21.17	21.17	22.5	0	
3	HQAM	8	7	21.21	21.12	21.17			
3	HQAM	16	0	19.04	19.24	19.24			
3	SSBQAM	1	0	19.21	19.21	19.24	20.5	2	
3	SSBQAM	1	8	19.21	19.15	19.24			
3	SSBQAM	8	0	19.31	19.32	19.17	20.5	2	
3	SSBQAM	8	7	19.27	19.30	19.15			
3	SSBQAM	16	0	19.19	19.35	19.15			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	21.17	21.26	21.21			
1.4	QPSK	1	3	21.25	21.16	20.96	22.5	0	
1.4	QPSK	1	5	20.97	20.95	20.95			
1.4	QPSK	3	0	21.07	21.15	21.13			
1.4	QPSK	3	1	21.09	21.08	21.19			
1.4	QPSK	3	3	21.17	20.99	20.94	22.5	0	
1.4	QPSK	6	0	21.19	21.08	20.96			
1.4	HQAM	1	0	21.14	21.17	21.20			
1.4	HQAM	1	3	21.13	21.16	21.15			
1.4	HQAM	1	5	21.09	21.01	21.02	22.5	0	
1.4	HQAM	3	0	21.21	21.25	21.1			
1.4	HQAM	3	3	21.14	21.14	21.16			
1.4	HQAM	3	5	21.10	21.11	21.02	22.5	0	
1.4	HQAM	6	0	21.20	21.14	21.16			
1.4	HQAM	6	3	21.19	21.19	21.17			
1.4	HQAM	6	5	21.19	20.96	20.96			
1.4	HQAM	3	0	21.27	21.17	21.07	22.5	0	
1.4	SSBQAM	1	3	19.09	19.16	18.88			
1.4	SSBQAM	1	5	18.86	18.86	18.92	20.5	2	
1.4	SSBQAM	3	0	19.25	19.25	19.32			
1.4	SSBQAM	3	1	19.12	19.12	19.18			
1.4	SSBQAM	3	3	19.22	18.94	18.96	20.5	2	

Band 25 Ant3 D53												
BN [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.38	22.45	22.29	23.5	0				
20	QPSK	1	49	22.44	22.42	22.27						
20	QPSK	1	99	22.23	22.30	22.26						
20	QPSK	50	0	22.29	22.44	22.38						
20	QPSK	50	24	22.29	22.38	22.37	23.5	0				
20	QPSK	50	50	22.31	22.42	22.32						
20	QPSK	100	0	22.33	22.35	22.30						
20	16QAM	1	0	22.33	22.29	22.28						
20	16QAM	1	49	22.34	22.38	22.37	23.5	0				
20	16QAM	1	99	22.32	22.35	22.28						
20	16QAM	50	0	22.29	22.30	22.40						
20	16QAM	50	24	22.31	22.28	22.38						
20	16QAM	50	50	22.29	22.44	22.36	23.5	0				
20	16QAM	100	0	22.37	22.31	22.28						
20	16QAM	1	0	22.29	22.33	22.31						
20	8QAM	1	49	22.41	22.32	22.34						
20	8QAM	1	99	22.43	22.42	22.33	23.5	0				
20	8QAM	50	0	21.32	21.43	21.38						
20	8QAM	50	24	21.34	21.32	21.38						
20	8QAM	50	50	21.29	21.38	21.35						
20	256QAM	1	49	19.35	19.41	19.22	20.5	3				
20	256QAM	1	49	19.10	19.23	19.31						
20	256QAM	1	99	19.27	19.09	19.15						
20	256QAM	1	99	19.16	19.36	19.28						
20	256QAM	50	24	19.28	19.19	19.24	20.5	3				
20	256QAM	50	50	19.35	19.31	19.32						
20	256QAM	100	0	19.35	19.40	19.34						
20	256QAM	100	0	19.35	19.40	19.34						
Channel												
Frequency (MHz)												
15	QPSK	1	0	18.57	18.60	18.67	23.5	0				
15	QPSK	1	37	22.31	22.41	22.11						
15	QPSK	1	74	22.20	22.11	22.13						
15	QPSK	36	0	22.21	22.33	22.24						
15	QPSK	36	20	22.14	22.21	22.28	23.5	0				
15	QPSK	36	36	22.21	22.34	22.28						
15	QPSK	75	0	22.27	22.32	22.12						
15	16QAM	1	0	22.33	22.31	22.09						
15	16QAM	1	37	22.26	22.24	22.19	23.5	0				
15	16QAM	1	74	22.17	22.18	22.22						
15	16QAM	36	0	22.12	22.14	22.22						
15	16QAM	36	20	22.12	22.18	22.22						
15	16QAM	36	36	22.25	22.26	22.25	23.5	0				
15	16QAM	75	0	22.21	22.24	22.24						
15	8QAM	1	0	22.17	22.18	22.12						
15	8QAM	1	37	22.43	22.39	22.23						
15	8QAM	1	74	22.38	22.35	22.07	22.5	1				
15	8QAM	36	0	21.20	21.38	21.27						
15	8QAM	36	20	21.34	21.36	21.28						
15	8QAM	36	36	21.13	21.25	21.24						
15	8QAM	75	0	21.17	21.32	21.58	20.5	3				
15	256QAM	1	0	19.35	19.42	19.23						
15	256QAM	1	37	19.12	19.18	19.26						
15	256QAM	1	74	19.24	19.17	19.13						
15	256QAM	36	0	19.13	19.32	19.31	20.5	3				
15	256QAM	36	20	19.27	19.20	19.28						
15	256QAM	36	39	19.39	19.30	19.36						
15	256QAM	75	0	19.38	19.40	19.34						
15	256QAM	75	0	19.38	19.40	19.34						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.17	22.34	22.17	23.5	0				
10	QPSK	1	25	22.25	22.38	22.14						
10	QPSK	1	49	22.10	22.27	22.05						
10	QPSK	25	0	22.13	22.31	22.28						
10	QPSK	25	12	22.13	22.31	22.28	23.5	0				
10	QPSK	25	25	22.23	22.31	22.20						
10	16QAM	1	0	22.19	22.18	22.12						
10	16QAM	1	0	22.25	22.10	22.18						
10	16QAM	1	25	22.17	22.28	22.21	23.5	0				
10	16QAM	1	49	22.17	22.38	22.22						
10	16QAM	25	0	22.18	22.10	22.25						
10	16QAM	25	12	22.21	22.22	22.32						
10	16QAM	25	25	22.26	22.41	22.28	23.5	0				
10	16QAM	50	0	22.38	22.14	22.29						
10	8QAM	1	0	22.30	22.29	22.14						
10	8QAM	1	25	22.34	22.30	22.14						
10	8QAM	1	49	22.29	22.25	22.24	22.5	1				
10	8QAM	25	0	21.25	21.40	21.34						
10	8QAM	25	12	21.34	21.21	21.27						
10	8QAM	25	25	21.29	21.13	21.15						
10	256QAM	1	0	19.31	19.47	19.35	20.5	3				
10	256QAM	1	25	19.22	19.14	19.27						
10	256QAM	1	49	19.20	19.17	19.10						
10	256QAM	25	0	19.14	19.33	19.31						
10	256QAM	25	12	19.21	19.25	19.31	20.5	3				
10	256QAM	25	25	19.38	19.26	19.41						
10	256QAM	50	0	19.37	19.50	19.37						
10	256QAM	50	0	19.37	19.50	19.37						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.13	22.28	22.15	23.5	0				
5	QPSK	1	12	22.10	22.36	22.18						
5	QPSK	1	24	22.14	22.16	22.07						
5	QPSK	12	0	22.16	22.33	22.12						
5	QPSK	12	7	22.26	22.23	22.29	23.5	0				
5	QPSK	12	13	22.16	22.29	22.27						
5	QPSK	25	0	22.10	22.18	22.14						
5	16QAM	1	0	22.29	22.08	22.09						
5	16QAM	1	12	22.19	22.29	22.34	23.5	0				
5	16QAM	1	24	22.08	22.28	22.11						
5	16QAM	12	0	22.03	22.22	22.17						
5	16QAM	12	13	22.24	22.03	22.26						
5	16QAM	12	13	22.32	22.40	22.23	23.5	0				
5	16QAM	25	0	22.29	22.26	22.26						
5	8QAM	1	0	22.20	22.20	22.21						
5	8QAM	1	12	22.37	22.18	22.27						
5	8QAM	1	24	22.39	22.34	22.28	22.5	1				
5	8QAM	12	0	21.08	21.17	21.19						
5	8QAM	12	7	21.13	21.13	21.23						
5	8QAM	12	13	21.18	20.99	21.28						
5	8QAM	25	0	21.10	21.29	21.28	22.5	1				
5	8QAM	25	12	21.13	21.13	21.23						
5	8QAM	25	13	21.18	20.99	21.28						
5	8QAM	25	25	21.23	21.04	21.13						
5	8QAM	25	25	21.23	21.04	21.13						
5	8QAM	25	25	21.23	21.04	21.13						
5	256QAM	1	0	19.30	19.45	19.28	20.5	3				
5	256QAM	1	12	19.22	19.15	19.28						
5	256QAM	1	24	19.18	19.18	19.18						
5	256QAM	12	0	19.14	19.32	19.35						
5	256QAM	12	13	19.28	19.25	19.34						
5	256QAM	25	0	19.40	19.45	19.38						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.13	22.23	22.06	23.5	0				
3	QPSK	1	12	22.14	22.28	22.06						
3	QPSK	1	14	22.03	22.09	22.05						
3	QPSK	8	0	22.06	22.23	22.15						
3	QPSK	8	7	22.27	22.27	22.27	23.5	0				
3	QPSK	8	8	22.14	22.16	22.15						
3	16QAM	1	0	22.29	22.12	22.08						
3	16QAM	1	14	22.11	22.20	22.21						
3	16QAM	1	14	22.11	22.20	22.21	23.5	0				
3	16QAM	8	4	22.17	22.24	22.18						
3	16QAM	8	7	22.28	22.32	22.32						
3	16QAM	8	8	22.17	22.18	22.21						
3	8QAM	1	0	22.36	22.09	22.12	23.5	0				
3	8QAM	1	8	22.16	22.14	22.16						
3	8QAM	8	4	21.27	21.24	21.31						
3	8QAM	8	4	21.27	21.24	21.31						
3	8QAM	16	0	21.22	21.15	21.18	22.5	1				
3	8QAM	16	8	21.30	21.19	21.18						
3	8QAM	16	8	21.30	21.19	21.18						
3	8QAM	16	8	21.30	21.19	21.18						
3	256QAM	1	0	19.33	19.42	19.30	20.5	3				
3	256QAM	1	8	19.25	19.46	19.31						
3	256QAM	1	14	19.18	19.39	19.38						
3	256QAM	8	4	19.22	19.28	19.35						
3	256QAM	8	7	19.45	19.19	19.32						
3	256QAM	8	7	19.45	19.19	19.32						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.07	22.24	22.06	23.5	0				
1.4	QPSK	1	8	22.14	22.28	22.08						
1.4	QPSK	1	8	22.03	21.99	22.05						
1.4	QPSK	1	8	22.11	22.12	22.12						
1.4	QPSK	3	3	22.10	22.24	22.14	23.5	0				
1.4	QPSK	3	3	22.09	22.27	22.11						
1.4	QPSK	3	3	22.11	22.19	22.09						
1.4	16QAM	1	0	22.01	22.03	22.01						
1.4	16QAM	1	3	22.15	22.30	22.17	23.5	0				
1.4	16QAM	1	3	22.04	22.24	22.17						
1.4	16QAM	3	3	22.15	22.12	22.15						
1.4	16QAM	3	3	22.02	22.00	22.11						
1.4	16QAM	3	3	22.17	22.23	22.20	23.5	0				
1.4	16QAM	3	3	22.07	22.25	22.20						
1.4	16QAM	3	3	22.17	22.22	22.22						
1.4	16QAM	3	3	22.17	22.22	22.22						
1.4	8QAM	1	0	21.99	22.04	21.91	23.5	0				
1.4	8QAM	1	0	21.99	22.04	21.91						
1.4	8QAM	8	0	21.00	21.21	21.21						
1.4	8QAM	8	0									

Band 38 Ant3 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	24.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.42	23.49	23.35			
20	QPSK	1	49	23.33	23.43	23.42	24.5	0	
20	QPSK	1	99	23.46	23.46	23.38			
20	QPSK	50	0	23.38	23.47	23.30			
20	QPSK	50	24	23.39	23.43	23.41	24.5	0	
20	QPSK	50	50	23.44	23.40	23.39			
20	QPSK	100	0	23.40	23.44	23.40			
20	16QAM	1	0	23.40	23.30	23.44	24.5	0	
20	16QAM	1	49	23.31	23.47	23.35			
20	16QAM	1	99	23.40	23.31	23.32			
20	16QAM	50	0	22.34	22.33	22.32	23.5	1	
20	16QAM	50	24	22.52	22.46	22.43			
20	16QAM	50	50	22.47	22.40	22.38			
20	16QAM	100	0	22.45	22.41	22.38	23.5	1	
20	64QAM	1	0	22.35	22.29	22.29			
20	64QAM	1	49	22.08	22.21	22.39			
20	64QAM	1	99	22.37	22.30	22.36	22.5	2	
20	64QAM	50	0	21.37	21.32	21.32			
20	64QAM	50	24	21.48	21.43	21.44			
20	64QAM	50	50	21.44	21.41	21.38	20.5	4	
20	64QAM	100	0	21.41	21.39	21.38			
20	256QAM	1	0	19.43	19.52	19.41			
20	256QAM	1	49	19.31	19.52	19.50	20.5	4	
20	256QAM	1	99	19.34	19.36	19.28			
20	256QAM	50	0	19.39	19.54	19.32			
20	256QAM	50	24	19.46	19.36	19.47	20.5	4	
20	256QAM	50	50	19.46	19.43	19.36			
20	256QAM	100	0	19.29	19.55	19.49			
Channel				37875	38000	38175	24.5	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.41	23.31	23.14			
15	QPSK	1	37	23.13	23.26	23.38	24.5	0	
15	QPSK	1	74	23.37	23.45	23.37			
15	QPSK	36	0	23.23	23.38	23.08	24.5	0	
15	QPSK	36	20	23.21	23.37	23.22			
15	QPSK	36	39	23.23	23.37	23.17			
15	QPSK	75	0	23.24	23.41	23.27	24.5	0	
15	16QAM	1	0	23.27	23.16	23.25			
15	16QAM	1	37	23.13	23.47	23.28			
15	16QAM	1	74	23.33	23.10	23.33	23.5	1	
15	16QAM	36	0	22.15	22.34	22.11			
15	16QAM	36	20	22.43	22.33	22.37			
15	16QAM	36	39	22.40	22.28	22.32	23.5	1	
15	16QAM	75	0	22.33	22.37	22.37			
15	64QAM	1	0	22.15	22.23	22.26			
15	64QAM	1	37	21.99	22.09	22.29	23.5	1	
15	64QAM	1	74	22.20	22.08	22.30			
15	64QAM	36	0	21.22	21.31	21.16			
15	64QAM	36	20	21.32	21.36	21.25	22.5	2	
15	64QAM	36	39	21.32	21.42	21.35			
15	64QAM	75	0	21.26	21.41	21.35			
15	256QAM	1	0	19.27	19.40	19.40	20.5	4	
15	256QAM	1	37	19.28	19.33	19.44			
15	256QAM	1	74	19.24	19.26	19.23			
15	256QAM	36	0	19.23	19.46	19.32	20.5	4	
15	256QAM	36	20	19.26	19.36	19.42			
15	256QAM	36	39	19.27	19.35	19.27			
15	256QAM	75	0	19.17	19.54	19.41	24.5	0	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.28	23.44	23.10	24.5	0	
10	QPSK	1	25	23.18	23.25	23.37			
10	QPSK	1	49	23.29	23.20	23.20			
10	QPSK	25	0	23.16	23.41	23.24	24.5	0	
10	QPSK	25	12	23.27	23.33	23.26			
10	QPSK	25	25	23.40	23.26	23.25			
10	QPSK	50	0	23.34	23.25	23.18	24.5	0	
10	16QAM	1	0	23.37	23.22	23.20			
10	16QAM	1	25	23.10	23.38	23.17			
10	16QAM	1	49	23.21	23.19	23.05	23.5	1	
10	16QAM	25	0	22.10	22.15	22.06			
10	16QAM	25	12	22.27	22.25	22.18			
10	16QAM	25	25	22.37	22.33	22.31	23.5	1	
10	16QAM	50	0	22.31	22.31	22.16			
10	64QAM	1	0	22.20	22.12	22.19			
10	64QAM	1	25	22.03	21.97	22.15	23.5	1	
10	64QAM	1	49	22.33	22.25	22.10			
10	64QAM	25	0	21.13	21.11	21.17			
10	64QAM	25	12	21.33	21.21	21.24	22.5	2	
10	64QAM	25	25	21.33	21.37	21.16			
10	64QAM	50	0	21.23	21.31	21.24			
10	256QAM	1	0	19.35	19.25	19.28	20.5	4	
10	256QAM	1	25	19.14	19.32	19.26			
10	256QAM	1	49	19.09	19.30	19.03			
10	256QAM	25	0	19.14	19.31	19.43	20.5	4	
10	256QAM	25	12	19.21	19.31	19.43			
10	256QAM	25	25	19.25	19.30	19.09			
10	256QAM	50	0	19.07	19.38	19.33	24.5	0	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.12	23.18	23.17	24.5	0	
5	QPSK	1	12	23.08	23.11	23.16			
5	QPSK	1	24	23.21	23.15	23.16			
5	QPSK	12	0	23.23	23.26	23.01	24.5	0	
5	QPSK	12	7	23.19	23.14	23.31			
5	QPSK	12	13	23.12	23.21	23.12			
5	QPSK	25	0	23.29	23.24	23.12	24.5	0	
5	16QAM	1	0	23.20	23.06	23.30			
5	16QAM	1	12	23.07	23.31	23.06			
5	16QAM	1	24	23.24	23.18	23.23	23.5	1	
5	16QAM	12	0	22.22	22.21	22.04			
5	16QAM	12	7	22.29	22.16	22.19			
5	16QAM	12	13	22.39	22.14	22.23	23.5	1	
5	16QAM	25	0	22.24	22.22	22.10			
5	64QAM	1	0	22.05	22.20	22.20			
5	64QAM	1	12	21.94	21.91	22.08	23.5	1	
5	64QAM	1	24	22.23	22.02	22.26			
5	64QAM	12	0	21.22	21.17	21.04			
5	64QAM	12	7	21.22	21.12	21.18	22.5	2	
5	64QAM	12	13	21.33	21.26	21.09			
5	64QAM	25	0	21.32	21.12	21.27			
5	256QAM	1	0	19.19	19.33	19.27	20.5	4	
5	256QAM	1	12	19.01	19.31	19.38			
5	256QAM	1	24	19.18	19.11	18.99			
5	256QAM	12	0	19.11	19.28	19.19	20.5	4	
5	256QAM	12	7	19.35	19.26	19.20			
5	256QAM	12	13	19.23	19.24	19.10			
5	256QAM	25	0	19.20	19.27	19.30	24.5	0	

Band 41 Ant3_DS13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	24.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.37	23.34	23.50	23.48	23.35	24.5	0
20	QPSK	1	49	23.36	23.36	23.48	23.37	23.26		
20	QPSK	1	99	23.22	23.37	23.42	23.41	23.19		
20	QPSK	50	0	23.25	23.24	23.46	23.32	23.28		
20	QPSK	50	24	23.33	23.36	23.36	23.35	23.28	24.5	0
20	QPSK	50	50	23.29	23.36	23.44	23.38	23.22		
20	QPSK	100	0	23.30	23.35	23.43	23.31	23.24		
20	16QAM	1	0	23.23	23.20	23.41	23.39	23.27		
20	16QAM	1	49	23.38	23.34	23.39	23.43	23.41	24.5	0
20	16QAM	1	99	23.17	23.31	23.36	23.29	23.21		
20	16QAM	50	0	22.27	22.27	22.38	22.37	22.30		
20	16QAM	50	24	22.35	22.37	22.43	22.35	22.26		
20	16QAM	50	50	22.29	22.32	22.41	22.38	22.21	23.5	1
20	16QAM	100	0	22.31	22.35	22.45	22.33	22.26		
20	64QAM	1	0	22.25	22.20	22.37	22.38	22.20		
20	64QAM	1	49	22.23	22.32	22.36	22.34	22.26		
20	64QAM	1	99	22.11	22.28	22.31	22.30	22.17	23.5	1
20	64QAM	50	0	21.23	21.23	21.38	21.34	21.30		
20	64QAM	50	24	21.33	21.37	21.45	21.35	21.28		
20	64QAM	50	50	21.27	21.36	21.43	21.37	21.23		
20	64QAM	100	0	21.33	21.33	21.43	21.32	21.26	22.5	2
20	256QAM	1	0	19.38	19.34	19.51	19.48	19.39		
20	256QAM	1	49	19.31	19.42	19.42	19.33	19.24		
20	256QAM	1	99	19.29	19.42	19.34	19.35	19.24		
20	256QAM	50	0	19.36	19.13	19.45	19.25	19.29	20.5	4
20	256QAM	50	24	19.28	19.41	19.42	19.40	19.39		
20	256QAM	50	50	19.29	19.39	19.31	19.42	19.24		
20	256QAM	100	0	19.40	19.27	19.46	19.30	19.12		
Channel				39725	40173	40620	41068	41515	24.50	0
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.38	23.26	23.34	23.41	23.16	24.50	0
15	QPSK	1	37	23.18	23.15	23.41	23.26	23.27		
15	QPSK	1	74	23.05	23.23	23.35	23.42	23.18		
15	QPSK	36	0	23.26	23.19	23.39	23.30	23.20		
15	QPSK	36	20	23.24	23.22	23.31	23.20	23.20	24.5	0
15	QPSK	36	39	23.13	23.22	23.43	23.25	23.07		
15	QPSK	75	0	23.29	23.36	23.33	23.27	23.21		
15	16QAM	1	0	23.24	23.11	23.27	23.35	23.19		
15	16QAM	1	37	23.26	23.35	23.32	23.23	23.41	24.5	0
15	16QAM	1	74	23.04	23.26	23.27	23.20	23.20		
15	16QAM	36	0	22.09	22.25	22.35	22.21	22.20		
15	16QAM	36	20	22.30	22.27	22.39	22.27	22.25		
15	16QAM	36	39	22.12	22.31	22.29	22.37	22.08	23.5	1
15	16QAM	75	0	22.24	22.16	22.34	22.18	22.03		
15	64QAM	1	0	22.21	22.16	22.34	22.17	22.19		
15	64QAM	1	37	22.02	22.20	22.22	22.29	22.22		
15	64QAM	1	74	21.95	22.26	22.24	22.29	22.02	23.5	1
15	64QAM	36	0	21.09	21.01	21.29	21.30	21.22		
15	64QAM	36	20	21.28	21.32	21.35	21.22	21.16		
15	64QAM	36	39	21.29	21.25	21.36	21.25	21.09		
15	64QAM	75	0	21.27	21.22	21.29	21.10	21.18	20.5	4
15	256QAM	1	0	19.26	19.28	19.32	19.34	19.35		
15	256QAM	1	37	19.24	19.38	19.32	19.17	19.04		
15	256QAM	1	74	19.12	19.28	19.13	19.31	19.09		
15	256QAM	36	0	19.20	18.94	19.33	19.11	19.24	20.5	4
15	256QAM	36	20	19.07	19.21	19.28	19.19	19.26		
15	256QAM	36	39	19.27	19.31	19.14	19.24	19.04		
15	256QAM	75	0	19.33	19.17	19.35	19.18	18.99		
Channel				39700	40160	40620	41080	41540	24.50	0
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.27	23.22	23.35	23.39	23.23	24.50	0
10	QPSK	1	25	23.16	23.15	23.35	23.23	23.08		
10	QPSK	1	49	23.06	23.27	23.24	23.29	23.02		
10	QPSK	25	0	23.13	23.11	23.33	23.17	23.12		
10	QPSK	25	12	23.19	23.20	23.18	23.16	23.18	24.5	0
10	QPSK	25	25	23.17	23.20	23.25	23.28	23.09		
10	QPSK	50	0	23.12	23.25	23.26	23.12	23.04		
10	16QAM	1	0	23.10	23.00	23.22	23.20	23.09		
10	16QAM	1	25	23.25	23.15	23.23	23.28	23.27	24.5	0
10	16QAM	1	49	23.03	23.15	23.26	23.11	23.05		
10	16QAM	25	0	22.14	22.15	22.21	22.20	22.18		
10	16QAM	25	12	22.14	22.20	22.29	22.17	22.12		
10	16QAM	25	25	22.18	22.13	22.31	22.17	22.04	23.5	1
10	16QAM	50	0	22.17	22.25	22.24	22.17	22.12		
10	64QAM	1	0	22.15	22.00	22.24	22.29	22.01		
10	64QAM	1	25	22.09	22.18	22.22	22.15	22.06		
10	64QAM	1	49	21.97	22.11	22.19	22.19	22.02	23.5	1
10	64QAM	25	0	21.07	21.13	21.24	21.16	21.18		
10	64QAM	25	12	21.16	21.20	21.30	21.15	21.14		
10	64QAM	25	25	21.17	21.21	21.28	21.17	21.08		
10	64QAM	50	0	21.14	21.21	21.24	21.18	21.15	22.5	2
10	256QAM	1	0	19.29	19.15	19.30	19.32	19.27		
10	256QAM	1	25	19.20	19.30	19.27	19.15	19.11		
10	256QAM	1	49	19.18	19.32	19.15	19.16	19.10		
10	256QAM	25	0	19.21	18.99	19.34	19.06	19.08	20.5	4
10	256QAM	25	12	19.19	19.30	19.32	19.23	19.30		
10	256QAM	25	25	19.13	19.24	19.15	19.23	19.11		
10	256QAM	50	0	19.26	19.17	19.33	19.16	18.99		
Channel				39675	40148	40620	41093	41565	24.50	0
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.19	23.10	23.35	23.39	23.14	24.50	0
5	QPSK	1	12	23.21	23.29	23.38	23.19	23.11		
5	QPSK	1	24	23.11	23.29	23.33	23.25	23.02		
5	QPSK	12	0	23.14	23.04	23.37	23.17	23.03		
5	QPSK	12	7	23.14	23.17	23.12	23.17	23.05	24.5	0
5	QPSK	12	13	23.15	23.26	23.29	23.17	23.08		
5	QPSK	25	0	23.23	23.28	23.25	23.14	23.06		
5	16QAM	1	0	23.01	23.00	23.29	23.15	23.17		
5	16QAM	1	12	23.21	23.15	23.28	23.30	23.30	24.5	0
5	16QAM	1	24	23.01	23.12	23.30	23.18	23.00		
5	16QAM	12	0	22.04	22.10	22.18	22.13	22.15		
5	16QAM	12	7	22.19	22.31	22.30	22.27	22.09		
5	16QAM	12	13	22.23	22.13	22.33	22.28	22.16	23.5	1
5	16QAM	25	0	22.14	22.16	22.28	22.13	22.02		
5	64QAM	1	0	22.18	22.06	22.29	22.30	22.14		
5	64QAM	1	12	22.12	22.18	22.30	22.23	22.10		
5	64QAM	1	24	22.03	22.05	22.22	22.14	21.98	23.5	1
5	64QAM	12	0	21.02	21.14	21.29	21.23	21.11		
5	64QAM	12	7	21.10	21.22	21.34	21.17	21.14		
5	64QAM	12	13	21.15	21.12	21.24	21.08	21.08		
5	64QAM	25	0	21.18	21.10	21.20	21.27	21.01	22.5	2
5	256QAM	1	0	19.28	19.23	19.40	19.31	19.31		
5	256QAM	1	12	19.22	19.21	19.36	19.24	19.01		
5	256QAM	1	24	19.12	19.32	19.15	19.28	19.04		
5	256QAM	12	0	19.19	18.97	19.36	19.10	19.17	20.5	4
5	256QAM	12	7	19.06	19.26	19.26	19.29	19.16		
5	256QAM	12	13	19.12	19.20	19.18	19.26	19.01		
5	256QAM	25	0	19.32	19.09	19.29	19.19	19.07		

GSM1900 AnH4 DSIS							
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
	512	661	810		512	661	810
TX Channel	1850.2	1880	1909.8	30.50	1850.2	1880	1909.8
Frequency (MHz)	29.72	29.53	29.50	20.72	20.53	20.50	21.50
GSM 1 Tx slot	29.48	29.77	29.86	30.50	20.48	20.77	20.86
GPRS 1 Tx slot	26.19	26.07	25.97	27.50	20.19	20.07	19.97
GPRS 2 Tx slots	24.55	24.77	24.63	25.50	20.29	20.51	20.37
GPRS 3 Tx slots	23.21	23.36	23.24	24.50	20.21	20.38	20.24
GPRS 4 Tx slots	25.18	25.59	25.25	26.50	16.18	16.59	16.25
EDGE 1 Tx slot	21.97	22.08	22.22	23.00	15.97	16.08	16.22
EDGE 2 Tx slots	20.22	20.64	20.39	21.50	15.96	16.38	16.13
EDGE 3 Tx slots	18.71	18.97	18.92	20.50	15.71	15.97	15.92
EDGE 4 Tx slots							17.50

WCDMA II AnH4 DSIS				WCDMA IV AnH4 DSIS			
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV		
	9262	9400	9538		1312	1443	1513
TX Channel	9662	9800	9938	1537	1638	1738	
Rx Channel	1852.4	1880	1907.6	1712.4	1739.6	1752.6	
Frequency (MHz)	19.87	20.04	19.60	21.00	18.93	18.94	19.04
3GPP Rel 99 AMR 12.2kbps	19.87	20.08	19.72	21.00	18.86	19.09	19.09
3GPP Rel 99 RMC 12.2kbps	19.41	18.96	19.40	20.00	18.00	17.76	17.88
3GPP Rel 6 HSDPA Subtest-1	19.43	18.97	19.43	20.00	17.56	17.87	17.71
3GPP Rel 6 HSDPA Subtest-2	18.91	18.53	18.71	19.50	17.50	17.39	17.28
3GPP Rel 6 HSDPA Subtest-3	18.75	18.42	18.72	19.50	17.22	17.43	17.11
3GPP Rel 6 HSDPA Subtest-4	18.07	18.86	19.11	20.00	18.00	17.80	17.85
3GPP Rel 8 DC-HSDPA Subtest-1	19.09	18.74	19.23	20.00	17.61	17.85	17.61
3GPP Rel 8 DC-HSDPA Subtest-2	18.76	18.45	18.63	19.50	17.49	17.38	17.05
3GPP Rel 8 DC-HSDPA Subtest-3	18.65	18.22	18.64	19.50	17.40	17.57	17.36
3GPP Rel 8 DC-HSDPA Subtest-4	19.29	18.80	18.82	20.00	17.70	17.61	18.04
3GPP Rel 6 HSUPA Subtest-1	17.38	17.00	16.95	18.00	15.66	15.77	15.63
3GPP Rel 6 HSUPA Subtest-2	18.20	17.80	17.74	19.00	16.82	17.03	16.74
3GPP Rel 6 HSUPA Subtest-3	17.33	16.92	16.91	18.00	15.59	15.59	15.63
3GPP Rel 6 HSUPA Subtest-4	19.28	18.94	18.84	20.00	17.49	17.66	17.69
3GPP Rel 6 HSUPA Subtest-5							19.00

Band 2 Ant4 DS13												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up Time (s)	Mbps (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	19.09	19.15	19.87	20.5	0				
20	QPSK	1	49	19.03	19.04	19.87						
20	QPSK	1	99	19.85	19.93	19.09						
20	QPSK	50	0	19.87	19.11	19.83						
20	QPSK	50	24	19.89	19.97	19.85	20.5	0				
20	QPSK	50	50	19.85	19.97	19.85						
20	QPSK	100	0	19.07	19.13	19.76						
20	HQAM	1	0	19.89	19.94	19.89						
20	HQAM	1	49	19.78	19.90	19.89	20.5	0				
20	HQAM	1	99	19.82	19.92	19.76						
20	HQAM	50	0	19.88	19.93	19.84						
20	HQAM	50	24	19.85	19.92	19.89						
20	HQAM	50	50	19.92	19.14	19.85	20.5	0				
20	HQAM	100	0	19.84	19.91	19.85						
20	HQAM	1	0	19.84	19.92	19.84						
20	HQAM	1	49	19.92	19.86	19.92						
20	HQAM	1	99	19.84	19.95	19.94	20.5	0				
20	HQAM	50	0	19.91	19.12	19.75						
20	HQAM	50	24	19.99	19.06	19.89						
20	HQAM	50	50	19.96	19.94	19.82						
20	HQAM	100	0	19.93	19.10	19.82	20.5	0				
20	HQAM	100	0	19.93	19.10	19.82						
Channel												
Frequency (MHz)												
15	QPSK	1	0	19.03	19.89	19.87	20.5	0				
15	QPSK	1	37	19.01	19.09	19.87						
15	QPSK	1	74	19.79	19.90	19.81						
15	QPSK	36	0	19.85	19.87	19.91						
15	QPSK	36	36	19.86	19.86	19.89	20.5	0				
15	QPSK	75	0	19.97	19.08	19.70						
15	HQAM	1	0	19.91	19.93	19.84						
15	HQAM	1	37	19.99	19.84	19.72						
15	HQAM	1	74	19.83	19.92	19.82	20.5	0				
15	HQAM	36	0	19.80	19.85	19.85						
15	HQAM	36	20	19.70	19.96	19.84						
15	HQAM	36	36	19.87	19.97	19.87						
15	HQAM	75	0	19.78	19.78	19.84	20.5	0				
15	HQAM	1	0	19.84	19.84	19.82						
15	HQAM	1	37	19.97	19.90	19.70						
15	HQAM	1	74	19.85	19.85	19.84						
15	HQAM	36	0	19.74	19.84	19.80	20.5	0				
15	HQAM	36	36	19.96	19.99	19.99						
15	HQAM	36	36	19.96	19.94	19.91						
15	HQAM	75	0	19.78	19.78	19.84						
15	HQAM	1	0	19.84	19.84	19.82	20.5	0				
15	HQAM	1	37	19.97	19.90	19.70						
15	HQAM	1	74	19.85	19.85	19.84						
15	HQAM	36	0	19.81	19.99	19.86						
15	HQAM	36	20	19.81	19.91	19.82	20.5	0				
15	HQAM	36	39	19.93	19.98	19.76						
15	HQAM	75	0	19.96	19.97	19.85						
15	HQAM	1	0	19.89	19.92	19.86						
15	HQAM	1	37	19.99	19.84	19.81	20.5	0				
15	HQAM	1	74	19.85	19.85	19.84						
15	HQAM	36	0	19.74	19.84	19.80						
15	HQAM	36	36	19.96	19.99	19.99						
15	HQAM	36	36	19.96	19.94	19.91	20.5	0				
15	HQAM	75	0	19.78	19.78	19.84						
15	HQAM	1	0	19.84	19.84	19.82						
15	HQAM	1	37	19.97	19.90	19.70						
15	HQAM	1	74	19.85	19.85	19.84	20.5	0				
15	HQAM	36	0	19.81	19.99	19.86						
15	HQAM	36	20	19.81	19.91	19.82						
15	HQAM	36	39	19.93	19.98	19.76						
15	HQAM	75	0	19.96	19.97	19.85	20.5	0				
15	HQAM	1	0	19.89	19.92	19.86						
15	HQAM	1	37	19.99	19.84	19.81						
15	HQAM	1	74	19.85	19.85	19.84						
15	HQAM	36	0	19.80	19.96	19.82	20.5	0				
15	HQAM	36	20	19.80	19.96	19.82						
15	HQAM	36	36	19.96	19.99	19.99						
15	HQAM	36	36	19.96	19.94	19.91						
15	HQAM	75	0	19.78	19.78	19.84	20.5	0				
15	HQAM	1	0	19.84	19.84	19.82						
15	HQAM	1	37	19.97	19.90	19.70						
15	HQAM	1	74	19.85	19.85	19.84						
15	HQAM	36	0	19.81	19.99	19.86	20.5	0				
15	HQAM	36	20	19.81	19.91	19.82						
15	HQAM	36	39	19.93	19.98	19.76						
15	HQAM	75	0	19.96	19.97	19.85						
15	HQAM	1	0	19.89	19.92	19.86	20.5	0				
15	HQAM	1	37	19.99	19.84	19.81						
15	HQAM	1	74	19.85	19.85	19.84						
15	HQAM	36	0	19.80	19.96	19.82						
15	HQAM	36	20	19.80	19.96	19.82	20.5	0				
15	HQAM	36	39	19.93	19.98	19.76						
15	HQAM	75	0	19.96	19.97	19.85						
15	HQAM	1	0	19.89	19.92	19.86						
15	HQAM	1	37	19.99	19.84	19.81	20.5	0				
15	HQAM	1	74	19.85	19.85	19.84						
15	HQAM	36	0	19.80	19.96	19.82						
15	HQAM	36	20	19.80	19.96	19.82						
15	HQAM	36	39	19.93	19.98	19.76	20.5	0				
15	HQAM	75	0	19.96	19.97	19.85						
15	HQAM	1	0	19.89	19.92	19.86						
15	HQAM	1	37	19.99	19.84	19.81						
15	HQAM	1	74	19.85	19.85	19.84	20.5	0				
15	HQAM	36	0	19.80	19.96	19.82						
15	HQAM	36	20	19.80	19.96	19.82						
15	HQAM	36	39	19.93	19.98	19.76						
15	HQAM	75	0	19.96	19.97	19.85	20.5	0				
15	HQAM	1	0	19.89	19.92	19.86						
15	HQAM	1	37	19.99	19.84	19.81						
15	HQAM	1	74	19.85	19.85	19.84						
15	HQAM	36	0	19.80	19.96	19.82	20.5	0				
15	HQAM	36	20	19.80	19.96	19.82						
15	HQAM	36	39	19.93	19.98	19.76						
15	HQAM	75	0	19.96	19.97	19.85						
15	HQAM	1	0	19.89	19.92	19.86	20.5	0				
15	HQAM	1	37	19.99	19.84	19.81						
15	HQAM	1	74	19.85	19.85	19.84						
15	HQAM	36	0	19.80	19.96	19.82						
15	HQAM	36	20	19.80	19.96	19.82	20.5	0				
15	HQAM	36	39	19.93	19.98	19.76						
15	HQAM	75	0	19.96	19.97	19.85						
15	HQAM	1	0	19.89	19.92	19.86						
15	HQAM	1	37	19.99	19.84	19.81	20.5	0				
15	HQAM	1	74	19.85	19.85	19.84						
15	HQAM	36	0	19.80	19.96	19.82						
15	HQAM	36	20	19.80	19.96	19.82						
15	HQAM	36	39	19.93	19.98	19.76	20.5	0				
15	HQAM	75	0	19.96	19.97	19.85						
15	HQAM	1	0	19.89	19.92	19.86						
15	HQAM	1	37	19.99	19.84	19.81						
15	HQAM	1	74	19.85	19.85	19.84	20.5	0				
15	HQAM	36	0	19.80	19.96	19.82						
15	HQAM	36	20	19.80	19.96	19.82						
15	HQAM	36	39	19.93	19.98	19.76						
15	HQAM	75	0	19.96	19.97	19.85	20.5	0				
15	HQAM	1	0	19.89	19.92	19.86						
15	HQAM	1	37	19.99	19.84	19.81						
15	HQAM	1	74	19.85	19.85	19.84						
15	HQAM	36	0	19.80	19.96	19.82	20.5	0				
15	HQAM	36	20	19.80	19.96	19.82						
15	HQAM	36	39	19.93	19.98	19.76						
15	HQAM	75	0	19.96	19.97	19.85						
15	HQAM	1	0	19.89	19.92	19.86	20.5	0				
15	HQAM	1	37	19.99	19.84	19.81						
15	HQAM	1	74	19.85	19.85	19.84						
15	HQAM	36	0	19.80	19.96	19.82						
15	HQAM	36	20	19.80	19.96	19.82	20.5	0				
15	HQAM	36	39	19.93	19.98	19.76						
15	HQAM	75	0	19.96	19.97	19.85						
15	HQAM	1	0	19.89	19.92	19.86						
15	HQAM	1	37	19.99	19.84	19.81	20.5	0				
15	HQAM	1	74	19.85	19.85	19.84						
15	HQAM	36	0	19.80	19.96	19.82						
15	HQAM	36	20	19.80	19.96	19.82						
15	HQAM	36	39	19.93	19.98	19.76	20.5	0				
15	HQAM	75	0	19.96	19.97	19.85						
15	HQAM	1	0	19.89	19.92	19.86						
15	HQAM	1	37	19.99	19.84	19.81						
15	HQAM	1	74	19.85	19.85	19.84	20.5	0				
15	HQAM	36	0	19.80	19.96	19.82						
15	HQAM	36	20	19.80	19.96	19.82						
15	HQAM	36	39	19.93	19.98	19.76						
15	HQAM	75	0	19.96	19.97	19.85	20.5	0				
15	HQAM	1	0	19.89	19.92	19.86						
15	HQAM	1	37	19.99	19.84	19.81						
15	HQAM	1	74	19.85	19.85	19.84						
15	HQAM	36	0	19.80	19.96	19.82	20.5	0				
15	HQAM	36	20	19.80	19.96	19.82						
15	HQAM	36	39	19.93	19.98	19.76						
15	HQAM	75	0	19.96	19.97	19.85						
15	HQAM	1	0	19.89	19.92	19.86	20.5	0				
15	HQAM	1	37	19.99	19.84	19.81						
15	HQAM	1	74	19.85	19.85	19.84						
15	HQAM	36	0	19.80	19.96							

Band 25 Ant4_DS13												
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq. [dBm]	Power Mid Ch / Freq. [dBm]	Power High Ch / Freq. [dBm]	Turn-up Int. (dB)	MPN (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	19.47	19.53	19.38	20.5	0				
20	QPSK	1	49	19.37	19.31	19.35						
20	QPSK	1	99	19.21	19.28	19.35						
20	QPSK	50	0	19.33	19.41	19.21						
20	QPSK	50	24	19.28	19.35	19.25	20.5	0				
20	QPSK	50	50	19.14	19.19	19.35						
20	QPSK	100	0	19.34	19.37	19.11						
20	16QAM	1	0	19.25	19.20	19.28						
20	16QAM	1	49	19.36	19.22	19.22	20.5	0				
20	16QAM	1	99	19.21	19.33	19.07						
20	16QAM	50	24	19.15	19.13	19.07						
20	16QAM	50	50	19.22	19.43	19.29						
20	16QAM	100	0	19.15	19.16	19.14	20.5	0				
20	8QAM	1	49	19.37	19.17	19.08						
20	8QAM	1	99	19.20	19.27	19.12						
20	8QAM	50	24	19.22	19.27	19.12						
20	8QAM	50	50	19.27	19.34	19.19	20.5	0				
20	8QAM	100	0	19.07	19.31	19.06						
20	256QAM	1	49	19.17	19.30	19.20						
20	256QAM	1	99	19.05	19.24	19.21						
20	256QAM	50	0	19.13	19.30	19.25	20.5	0				
20	256QAM	50	24	19.19	19.34	19.23						
20	256QAM	50	50	19.28	19.21	19.09						
20	256QAM	100	0	19.28	19.42	19.13						
Channel												
Frequency (MHz)												
15	QPSK	1	0	19.57	19.60	19.07	20.5	0				
15	QPSK	1	37	19.38	19.32	19.33						
15	QPSK	1	74	19.24	19.22	19.32						
15	QPSK	36	0	19.21	19.32	19.28						
15	QPSK	36	25	19.18	19.19	19.29	20.5	0				
15	QPSK	36	36	19.17	19.14	19.37						
15	QPSK	75	0	19.42	19.34	19.05						
15	16QAM	1	0	19.07	19.38	19.05						
15	16QAM	1	37	19.09	19.28	19.05	20.5	0				
15	16QAM	1	74	19.26	19.27	19.16						
15	16QAM	36	0	19.34	19.32	19.07						
15	16QAM	36	25	19.14	19.21	19.08						
15	16QAM	75	0	19.24	19.21	19.08	20.5	0				
15	8QAM	1	0	19.10	19.24	19.14						
15	8QAM	1	37	19.30	19.17	19.12						
15	8QAM	1	74	19.24	19.42	19.10						
15	8QAM	36	0	19.25	19.18	19.07	20.5	0				
15	8QAM	36	25	19.26	19.37	19.07						
15	8QAM	36	36	19.43	19.30	19.12						
15	8QAM	75	0	19.01	19.17	19.02						
15	256QAM	1	0	19.27	19.36	19.02	20.5	0				
15	256QAM	1	37	19.20	19.47	19.20						
15	256QAM	1	74	19.14	19.25	19.41						
15	256QAM	36	0	19.11	19.33	19.08						
15	256QAM	36	25	19.39	19.35	19.11	20.5	0				
15	256QAM	36	36	19.23	19.32	19.23						
15	256QAM	75	0	19.30	19.32	19.08						
Channel												
Frequency (MHz)												
10	QPSK	1	0	20.00	20.03	20.00	20.5	0				
10	QPSK	1	25	19.30	19.32	19.23						
10	QPSK	1	49	19.18	19.25	19.20						
10	QPSK	25	0	19.19	19.42	19.29						
10	QPSK	25	12	19.24	19.32	19.19	20.5	0				
10	QPSK	25	25	19.13	19.35	19.28						
10	QPSK	36	0	19.26	19.36	19.25						
10	16QAM	1	0	19.13	19.32	19.20						
10	16QAM	1	25	19.08	19.18	19.12	20.5	0				
10	16QAM	1	49	19.12	19.33	19.08						
10	16QAM	25	0	19.32	19.24	19.16						
10	16QAM	25	12	19.09	19.20	19.24						
10	16QAM	36	0	19.25	19.48	19.21	20.5	0				
10	16QAM	36	25	19.10	19.25	19.05						
10	8QAM	1	0	19.21	19.30	19.03						
10	8QAM	1	25	19.42	19.17	19.28						
10	8QAM	1	49	19.26	19.28	19.07	20.5	0				
10	8QAM	25	0	19.29	19.02	19.05						
10	8QAM	25	12	19.21	19.47	19.00						
10	8QAM	25	25	19.32	19.27	19.09						
10	8QAM	50	0	19.02	19.17	19.10	20.5	0				
10	256QAM	1	0	19.02	19.30	19.11						
10	256QAM	1	25	19.29	19.38	19.03						
10	256QAM	1	49	19.03	19.37	19.23						
10	256QAM	25	0	19.26	19.40	19.04	20.5	0				
10	256QAM	25	12	19.36	19.34	19.16						
10	256QAM	25	25	19.41	19.34	19.12						
10	256QAM	50	0	19.35	19.41	19.03						
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.45	19.45	19.33	20.5	0				
5	QPSK	1	12	19.20	19.43	19.34						
5	QPSK	1	24	19.20	19.19	19.33						
5	QPSK	12	0	19.32	19.35	19.29						
5	QPSK	12	7	19.23	19.17	19.07	20.5	0				
5	QPSK	12	13	19.15	19.22	19.35						
5	QPSK	25	0	19.42	19.48	19.25						
5	16QAM	1	0	19.29	19.27	19.10						
5	16QAM	1	12	19.17	19.08	19.15	20.5	0				
5	16QAM	1	24	19.13	19.38	19.06						
5	16QAM	12	0	19.28	19.10	19.17						
5	16QAM	12	7	19.23	19.38	19.06						
5	16QAM	12	13	19.42	19.43	19.23	20.5	0				
5	16QAM	25	0	19.28	19.27	19.28						
5	8QAM	1	0	19.10	19.29	19.16						
5	8QAM	1	12	19.32	19.18	19.11						
5	8QAM	1	24	19.27	19.27	19.28	20.5	0				
5	8QAM	12	0	19.15	19.10	19.01						
5	8QAM	12	7	19.25	19.34	19.19						
5	8QAM	12	13	19.33	19.34	19.09						
5	8QAM	25	0	19.08	19.13	19.14	20.5	0				
5	256QAM	1	0	19.11	19.38	19.15						
5	256QAM	1	12	19.24	19.19	19.10						
5	256QAM	1	24	19.07	19.36	19.43						
5	256QAM	12	0	19.16	19.35	19.07	20.5	0				
5	256QAM	12	7	19.25	19.32	19.22						
5	256QAM	12	13	19.32	19.27	19.20						
5	256QAM	25	0	19.32	19.43	19.17						
Channel												
Frequency (MHz)												
3	QPSK	1	0	19.46	19.46	19.32	20.5	0				
3	QPSK	1	12	19.25	19.46	19.31						
3	QPSK	1	24	19.24	19.13	19.24						
3	QPSK	8	0	19.26	19.41	19.31						
3	QPSK	8	3	19.27	19.46	19.29	20.5	0				
3	QPSK	8	6	19.28	19.46	19.29						
3	QPSK	8	9	19.10	19.20	19.30						
3	QPSK	16	0	19.23	19.38	19.30						
3	16QAM	1	0	19.28	19.28	19.16	20.5	0				
3	16QAM	1	3	19.05	19.18	19.10						
3	16QAM	1	14	19.25	19.27	19.10						
3	16QAM	1	17	19.17	19.38	19.10						
3	16QAM	8	4	19.09	19.19	19.17	20.5	0				
3	16QAM	8	7	19.32	19.36	19.18						
3	16QAM	8	10	19.22	19.37	19.19						
3	16QAM	8	13	19.22	19.22	19.16						
3	16QAM	1	0	19.34	19.14	19.23	20.5	0				
3	16QAM	1	3	19.27	19.10	19.17						
3	16QAM	8	4	19.17	19.21	19.18						
3	16QAM	8	7	19.30	19.49	19.18						
3	256QAM	1	0	19.10	19.34	19.09	20.5	0				
3	256QAM	1	3	19.15	19.32	19.10						
3	256QAM	1	14	19.15	19.32	19.28						
3	256QAM	8	4	19.34	19.45	19.23						
3	256QAM	8	7	19.39	19.30	19.24	20.5	0				
3	256QAM	8	10	19.27	19.37	19.20						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	19.40	19.41	19.31			20.5	0		
1.4	QPSK	1	15	19.25	19.30	19.25						
1.4	QPSK	1	30	19.17	19.46	19.29						
1.4	QPSK	3	0	19.26	19.34	19.34						
1.4	QPSK	3	3	19.23	19.38	19.19	20.5	0				
1.4	QPSK	3	6	19.47	19.37	19.19						
1.4	16QAM	1	0	19.27	19.22	19.15						
1.4	16QAM	1	3	19.17	19.24	19.08						
1.4	16QAM	3	0	19.38	19.38	19.07	20.5	0				
1.4	16QAM	3	3	19.22	19.34	19.20						
1.4	16QAM	3	6	19.22	19.34	19.20						
1.4	16QAM	6	0	19.14	19.32	19.22						
1.4	16QAM	1	0	19.00	19.30	19.12	20.5	0				
1.4	16QAM	1	3	19.11	19.12	19.02						
1.4	16QAM	1	6	19.31	19.10	19.02						
1.4	16QAM	3	0	19.26	19.18	19.20						
1.4	16QAM	3	3	19.08	19.20	19.19	20.5	0				
1.4	16QAM	3	6	19.22	19.34	19.21						
1.4	16QAM	3	9	19.05	19.34	19.23						
1.4	16QAM	6	0	19.15	19.34	19.07						
1.4	256QAM	1	0	19.31	19.37	19.19	20.5	0				
1.4	256QAM	1	3	19.26	19.34	19.24						
1.4	256QAM	1	6	19.20	19.20	19.21						
1.4	256QAM	3	0	19.20	19.20	19.21						



Band 38 Ant4_DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	22.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.08	22.16	22.04			
20	QPSK	1	49	22.13	22.07	22.15	22.5	0	
20	QPSK	1	99	22.07	22.11	22.13			
20	QPSK	50	0	22.05	22.13	22.08			
20	QPSK	50	24	21.97	22.07	21.89	22.5	0	
20	QPSK	50	50	22.05	22.03	22.07			
20	QPSK	100	0	22.13	22.14	21.95			
20	16QAM	1	0	21.86	21.93	21.76	22.5	0	
20	16QAM	1	49	21.99	22.03	21.82			
20	16QAM	1	99	21.73	21.72	21.87			
20	16QAM	50	0	22.04	22.04	22.07	22.5	0	
20	16QAM	50	24	22.15	22.03	22.09			
20	16QAM	50	50	22.13	22.13	21.97			
20	16QAM	100	0	22.11	22.13	22.13	22.5	0	
20	64QAM	1	0	21.98	22.01	22.00			
20	64QAM	1	49	22.07	21.93	21.87			
20	64QAM	1	99	22.01	22.05	22.09	22.5	0	
20	64QAM	50	0	22.02	21.98	22.05			
20	64QAM	50	24	22.14	21.95	22.02			
20	64QAM	50	50	22.13	22.14	21.96	22.5	0	
20	64QAM	100	0	22.10	22.10	22.13			
20	256QAM	1	0	19.53	19.68	19.61	20.5	2	
20	256QAM	1	49	19.66	19.63	19.60			
20	256QAM	1	99	19.53	19.59	19.52			
20	256QAM	50	0	19.35	19.68	19.66	20.5	2	
20	256QAM	50	24	19.55	19.63	19.62			
20	256QAM	50	50	19.62	19.49	19.57			
20	256QAM	100	0	19.54	19.60	19.45			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	22.5	0	
15	QPSK	1	0	22.08	22.10	22.05			
15	QPSK	1	37	21.93	22.00	22.14			
15	QPSK	1	74	21.89	21.90	22.05	22.5	0	
15	QPSK	36	0	21.89	21.97	22.01			
15	QPSK	36	20	21.88	21.93	21.72			
15	QPSK	36	39	21.90	21.95	21.86	22.5	0	
15	QPSK	75	0	22.03	22.12	21.96			
15	16QAM	1	0	21.73	21.83	21.66			
15	16QAM	1	37	21.90	21.92	21.77	22.5	0	
15	16QAM	1	74	21.74	21.55	21.65			
15	16QAM	36	0	21.94	21.95	21.99	22.5	0	
15	16QAM	36	20	21.94	21.82	21.93			
15	16QAM	36	39	22.03	22.05	21.94	22.5	0	
15	16QAM	75	0	22.00	21.98	21.94			
15	64QAM	1	0	21.79	21.96	21.96	22.5	0	
15	64QAM	1	37	21.99	21.94	21.66			
15	64QAM	1	74	21.90	21.94	21.99	22.5	0	
15	64QAM	36	0	21.98	21.85	21.87			
15	64QAM	36	20	21.93	21.83	21.86	22.5	0	
15	64QAM	36	39	21.97	22.11	21.84			
15	64QAM	75	0	22.06	22.11	21.95	22.5	0	
15	256QAM	1	0	19.59	19.73	19.64			
15	256QAM	1	37	19.71	19.65	19.54	20.5	2	
15	256QAM	1	74	19.53	19.61	19.55			
15	256QAM	36	0	19.47	19.74	19.75	20.5	2	
15	256QAM	36	20	19.50	19.59	19.56			
15	256QAM	36	39	19.56	19.53	19.55	20.5	2	
15	256QAM	75	0	19.53	19.52	19.53			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	22.5	0	
10	QPSK	1	0	21.85	21.99	21.86			
10	QPSK	1	25	21.99	21.99	22.08			
10	QPSK	1	49	21.93	22.03	21.95	22.5	0	
10	QPSK	25	0	21.78	21.92	21.99			
10	QPSK	25	12	21.78	21.90	21.75			
10	QPSK	25	25	21.79	21.86	21.97	22.5	0	
10	QPSK	50	0	22.02	21.93	21.78			
10	16QAM	1	0	21.65	21.89	21.49			
10	16QAM	1	25	21.88	21.97	21.70	22.5	0	
10	16QAM	1	49	21.67	21.64	21.67			
10	16QAM	25	0	21.97	21.99	21.94	22.5	0	
10	16QAM	25	12	21.93	21.86	22.05			
10	16QAM	25	25	22.06	22.05	21.85	22.5	0	
10	16QAM	50	0	22.00	21.92	22.00			
10	64QAM	1	0	21.88	21.88	21.81	22.5	0	
10	64QAM	1	25	21.99	21.67	21.83			
10	64QAM	1	49	21.94	21.83	21.90	22.5	0	
10	64QAM	25	0	21.97	21.73	21.93			
10	64QAM	25	12	22.01	21.86	21.85	22.5	0	
10	64QAM	25	25	22.05	21.87	21.89			
10	64QAM	50	0	22.05	22.06	21.90	20.5	2	
10	256QAM	1	0	19.61	19.76	19.65			
10	256QAM	1	25	19.69	19.61	19.56	20.5	2	
10	256QAM	1	49	19.51	19.67	19.60			
10	256QAM	25	0	19.40	19.70	19.64	20.5	2	
10	256QAM	25	12	19.54	19.67	19.60			
10	256QAM	25	25	19.54	19.60	19.58	20.5	2	
10	256QAM	50	0	19.52	19.50	19.55			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	22.5	0	
5	QPSK	1	0	21.81	21.89	21.85			
5	QPSK	1	12	21.84	21.93	22.04			
5	QPSK	1	24	21.89	21.82	21.85	22.5	0	
5	QPSK	12	0	21.79	21.82	21.98			
5	QPSK	12	7	21.77	21.92	21.68			
5	QPSK	12	13	21.79	21.81	21.85	22.5	0	
5	QPSK	25	0	21.85	21.96	21.64			
5	16QAM	1	0	21.56	21.64	21.58			
5	16QAM	1	12	21.69	21.86	21.70	22.5	0	
5	16QAM	1	24	21.63	21.54	21.77			
5	16QAM	12	0	21.91	21.93	21.91	22.5	0	
5	16QAM	12	7	22.07	21.81	21.83			
5	16QAM	12	13	21.82	21.82	21.73	22.5	0	
5	16QAM	25	0	21.98	21.84	21.92			
5	64QAM	1	0	21.83	21.90	21.85	22.5	0	
5	64QAM	1	12	21.75	21.83	21.78			
5	64QAM	1	24	21.88	21.84	21.84	22.5	0	
5	64QAM	12	0	21.79	21.86	21.87			
5	64QAM	12	7	21.92	21.70	21.80	22.5	0	
5	64QAM	12	13	22.04	21.89	21.87			
5	64QAM	25	0	21.90	21.85	21.99	20.5	2	
5	256QAM	1	0	19.59	19.68	19.63			
5	256QAM	1	12	19.60	19.59	19.60	20.5	2	
5	256QAM	1	24	19.49	19.60	19.56			
5	256QAM	12	0	19.38	19.66	19.73	20.5	2	
5	256QAM	12	7	19.52	19.62	19.63			
5	256QAM	12	13	19.62	19.52	19.50			
5	256QAM	25	0	19.43	19.62	19.52	22.5	0	

Band 41 Ant4_DS13											
BW [MHz]	Modulation	RB Size	RB Offset	for IC Power Low Ch. / Freq.	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39790	39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.81	21.84	21.93	22.18	22.10	22.14	22.5	0
20	QPSK	1	49	21.86	21.83	21.89	21.98	22.07	22.04		
20	QPSK	1	99	21.84	21.87	21.82	22.01	22.06	22.02		
20	QPSK	50	0	21.86	21.85	21.82	22.15	22.09	22.11		
20	QPSK	50	24	21.97	21.97	21.95	22.05	22.10	22.14	22.5	0
20	QPSK	50	50	21.94	21.96	21.90	22.04	21.97	22.08		
20	QPSK	100	0	21.94	21.95	21.90	22.12	22.06	22.02		
20	16QAM	1	0	21.78	21.89	21.86	21.90	22.15	22.16		
20	16QAM	1	49	22.05	22.00	21.92	22.06	22.13	21.93	22.5	0
20	16QAM	1	99	21.82	21.87	21.79	21.91	22.03	21.94		
20	16QAM	50	0	21.86	21.90	21.86	21.99	22.08	22.16		
20	16QAM	50	24	21.97	21.99	21.94	22.06	22.07	22.14		
20	16QAM	50	50	21.97	21.94	21.90	22.06	22.03	22.12	22.5	0
20	16QAM	100	0	21.97	21.97	21.92	22.03	22.09	22.10		
20	64QAM	1	0	21.76	21.85	21.76	21.85	22.06	22.08		
20	64QAM	1	49	21.86	22.12	21.93	21.97	21.98	22.11		
20	64QAM	1	99	21.84	21.87	21.81	21.89	22.04	21.92	22.5	0
20	64QAM	50	0	21.87	21.89	21.82	21.95	22.08	22.16		
20	64QAM	50	24	21.96	21.98	21.93	22.04	22.09	22.15		
20	64QAM	50	50	21.94	21.92	21.92	22.02	22.17	22.05		
20	64QAM	100	0	21.96	21.96	21.92	22.03	22.07	22.13	22.5	0
20	256QAM	1	0	19.48	19.60	19.45	19.63	19.38	19.38		
20	256QAM	1	49	19.49	19.50	19.34	19.64	19.32	19.23		
20	256QAM	1	99	19.50	19.56	19.49	19.63	19.37	19.43		
20	256QAM	50	0	19.41	19.47	19.44	19.68	19.46	19.34	20.5	2
20	256QAM	50	24	19.73	19.57	19.47	19.65	19.49	19.38		
20	256QAM	50	50	19.63	19.72	19.55	19.55	19.32	19.33		
20	256QAM	100	0	19.66	19.52	19.46	19.77	19.34	19.42		
Channel				39765	39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2503.5	2546.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	21.83	21.81	21.91	22.02	22.03	22.03	22.50	0
15	QPSK	1	37	21.77	21.82	21.76	21.98	21.98	21.98		
15	QPSK	1	74	21.76	21.82	21.77	21.89	21.96	21.89		
15	QPSK	36	0	21.83	21.73	21.73	22.09	22.05	22.09		
15	QPSK	36	20	21.78	21.88	21.79	22.01	22.06	22.01	22.5	0
15	QPSK	36	39	21.90	21.76	21.86	21.96	21.96	21.96		
15	QPSK	75	0	21.91	21.88	21.71	22.01	21.87	21.91		
15	16QAM	1	0	21.76	21.72	21.78	21.83	21.94	22.09		
15	16QAM	1	37	21.93	21.88	21.93	21.92	22.05	21.91	22.5	0
15	16QAM	1	74	21.84	21.82	21.73	21.87	21.83	21.85		
15	16QAM	36	0	21.72	21.70	21.78	22.00	22.04	21.98		
15	16QAM	36	20	21.95	21.92	21.73	22.03	21.88	22.06		
15	16QAM	36	39	21.81	21.74	21.84	21.92	21.96	22.08	22.5	0
15	16QAM	75	0	21.85	21.92	21.77	21.84	22.01	21.94		
15	64QAM	1	0	21.68	21.68	21.67	21.82	21.96	21.98		
15	64QAM	1	37	21.76	22.02	21.80	21.91	21.90	21.94		
15	64QAM	1	74	21.83	21.82	21.68	21.77	22.03	21.88	22.5	0
15	64QAM	36	0	21.73	21.82	21.74	21.90	21.97	22.08		
15	64QAM	36	20	21.80	21.76	21.82	22.05	21.90	21.98		
15	64QAM	36	39	21.88	21.75	21.85	21.99	22.03	22.07		
15	64QAM	75	0	21.94	21.97	21.73	21.86	21.98	22.09	20.5	2
15	256QAM	1	0	19.45	19.54	19.53	19.63	19.33	19.37		
15	256QAM	1	37	19.43	19.60	19.43	19.69	19.29	19.25		
15	256QAM	1	74	19.56	19.55	19.55	19.68	19.49	19.43		
15	256QAM	36	0	19.50	19.51	19.48	19.66	19.47	19.43	20.5	2
15	256QAM	36	20	19.65	19.59	19.45	19.74	19.41	19.48		
15	256QAM	36	39	19.63	19.64	19.54	19.52	19.36	19.40		
15	256QAM	75	0	19.71	19.62	19.47	19.76	19.41	19.47		
Channel				39740	39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	21.85	21.66	21.79	22.00	21.84	21.92	22.50	0
10	QPSK	1	25	21.69	21.69	21.64	21.77	21.93	21.92		
10	QPSK	1	49	21.76	21.63	21.68	21.96	21.84	21.76		
10	QPSK	25	0	21.81	21.84	21.79	21.88	21.92	21.92		
10	QPSK	25	12	21.93	21.79	21.70	22.05	21.90	22.09	22.5	0
10	QPSK	25	25	21.80	21.75	21.76	21.84	21.92	21.84		
10	QPSK	50	0	21.77	21.74	21.67	21.97	21.93	21.76		
10	16QAM	1	0	21.68	21.80	21.70	21.70	21.97	22.01		
10	16QAM	1	25	21.88	21.81	21.78	22.00	21.99	21.76	22.5	0
10	16QAM	1	49	21.68	21.62	21.75	21.71	21.89	21.88		
10	16QAM	25	0	21.73	21.73	21.73	21.86	21.87	21.99		
10	16QAM	25	12	21.80	21.88	21.86	21.94	21.97	22.07		
10	16QAM	25	25	21.84	21.69	21.85	21.99	21.86	22.03	22.5	0
10	16QAM	50	0	21.79	21.74	21.73	21.88	22.00	21.99		
10	64QAM	1	0	21.84	21.78	21.75	21.73	21.98	22.04		
10	64QAM	1	25	21.75	22.01	21.82	21.82	21.86	22.01		
10	64QAM	1	49	21.68	21.76	21.77	21.70	21.79	21.67	22.5	0
10	64QAM	25	0	21.65	21.68	21.62	21.82	21.92	22.01		
10	64QAM	25	12	21.86	21.86	21.81	21.93	21.82	21.88		
10	64QAM	25	25	21.71	21.65	21.69	21.96	21.90	21.95		
10	64QAM	50	0	21.93	21.91	21.76	21.81	22.00	22.08	20.5	2
10	256QAM	1	0	19.43	19.56	19.43	19.52	19.41	19.26		
10	256QAM	1	25	19.50	19.53	19.42	19.65	19.37	19.30		
10	256QAM	1	49	19.58	19.52	19.56	19.58	19.42	19.34		
10	256QAM	25	0	19.42	19.47	19.46	19.67	19.38	19.45	20.5	2
10	256QAM	25	12	19.74	19.56	19.46	19.70	19.44	19.43		
10	256QAM	25	25	19.64	19.76	19.53	19.63	19.43	19.36		
10	256QAM	50	0	19.63	19.62	19.48	19.72	19.32	19.35		
Channel				39715	39675	40148	40620	41093	41555	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2494.5	2541.3	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	21.68	21.69	21.74	21.93	22.00	21.97	22.50	0
5	QPSK	1	12	21.65	21.61	21.75	21.67	21.81	21.74		
5	QPSK	1	24	21.63	21.73	21.74	21.85	21.77	21.76		
5	QPSK	12	0	21.74	21.57	21.68	21.90	21.89	21.85		
5	QPSK	12	7	21.76	21.72	21.67	21.80	21.96	21.84	22.5	0
5	QPSK	12	13	21.75	21.67	21.75	21.84	21.83	21.83		
5	QPSK	25	0	21.66	21.66	21.62	21.93	21.88	21.80		
5	16QAM	1	0	21.69	21.73	21.76	21.79	21.88	22.03		
5	16QAM	1	12	21.77	21.90	21.77	21.75	22.04	21.73	22.5	0
5	16QAM	1	24	21.82	21.72	21.65	21.65	21.86	21.76		
5	16QAM	12	0	21.74	21.80	21.72	21.75	21.88	21.93		
5	16QAM	12	7	21.88	21.86	21.75	21.82	21.80	22.06		
5	16QAM	12	13	21.70	21.74	21.81	21.81	21.72	21.98	22.5	0
5	16QAM	25	0	21.82	21.87	21.77	21.81	22.00	21.85		
5	64QAM	1	0	21.62	21.62	21.68	21.74	21.97	21.79		
5	64QAM	1	12	21.72	21.97	21.63	21.87	21.86	21.94		
5	64QAM	1	24	21.65	21.68	21.59	21.61	21.86	21.79	22.5	0
5	64QAM	12	0	21.77	21.74	21.83	21.76	21.96	22.01		
5	64QAM	12	7	21.85	21.72	21.72	21.85	21.99	22.06		
5	64QAM	12	13	21.80	21.78	21.60	21.69	21.88	21.77		
5	64QAM	25	0	21.80	21.68	21.71	21.76	21.84	21.96	20.5	2
5	256QAM	1	0	19.39	19.57	19.39	19.65	19.31	19.27		
5	256QAM	1	12	19.45	19.55	19.37	19.72	19.34	19.34		
5	256QAM	1	24	19.63	19.56	19.48	19.60	19.43	19.42		
5	256QAM	12	0	19.55	19.53	19.46	19.73	19.45	19.40	20.5	2
5	256QAM	12	7	19.67	19.51	19.45	19.69	19.42	19.46		
5	256QAM	12	13	19.73	19.71	19.49	19.54	19.41	19.38		
5	256QAM	25	0	19.72	19.63	19.47	19.65	19.28	19.41		

Band 42 Ant10 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	25.7	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	24.71	24.84	24.77			
20	QPSK	1	49	24.65	24.75	24.79	24.7	1	
20	QPSK	1	99	24.66	24.73	24.81			
20	QPSK	50	0	23.97	24.01	23.89			
20	QPSK	50	24	23.85	23.85	23.83	24.7	1	
20	QPSK	50	50	23.92	23.86	23.91			
20	QPSK	100	0	23.92	23.95	23.88			
20	16QAM	1	0	23.96	23.94	23.96	24.7	1	
20	16QAM	1	49	24.06	23.97	23.96			
20	16QAM	1	99	23.93	23.87	23.98			
20	16QAM	50	0	22.88	22.87	22.95	23.7	2	
20	16QAM	50	24	22.84	22.86	22.78			
20	16QAM	50	50	22.92	22.84	22.81			
20	16QAM	100	0	22.82	22.87	22.83	23.7	2	
20	64QAM	1	0	22.92	22.81	22.88			
20	64QAM	1	49	22.80	22.74	22.74			
20	64QAM	1	99	22.81	22.71	22.68	22.7	3	
20	64QAM	50	0	21.85	21.87	21.75			
20	64QAM	50	24	21.83	21.82	21.89			
20	64QAM	50	50	21.71	21.79	21.83	20.7	5	
20	64QAM	100	0	21.87	21.85	21.88			
20	256QAM	1	0	19.81	19.98	19.86			
20	256QAM	1	49	19.68	19.63	19.76	20.7	5	
20	256QAM	1	99	19.76	19.61	19.85			
20	256QAM	50	0	19.86	20.02	19.97			
20	256QAM	50	24	19.77	19.81	19.94	20.7	5	
20	256QAM	50	50	19.86	19.83	19.91			
20	256QAM	100	0	19.89	19.84	19.90			
Channel				42165	42590	43015	25.7	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	24.47	24.82	24.75			
15	QPSK	1	37	24.59	24.56	24.64	24.7	1	
15	QPSK	1	74	24.74	24.65	24.72			
15	QPSK	36	0	23.83	23.77	23.78			
15	QPSK	36	20	23.61	23.81	23.80	24.7	1	
15	QPSK	36	39	23.89	23.89	23.68			
15	QPSK	75	0	23.86	23.87	23.71			
15	16QAM	1	0	23.82	23.88	23.84	24.7	1	
15	16QAM	1	37	24.07	23.93	23.94			
15	16QAM	1	74	23.96	23.87	24.00			
15	16QAM	36	0	22.64	22.67	22.85	23.7	2	
15	16QAM	36	20	22.72	22.88	22.58			
15	16QAM	36	39	22.84	22.80	22.71			
15	16QAM	75	0	22.74	22.83	22.79	23.7	2	
15	64QAM	1	0	22.77	22.79	22.65			
15	64QAM	1	37	22.56	22.68	22.67			
15	64QAM	1	74	22.68	22.60	22.57	22.7	3	
15	64QAM	36	0	21.64	21.76	21.64			
15	64QAM	36	20	21.74	21.65	21.83			
15	64QAM	36	39	21.59	21.80	21.64	20.7	5	
15	64QAM	75	0	21.72	21.84	21.88			
15	256QAM	1	0	19.47	19.85	19.64			
15	256QAM	1	37	19.65	19.67	19.72	20.7	5	
15	256QAM	1	74	19.80	19.69	19.71			
15	256QAM	36	0	19.73	19.85	19.89			
15	256QAM	36	20	19.64	19.83	19.75	20.7	5	
15	256QAM	36	39	19.92	19.85	19.64			
15	256QAM	75	0	19.77	19.79	19.81			
Channel				42160	42590	43010	25.7	0	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	24.66	24.67	24.65			
10	QPSK	1	25	24.46	24.80	24.74	24.7	1	
10	QPSK	1	49	24.53	24.62	24.80			
10	QPSK	25	0	23.96	23.67	23.76			
10	QPSK	25	12	23.70	23.76	23.86	24.7	1	
10	QPSK	25	25	23.79	23.73	23.76			
10	QPSK	50	0	23.90	23.85	23.97			
10	16QAM	1	0	23.80	23.92	23.89	24.7	1	
10	16QAM	1	25	24.06	23.92	23.92			
10	16QAM	1	49	23.77	23.86	23.86			
10	16QAM	25	0	22.87	22.62	22.97	23.7	2	
10	16QAM	25	12	22.63	22.89	22.59			
10	16QAM	25	25	22.75	22.85	22.65			
10	16QAM	50	0	22.80	22.90	22.79	23.7	2	
10	64QAM	1	0	22.68	22.66	22.89			
10	64QAM	1	25	22.66	22.63	22.73			
10	64QAM	1	49	22.62	22.57	22.58	22.7	3	
10	64QAM	25	0	21.68	21.70	21.68			
10	64QAM	25	12	21.62	21.65	21.83			
10	64QAM	25	25	21.60	21.72	21.83	20.7	5	
10	64QAM	50	0	21.71	21.84	21.70			
10	256QAM	1	0	19.70	19.78	19.66			
10	256QAM	1	25	19.58	19.68	19.66	20.7	5	
10	256QAM	1	49	19.59	19.71	19.81			
10	256QAM	25	0	19.93	19.78	19.72			
10	256QAM	25	12	19.62	19.82	19.88	20.7	5	
10	256QAM	25	25	19.68	19.85	19.67			
10	256QAM	50	0	19.90	19.84	20.03			
Channel				42115	42590	43065	25.7	0	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	24.66	24.83	24.67			
5	QPSK	1	12	24.61	24.66	24.73	24.7	1	
5	QPSK	1	24	24.79	24.72	24.76			
5	QPSK	12	0	23.87	23.68	23.94			
5	QPSK	12	7	23.79	23.79	23.63	24.7	1	
5	QPSK	12	13	23.68	23.71	23.92			
5	QPSK	25	0	23.79	23.74	23.97			
5	16QAM	1	0	23.99	23.91	23.72	24.7	1	
5	16QAM	1	12	23.89	23.96	23.96			
5	16QAM	1	24	23.77	23.65	23.80			
5	16QAM	12	0	22.72	22.77	22.90	23.7	2	
5	16QAM	12	7	22.64	22.69	22.78			
5	16QAM	12	13	22.80	22.79	22.58			
5	16QAM	25	0	22.61	22.82	22.77	23.7	2	
5	64QAM	1	0	22.83	22.64	22.73			
5	64QAM	1	12	22.83	22.74	22.54			
5	64QAM	1	24	22.67	22.57	22.48	22.7	3	
5	64QAM	12	0	21.89	21.88	21.50			
5	64QAM	12	7	21.67	21.62	21.77			
5	64QAM	12	13	21.66	21.73	21.70	20.7	5	
5	64QAM	25	0	21.62	21.68	21.87			
5	256QAM	1	0	19.70	19.81	19.62			
5	256QAM	1	12	19.66	19.68	19.67	20.7	5	
5	256QAM	1	24	19.77	19.65	19.77			
5	256QAM	12	0	19.84	19.74	19.95			
5	256QAM	12	7	19.81	19.73	19.63	20.7	5	
5	256QAM	12	13	19.65	19.83	19.84			
5	256QAM	25	0	19.86	19.70	20.05			

Band 48 Ant10 DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	23.5	0
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.32	22.39	22.22	22.24		
20	QPSK	1	49	22.31	22.24	22.38	22.26	22.5	1
20	QPSK	50	0	21.48	21.57	21.45	21.34		
20	QPSK	50	24	21.30	21.31	21.28	21.42		
20	QPSK	50	50	21.44	21.46	21.46	21.45	22.5	1
20	QPSK	100	0	21.39	21.51	21.35	21.43		
20	16QAM	1	0	21.52	21.34	21.34	21.49		
20	16QAM	1	49	21.36	21.50	21.32	21.24	22.5	1
20	16QAM	1	99	21.30	21.47	21.40	21.36		
20	16QAM	50	0	20.48	20.44	20.32	20.37		
20	16QAM	50	24	20.36	20.38	20.58	20.60	21.5	2
20	16QAM	50	50	20.50	20.41	20.49	20.54		
20	16QAM	100	0	20.40	20.37	20.52	20.38		
20	64QAM	1	0	20.37	20.42	20.21	20.36	21.5	2
20	64QAM	1	49	20.21	20.33	20.39	20.36		
20	64QAM	1	99	20.40	20.34	20.30	20.25		
20	64QAM	50	0	19.22	19.30	19.39	19.32	20.5	3
20	64QAM	50	24	19.51	19.49	19.43	19.54		
20	64QAM	50	50	19.57	19.48	19.51	19.49		
20	64QAM	100	0	19.52	19.25	19.42	19.50	18.5	5
20	256QAM	1	0	17.34	17.43	17.32	17.32		
20	256QAM	1	49	17.21	17.35	17.45	17.33		
20	256QAM	1	99	17.15	17.22	17.19	17.44	18.5	5
20	256QAM	50	0	17.59	17.57	17.47	17.26		
20	256QAM	50	24	17.41	17.38	17.24	17.34		
20	256QAM	50	50	17.41	17.48	17.45	17.39	Tune-up limit (dBm)	MPR (dB)
20	256QAM	100	0	17.49	17.51	17.25	17.32		
Channel				55315	55820	56160	56665		
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.33	22.26	22.25	22.04	23.5	0
15	QPSK	1	37	22.19	22.13	22.28	22.26		
15	QPSK	1	74	22.09	22.14	22.34	22.30		
15	QPSK	36	0	21.29	21.43	21.36	21.11	22.5	1
15	QPSK	36	20	21.13	21.25	21.14	21.23		
15	QPSK	36	39	21.30	21.25	21.40	21.27		
15	QPSK	75	0	21.19	21.32	21.23	21.48	22.5	1
15	16QAM	1	0	21.36	21.25	21.21	21.30		
15	16QAM	1	37	21.13	21.43	21.14	21.16		
15	16QAM	1	74	21.23	21.46	21.23	21.25	21.5	2
15	16QAM	36	0	20.42	20.24	20.22	20.30		
15	16QAM	36	20	20.18	20.25	20.34	20.42		
15	16QAM	36	39	20.32	20.40	20.29	20.57	21.5	2
15	16QAM	75	0	20.43	20.27	20.45	20.19		
15	64QAM	1	0	20.34	20.35	20.08	20.27		
15	64QAM	1	37	20.13	20.19	20.30	20.32	21.5	2
15	64QAM	1	74	20.38	20.12	20.17	20.19		
15	64QAM	36	0	19.19	19.30	19.41	19.34		
15	64QAM	36	20	19.42	19.29	19.42	19.58	20.5	3
15	64QAM	36	39	19.35	19.35	19.51	19.54		
15	64QAM	75	0	19.41	19.17	19.39	19.45		
15	256QAM	1	0	17.23	17.22	17.35	17.11	18.5	5
15	256QAM	1	37	17.13	17.10	17.39	17.26		
15	256QAM	1	74	17.00	17.12	17.37	17.36		
15	256QAM	36	0	17.23	17.41	17.14	17.16	18.5	5
15	256QAM	36	20	17.17	17.32	17.19	17.27		
15	256QAM	36	39	17.36	17.23	17.32	17.27		
15	256QAM	75	0	17.27	17.24	17.26	17.48	Tune-up limit (dBm)	MPR (dB)
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	22.29	22.10	22.02	22.01	23.5	0
10	QPSK	1	25	22.20	22.25	22.17	22.09		
10	QPSK	1	49	22.18	22.30	22.34	22.20		
10	QPSK	25	0	21.42	21.37	21.45	21.25	22.5	1
10	QPSK	25	12	21.24	21.19	21.25	21.26		
10	QPSK	25	25	21.33	21.35	21.29	21.40		
10	QPSK	50	0	21.23	21.37	21.16	21.44	22.5	1
10	16QAM	1	0	21.48	21.24	21.24	21.30		
10	16QAM	1	25	21.37	21.41	21.31	21.24		
10	16QAM	1	49	21.11	21.33	21.17	21.40	21.5	2
10	16QAM	25	0	20.30	20.49	20.23	20.40		
10	16QAM	25	12	20.31	20.30	20.36	20.38		
10	16QAM	25	25	20.52	20.20	20.53	20.30	21.5	2
10	16QAM	50	0	20.40	20.42	20.41	20.42		
10	64QAM	1	0	20.24	20.33	19.97	20.25		
10	64QAM	1	25	20.07	20.12	20.27	20.18	21.5	2
10	64QAM	1	49	20.22	20.32	20.24	20.21		
10	64QAM	25	0	19.15	19.16	19.36	19.25		
10	64QAM	25	12	19.43	19.24	19.29	19.39	20.5	3
10	64QAM	25	25	19.38	19.45	19.44	19.35		
10	64QAM	50	0	19.37	19.05	19.23	19.42		
10	256QAM	1	0	17.22	17.07	17.14	16.93	18.5	5
10	256QAM	1	25	17.22	17.28	17.19	17.00		
10	256QAM	1	49	17.14	17.20	17.29	17.26		
10	256QAM	25	0	17.35	17.36	17.50	17.26	18.5	5
10	256QAM	25	12	17.23	17.18	17.27	17.25		
10	256QAM	25	25	17.39	17.40	17.19	17.44		
10	256QAM	50	0	17.14	17.36	17.10	17.34	Tune-up limit (dBm)	MPR (dB)
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	22.22	22.11	22.16	22.08	23.5	0
5	QPSK	1	12	22.35	22.06	22.13	22.06		
5	QPSK	1	24	22.19	22.05	22.07	22.31		
5	QPSK	12	0	21.33	21.47	21.20	21.20	22.5	1
5	QPSK	12	7	21.16	21.26	21.14	21.18		
5	QPSK	12	13	21.35	21.38	21.42	21.43		
5	QPSK	25	0	21.23	21.29	21.30	21.42	22.5	1
5	16QAM	1	0	21.36	21.28	21.17	21.35		
5	16QAM	1	12	21.13	21.40	21.27	21.12		
5	16QAM	1	24	21.21	21.44	21.32	21.26	21.5	2
5	16QAM	12	0	20.41	20.44	20.13	20.21		
5	16QAM	12	7	20.17	20.37	20.36	20.49		
5	16QAM	12	13	20.30	20.35	20.27	20.44	21.5	2
5	16QAM	25	0	20.31	20.37	20.37	20.26		
5	64QAM	1	0	20.18	20.27	20.08	20.20		
5	64QAM	1	12	20.11	20.21	20.38	20.14	21.5	2
5	64QAM	1	24	20.44	20.13	20.25	20.23		
5	64QAM	12	0	19.21	19.26	19.42	19.30		
5	64QAM	12	7	19.27	19.43	19.47	19.33	20.5	3
5	64QAM	12	13	19.55	19.52	19.36	19.47		
5	64QAM	25	0	19.50	19.28	19.35	19.31		
5	256QAM	1	0	17.18	17.06	17.10	17.01	18.5	5
5	256QAM	1	12	17.39	17.03	17.05	17.02		
5	256QAM	1	24	17.14	17.08	17.11	17.26		
5	256QAM	12	0	17.35	17.46	17.25	17.23	18.5	5
5	256QAM	12	7	17.18	17.26	17.10	17.09		
5	256QAM	12	13	17.36	17.45	17.37	17.34		
5	256QAM	25	0	17.27	17.20	17.28	17.44		

GSM850 Ant0 DSI4

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	32.72	32.86	32.88	33.50	23.72	23.86	23.88	24.50
GSM 1 Tx slot	32.81	32.87	32.97	33.50	23.81	23.87	23.97	24.50
GPRS 2 Tx slots	29.62	29.40	29.66	30.50	23.62	23.40	23.66	24.50
GPRS 3 Tx slots	27.75	27.77	27.82	28.50	23.49	23.51	23.56	24.24
GPRS 4 Tx slots	26.30	26.58	26.57	27.50	23.30	23.58	23.57	24.50
EDGE 1 Tx slot	26.21	26.70	27.05	27.50	17.71	17.70	18.05	18.50
EDGE 2 Tx slots	23.68	23.63	23.55	24.50	17.68	17.63	17.55	18.50
EDGE 3 Tx slots	21.74	22.01	22.03	23.00	17.48	17.75	17.77	18.74
EDGE 4 Tx slots	20.32	20.64	20.62	21.50	17.32	17.64	17.62	18.50

WCDMA V Ant0 DSI4

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		265.4	355.4	343.6	
3GPP Rel 99	AMR 12.2Kbps	24.20	24.31	24.22	25.00
3GPP Rel 99	RMC 12.2Kbps	24.26	24.34	24.27	25.00
3GPP Rel 6	HSDPA Subtest-1	23.38	23.19	23.31	24.00
3GPP Rel 6	HSDPA Subtest-2	23.21	23.38	23.07	24.00
3GPP Rel 6	HSDPA Subtest-3	22.75	22.83	22.69	23.50
3GPP Rel 6	HSDPA Subtest-4	22.59	22.77	22.50	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.35	23.25	23.23	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.10	23.36	23.09	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.89	22.88	22.70	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.53	22.94	22.61	23.50
3GPP Rel 6	HSUPA Subtest-1	23.09	23.29	23.34	24.00
3GPP Rel 6	HSUPA Subtest-2	21.36	21.22	21.20	22.00
3GPP Rel 6	HSUPA Subtest-3	22.18	22.53	22.10	23.00
3GPP Rel 6	HSUPA Subtest-4	21.05	21.24	20.93	22.00
3GPP Rel 6	HSUPA Subtest-5	23.16	23.36	23.42	24.00



Band 4 Ant0 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.96	23.04	22.79			
20	QPSK	5	48	22.96	22.93	22.80	24.5	0	
20	QPSK	1	99	22.97	23.84	22.80			
20	QPSK	50	0	22.96	22.10	21.85			
20	QPSK	24	0	21.98	21.89	21.81	23.5	1	
20	QPSK	50	50	22.04	21.82	21.86			
20	QPSK	100	0	21.91	22.08	22.76			
20	16QAM	1	40	22.17	22.24	22.09	23.5	1	
20	16QAM	1	99	22.26	22.32	22.03			
20	16QAM	5	0	20.90	20.96	20.90	22.5	2	
20	16QAM	50	24	20.90	20.85	20.98			
20	16QAM	50	0	20.94	20.82	20.81			
20	16QAM	100	0	20.94	20.98	20.94			
20	16QAM	1	0	20.90	21.09	20.99			
20	16QAM	1	49	20.96	20.99	20.90	22.5	2	
20	16QAM	1	99	20.71	20.74	20.92			
20	16QAM	50	0	19.92	19.96	19.91			
20	16QAM	50	24	19.94	19.85	19.92			
20	16QAM	50	0	19.75	19.76	19.91	21.5	3	
20	16QAM	100	0	19.71	19.93	19.78			
20	16QAM	1	0	17.82	17.89	18.03	19.5	5	
20	256QAM	1	99	17.82	17.73	17.88			
20	256QAM	5	0	17.82	17.77	17.84			
20	256QAM	50	24	18.12	18.00	17.98	19.5	5	
20	256QAM	50	50	18.08	17.84	17.87			
20	256QAM	100	0	17.88	17.88	17.88			
Channel									
Frequency (MHz)									
16	QPSK	1	0	22.97	22.82	22.84			
16	QPSK	1	37	22.97	22.96	22.84	24.5	0	
16	QPSK	1	74	22.64	22.82	22.73			
16	QPSK	36	0	22.11	22.08	21.94			
16	QPSK	36	12	22.08	22.01	21.92	23.5	1	
16	QPSK	36	36	22.07	22.08	21.96			
16	QPSK	72	0	22.14	22.01	21.89			
16	QPSK	72	0	22.06	22.17	22.00	23.5	1	
16	16QAM	1	37	19.88	20.06	19.77	23.5	1	
16	16QAM	1	74	19.88	19.91	19.86			
16	16QAM	36	0	20.75	20.83	20.77			
16	16QAM	36	20	20.74	20.82	20.87	22.5	2	
16	16QAM	72	0	20.75	20.75	20.84			
16	16QAM	72	0	20.75	20.85	20.73			
16	16QAM	1	0	20.78	20.97	20.84	22.5	2	
16	16QAM	1	37	20.78	20.75	20.84			
16	16QAM	1	74	20.05	20.05	20.07			
16	16QAM	36	0	19.74	19.93	19.78	21.5	3	
16	16QAM	36	20	19.77	19.77	19.88			
16	16QAM	72	0	19.02	19.05	19.01			
16	16QAM	72	0	19.07	19.08	19.08	19.5	5	
16	256QAM	1	37	17.97	17.76	17.88	19.5	5	
16	256QAM	1	74	17.84	17.72	17.73			
16	256QAM	36	0	17.86	17.86	17.74			
16	256QAM	36	20	18.05	17.81	17.82	19.5	5	
16	256QAM	36	99	17.80	17.88	17.76			
16	256QAM	72	0	17.80	17.81	17.68			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.97	22.97	22.83			
10	QPSK	1	49	22.72	22.80	22.83	24.5	0	
10	QPSK	25	0	22.97	22.97	22.83			
10	QPSK	25	12	22.03	21.91	22.02	23.5	1	
10	QPSK	25	25	21.98	21.85	21.82			
10	QPSK	50	0	22.03	22.03	21.89			
10	16QAM	1	0	22.15	22.09	21.89	23.5	1	
10	16QAM	1	25	21.99	22.10	22.15			
10	16QAM	25	0	20.69	20.74	20.68	22.5	2	
10	16QAM	25	12	20.70	20.77	20.82			
10	16QAM	50	0	20.69	20.71	20.78			
10	16QAM	50	0	20.65	20.85	20.81			
10	16QAM	1	0	20.78	20.68	20.72	22.5	2	
10	16QAM	1	25	20.68	20.65	20.68			
10	16QAM	1	49	20.75	20.79	20.82			
10	16QAM	25	0	19.82	20.03	19.81			
10	16QAM	25	12	19.82	19.87	19.85	21.5	3	
10	16QAM	25	25	19.96	19.89	19.81			
10	16QAM	50	0	19.70	19.99	19.88			
10	256QAM	1	25	17.86	17.79	17.86	19.5	5	
10	256QAM	1	49	17.85	17.88	17.84			
10	256QAM	25	12	17.96	17.80	17.92	19.5	5	
10	256QAM	25	25	17.82	17.97	17.92			
10	256QAM	50	0	18.02	17.73	17.65			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.95	22.95	22.82			
3	QPSK	1	8	22.96	22.86	22.78	24.5	0	
3	QPSK	1	14	22.63	22.76	22.71			
3	QPSK	8	0	21.97	21.80	21.78	23.5	1	
3	QPSK	8	4	22.02	21.80	21.93			
3	QPSK	8	7	21.90	21.88	21.85			
3	QPSK	16	0	22.05	21.98	21.88			
3	16QAM	1	0	22.04	22.18	21.97	23.5	1	
3	16QAM	1	8	21.97	22.12	22.12			
3	16QAM	1	14	22.05	22.22	22.00			
3	16QAM	8	0	20.77	20.74	20.81	22.5	2	
3	16QAM	8	4	20.83	20.78	20.85			
3	16QAM	8	7	20.80	20.79	20.78			
3	16QAM	16	0	20.70	20.69	20.71			
3	16QAM	1	0	20.89	20.94	20.84	22.5	2	
3	16QAM	1	8	20.89	20.92	20.88			
3	16QAM	1	14	20.95	20.71	20.94			
3	16QAM	8	0	19.73	19.81	19.81	21.5	3	
3	16QAM	8	4	19.79	19.82	19.91			
3	16QAM	8	7	19.81	19.76	19.88			
3	16QAM	16	0	17.80	17.87	17.73	19.5	5	
3	256QAM	1	8	17.89	17.89	17.73			
3	256QAM	1	14	17.73	17.68	17.66			
3	256QAM	8	0	18.02	17.74	17.84	19.5	5	
3	256QAM	8	4	17.89	17.88	17.82			
3	256QAM	8	7	17.98	17.84	17.89			
3	256QAM	16	0	18.02	17.83	17.72			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.80	22.76	22.83			
1.4	QPSK	1	3	22.90	22.76	22.82	24.5	0	
1.4	QPSK	1	5	22.61	22.73	22.71			
1.4	QPSK	3	0	22.84	22.79	22.82			
1.4	QPSK	3	1	22.90	22.78	22.82			
1.4	QPSK	3	9	22.86	22.79	22.72	23.5	1	
1.4	QPSK	3	15	21.96	21.88	21.82			
1.4	16QAM	1	0	21.79	21.80	21.69	23.5	1	
1.4	16QAM	1	3	21.85	21.86	21.67			
1.4	16QAM	1	5	21.85	21.86	21.67			
1.4	16QAM	3	0	21.68	21.82	21.84	22.5	2	
1.4	16QAM	3	1	21.71	21.74	21.74			
1.4	16QAM	3	3	20.74	20.73	20.78			
1.4	16QAM	3	9	20.87	20.87	20.87	21.5	3	
1.4	16QAM	3	15	20.83	20.76	20.67			
1.4	16QAM	3	21	20.83	20.82	20.76			
1.4	16QAM	3	27	20.71	20.73	20.84			
1.4	16QAM	9	0	19.87	19.88	19.78	21.5	3	
1.4	256QAM	1	3	17.89	17.89	17.82	19.5	5	
1.4	256QAM	1	9	17.81	17.78	17.78			
1.4	256QAM	3	0	17.72	17.70	17.76			
1.4	256QAM	3	1	17.81	17.72	17.71			
1.4	256QAM	3	3	17.87	17.71	17.71	19.5	5	
1.4	256QAM	9	0	17.88	17.82	17.72			

Band 5 Ant0 DSI4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.17	24.24	24.20			
10	QPSK	1	25	24.12	24.20	24.24	25.5	0	
10	QPSK	1	49	23.88	24.01	24.06			
10	QPSK	25	0	23.23	23.32	23.17			
10	QPSK	25	15	23.31	23.13	23.23	24.5	1	
10	QPSK	25	25	23.27	23.26	23.24			
10	QPSK	50	0	23.22	23.26	23.21			
10	16QAM	1	25	23.68	23.68	23.68	24.5	1	
10	16QAM	1	25	23.27	23.45	23.30			
10	16QAM	1	49	23.44	23.57	23.52			
10	16QAM	25	0	22.24	22.23	22.10	23.5	2	
10	16QAM	25	12	22.24	22.18	22.24			
10	16QAM	25	25	22.26	22.14	22.27			
10	16QAM	50	0	22.28	22.20	22.27			
10	16QAM	50	25	22.28	22.20	22.27			
10	16QAM	1	25	22.84	22.97	22.86	23.5	2	
10	16QAM	1	25	22.54	22.57	22.44			
10	16QAM	1	25	22.22	22.22	22.11			
10	16QAM	25	0	21.33	21.10	21.30	22.5	3	
10	16QAM	25	15	21.33	21.21	21.27			
10	16QAM	25	25	21.21	21.12	21.23			
10	256QAM	1	0	19.14	19.17	19.22			
10	256QAM	1	25	19.18	19.27	19.11	20.5	5	
10	256QAM	1	25	19.34	19.24	19.30			
10	256QAM	25	0	19.22	19.31	19.11			
10	256QAM	25	15	19.38	19.44	19.28	20.5	5	
10	256QAM	25	25	19.24	19.32	19.24			
10	256QAM	50	0	19.29	19.34	19.15	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
8	QPSK	1	0	24.13	24.07	24.08			
8	QPSK	1	12	24.11	24.10	23.91	25.5	0	
8	QPSK	12	0	23.84	23.84	23.84			
8	QPSK	12	6	23.08	23.17	23.12			
8	QPSK	12	7	23.26	23.04	23.16			
8	QPSK	15	0	23.18	23.18	23.18			
8	QPSK	25	0	23.15	23.15	23.15			
8	16QAM	1	5	23.44	23.58	23.42			
8	16QAM	1	12	23.47	23.34	23.42	24.5	1	
8	16QAM	1	24	23.29	23.53	23.43			
8	16QAM	12	5	22.10	22.09	22.13			
8	16QAM	12	5	22.18	22.14	22.11			
8	16QAM	12	18	22.19	22.09	22.13	23.5	2	
8	16QAM	25	0	22.18	22.06	22.25			
8	16QAM	25	0	22.35	22.25	22.25			
8	16QAM	1	12	22.82	22.29	22.57			
8	16QAM	1	24	22.46	22.48	22.33			
8	16QAM	12	18	22.12	22.14	22.07			
8	16QAM	12	7	21.18	21.05	21.29	22.5	3	
8	256QAM	12	19	21.26	21.05	21.27			
8	256QAM	1	0	19.17	19.14	19.06			
8	256QAM	1	12	19.04	19.19	19.08	20.5	5	
8	256QAM	1	12	19.17	19.17	19.17			
8	256QAM	12	0	19.02	19.10	19.20			
8	256QAM	12	7	19.28	19.08	19.23	20.5	5	
8	256QAM	15	0	19.27	19.10	19.10			
8	256QAM	25	0	19.04	19.14	19.11	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.01	24.05	24.07			
3	QPSK	1	8	24.14	24.08	23.98	25.5	0	
3	QPSK	1	16	23.91	24.01	23.91			
3	QPSK	8	4	23.17	23.19	23.06			
3	QPSK	8	4	23.24	22.87	23.15	24.5	1	
3	QPSK	16	8	23.18	23.17	23.18			
3	QPSK	16	0	23.11	23.05	23.19			
3	16QAM	1	0	23.51	23.68	23.49			
3	16QAM	1	8	23.32	23.32	23.32	24.5	1	
3	16QAM	1	14	23.33	23.25	23.42			
3	16QAM	8	0	22.69	22.16	21.86			
3	16QAM	8	0	22.13	22.25	22.13	23.5	2	
3	16QAM	8	7	22.12	22.09	22.10			
3	16QAM	16	0	22.15	22.08	22.22			
3	16QAM	16	8	22.24	22.08	22.24			
3	16QAM	8	8	22.59	22.26	22.33	23.5	2	
3	16QAM	1	14	22.45	22.49	22.39			
3	16QAM	8	8	22.11	22.07	22.11			
3	256QAM	8	4	21.24	21.01	21.31	22.5	2	
3	256QAM	8	7	21.22	21.10	21.24			
3	256QAM	1	0	19.10	19.13	19.17			
3	256QAM	1	8	19.03	19.01	19.08	20.5	5	
3	256QAM	8	0	19.10	19.10	19.10			
3	256QAM	8	0	19.10	19.10	19.10			
3	256QAM	8	4	19.18	18.85	19.09	20.5	5	
3	256QAM	16	0	19.13	19.13	19.13			
3	256QAM	16	0	19.03	19.05	19.14			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.07	23.97	24.06			
1.4	QPSK	1	3	24.14	24.06	23.99	25.5	0	
1.4	QPSK	3	0	23.86	23.88	23.94			
1.4	QPSK	3	3	23.96	23.86	23.96			
1.4	QPSK	3	1	23.98	23.78	23.93			
1.4	QPSK	3	2	23.44	23.99	23.93	24.5	1	
1.4	QPSK	3	2	23.07	23.98	23.13			
1.4	16QAM	1	0	23.46	23.60	23.49			
1.4	16QAM	1	3	23.41	23.39	23.25			
1.4	16QAM	3	0	23.40	23.49	23.40	24.5	1	
1.4	16QAM	3	0	22.90	22.96	22.79			
1.4	16QAM	3	1	22.97	22.87	22.99	24.5	1	
1.4	16QAM	3	2	22.99	22.88	22.99			
1.4	16QAM	6	0	22.24	22.07	22.38	23.0	2	
1.4	16QAM	6	0	22.46	22.24	22.38			
1.4	16QAM	1	3	22.53	22.24	22.38			
1.4	16QAM	1	6	22.46	22.47	22.45	23.5	2	
1.4	16QAM	3	3	21.99	21.99	21.99			
1.4	16QAM	3	3	22.02	21.84	22.05			
1.4	16QAM	3	3	22.00	21.68	22.04	22.0	3	
1.4	256QAM	1	3	21.10	21.01	21.17	22.0	3	
1.4	256QAM	1	3	19.15	19.02	19.11			
1.4	256QAM	3	3	19.18	19.08	19.08			
1.4	256QAM	3	3	19.07	19.07	19.07	20.5	5	
1.4	256QAM	3	0	19.19	19.13	19.17			
1.4	256QAM	3	1	19.07	19.05	19.18			
1.4	256QAM	6	0	19.24	19.24	19.24			
1.4	256QAM	6	0	19.18	19.07	19.25	20.5	5	



Band 13 Ant0 DSI4									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.48	24.48	24.47	25.5	0	
10	QPSK	1	25	24.43	24.43	24.43			
10	QPSK	1	49	24.48	24.48	24.48			
10	QPSK	25	0	23.65	23.65	23.65	24.5	1	
10	QPSK	25	12	23.65	23.65	23.65			
10	QPSK	25	25	23.61	23.61	23.61			
10	QPSK	50	0	23.64	23.64	23.64	24.5	1	
10	16QAM	1	25	23.60	23.60	23.60			
10	16QAM	1	25	23.60	23.60	23.60			
10	16QAM	49	23.64	23.64	23.64	23.64	23.5	2	
10	16QAM	25	0	22.58	22.58	22.58			
10	16QAM	25	12	22.58	22.58	22.58			
10	16QAM	25	25	22.54	22.54	22.54	22.5	3	
10	16QAM	50	0	22.58	22.58	22.58			
10	16QAM	1	0	22.58	22.58	22.58			
10	16QAM	1	25	22.58	22.58	22.58	20.5	5	
10	16QAM	1	49	22.58	22.58	22.58			
10	16QAM	25	12	21.58	21.58	21.58			
10	16QAM	25	25	21.58	21.58	21.58	20.5	5	
10	16QAM	50	0	21.58	21.58	21.58			
10	16QAM	1	25	19.39	19.39	19.39			
10	256QAM	1	49	19.17	19.17	19.17	20.5	5	
10	256QAM	25	12	19.41	19.41	19.41			
10	256QAM	25	25	19.51	19.51	19.51			
10	256QAM	50	0	19.23	19.23	19.23	20.5	5	
10	256QAM	1	25	19.23	19.23	19.23			

Band 17 Ant0 DSI4									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.12	24.12	24.06	25.5	0	
10	QPSK	1	25	24.08	24.08	24.17			
10	QPSK	1	49	24.07	24.12	24.04			
10	QPSK	25	0	23.12	23.16	23.22	24.5	1	
10	QPSK	25	12	23.24	23.16	23.23			
10	QPSK	25	25	23.23	23.23	23.21			
10	QPSK	50	0	23.12	23.22	23.19	24.5	1	
10	16QAM	1	25	23.42	23.48	23.31			
10	16QAM	1	25	23.61	23.41	23.36			
10	16QAM	1	49	23.62	23.62	23.61	23.5	2	
10	16QAM	25	0	22.19	22.18	22.25			
10	16QAM	25	12	22.31	22.14	22.28			
10	16QAM	25	25	22.21	22.29	22.16	22.5	3	
10	16QAM	50	0	22.25	22.13	22.29			
10	16QAM	1	0	22.23	22.04	22.21			
10	16QAM	1	25	22.29	22.29	22.16	20.5	5	
10	16QAM	1	49	22.14	22.38	22.33			
10	16QAM	25	0	21.15	21.15	21.08			
10	16QAM	25	12	21.26	21.28	21.25	20.5	5	
10	16QAM	25	25	21.16	21.17	21.23			
10	16QAM	50	0	21.17	21.16	21.16			
10	256QAM	1	49	19.22	19.22	19.21	20.5	5	
10	256QAM	25	12	19.21	19.22	19.25			
10	256QAM	25	25	19.28	19.29	19.16			
10	256QAM	50	0	19.25	19.23	19.23	20.5	5	
10	256QAM	1	25	19.21	19.28	19.19			
10	256QAM	1	25	19.23	19.28	19.19			

Band 26 Ant0 DSI4									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.21	24.30	24.21	25.5	0	
15	QPSK	1	37	24.37	24.37	24.37			
15	QPSK	1	74	24.27	24.25	24.17			
15	QPSK	36	0	23.30	23.41	23.28	24.5	1	
15	QPSK	36	20	23.42	23.34	23.34			
15	QPSK	36	39	23.38	23.33	23.34			
15	QPSK	75	0	23.34	23.37	23.36	24.5	1	
15	16QAM	1	0	23.17	23.21	23.27			
15	16QAM	1	37	23.08	23.43	23.39			
15	16QAM	1	74	23.22	23.24	23.06	23.5	2	
15	16QAM	36	0	22.33	22.39	22.32			
15	16QAM	36	20	22.40	22.38	22.30			
15	16QAM	36	39	22.37	22.36	22.32	22.5	3	
15	16QAM	75	0	22.42	22.47	22.40			
15	16QAM	1	0	22.46	22.67	22.54			
15	16QAM	1	74	22.42	22.54	22.45	22.5	3	
15	16QAM	36	0	21.34	21.39	21.36			
15	16QAM	36	20	21.38	21.36	21.27			
15	16QAM	36	39	21.40	21.42	21.38	20.5	5	
15	16QAM	75	0	21.40	21.39	21.37			
15	16QAM	1	0	19.35	19.32	19.27			
15	256QAM	1	74	19.29	19.27	19.20	20.5	5	
15	256QAM	36	20	19.28	19.26	19.24			
15	256QAM	36	39	19.36	19.31	19.35			
15	256QAM	75	0	19.28	19.28	19.17	20.5	5	
15	256QAM	1	0	19.21	19.28	19.19			
15	256QAM	1	0	19.21	19.28	19.19			

Band 66 Ant0 DSI4									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.67	22.67	22.62	24.5	0	
20	QPSK	1	49	22.67	22.67	22.67			
20	QPSK	1	99	22.74	22.72	22.92			
20	QPSK	50	0	21.62	22.09	21.96	23.5	1	
20	QPSK	50	24	21.68	21.98	21.98			
20	QPSK	50	50	21.69	22.00	22.04			
20	QPSK	150	0	21.65	21.65	21.92	23.5	1	
20	16QAM	1	49	22.20	22.22	22.17			
20	16QAM	1	99	22.25	22.26	22.17			
20	16QAM	50	0	20.91	21.00	21.07	22.5	2	
20	16QAM	50	24	21.06	21.11	21.02			
20	16QAM	50	50	20.99	21.06	21.07			
20	16QAM	150	0	21.05	21.05	21.05	22.5	2	
20	16QAM	1	0	21.00	21.10	21.10			
20	16QAM	1	49	21.14	21.04	21.05	22.5	2	
20	16QAM	1	99	21.36	21.06	21.17			
20	16QAM	50	0	19.95	20.03	19.95			
20	16QAM	50	24	19.97	20.12	20.08	21.5	3	
20	16QAM	50	50	19.91	19.95	19.91			
20	16QAM	150	0	20.07	19.98	20.07			
20	256QAM	1	0	18.02	18.15	18.10	19.5	5	
20	256QAM	1	99	18.02	18.13	18.19			
20	256QAM	1	99	17.80	17.87	18.11			
20	256QAM	50	0	17.91	18.04	18.08	22.5	2	
20	256QAM	50	24	18.00	18.05	18.07			
20	256QAM	50	50	18.04	18.15	18.02			
20	256QAM	150	0	18.14	18.15	18.09	19.5	5	
20	256QAM	1	0	18.02	18.02	18.02			
20	256QAM	1	0	18.02	18.02	18.02			

Band 66 Ant0 DSI4									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turnup time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.03	24.09	24.28	25.5	0	
15	QPSK	1	25	24.04	24.33	24.10			
15	QPSK	1	49	24.16	24.08	24.05			
15	QPSK	25	0	23.32	23.32	23.64	24.5	1	
15	QPSK	25	12	23.14	23.19	23.12			
15	QPSK	25	25	23.25	23.18	23.44			
15	QPSK	25	0	23.02	22.98	23.28	24.5	2	
15	QPSK	25	12	22.87	23.27	23.23			
15	QPSK	25	25	23.11	22.98	23.17			
15	QPSK	25	0	22.13	22.22	22.19	23.5	2	
15	QPSK	25	12	22.40	22.38	22.35			
15	QPSK	25	25	22.36	22.38	22.29			
15	QPSK	25	0	22.20	22.17	22.28	23.5	2	
15	QPSK	25	12	22.45	22.30	22.28			
15	QPSK	25	25	22.38	22.38	22.35			
15	QPSK	1	24	22.37	22.56	22.19	22.5	3	
15	QPSK	12	21	21.20	21.41	21.16			
15	QPSK	12	21	21.17	21.25	21.17			
15	QPSK	12	13	21.31	21.52	21.31	20.5	5	
15	QPSK	25	0	21.31	21.34	21.38			
15	QPSK	25	19	20.90	20.25	20.48			
15	QPSK	1	12	19.02	19.31	19.19	20.5	5	
15	QPSK	1	24	18.36	18.07	18.11			
15	QPSK	1	23	18.23	18.01	18.19			
15	QPSK	12	7	19.30	19.38	19.31	20.5	5	
15	QPSK	12	13	19.31	19.38	19.10			
15	QPSK	12	15	19.14	19.10	19.15			
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.03	24.09	24.28	25.5	0	
15	QPSK	1	25	24.02	24.17	24.16			
15	QPSK	1	49	24.11	24.14	24.11			
15	QPSK	25	0	23.32	23.32	23.64	24.5	1	
15	QPSK	25	12	23.14	23.19	23.12			
15	QPSK	25	25	23.25	23.18	23.44			
15	QPSK	25	0	23.02	22.98	23.28	24.5	1	
15	QPSK	25	12	22.83	23.18	23.43			
15	QPSK	25	25	23.14	23.27	23.13			
15	QPSK	25	0	22.27	22.30	22.12	23.5	2	
15	QPSK	25	12	22.19	22.29	22.28			
15	QPSK	25	25	22.32	22.42	22.38			
15	QPSK	16	20	22.30	22.31	22.07	23.5	2	
15	QPSK	1	12	22.24	22.33	22.32			
15	QPSK	1	23	22.23	22.43	22.31			
15	QPSK	1	14	22.25	22.50	22.25	22.5	3	
15	QPSK	8	21	21.23	21.36	21.16			
15	QPSK	8	21	21.22	21.22	21.22			
15	QPSK	8	21	21.42	21.30	21.37	20.5	5	
15	QPSK	16	20	21.19	21.36	21.17			
15	QPSK	16	20	21.24	21.24	21.24			
15	QPSK	1	10	19.02	19.25	19.15	20.5	5	
15	QPSK	1	14	19.29	19.04	19.14			
15	QPSK	1	15	19.22	19.22	19.22			
15	QPSK	8	4	19.28	19.38	19.28	20.5	5	
15	QPSK	8	7	19.38	19.32	19.09			
15	QPSK	8	7	19.38	19.32	19.09			

Band 38 Ant0 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.88	22.94	22.70	24.5	0	
20	QPSK	1	49	22.89	22.71	22.90			
20	QPSK	1	99	22.83	22.78	22.93			
20	QPSK	50	0	21.90	21.99	21.95			
20	QPSK	50	24	21.95	21.86	21.93	23.5	1	
20	QPSK	50	50	21.96	21.90	21.97			
20	QPSK	100	0	22.00	22.01	21.95			
20	16QAM	1	0	21.95	21.99	21.91			
20	16QAM	1	49	21.85	22.01	21.79	23.5	1	
20	16QAM	1	99	22.05	22.09	22.02			
20	16QAM	50	0	20.92	20.88	21.04			
20	16QAM	50	24	21.04	20.89	20.96			
20	16QAM	50	50	21.05	20.87	20.93	22.5	2	
20	16QAM	100	0	21.07	20.90	20.95			
20	64QAM	1	0	21.02	20.84	20.69			
20	64QAM	1	49	20.73	20.81	20.68			
20	64QAM	1	99	20.85	20.59	20.81	22.5	2	
20	64QAM	50	0	19.86	19.96	20.01			
20	64QAM	50	24	20.14	19.99	19.88			
20	64QAM	50	50	20.08	19.89	20.00			
20	64QAM	100	0	19.95	19.97	19.91	21.5	3	
20	256QAM	1	0	17.94	18.08	17.80			
20	256QAM	1	49	18.05	17.92	17.96			
20	256QAM	1	99	17.83	17.94	17.97			
20	256QAM	50	0	18.03	18.17	18.03	19.5	5	
20	256QAM	50	24	18.12	17.92	18.02			
20	256QAM	50	50	18.02	17.97	18.06			
20	256QAM	100	0	18.15	18.17	17.93			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.72	22.89	22.62			
15	QPSK	1	37	22.83	22.62	22.80	24.5	0	
15	QPSK	1	74	22.66	22.69	22.83			
15	QPSK	36	0	21.74	21.89	21.79			
15	QPSK	36	20	21.97	21.89	21.75			
15	QPSK	36	39	21.92	21.84	21.83	23.5	1	
15	QPSK	75	0	21.96	21.95	21.82			
15	16QAM	1	0	21.79	21.98	21.81			
15	16QAM	1	37	21.75	22.03	21.73			
15	16QAM	1	74	21.91	22.12	21.90	23.5	1	
15	16QAM	36	0	20.81	20.82	20.93			
15	16QAM	36	20	20.96	20.90	20.90			
15	16QAM	36	39	20.97	20.82	20.81			
15	16QAM	75	0	21.02	20.88	20.81	22.5	2	
15	64QAM	1	0	20.97	20.81	20.51			
15	64QAM	1	37	20.61	20.75	20.60			
15	64QAM	1	74	20.80	20.51	20.63			
15	64QAM	36	0	19.72	19.92	19.90	22.5	2	
15	64QAM	36	20	20.01	19.94	19.77			
15	64QAM	36	39	19.98	19.82	19.88			
15	64QAM	75	0	19.78	19.91	19.74			
15	256QAM	1	0	17.85	17.91	17.65	19.5	5	
15	256QAM	1	37	17.96	17.81	17.82			
15	256QAM	1	74	17.66	17.86	17.86			
15	256QAM	36	0	17.93	17.90	17.91			
15	256QAM	36	20	18.10	18.08	17.95	19.5	5	
15	256QAM	36	39	18.10	17.85	18.02			
15	256QAM	75	0	18.00	17.98	18.00			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.82	22.82	22.56	24.5	0	
10	QPSK	1	25	22.89	22.71	22.82			
10	QPSK	1	49	22.65	22.77	22.87			
10	QPSK	25	0	21.80	21.79	21.81			
10	QPSK	25	12	21.95	21.88	21.79	23.5	1	
10	QPSK	25	25	21.93	21.89	21.89			
10	QPSK	50	0	21.98	21.96	21.80			
10	16QAM	1	0	21.85	21.92	21.76			
10	16QAM	1	25	21.76	21.98	21.65	23.5	1	
10	16QAM	1	49	21.89	22.02	21.94			
10	16QAM	25	0	20.84	20.87	20.95			
10	16QAM	25	12	20.93	20.80	20.84			
10	16QAM	25	25	20.92	20.84	20.86	22.5	2	
10	16QAM	50	0	21.01	20.86	20.88			
10	64QAM	1	0	20.85	20.83	20.52			
10	64QAM	1	25	20.56	20.79	20.59			
10	64QAM	1	49	20.72	20.63	20.75	22.5	2	
10	64QAM	25	0	19.79	19.99	19.97			
10	64QAM	25	12	20.07	19.93	19.83			
10	64QAM	25	25	19.99	19.82	19.94			
10	64QAM	50	0	19.83	19.98	19.81	21.5	3	
10	256QAM	1	0	18.00	18.03	17.64			
10	256QAM	1	25	18.09	17.73	17.92			
10	256QAM	1	49	17.72	17.93	17.96			
10	256QAM	25	0	17.88	17.81	17.85	19.5	5	
10	256QAM	25	12	18.03	17.90	17.97			
10	256QAM	25	25	17.98	17.94	17.97			
10	256QAM	50	0	18.20	17.99	17.83			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.77	22.87	22.53			
5	QPSK	1	12	22.81	22.65	22.78	24.5	0	
5	QPSK	1	24	22.76	22.75	22.86			
5	QPSK	12	0	21.84	21.85	21.78			
5	QPSK	12	7	21.90	21.87	21.80			
5	QPSK	12	13	21.90	21.87	21.88	23.5	1	
5	QPSK	25	0	21.85	21.95	21.87			
5	16QAM	1	0	21.84	21.97	21.75			
5	16QAM	1	12	21.68	21.94	21.74			
5	16QAM	1	24	22.00	22.00	21.93	23.5	1	
5	16QAM	12	0	20.82	20.87	20.87			
5	16QAM	12	7	20.86	20.89	20.88			
5	16QAM	12	13	20.87	20.81	20.75			
5	16QAM	25	0	21.02	20.88	20.78	22.5	2	
5	64QAM	1	0	20.91	20.84	20.57			
5	64QAM	1	12	20.59	20.73	20.62			
5	64QAM	1	24	20.78	20.56	20.73			
5	64QAM	12	0	19.68	19.92	19.94	22.5	2	
5	64QAM	12	7	20.04	20.01	19.73			
5	64QAM	12	13	20.02	19.81	19.87			
5	64QAM	25	0	19.83	19.93	19.74			
5	256QAM	1	0	17.85	18.02	17.74	19.5	5	
5	256QAM	1	12	17.94	17.67	17.99			
5	256QAM	1	24	17.89	17.93	18.01			
5	256QAM	12	0	17.90	17.86	17.82			
5	256QAM	12	7	17.93	17.87	17.88	19.5	5	
5	256QAM	12	13	18.05	17.94	18.08			
5	256QAM	25	0	17.98	18.16	17.90			

Band 41 Ant0 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.91	22.78	22.95	22.80	22.80	24.5	0
20	QPSK	1	49	22.82	22.71	22.79	22.84	22.76		
20	QPSK	1	99	22.82	22.90	22.78	22.79	22.88		
20	QPSK	50	0	21.86	21.73	22.00	21.70	21.78		
20	QPSK	50	24	21.83	21.85	21.83	21.68	21.63	23.5	1
20	QPSK	50	50	21.96	21.87	21.95	21.65	21.91		
20	QPSK	100	0	21.84	21.86	22.02	21.72	21.73		
20	16QAM	1	0	21.86	21.73	21.83	21.84	21.88		
20	16QAM	1	49	21.89	21.68	21.69	21.87	21.83	23.5	1
20	16QAM	1	99	21.86	21.86	21.82	21.89	21.76		
20	16QAM	50	0	20.86	20.89	20.73	20.67	20.70		
20	16QAM	50	24	20.93	20.83	20.90	20.66	20.72		
20	16QAM	50	50	20.89	20.85	20.86	20.76	20.65	22.5	2
20	16QAM	100	0	21.02	20.92	20.87	20.94	20.70		
20	64QAM	1	0	20.76	21.00	20.82	20.71	20.89		
20	64QAM	1	49	21.03	20.78	20.88	20.76	20.96		
20	64QAM	1	99	20.94	20.86	21.03	20.88	20.91	21.5	3
20	64QAM	50	0	19.74	19.85	19.82	19.68	19.86		
20	64QAM	50	24	19.91	19.86	19.88	19.72	19.75		
20	64QAM	50	50	19.91	19.85	19.92	19.79	19.61		
20	64QAM	100	0	19.95	19.76	19.88	19.66	19.75	19.5	5
20	256QAM	1	0	18.04	17.87	18.10	17.72	17.75		
20	256QAM	1	49	17.86	17.74	17.81	17.86	17.88		
20	256QAM	1	99	17.80	17.89	17.85	17.94	17.94		
20	256QAM	50	0	17.85	17.88	18.10	17.80	17.83	19.5	5
20	256QAM	50	24	18.00	17.99	17.93	17.83	17.71		
20	256QAM	50	50	18.00	17.90	17.94	17.76	17.98		
20	256QAM	100	0	17.90	18.01	18.01	17.89	17.76		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.80	22.68	22.76	22.53	22.88	24.50	0
15	QPSK	1	37	22.70	22.61	22.74	22.78	22.68		
15	QPSK	1	74	22.76	22.76	22.63	22.61	22.75		
15	QPSK	36	0	21.82	21.60	21.72	21.62	21.88		
15	QPSK	36	20	21.73	21.80	21.67	21.55	21.50	23.5	1
15	QPSK	36	39	21.84	21.73	21.77	21.52	21.80		
15	QPSK	75	0	21.78	21.81	21.75	21.68	21.57		
15	16QAM	1	0	21.79	21.57	21.71	21.79	21.76		
15	16QAM	1	37	21.74	21.58	21.63	21.78	21.77	23.5	1
15	16QAM	1	74	21.72	21.72	21.64	21.73	21.70		
15	16QAM	36	0	20.80	20.73	20.58	20.62	20.59		
15	16QAM	36	20	20.89	20.75	20.83	20.53	20.64		
15	16QAM	36	39	20.81	20.71	20.69	20.65	20.58	22.5	2
15	16QAM	75	0	20.88	20.83	20.73	20.88	20.63		
15	64QAM	1	0	20.62	20.87	20.72	20.62	20.77		
15	64QAM	1	37	20.98	20.68	20.77	20.70	20.89		
15	64QAM	1	74	20.83	20.75	20.97	20.83	20.86	22.5	2
15	64QAM	36	0	19.58	19.80	19.77	19.61	19.80		
15	64QAM	36	20	19.73	19.72	19.82	19.58	19.68		
15	64QAM	36	39	19.76	19.70	19.86	19.66	19.56		
15	64QAM	75	0	19.78	19.70	19.73	19.54	19.57	19.5	5
15	256QAM	1	0	17.82	17.83	17.83	17.67	17.88		
15	256QAM	1	37	17.82	17.74	17.96	17.52	17.74		
15	256QAM	1	74	17.85	17.84	17.73	17.71	17.87		
15	256QAM	36	0	17.87	17.62	17.79	17.74	17.57	19.5	5
15	256QAM	36	20	17.81	17.85	17.83	17.76	17.69		
15	256QAM	36	39	17.88	17.90	17.84	17.72	18.01		
15	256QAM	75	0	18.00	17.87	18.11	17.88	17.95		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.85	22.62	22.75	22.88	22.50	24.50	0
10	QPSK	1	25	22.76	22.66	22.73	22.74	22.68		
10	QPSK	1	49	22.69	22.79	22.69	22.67	22.75		
10	QPSK	25	0	21.91	21.68	21.68	21.58	21.61		
10	QPSK	25	12	21.69	21.72	21.79	21.55	21.58	23.5	1
10	QPSK	25	25	21.90	21.78	21.88	21.53	21.74		
10	QPSK	50	0	21.79	21.79	21.74	21.66	21.64		
10	16QAM	1	0	21.80	21.66	21.74	21.68	21.82		
10	16QAM	1	25	21.78	21.57	21.58	21.72	21.71	23.5	1
10	16QAM	1	49	21.76	21.70	21.73	21.77	21.68		
10	16QAM	25	0	20.80	20.78	20.62	20.63	20.53		
10	16QAM	25	12	20.76	20.67	20.75	20.56	20.63		
10	16QAM	25	25	20.77	20.70	20.72	20.66	20.54	22.5	2
10	16QAM	50	0	20.89	20.80	20.78	20.86	20.57		
10	64QAM	1	0	20.58	20.94	20.73	20.61	20.75		
10	64QAM	1	25	20.87	20.64	20.80	20.67	20.88		
10	64QAM	1	49	20.80	20.69	20.90	20.74	20.82	21.5	2
10	64QAM	25	0	19.69	19.75	19.77	19.51	19.78		
10	64QAM	25	12	19.78	19.78	19.79	19.55	19.57		
10	64QAM	25	25	19.77	19.70	19.78	19.65	19.55		
10	64QAM	50	0	19.87	19.70	19.71	19.56	19.68	19.5	5
10	256QAM	1	0	17.84	17.65	17.95	17.73	17.69		
10	256QAM	1	25	17.97	17.83	17.94	17.87	17.88		
10	256QAM	1	49	17.82	18.00	17.84	17.74	17.75		
10	256QAM	25	0	17.90	17.76	17.84	17.67	17.75	19.5	5
10	256QAM	25	12	17.81	17.85	17.93	17.62	17.68		
10	256QAM	25	25	17.98	17.90	18.00	17.73	17.82		
10	256QAM	50	0	17.86	17.97	17.79	17.81	17.80		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.83	22.73	22.83	22.53	22.54	24.50	0
5	QPSK	1	12	22.67	22.64	22.64	22.73	22.66		
5	QPSK	1	24	22.85	22.65	22.84	22.66	22.76		
5	QPSK	12	0	21.85	21.58	21.82	21.64	21.67		
5	QPSK	12	7	21.76	21.78	21.67	21.51	21.55	23.5	1
5	QPSK	12	13	21.79	21.72	21.89	21.54	21.87		
5	QPSK	25	0	21.75	21.74	21.81	21.64	21.80		
5	16QAM	1	0	21.78	21.55	21.73	21.71	21.72		
5	16QAM	1	12	21.79	21.64	21.57	21.70	21.77	23.5	1
5	16QAM	1	24	21.70	21.73	21.74	21.75	21.65		
5	16QAM	12	0	20.68	20.78	20.67	20.54	20.64		
5	16QAM	12	7	20.84	20.68	20.84	20.56	20.55		
5	16QAM	12	13	20.80	20.70	20.74	20.58	20.51	22.5	2
5	16QAM	25	0	20.96	20.80	20.74	20.88	20.63		
5	64QAM	1	0	20.59	20.94	20.77	20.58	20.78		
5	64QAM	1	12	20.94	20.63	20.82	20.64	20.79		
5	64QAM	1	24	20.84	20.70	20.92	20.80	20.76	22.5	2
5	64QAM	12	0	19.66	19.79	19.72	19.63	19.76		
5	64QAM	12	7	19.86	19.70	19.73	19.59	19.63		
5	64QAM	12	13	19.78	19.70	19.86	19.61	19.52		
5	256QAM	25	0	19.84	19.61	19.72	19.58	19.69	19.5	5
5	256QAM	1	0	17.89	17.74	18.05	17.74	17.69		
5	256QAM	1	12	17.68	17.72	17.76	17.78	17.81		
5	256QAM	1	24	17.71	17.83	17.79	17.73	17.76		
5	256QAM	12	0	17.96	17.76	18.00	17.73	17.78	19.5	5
5	256QAM	12	7	17.86	17.77	17.88	17.64	17.69		
5	256QAM	12	13	17.94	17.84	18.02	17.67	17.92		
5	256QAM	25	0	17.83	17.73	17.91	17.82	17.79		

GSM850 Ant1 DS14

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM T1 Tx slot	33.01	33.08	33.02	34.00	24.01	24.08	24.02	25.00
GPRS 1 Tx slot	32.88	32.85	32.86	34.00	23.88	23.85	23.86	25.00
GPRS 2 Tx slots	29.77	29.51	29.75	31.00	23.77	23.51	23.75	25.00
GPRS 3 Tx slots	27.92	27.71	27.94	29.00	23.66	23.45	23.68	24.74
GPRS 4 Tx slots	26.28	26.48	26.10	28.00	23.28	23.48	23.10	25.00
EDGE 1 Tx slot	26.77	26.92	26.90	28.00	17.77	17.92	17.90	19.00
EDGE 2 Tx slots	23.84	23.70	23.67	25.00	17.84	17.70	17.67	19.00
EDGE 3 Tx slots	21.90	22.18	22.16	23.50	17.64	17.92	17.90	19.24
EDGE 4 Tx slots	20.38	20.68	20.72	22.00	17.38	17.68	17.72	19.00

WCDMA V Ant1 DS14

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	Tune-up Limit (dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2kbps	24.23	24.29	24.16	25.00
3GPP Rel 99	RMC 12.2kbps	24.29	24.36	24.24	25.00
3GPP Rel 6	HSDPA Subtest-1	23.42	23.42	23.28	24.00
3GPP Rel 6	HSDPA Subtest-2	23.46	23.41	23.32	24.00
3GPP Rel 6	HSDPA Subtest-3	22.93	22.88	22.81	23.50
3GPP Rel 6	HSDPA Subtest-4	22.94	22.89	22.70	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.32	23.40	23.26	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.30	23.41	23.14	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.81	22.73	22.77	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.81	22.91	22.74	23.50
3GPP Rel 6	HSUPA Subtest-1	23.40	23.37	23.31	24.00
3GPP Rel 6	HSUPA Subtest-2	21.39	21.41	21.31	22.00
3GPP Rel 6	HSUPA Subtest-3	22.36	22.27	22.30	23.00
3GPP Rel 6	HSUPA Subtest-4	21.39	21.34	21.28	22.00
3GPP Rel 6	HSUPA Subtest-5	23.40	23.40	23.30	24.00

Band 5 Ant1 DS14												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 20450	Power Middle Ch./Freq. 20505	Power High Ch./Freq. 20600	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.28	24.31	24.26	25.7	0				
10	QPSK	1	25	24.27	24.29	24.30						
10	QPSK	1	49	24.20	24.23	24.25						
10	QPSK	25	0	23.31	23.41	23.33						
10	QPSK	25	12	23.40	23.32	23.34						
10	QPSK	25	25	23.35	23.36	23.39	24.7	1				
10	QPSK	50	0	23.31	23.36	23.38						
10	16QAM	1	0	23.23	23.33	23.26						
10	16QAM	1	25	23.21	23.30	23.21						
10	16QAM	1	49	23.25	23.27	23.23						
10	16QAM	25	0	22.32	22.31	22.34	23.7	2				
10	16QAM	25	12	22.42	22.36	22.43						
10	16QAM	25	25	22.38	22.40	22.37						
10	16QAM	50	0	22.40	22.31	22.41						
10	16QAM	50	0	22.44	22.47	22.48						
10	8QAM	1	25	22.51	22.45	22.46	23.7	2				
10	8QAM	1	49	22.41	22.36	22.40						
10	8QAM	25	0	21.33	21.33	21.34						
10	8QAM	25	12	21.42	21.34	21.45						
10	8QAM	25	25	21.37	21.35	21.37						
10	256QAM	1	0	19.40	19.32	19.30	22.7	3				
10	256QAM	1	25	19.26	19.30	19.27						
10	256QAM	1	49	19.28	19.26	19.16						
10	256QAM	25	0	19.36	19.48	19.38						
10	256QAM	25	12	19.32	19.40	19.44						
10	256QAM	25	25	19.38	19.44	19.35	20.7	5				
10	256QAM	50	0	19.39	19.40	19.26						
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.25	24.27	24.27				25.7	0	
5	QPSK	1	12	24.27	24.28	24.28						
5	QPSK	1	24	24.28	24.23	24.30						
5	QPSK	12	0	23.28	23.30	23.29						
5	QPSK	12	7	23.35	23.36	23.38						
5	QPSK	12	13	23.34	23.33	23.35	24.7	1				
5	QPSK	25	0	23.36	23.27	23.29						
5	16QAM	1	0	23.30	23.31	23.29						
5	16QAM	1	12	23.30	23.32	23.37						
5	16QAM	1	24	23.33	23.31	23.22						
5	16QAM	12	0	22.33	22.33	22.35	23.7	2				
5	16QAM	12	7	22.41	22.40	22.45						
5	16QAM	12	13	22.42	22.39	22.41						
5	16QAM	25	0	22.32	22.29	22.29						
5	8QAM	1	0	22.53	22.50	22.48						
5	8QAM	1	12	22.55	22.50	22.47	23.7	2				
5	8QAM	1	24	22.46	22.46	22.56						
5	8QAM	12	0	21.35	21.31	21.36						
5	8QAM	12	7	21.41	21.41	21.41						
5	8QAM	12	13	21.38	21.35	21.41						
5	8QAM	25	0	21.38	21.30	21.28	20.7	5				
5	256QAM	1	0	19.18	19.25	19.25						
5	256QAM	1	12	19.19	19.26	19.21						
5	256QAM	1	24	19.31	19.20	19.40						
5	256QAM	12	0	19.34	19.37	19.25						
5	256QAM	12	7	19.37	19.40	19.31	20.7	5				
5	256QAM	12	13	19.27	19.37	19.37						
5	256QAM	25	0	19.47	19.30	19.23						
Channel												
Frequency (MHz)												
3	QPSK	1	0	24.22	24.26	24.22	25.7	0				
3	QPSK	1	8	24.30	24.29	24.29						
3	QPSK	1	14	24.21	24.22	24.22						
3	QPSK	8	0	23.34	23.28	23.29						
3	QPSK	8	4	23.35	23.35	23.36						
3	QPSK	8	7	23.33	23.34	23.34	24.7	1				
3	QPSK	15	0	23.32	23.23	23.32						
3	16QAM	1	0	23.38	23.39	23.39						
3	16QAM	1	8	23.50	23.52	23.49						
3	16QAM	1	14	23.47	23.40	23.46						
3	16QAM	8	0	22.40	22.32	22.35	23.7	2				
3	16QAM	8	4	22.45	22.44	22.48						
3	16QAM	8	7	22.43	22.44	22.42						
3	16QAM	15	0	22.39	22.28	22.42						
3	8QAM	1	0	22.51	22.44	22.43						
3	8QAM	1	8	22.51	22.46	22.58	23.7	2				
3	8QAM	1	14	22.39	22.47	22.48						
3	8QAM	8	0	21.41	21.29	21.32						
3	8QAM	8	4	21.41	21.38	21.36						
3	8QAM	8	7	21.37	21.34	21.37						
3	8QAM	15	0	21.36	21.27	21.36	20.7	5				
3	256QAM	1	0	19.22	19.35	19.20						
3	256QAM	1	8	19.20	19.35	19.23						
3	256QAM	1	14	19.32	19.29	19.25						
3	256QAM	8	0	19.30	19.27	19.33						
3	256QAM	8	4	19.25	19.47	19.46	20.7	5				
3	256QAM	8	7	19.24	19.31	19.39						
3	256QAM	15	0	19.31	19.23	19.29						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	24.11	24.12	24.21	25.7	0				
1.4	QPSK	1	3	24.25	24.29	24.11						
1.4	QPSK	1	5	24.10	24.23	24.18						
1.4	QPSK	3	0	24.07	24.23	24.10						
1.4	QPSK	3	1	24.30	24.16	24.07						
1.4	QPSK	3	3	24.18	24.24	24.01	24.7	1				
1.4	QPSK	6	0	23.20	23.08	23.16						
1.4	16QAM	1	0	23.23	23.19	23.23						
1.4	16QAM	1	3	23.20	23.26	23.31						
1.4	16QAM	1	5	23.11	23.20	23.24						
1.4	16QAM	3	0	23.36	23.26	23.24	23.7	2				
1.4	16QAM	3	1	23.42	23.39	23.46						
1.4	16QAM	3	3	23.44	23.37	23.27						
1.4	16QAM	6	0	22.34	22.26	22.22						
1.4	8QAM	1	0	22.29	22.38	22.41						
1.4	8QAM	1	3	22.38	22.31	22.36	23.7	2				
1.4	8QAM	1	5	22.23	22.20	22.25						
1.4	8QAM	3	0	22.41	22.23	22.42						
1.4	8QAM	3	1	22.53	22.48	22.57						
1.4	8QAM	3	3	22.41	22.30	22.32						
1.4	8QAM	6	0	21.38	21.25	21.28	22.7	3				
1.4	256QAM	1	0	19.17	19.01	19.11						
1.4	256QAM	1	3	19.29	19.27	19.08						
1.4	256QAM	1	5	19.02	19.22	19.09						
1.4	256QAM	3	0	19.05	19.21	19.13						
1.4	256QAM	3	1	19.30	19.25	19.03	20.7	5				
1.4	256QAM	3	3	19.28	19.27	19.07						
1.4	256QAM	6	0	19.14	19.08	19.11						

Band 12 Ant1 DS14									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (dBm)	Power Middle Ch./Freq. (dBm)	Power High Ch./Freq. (dBm)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.34	24.46	24.29	25.7	0	
10	QPSK	1	25	24.44	24.39	24.33			
10	QPSK	1	49	24.45	24.43	24.45			
10	QPSK	25	0	23.48	23.54	23.44			
10	QPSK	25	12	23.53	23.53	23.46			
10	QPSK	25	25	23.48	23.52	23.47	24.7	1	
10	QPSK	50	0	23.48	23.53	23.45			
10	16QAM	1	0	23.59	23.49	23.55	24.7	1	
10	16QAM	1	25	23.49	23.56	23.57			
10	16QAM	1	49	23.39	23.53	23.38			
10	16QAM	25	0	22.43	22.46	22.45			
10	16QAM	25	12	22.46	22.46	22.53			
10	16QAM	25	25	22.52	22.56	22.54	23.7	2	
10	16QAM	50	0	22.52	22.49	22.46			
10	16QAM	1	0	22.54	22.46	22.51	23.7	2	
10	16QAM	1	25	22.47	22.55	22.55			
10	16QAM	1	49	22.58	22.65	22.60			
10	16QAM	25	0	21.46	21.45	21.43			
10	16QAM	25	12	21.55	21.54	21.46			
10	16QAM	25	25	21.53	21.51	21.52	22.7	3	
10	16QAM	50	0	21.50	21.50	21.45			
10	25QAM	1	0	19.36	19.51	19.39	20.7	5	
10	25QAM	1	25	19.40	19.36	19.39			
10	25QAM	1	49	19.55	19.34	19.45			
10	25QAM	25	0	19.54	19.56	19.52			
10	25QAM	25	12	19.57	19.57	19.58			
10	25QAM	25	25	19.53	19.59	19.43	20.7	5	
10	25QAM	50	0	19.42	19.64	19.49			
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.36	24.43	24.37	25.7	0	
5	QPSK	1	12	24.40	24.36	24.45			
5	QPSK	1	24	24.39	24.42	24.39			
5	QPSK	12	0	23.42	23.40	23.42			
5	QPSK	12	13	23.50	23.50	23.46			
5	QPSK	25	0	23.48	23.45	23.48	24.7	1	
5	16QAM	1	0	23.30	23.35	23.39			
5	16QAM	1	12	23.54	23.45	23.58	23.7	2	
5	16QAM	1	24	23.42	23.55	23.39			
5	16QAM	12	0	22.45	22.48	22.46			
5	16QAM	12	13	22.56	22.52	22.55			
5	16QAM	25	0	22.52	22.50	22.55			
5	16QAM	25	0	22.52	22.49	22.55	23.7	2	
5	16QAM	1	0	22.62	22.66	22.74			
5	16QAM	1	12	22.62	22.60	22.72	23.7	2	
5	16QAM	1	24	22.56	22.57	22.61			
5	16QAM	12	0	21.45	21.45	21.45	22.7	3	
5	16QAM	12	7	21.54	21.47	21.52			
5	16QAM	12	13	21.51	21.50	21.50	20.7	5	
5	16QAM	25	0	21.52	21.48	21.49			
5	25QAM	1	0	19.42	19.47	19.39	20.7	5	
5	25QAM	1	12	19.42	19.45	19.38			
5	25QAM	1	24	19.32	19.45	19.49			
5	25QAM	12	0	19.51	19.33	19.34			
5	25QAM	12	7	19.52	19.54	19.38			
5	25QAM	12	13	19.52	19.30	19.43	20.7	5	
5	25QAM	25	0	19.51	19.42	19.47			
Channel									
Frequency (MHz)									
3	QPSK	1	0	24.35	24.43	24.35	25.7	0	
3	QPSK	1	8	24.45	24.42	24.42			
3	QPSK	1	14	24.35	24.33	24.34			
3	QPSK	8	0	23.51	23.43	23.43			
3	QPSK	8	4	23.53	23.50	23.50			
3	QPSK	8	7	23.47	23.45	23.46	24.7	1	
3	QPSK	15	0	23.49	23.46	23.39			
3	16QAM	1	0	23.41	23.42	23.42	24.7	1	
3	16QAM	1	8	23.58	23.53	23.60			
3	16QAM	1	14	23.41	23.43	23.38			
3	16QAM	8	0	22.61	22.53	22.51			
3	16QAM	8	4	22.62	22.52	22.59			
3	16QAM	8	7	22.58	22.56	22.53	23.7	2	
3	16QAM	15	0	22.52	22.50	22.43			
3	16QAM	1	0	22.59	22.63	22.51	23.7	2	
3	16QAM	1	8	22.66	22.62	22.68			
3	16QAM	1	14	22.51	22.46	22.53			
3	16QAM	8	0	21.60	21.44	21.46			
3	16QAM	8	4	21.67	21.55	21.55			
3	16QAM	8	7	21.52	21.48	21.50	22.7	3	
3	16QAM	15	0	21.52	21.47	21.45			
3	25QAM	1	0	19.45	19.21	19.37	20.7	5	
3	25QAM	1	8	19.53	19.54	19.49			
3	25QAM	1	14	19.27	19.31	19.48			
3	25QAM	8	0	19.52	19.36	19.53			
3	25QAM	8	4	19.53	19.51	19.43			
3	25QAM	8	7	19.51	19.34	19.53	20.7	5	
3	25QAM	15	0	19.46	19.39	19.31			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.21	24.32	24.23	25.7	0	
1.4	QPSK	1	3	24.26	24.36	24.38			
1.4	QPSK	1	5	24.38	24.37	24.32			
1.4	QPSK	1	8	24.29	24.19	24.32			
1.4	QPSK	3	0	24.40	24.42	24.41			
1.4	QPSK	3	3	24.30	24.22	24.23	24.7	1	
1.4	QPSK	6	0	23.26	23.28	23.42			
1.4	16QAM	1	0	23.29	23.40	23.42	24.7	1	
1.4	16QAM	1	3	23.37	23.32	23.47			
1.4	16QAM	1	5	23.29	23.32	23.40			
1.4	16QAM	3	0	23.12	23.13	23.39			
1.4	16QAM	3	1	23.44	23.37	23.59			
1.4	16QAM	3	3	23.23	23.30	23.47	23.7	2	
1.4	16QAM	6	0	22.29	22.50	22.24			
1.4	16QAM	1	0	22.49	22.31	22.25	20.7	5	
1.4	16QAM	1	3	22.45	22.48	22.48			
1.4	16QAM	1	5	22.37	22.40	22.49			
1.4	16QAM	3	0	22.46	22.52	22.39			
1.4	16QAM	3	1	22.59	22.47	22.68			
1.4	16QAM	3	3	22.51	22.36	22.41	22.7	3	
1.4	16QAM	6	0	21.47	21.41	21.41			
1.4	25QAM	1	0	19.24	19.29	19.16	20.7	5	
1.4	25QAM	1	3	19.17	19.35	19.45			
1.4	25QAM	1	5	19.36	19.33	19.30			
1.4	25QAM	3	0	19.23	19.31	19.40			
1.4	25QAM	3	1	19.36	19.44	19.52			
1.4	25QAM	3	3	19.34	19.15	19.34	20.7	5	
1.4	25QAM	6	0	19.15	19.37	19.45			

Band 17 Ant1 DSI4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.26	24.36	24.27	25.7	0	
10	QPSK	1	25	24.35	24.31	24.35			
10	QPSK	1	49	24.28	24.30	24.28			
10	QPSK	25	0	23.37	23.45	23.36	24.7	1	
10	QPSK	25	12	23.34	23.37	23.41			
10	QPSK	25	25	23.39	23.39	23.37			
10	QPSK	50	0	23.41	23.42	23.32	24.7	1	
10	16QAM	1	0	23.63	23.70	23.64			
10	16QAM	1	25	23.56	23.74	23.63			
10	16QAM	1	49	23.71	23.69	23.70	23.7	1	
10	16QAM	25	0	22.39	22.38	22.38			
10	16QAM	25	12	22.47	22.40	22.49			
10	16QAM	25	25	22.42	22.43	22.43	23.7	2	
10	16QAM	50	0	22.41	22.33	22.44			
10	64QAM	1	0	22.42	22.40	22.49			
10	64QAM	1	25	22.50	22.45	22.59	23.7	2	
10	64QAM	1	49	22.53	22.51	22.51			
10	64QAM	25	0	21.37	21.37	21.38			
10	64QAM	25	12	21.48	21.41	21.47	22.7	3	
10	64QAM	25	25	21.39	21.40	21.43			
10	64QAM	50	0	21.40	21.34	21.42			
10	256QAM	1	0	19.09	19.29	19.07	20.7	5	
10	256QAM	1	25	18.97	19.31	19.16			
10	256QAM	1	49	19.28	19.09	19.14			
10	256QAM	25	0	19.18	19.25	19.03	20.7	5	
10	256QAM	25	12	19.29	19.29	19.27			
10	256QAM	25	25	19.40	19.37	19.01			
10	256QAM	50	0	19.28	19.15	19.11			
Channel				23755 <th>23790</th> <th>23825</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5 <th>710<th>713.5</th><th colspan="3"></th></th>	710 <th>713.5</th> <th colspan="3"></th>	713.5			
5	QPSK	1	0	24.32	24.33	24.31	25.7	0	
5	QPSK	1	12	24.31	24.31	24.34			
5	QPSK	1	24	24.23	24.22	24.24			
5	QPSK	12	0	23.33	23.34	23.33	24.7	1	
5	QPSK	12	7	23.38	23.37	23.36			
5	QPSK	12	13	23.31	23.32	23.30			
5	QPSK	25	0	23.36	23.27	23.28	24.7	1	
5	16QAM	1	0	23.66	23.71	23.72			
5	16QAM	1	12	23.69	23.75	23.75			
5	16QAM	1	24	23.57	23.54	23.66	23.7	1	
5	16QAM	12	0	22.38	22.38	22.38			
5	16QAM	12	7	22.43	22.45	22.43			
5	16QAM	12	13	22.37	22.31	22.33	23.7	2	
5	16QAM	25	0	22.37	22.30	22.30			
5	64QAM	1	0	22.49	22.42	22.42			
5	64QAM	1	12	22.50	22.45	22.56	23.7	2	
5	64QAM	1	24	22.43	22.43	22.42			
5	64QAM	12	0	21.35	21.34	21.40			
5	64QAM	12	7	21.42	21.41	21.42	22.7	3	
5	64QAM	12	13	21.33	21.31	21.31			
5	64QAM	25	0	21.35	21.30	21.29			
5	256QAM	1	0	19.08	19.32	19.04	20.7	5	
5	256QAM	1	12	18.96	19.26	19.15			
5	256QAM	1	24	19.22	19.04	19.16			
5	256QAM	12	0	19.18	19.23	19.09	20.7	5	
5	256QAM	12	7	19.26	19.32	19.35			
5	256QAM	12	13	19.38	19.40	19.13			
5	256QAM	25	0	19.28	19.17	19.07			

Band 26 Ant1 DSI4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 26765	Power Middle Ch. Freq. 26865	Power High Ch. Freq. 26965	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	24.21	24.32	24.30	25.7	0				
15	QPSK	1	37	24.22	24.31	24.28						
15	QPSK	1	74	24.30	24.28	24.26						
15	QPSK	36	0	23.24	23.35	23.27	24.7	1				
15	QPSK	36	20	23.32	23.28	23.34						
15	QPSK	36	39	23.29	23.30	23.34						
15	QPSK	75	0	23.30	23.36	23.29	24.7	1				
15	16QAM	1	0	23.34	23.37	23.45						
15	16QAM	1	37	23.25	23.35	23.41						
15	16QAM	1	74	23.46	23.32	23.33	23.7	2				
15	16QAM	36	0	22.26	22.32	22.31						
15	16QAM	36	20	22.33	22.32	22.38						
15	16QAM	36	39	22.33	22.40	22.36	23.7	2				
15	16QAM	75	0	22.34	22.30	22.36						
15	64QAM	1	0	22.37	22.41	22.44						
15	64QAM	1	37	22.33	22.46	22.50	23.7	2				
15	64QAM	1	74	22.39	22.42	22.48						
15	64QAM	36	0	21.24	21.30	21.28						
15	64QAM	36	20	21.32	21.28	21.36	22.7	3				
15	64QAM	36	39	21.34	21.37	21.36						
15	64QAM	75	0	21.33	21.30	21.38						
15	256QAM	1	0	19.16	19.31	18.99	20.7	5				
15	256QAM	1	37	19.01	19.25	19.11						
15	256QAM	1	74	19.30	19.03	19.15						
15	256QAM	36	0	19.24	19.29	19.02	20.7	5				
15	256QAM	36	20	19.35	19.39	19.29						
15	256QAM	36	39	19.40	19.28	19.11						
15	256QAM	75	0	19.31	19.17	19.06						
Channel							Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)												
10	QPSK	1	0	24.15	24.10	24.22	25.7	0				
10	QPSK	1	25	24.12	24.22	24.15						
10	QPSK	1	49	24.29	24.23	24.07						
10	QPSK	25	0	23.07	23.28	23.24	24.7	1				
10	QPSK	25	12	23.23	23.29	23.16						
10	QPSK	25	25	23.17	23.32	23.31						
10	16QAM	1	0	23.14	23.33	23.26	24.7	1				
10	16QAM	1	25	23.21	23.37	23.19						
10	16QAM	1	49	23.26	23.27	23.32						
10	16QAM	25	0	22.05	22.11	22.13	23.7	2				
10	16QAM	25	12	22.31	22.15	22.17						
10	16QAM	25	25	22.35	22.22	22.27						
10	16QAM	50	0	22.29	22.10	22.14	23.7	2				
10	64QAM	1	0	22.38	22.43	22.36						
10	64QAM	1	25	22.24	22.28	22.32						
10	64QAM	1	49	22.28	22.31	22.44	22.7	3				
10	64QAM	25	0	21.20	21.31	21.08						
10	64QAM	25	12	21.19	21.18	21.31						
10	64QAM	25	25	21.15	21.24	21.33	20.7	5				
10	64QAM	50	0	21.13	21.30	21.16						
10	256QAM	1	0	19.14	19.28	19.03						
10	256QAM	1	25	18.96	19.23	19.11	20.7	5				
10	256QAM	1	49	19.27	19.12	19.15						
10	256QAM	25	0	19.24	19.29	19.13						
10	256QAM	25	12	19.31	19.28	19.28						
10	256QAM	25	25	19.30	19.31	19.02	20.7	5				
10	256QAM	50	0	19.32	19.21	19.05						
Channel									Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)												
5	QPSK	1	0	24.01	24.15	24.19	25.7	0				
5	QPSK	1	12	24.09	24.24	24.16						
5	QPSK	1	24	24.18	24.21	24.05						
5	QPSK	12	0	23.01	23.24	23.19	24.7	1				
5	QPSK	12	13	23.26	23.31	23.23						
5	QPSK	25	0	23.23	23.20	23.19						
5	16QAM	1	0	23.13	23.35	23.27	24.7	1				
5	16QAM	1	12	23.25	23.30	23.22						
5	16QAM	1	24	23.37	23.30	23.28						
5	16QAM	12	0	22.25	22.17	22.19	23.7	2				
5	16QAM	12	7	22.24	22.34	22.30						
5	16QAM	12	15	22.15	22.25	22.18						
5	16QAM	25	0	22.34	22.18	22.26	23.7	2				
5	64QAM	1	0	22.27	22.23	22.39						
5	64QAM	1	12	22.27	22.46	22.31						
5	64QAM	1	24	22.38	22.29	22.41	22.7	3				
5	64QAM	12	0	21.27	21.16	21.07						
5	64QAM	12	7	21.11	21.13	21.19						
5	64QAM	12	13	21.28	21.35	21.17	20.7	5				
5	64QAM	25	0	21.34	21.10	21.37						
5	64QAM	25	1	21.05	21.19	21.04						
5	256QAM	1	12	19.01	19.35	19.17	20.7	5				
5	256QAM	1	24	19.18	19.12	19.19						
5	256QAM	12	0	19.17	19.30	19.12						
5	256QAM	12	7	19.31	19.38	19.27	20.7	5				
5	256QAM	12	13	19.25	19.28	19.14						
5	256QAM	25	0	19.35	19.16	19.16						
Channel							Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)												
3	QPSK	1	0	24.15	24.22	24.23	25.7	0				
3	QPSK	1	8	24.20	24.36	24.22						
3	QPSK	1	14	24.19	24.17	24.22						
3	QPSK	6	0	23.11	23.23	23.20	24.7	1				
3	QPSK	6	8	23.28	23.18	23.13						
3	QPSK	6	16	23.26	23.26	23.19						
3	QPSK	15	0	23.18	23.11	23.31	23.7	2				
3	16QAM	1	0	23.23	23.34	23.24						
3	16QAM	1	8	23.19	23.26	23.25						
3	16QAM	1	14	23.17	23.22	23.32	23.7	2				
3	16QAM	6	0	22.26	22.41	22.32						
3	16QAM	6	8	22.33	22.28	22.28						
3	16QAM	1	8	22.17	22.43	22.50	23.7	2				
3	64QAM	1	14	22.18	22.23	22.28						
3	64QAM	8	0	21.24	21.20	21.30						
3	64QAM	8	4	21.21	21.23	21.31	22.7	3				
3	64QAM	8	7	21.13	21.23	21.25						
3	64QAM	15	0	21.29	21.32	21.24						
3	256QAM	1	0	19.14	19.29	19.02	20.7	5				
3	256QAM	1	8	18.97	19.35	19.13						
3	256QAM	1	14	19.11	19.12	19.14						
3	256QAM	8	0	19.18	19.29	19.12	20.7	5				
3	256QAM	8	4	19.37	19.35	19.34						
3	256QAM	8	7	19.39	19.36	19.13						
3	256QAM	15	0	19.33	19.09	19.09	20.7	5				
Channel										Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)												
1.4	QPSK	1	0	24.00	24.28	24.18	25.7	0				
1.4	QPSK	1	3	24.06	24.25	24.25						
1.4	QPSK	1	5	24.11	24.07	24.07						
1.4	QPSK	3	0	24.19	24.22	24.13	24.7	1				
1.4	QPSK	3	1	24.10	24.23	24.27						
1.4	QPSK	3	3	24.30	24.17	24.25						
1.4	QPSK	6	0	23.27	23.20	23.07	23.7	2				
1.4	16QAM	1	0	23.21	23.28	23.15						
1.4	16QAM	1	3	23.11	23.27	23.16						
1.4	16QAM	1	5	23.15	23.29	23.11	23.7	2				
1.4	16QAM	3	1	23.07	23.29	23.14						
1.4	16QAM	3	1	23.19	23.30	23.18						
1.4	16QAM	3	3	22.36	22.27	22.38	22.7	3				
1.4	16QAM	6	0	22.25	22.09	22.31						
1.4	64QAM	1	0	22.31	22.27	22.28						
1.4	64QAM	1	3	22.10	22.34	22.18	23.7	2				
1.4	64QAM	1	5	22.29	22.10	22.35						
1.4	64QAM	3	3	22.36	22.22	22.38						
1.4	64QAM	3	1	22.28	22.52	22.22	22.7	3				
1.4	64QAM	6	0	21.04	21.24	21.18						
1.4	256QAM	1	0	19.09	19.19	19.03						
1.4	256QAM	1	3	19.18	19.30	19.09	20.7	5				
1.4	256QAM	3	3	19.28	19.26	19.35						
1.4	256QAM	3	3	19.37	19.37	19.08						
1.4	256QAM	6	0	19.24	19.11	19.07	20.7	5				

GSM1900 Ant3 DS14

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	30.02	29.88	30.01	30.50	21.02	20.88	21.01	21.50
GSM 1 Tx slot	29.93	29.75	29.74	30.50	20.93	20.75	20.74	21.50
GPRS 2 Tx slots	26.76	26.57	26.43	27.50	20.76	20.57	20.43	21.50
GPRS 3 Tx slots	24.57	24.68	24.83	25.50	20.31	20.42	20.57	21.24
GPRS 4 Tx slots	23.31	23.32	23.19	24.50	20.31	20.32	20.19	21.50
EDGE 1 Tx slot	25.73	25.78	25.98	26.50	16.73	16.78	16.98	17.50
EDGE 2 Tx slots	22.45	22.39	22.33	24.00	16.45	16.38	16.33	18.00
EDGE 3 Tx slots	20.60	20.66	20.82	21.50	16.34	16.40	16.56	17.24
EDGE 4 Tx slots	18.92	19.04	19.27	20.50	15.92	16.04	16.27	17.50

WCDMA II Ant3 DS4

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
TX Channel	9662	9800	9938		1537	1638	1738	
Rx Channel	1659.4	1680	1697.6		1742.4	1729.3	1752.6	
Frequency (MHz)	23.85	23.87	23.71	25.00	23.80	23.93	23.94	25.00
3GPP Rel 99	23.92	23.93	23.88	25.00	23.84	23.99	23.92	25.00
3GPP Rel 6	22.90	22.74	22.69	24.00	22.76	22.64	22.78	24.00
3GPP Rel 6	22.85	22.78	22.85	24.00	22.68	22.71	22.56	24.00
3GPP Rel 6	22.27	22.10	22.06	23.50	21.88	22.24	21.77	23.50
3GPP Rel 6	21.96	22.18	22.17	23.50	21.91	22.07	22.03	23.50
3GPP Rel 8	22.88	22.69	22.82	24.00	22.71	22.79	22.74	24.00
3GPP Rel 8	22.83	22.85	22.95	24.00	22.65	22.75	22.51	24.00
3GPP Rel 8	22.38	22.08	21.94	23.50	21.80	22.11	21.80	23.50
3GPP Rel 8	22.02	22.30	22.12	23.50	21.99	22.19	21.89	23.50
3GPP Rel 6	22.71	22.69	22.86	24.00	22.73	22.54	22.82	24.00
3GPP Rel 6	20.68	20.80	20.85	22.00	20.86	20.99	20.71	22.00
3GPP Rel 6	21.78	21.76	21.42	23.00	21.64	21.94	21.57	23.00
3GPP Rel 6	20.51	20.66	20.65	22.00	20.46	20.48	20.31	22.00
3GPP Rel 6	23.06	22.66	22.84	24.00	22.91	22.75	22.86	24.00

Band 2 Ant3 D54														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up (sec)	MPE (dB)						
Channel														
1860 1880 1900														
20	QPSK	1	0	24.26	24.28	24.17	25.5	0						
20	QPSK	1	49	24.26	24.18	24.26								
20	QPSK	1	99	24.14	24.07	24.15								
20	QPSK	50	0	23.26	23.30	23.23	24.5	1						
20	QPSK	50	4	23.35	23.34	23.30								
20	QPSK	50	50	23.26	23.24	23.24								
20	QPSK	100	0	23.19	23.31	23.21	24.5	1						
20	QPSK	100	4	23.35	23.34	23.30								
20	QPSK	100	49	23.52	23.62	23.44								
20	16QAM	1	0	22.32	22.36	22.34	23.5	2						
20	16QAM	1	49	22.32	22.36	22.34								
20	16QAM	1	99	22.32	22.36	22.34								
20	16QAM	50	0	22.32	22.34	22.34	23.5	2						
20	16QAM	50	24	22.35	22.21	22.25								
20	16QAM	100	0	22.32	22.20	22.23								
20	16QAM	100	0	22.40	22.44	22.34	23.5	2						
20	16QAM	100	49	22.27	22.32	22.31								
20	16QAM	100	99	22.27	22.32	22.31								
20	16QAM	50	0	21.30	21.28	21.27	22.5	3						
20	16QAM	50	24	21.34	21.22	21.29								
20	16QAM	50	50	21.25	21.24	21.25								
20	16QAM	100	0	21.32	21.21	21.21	20.5	5						
20	16QAM	100	4	21.34	21.22	21.23								
20	16QAM	100	49	19.33	19.18	19.18								
20	256QAM	1	0	19.22	18.88	19.22	20.5	5						
20	256QAM	1	49	19.35	19.28	19.28								
20	256QAM	1	99	19.35	19.28	19.28								
20	256QAM	50	0	19.26	19.18	19.18	20.5	5						
20	256QAM	50	24	19.35	19.27	19.28								
20	256QAM	100	0	19.17	19.33	19.27								
Channel														
1860 1880 1900														
15	QPSK	1	0	24.07	24.16	24.21	25.5	0						
15	QPSK	1	37	24.20	24.04	24.25								
15	QPSK	1	74	24.11	24.05	24.15								
15	QPSK	36	0	23.32	23.19	23.27	24.5	1						
15	QPSK	36	20	23.13	23.12	23.18								
15	QPSK	36	39	23.08	23.02	23.28								
15	16QAM	1	0	23.13	23.24	23.12	24.5	1						
15	16QAM	1	37	23.48	23.38	23.21								
15	16QAM	1	74	23.48	23.38	23.21								
15	16QAM	36	0	22.08	22.00	22.14	23.5	2						
15	16QAM	36	20	22.35	22.25	22.10								
15	16QAM	36	39	22.16	22.14	22.26								
15	16QAM	75	0	22.36	22.05	22.18	23.5	2						
15	16QAM	75	0	22.22	22.20	22.23								
15	16QAM	75	37	22.30	22.33	22.33								
15	16QAM	1	74	22.14	22.17	22.19	22.5	3						
15	16QAM	36	0	21.23	21.29	21.24								
15	16QAM	36	20	21.13	21.26	21.15								
15	16QAM	36	39	21.27	21.27	21.32	20.5	5						
15	16QAM	75	0	21.20	21.16	21.04								
15	16QAM	75	0	19.15	19.07	19.21								
15	256QAM	1	37	19.27	19.02	19.24	20.5	5						
15	256QAM	1	74	19.04	19.11	19.13								
15	256QAM	1	99	19.34	19.26	19.26								
15	256QAM	36	20	19.19	19.21	19.12	20.5	5						
15	256QAM	36	39	19.22	19.08	19.28								
15	256QAM	75	0	19.39	19.27	19.18								
Channel														
1860 1880 1900														
10	QPSK	1	0	24.14	24.16	24.21	25.5	0						
10	QPSK	1	25	24.28	24.08	24.21								
10	QPSK	1	49	24.32	24.04	24.37								
10	QPSK	12	0	23.19	23.28	23.18	24.5	1						
10	QPSK	25	12	23.29	23.18	23.18								
10	QPSK	25	25	23.28	23.15	23.18								
10	QPSK	36	0	23.34	23.11	23.27	24.5	1						
10	16QAM	1	0	23.33	23.21	23.27								
10	16QAM	1	25	23.54	23.42	23.30								
10	16QAM	1	49	23.04	23.11	23.05	23.5	2						
10	16QAM	25	0	22.17	22.26	22.19								
10	16QAM	25	12	22.25	22.00	22.16								
10	16QAM	25	25	22.05	22.28	22.22	23.5	2						
10	16QAM	50	0	22.07	22.14	22.04								
10	16QAM	1	0	22.22	22.41	22.24								
10	16QAM	1	25	22.35	22.27	22.25	23.5	2						
10	16QAM	1	49	22.19	22.18	22.29								
10	16QAM	25	0	21.34	21.19	21.15	22.5	3						
10	16QAM	25	12	21.24	21.23	21.25								
10	16QAM	25	25	21.08	21.14	21.24								
10	16QAM	50	0	21.33	20.99	21.22	20.5	5						
10	256QAM	1	0	19.05	19.28	19.21								
10	256QAM	1	25	19.17	19.08	19.22								
10	256QAM	1	49	19.00	18.99	19.06	20.5	5						
10	256QAM	1	99	19.08	19.15	19.30								
10	256QAM	25	12	19.15	19.26	19.10								
10	256QAM	25	25	19.35	19.22	19.08	20.5	5						
10	256QAM	50	0	19.29	19.23	19.29								
10	256QAM	50	25	19.39	19.23	19.29								
Channel														
1860 1880 1900														
5	QPSK	1	0	24.14	24.22	24.03	25.5	0						
5	QPSK	1	12	24.11	24.08	24.26								
5	QPSK	1	24	24.24	24.05	24.05								
5	QPSK	12	0	23.08	23.28	23.17	24.5	1						
5	QPSK	12	7	23.23	23.19	23.30								
5	QPSK	12	13	23.15	23.18	23.08								
5	QPSK	25	0	23.24	23.05	23.02	24.5	1						
5	16QAM	1	0	23.37	23.31	23.08								
5	16QAM	1	12	23.52	23.39	23.39								
5	16QAM	1	24	23.02	23.18	23.07	23.5	2						
5	16QAM	12	0	22.15	22.07	22.18								
5	16QAM	12	7	22.28	22.09	22.20								
5	16QAM	12	13	22.07	22.28	22.07	23.5	2						
5	16QAM	25	0	22.18	22.16	22.23								
5	16QAM	1	0	22.44	22.44	22.10	23.5	2						
5	16QAM	1	12	22.48	22.52	22.39								
5	16QAM	1	24	22.08	22.16	22.32								
5	16QAM	12	0	21.08	21.19	21.19	22.5	3						
5	16QAM	12	7	21.15	21.07	21.15	22.5	3						
5	16QAM	12	13	21.01	21.02	21.11								
5	16QAM	25	0	21.18	21.09	21.18								
5	16QAM	1	0	19.22	19.23	19.00	20.5	5						
5	16QAM	1	12	19.08	19.16	19.25								
5	16QAM	1	24	19.24	19.05	19.24								
5	16QAM	12	0	19.18	19.18	19.28	20.5	5						
5	16QAM	12	7	19.18	19.18	19.28								
5	16QAM	12	13	19.21	19.24	19.14								
5	256QAM	25	0	19.23	19.03	19.01	20.5	5						
5	256QAM	25	25	19.39	19.23	19.23								
5	256QAM	50	0	19.29	19.23	19.29								
Channel														
1860 1880 1900														
3	QPSK	1	0	24.08	24.12	24.00	25.5	0						
3	QPSK	1	8	24.22	24.07	24.11								
3	QPSK	1	16	24.12	24.06	24.20								
3	QPSK	8	0	23.26	23.20	23.15	24.5	1						
3	QPSK	8	4	23.26	23.09	23.06								
3	QPSK	8	8	23.03	23.21	23.18								
3	QPSK	15	0	23.34	23.23	23.10	24.5	1						
3	QPSK	15	8	23.32	23.25	23.29								
3	QPSK	15	16	23.32	23.27	23.31								
3	QPSK	1	14	23.25	23.04	23.30	23.5	2						
3	QPSK	8	0	22.26	22.29	22.26								
3	QPSK	8	4	22.20	22.19	22.05								
3	QPSK	8	7	22.28	22.21	22.17	23.5	2						
3	QPSK	8	14	22.03	22.21	22.21								
3	QPSK	8	16	22.26	22.42	22.14								
3	QPSK	1	8	22.26	22.33	22.12	23.5	2						
3	QPSK	8	0	21.24	21.24	21.24								
3	QPSK	8	0	21.17	21.17	21.17								
3	QPSK	8	4	21.38	21.21	21.12	22.5	3						
3	QPSK	8	8	21.22	21.02	21.25								
3	QPSK	16	0	21.27	21.10	21.10								
3	QPSK	1	0	19.08	19.20	18.99	20.5	5						
3	QPSK	1	8	19.08	19.08	19.08								
3	QPSK	1	14	19.04	19.01	18.96								
3	QPSK	8	0	19.20	19.25	19.23	20.5	5						
3	QPSK	8	8	19.25	19.09	19.06								
3	QPSK	8	7	19.09	19.30	19.11								
3	256QAM	15	0	19.46	19.27	19.08	20.5	5						
3	256QAM	15	15	19.39	19.27	19.27								
3	256QAM	30	0	19.29	19.23	19.26								
Channel														
1860 1880 1900														
1.4	QPSK	1	0	23.89	24.07	24.14	25.5	0						
1.4	QPSK	1	8	24.08	24.06	24.20								
1.4	QPSK	1	16	23.91	23.71	23.78								
1.4	QPSK	1	8	23.91	24.19	24.03	24.5	1						
1.4	QPSK	1	16	23.88	23.84	23.62								
1.4	QPSK	3	0	23.94	24.00	23.97								
1.4	QPSK	6	0	23.09	23.32	23.26	24.5	1						
1.4	QPSK	6	8	23.05	23.17	23.15								
1.4	QPSK	3	8	23.90	23.91	23.95								
1.4	16QAM	1	0	22.05	22.26	22.03	23.5	2						
1.4	16QAM	1	8	22.04										

Band 25 Ant3 DS14														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mode Ch / Freq	Power High Ch / Freq	Tune-up Int. (sec)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	24.27	24.29	24.24	25.5	0						
20	QPSK	1	0	24.23	24.22	24.19								
20	QPSK	1	99	24.15	24.08	24.13								
20	QPSK	50	0	23.26	23.31	23.17								
20	QPSK	50	50	23.26	23.20	23.16	24.5	1						
20	QPSK	100	0	23.27	23.29	23.24								
20	16QAM	1	0	23.43	23.34	23.29								
20	16QAM	1	49	23.54	23.32	23.32								
20	16QAM	50	0	23.19	23.29	23.27	24.5	1						
20	16QAM	50	0	22.25	22.24	22.15								
20	16QAM	50	24	22.33	22.31	22.17								
20	16QAM	100	0	22.29	22.28	22.23								
20	16QAM	1	0	22.46	22.40	22.24	23.5	2						
20	16QAM	1	99	22.27	22.30	22.23								
20	16QAM	50	0	21.24	21.23	21.20								
20	16QAM	50	0	21.34	21.33	21.25								
20	16QAM	50	50	21.27	21.23	21.21	22.5	3						
20	16QAM	100	0	21.30	21.25	21.15								
20	256QAM	1	49	19.35	19.34	19.14								
20	256QAM	1	99	19.25	19.08	19.08								
20	256QAM	50	0	19.15	19.25	19.25	20.5	5						
20	256QAM	50	24	19.36	19.26	19.31								
20	256QAM	50	50	19.29	19.38	19.08								
20	256QAM	100	0	19.37	19.14	19.07								
Channel														
Frequency (MHz)														
15	QPSK	1	0	24.15	24.00	24.01	25.5	0						
15	QPSK	1	37	24.05	24.07	24.06								
15	QPSK	1	74	24.13	24.06	24.03								
15	QPSK	36	0	23.12	23.19	23.12								
15	QPSK	36	26	23.22	23.11	23.09	24.5	1						
15	QPSK	36	39	23.04	23.18	23.00								
15	QPSK	72	0	23.04	23.23	23.23								
15	16QAM	1	0	23.19	23.32	23.05								
15	16QAM	1	37	23.30	23.18	23.16	24.5	1						
15	16QAM	1	74	23.31	23.21	23.21								
15	16QAM	36	0	22.08	22.20	22.09								
15	16QAM	36	20	22.24	22.28	21.93								
15	16QAM	36	36	22.07	22.16	22.12	23.5	2						
15	16QAM	75	0	22.28	22.20	22.03								
15	16QAM	1	0	22.28	22.20	22.15								
15	16QAM	1	37	22.38	22.32	22.15								
15	16QAM	1	74	22.04	22.05	22.05	22.5	3						
15	16QAM	36	0	21.13	21.13	21.10								
15	16QAM	36	20	21.11	21.10	21.07								
15	16QAM	36	39	21.10	21.12	21.07								
15	256QAM	1	0	19.06	19.34	19.05	20.5	5						
15	256QAM	1	37	19.04	19.27	19.23								
15	256QAM	1	74	19.30	19.07	19.09								
15	256QAM	36	0	19.20	19.20	19.12								
15	256QAM	36	20	19.31	19.34	19.25	20.5	5						
15	256QAM	36	39	19.39	19.32	19.04								
15	256QAM	75	0	19.34	19.15	19.13								
Channel														
Frequency (MHz)														
10	QPSK	1	0	24.30	24.10	24.10	25.5	0						
10	QPSK	1	26	24.04	24.05	24.15								
10	QPSK	1	49	24.18	24.10	23.93								
10	QPSK	36	0	23.13	23.19	23.14								
10	QPSK	35	12	23.36	23.10	23.17	24.5	1						
10	QPSK	25	25	23.12	23.21	23.06								
10	QPSK	30	0	23.12	23.21	23.05								
10	16QAM	1	0	23.26	23.25	23.18								
10	16QAM	1	25	23.31	23.17	23.15	24.5	1						
10	16QAM	1	49	23.02	23.23	23.23								
10	16QAM	36	0	22.12	22.18	22.05								
10	16QAM	25	12	22.32	22.17	22.13								
10	16QAM	25	25	22.03	22.25	22.23	23.5	2						
10	16QAM	50	0	22.13	22.21	21.99								
10	16QAM	1	0	22.28	22.34	22.03								
10	16QAM	1	25	22.36	22.20	22.27								
10	16QAM	1	49	22.09	22.28	22.07	22.5	3						
10	16QAM	25	0	21.28	21.13	21.03								
10	16QAM	12	12	21.15	21.21	21.15								
10	16QAM	25	25	21.23	21.00	21.25								
10	256QAM	1	0	21.18	21.02	21.11	20.5	5						
10	256QAM	1	25	19.15	19.36	19.07								
10	256QAM	1	25	19.07	19.32	19.19								
10	256QAM	1	49	19.29	19.08	19.13								
10	256QAM	25	0	19.16	19.21	19.07	20.5	5						
10	256QAM	25	12	19.27	19.15	19.20								
10	256QAM	25	25	19.37	19.32	19.11								
10	256QAM	50	0	19.26	19.15	19.07								
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.25	24.10	24.10	25.5	0						
5	QPSK	1	12	24.10	24.08	24.21								
5	QPSK	1	24	24.10	24.10	23.98								
5	QPSK	12	0	23.10	23.08	22.98								
5	QPSK	12	7	23.14	23.10	23.14	24.5	1						
5	QPSK	12	13	23.29	23.11	23.14								
5	QPSK	25	0	23.09	23.23	23.01								
5	16QAM	1	0	23.33	23.24	23.26								
5	16QAM	1	12	23.32	23.18	23.30	24.5	1						
5	16QAM	1	24	22.99	23.00	23.13								
5	16QAM	12	0	22.01	22.14	21.93								
5	16QAM	12	7	22.12	22.12	22.01								
5	16QAM	12	13	22.18	22.07	22.21	23.5	2						
5	16QAM	25	0	22.32	22.26	21.97								
5	16QAM	1	0	22.40	22.30	22.13								
5	16QAM	1	12	22.35	22.36	22.02								
5	16QAM	1	24	22.15	22.24	22.05	22.5	3						
5	16QAM	12	0	21.26	21.09	20.97								
5	16QAM	12	7	21.11	21.32	21.22								
5	16QAM	12	13	21.03	21.10	20.97								
5	256QAM	1	0	21.26	21.08	21.11	20.5	5						
5	256QAM	1	0	19.15	19.31	19.08								
5	256QAM	1	12	19.06	19.27	19.16								
5	256QAM	1	24	19.30	19.36	19.21								
5	256QAM	12	0	19.22	19.25	19.11	20.5	5						
5	256QAM	12	7	19.30	19.38	19								

Band 38 Ant3 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.03	24.32	24.13	25.5	0	
20	QPSK	1	49	24.24	24.21	24.03			
20	QPSK	1	99	24.12	24.11	24.05			
20	QPSK	50	0	23.14	23.24	23.10	24.5	1	
20	QPSK	50	24	23.19	23.12	23.09			
20	QPSK	50	50	23.00	23.20	23.14			
20	QPSK	100	0	23.17	23.18	23.06	24.5	1	
20	16QAM	1	0	23.10	23.20	23.16			
20	16QAM	1	49	23.31	23.36	23.01			
20	16QAM	1	99	23.16	23.19	23.07	23.5	2	
20	16QAM	50	0	22.01	22.09	22.04			
20	16QAM	50	24	22.18	22.17	22.15			
20	16QAM	50	50	22.26	22.25	21.96	23.5	2	
20	16QAM	100	0	22.18	22.10	22.07			
20	64QAM	1	0	22.04	22.16	22.35			
20	64QAM	1	49	22.21	22.33	22.12	22.5	3	
20	64QAM	1	99	22.20	22.16	22.06			
20	64QAM	50	0	21.02	21.05	21.22			
20	64QAM	50	24	21.33	21.17	21.16	20.5	5	
20	64QAM	50	50	21.17	21.20	21.07			
20	64QAM	100	0	21.17	21.21	21.07			
20	256QAM	1	0	19.08	19.31	19.01	20.5	5	
20	256QAM	1	49	19.21	19.16	19.08			
20	256QAM	1	99	19.18	19.07	19.12			
20	256QAM	50	0	19.21	19.15	19.06	20.5	5	
20	256QAM	50	24	19.22	19.09	19.10			
20	256QAM	50	50	18.92	19.17	19.21			
20	256QAM	100	0	19.12	19.20	18.97			
Channel				37875	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.90	23.87	23.99	25.5	0	
15	QPSK	1	37	24.19	24.15	23.87			
15	QPSK	1	74	24.16	23.99	23.92			
15	QPSK	36	0	22.99	22.97	23.04	24.5	1	
15	QPSK	36	20	23.05	22.96	22.95			
15	QPSK	36	39	23.09	23.12	23.00			
15	QPSK	75	0	23.15	23.02	22.97	24.5	1	
15	16QAM	1	0	22.96	23.14	23.10			
15	16QAM	1	37	23.22	23.22	22.85			
15	16QAM	1	74	23.05	23.14	22.92	23.5	2	
15	16QAM	36	0	21.85	22.00	21.89			
15	16QAM	36	20	22.04	22.08	22.08			
15	16QAM	36	39	22.20	22.16	21.82	23.5	2	
15	16QAM	75	0	22.06	21.99	21.94			
15	64QAM	1	0	21.94	22.10	22.26			
15	64QAM	1	37	22.07	22.28	22.07	22.5	3	
15	64QAM	1	74	22.04	22.08	21.98			
15	64QAM	36	0	20.88	20.93	21.16			
15	64QAM	36	20	21.23	21.09	21.00	20.5	5	
15	64QAM	36	39	21.08	21.08	21.01			
15	64QAM	75	0	21.11	21.14	20.93			
15	256QAM	1	0	18.95	18.98	18.87	20.5	5	
15	256QAM	1	37	19.13	19.14	18.84			
15	256QAM	1	74	19.12	18.90	18.82			
15	256QAM	36	0	18.91	18.91	19.05	20.5	5	
15	256QAM	36	20	19.00	19.07	18.90			
15	256QAM	36	39	19.01	19.02	18.94			
15	256QAM	75	0	19.11	18.98	18.91			
Channel				37800	38000	38200			
Frequency (MHz)				2375	2395	2415			
10	QPSK	1	0	23.99	24.00	24.01	25.5	0	
10	QPSK	1	25	24.17	24.15	23.94			
10	QPSK	1	49	24.28	24.05	23.97			
10	QPSK	25	0	23.04	22.92	22.97	24.5	1	
10	QPSK	25	12	23.14	22.96	23.03			
10	QPSK	25	25	23.20	23.04	23.08			
10	QPSK	50	0	23.13	23.04	22.98	24.5	1	
10	16QAM	1	0	22.99	23.08	23.01			
10	16QAM	1	25	23.24	23.26	22.95			
10	16QAM	1	49	23.08	23.14	23.03	23.5	2	
10	16QAM	25	0	21.92	21.95	21.88			
10	16QAM	25	12	22.04	22.09	22.07			
10	16QAM	25	25	22.14	22.19	21.82	23.5	2	
10	16QAM	50	0	22.06	21.98	21.91			
10	64QAM	1	0	21.93	22.08	22.23			
10	64QAM	1	25	22.08	22.19	22.05	22.5	3	
10	64QAM	1	49	22.15	22.01	21.99			
10	64QAM	25	0	20.89	20.94	21.08			
10	64QAM	25	12	21.19	21.08	21.11	20.5	5	
10	64QAM	25	25	21.12	21.16	20.97			
10	64QAM	50	0	21.05	21.07	20.98			
10	256QAM	1	0	19.00	19.02	18.96	20.5	5	
10	256QAM	1	25	19.18	19.20	18.94			
10	256QAM	1	49	19.32	18.96	19.00			
10	256QAM	25	0	19.09	18.98	18.93	20.5	5	
10	256QAM	25	12	19.11	19.06	19.02			
10	256QAM	25	25	19.09	18.94	19.17			
10	256QAM	50	0	19.25	18.93	18.89			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.95	23.88	23.98	25.5	0	
5	QPSK	1	12	24.09	24.14	23.96			
5	QPSK	1	24	24.22	23.95	23.97			
5	QPSK	12	0	23.08	22.99	22.99	24.5	1	
5	QPSK	12	7	23.05	23.05	23.02			
5	QPSK	12	13	23.17	23.07	23.03			
5	QPSK	25	0	23.11	23.13	22.93	24.5	1	
5	16QAM	1	0	23.00	23.15	23.03			
5	16QAM	1	12	23.19	23.27	22.97			
5	16QAM	1	24	23.03	23.07	23.01	23.5	2	
5	16QAM	12	0	21.97	22.01	21.96			
5	16QAM	12	7	22.03	22.03	22.02			
5	16QAM	12	13	22.15	22.11	21.86	23.5	2	
5	16QAM	25	0	22.08	21.98	22.02			
5	64QAM	1	0	21.92	22.10	22.22			
5	64QAM	1	12	22.06	22.24	22.03	22.5	3	
5	64QAM	1	24	22.11	22.01	21.98			
5	64QAM	12	0	20.96	20.98	21.18			
5	64QAM	12	7	21.27	21.07	21.01	20.5	5	
5	64QAM	12	13	21.04	21.08	20.92			
5	64QAM	25	0	21.12	21.13	20.95			
5	256QAM	1	0	18.96	18.82	18.90	20.5	5	
5	256QAM	1	12	19.18	19.05	18.85			
5	256QAM	1	24	19.21	19.04	18.96			
5	256QAM	12	0	18.98	18.96	19.00	20.5	5	
5	256QAM	12	7	19.01	19.06	19.11			
5	256QAM	12	13	19.10	19.03	19.15			
5	256QAM	25	0	19.07	19.05	19.03			

Band 41 Ant3 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.35	24.17	24.37	24.16	24.15	25.5	0
20	QPSK	1	49	24.29	24.11	24.18	24.05	24.05		
20	QPSK	1	99	24.21	24.23	24.19	24.18	24.05		
20	QPSK	50	0	23.27	23.14	23.39	23.09	23.21		
20	QPSK	50	24	23.32	23.21	23.29	23.08	23.34	24.5	1
20	QPSK	50	50	23.32	23.19	23.31	23.08	23.09		
20	QPSK	100	0	23.30	23.21	23.32	23.02	23.12		
20	16QAM	1	0	23.09	23.17	23.08	23.24	23.26		
20	16QAM	1	49	23.28	23.01	23.04	23.16	23.14	24.5	1
20	16QAM	1	99	23.33	23.19	23.24	23.09	23.08		
20	16QAM	50	0	22.18	22.09	22.33	22.14	22.34		
20	16QAM	50	24	22.33	22.24	22.39	22.15	22.17		
20	16QAM	50	50	22.28	22.22	22.26	22.04	22.13	23.5	2
20	16QAM	100	0	22.26	22.30	22.38	22.07	22.00		
20	64QAM	1	0	22.37	22.10	22.17	22.11	22.21		
20	64QAM	1	49	22.30	22.24	22.37	22.29	22.34		
20	64QAM	1	99	22.07	22.01	22.29	22.01	22.06	23.5	2
20	64QAM	50	0	21.32	21.15	21.29	21.19	21.06		
20	64QAM	50	24	21.25	21.24	21.34	21.06	21.01		
20	64QAM	50	50	21.23	21.24	21.32	21.05	21.13		
20	64QAM	100	0	21.24	21.16	21.32	21.15	21.10	22.5	3
20	256QAM	1	0	19.26	19.10	19.29	19.14	19.25		
20	256QAM	1	49	19.31	19.23	19.18	18.99	18.94		
20	256QAM	1	99	19.29	19.33	19.15	19.13	19.14		
20	256QAM	50	0	19.36	19.04	19.31	19.03	19.32	20.5	5
20	256QAM	50	24	19.30	19.10	19.23	19.04	19.31		
20	256QAM	50	50	19.36	19.11	19.38	19.09	19.13		
20	256QAM	100	0	19.20	19.24	19.25	19.03	19.23		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.30	24.12	24.23	24.04	24.03	25.50	0
15	QPSK	1	37	24.15	24.06	24.13	24.16	24.00		
15	QPSK	1	74	24.07	24.14	24.07	24.09	24.09		
15	QPSK	36	0	23.11	23.07	23.23	23.04	23.11		
15	QPSK	36	20	23.28	23.16	23.21	22.97	23.24	24.5	1
15	QPSK	36	39	23.24	23.10	23.20	22.99	22.96		
15	QPSK	75	0	23.23	23.10	23.14	22.91	23.04		
15	16QAM	1	0	23.03	23.07	22.92	23.17	23.13		
15	16QAM	1	37	23.15	22.95	22.97	23.01	23.07	24.5	1
15	16QAM	1	74	23.21	23.03	23.15	23.02	22.98		
15	16QAM	36	0	22.06	22.05	22.24	21.99	22.28		
15	16QAM	36	20	22.19	22.19	22.26	22.02	22.07		
15	16QAM	36	39	22.22	22.09	22.19	21.90	22.07	23.5	2
15	16QAM	75	0	22.12	22.16	22.30	22.28	22.21		
15	64QAM	1	0	22.23	22.05	22.02	21.99	22.06		
15	64QAM	1	37	22.17	22.14	22.21	22.13	21.95		
15	64QAM	1	74	21.92	21.94	22.15	21.92	21.93	23.5	2
15	64QAM	36	0	21.21	21.05	21.24	21.08	20.97		
15	64QAM	36	20	21.12	21.11	21.26	20.95	20.93		
15	64QAM	36	39	21.08	21.16	21.24	20.97	20.98		
15	64QAM	75	0	21.10	21.08	21.24	21.09	21.00	22.5	3
15	256QAM	1	0	19.22	19.09	19.19	19.01	19.06		
15	256QAM	1	37	19.24	19.03	19.21	19.03	18.96		
15	256QAM	1	74	19.05	19.02	19.01	18.98	19.00		
15	256QAM	36	0	19.11	19.01	19.17	19.00	19.04	20.5	5
15	256QAM	36	20	19.28	19.12	19.32	19.08	19.28		
15	256QAM	36	39	19.24	19.16	19.26	19.07	19.02		
15	256QAM	75	0	19.12	19.18	19.14	18.89	18.93		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.23	24.12	24.32	24.12	24.07	25.50	0
10	QPSK	1	25	24.17	24.00	24.12	23.95	23.99		
10	QPSK	1	49	24.13	24.13	24.11	24.07	23.99		
10	QPSK	25	0	23.17	23.06	23.27	22.99	23.09		
10	QPSK	25	12	23.24	23.06	23.14	22.97	23.34	24.5	1
10	QPSK	25	25	23.16	23.14	23.25	22.99	23.04		
10	QPSK	50	0	23.21	23.14	23.20	22.96	23.03		
10	16QAM	1	0	22.95	23.06	22.96	23.11	23.19		
10	16QAM	1	25	23.20	22.88	22.89	23.05	23.08	24.5	1
10	16QAM	1	49	23.26	23.13	23.13	23.04	23.00		
10	16QAM	25	0	22.14	21.95	22.19	22.01	22.25		
10	16QAM	25	12	22.18	22.17	22.24	22.09	22.33		
10	16QAM	25	25	22.24	22.12	22.17	21.90	22.02	23.5	2
10	16QAM	50	0	22.15	22.17	22.34	22.01	22.17		
10	64QAM	1	0	22.21	21.95	22.07	21.97	22.08		
10	64QAM	1	25	22.19	22.16	22.29	22.22	21.92		
10	64QAM	1	49	22.02	21.95	22.24	21.92	21.99	23.5	2
10	64QAM	25	0	21.17	21.00	21.13	21.10	20.93		
10	64QAM	25	12	21.21	21.18	21.19	20.95	20.89		
10	64QAM	25	25	21.26	21.19	21.26	20.97	20.98		
10	64QAM	50	0	21.19	21.05	21.21	21.02	20.98	22.5	3
10	256QAM	1	0	19.16	19.05	19.24	19.22	19.01		
10	256QAM	1	25	19.14	18.98	19.14	18.96	19.08		
10	256QAM	1	49	19.10	19.11	19.20	19.03	18.90		
10	256QAM	25	0	19.23	19.01	19.18	19.05	19.04	20.5	5
10	256QAM	25	12	19.26	19.15	19.05	19.07	19.22		
10	256QAM	25	25	19.14	19.12	19.26	18.99	19.11		
10	256QAM	50	0	19.10	19.12	19.19	18.94	19.07		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.22	24.08	24.33	24.02	24.04	25.50	0
5	QPSK	1	12	24.15	24.05	24.11	24.31	24.28		
5	QPSK	1	24	24.07	24.15	24.10	24.13	24.14		
5	QPSK	12	0	23.13	23.00	23.22	23.01	23.06		
5	QPSK	12	7	23.28	23.07	23.24	23.25	23.23	24.5	1
5	QPSK	12	13	23.16	23.04	23.16	23.01	22.97		
5	QPSK	25	0	23.22	23.17	23.23	22.92	22.98		
5	16QAM	1	0	23.01	23.03	23.00	23.09	23.22		
5	16QAM	1	12	23.16	22.95	22.93	23.00	22.99	24.5	1
5	16QAM	1	24	23.18	23.08	23.10	22.95	22.96		
5	16QAM	12	0	22.06	21.93	22.19	22.04	22.19		
5	16QAM	12	7	22.20	22.19	22.25	22.04	22.05		
5	16QAM	12	13	22.22	22.08	22.19	21.91	22.06	23.5	2
5	16QAM	25	0	22.21	22.16	22.31	21.92	21.94		
5	64QAM	1	0	22.27	22.03	22.11	22.00	22.10		
5	64QAM	1	12	22.21	22.13	22.26	22.23	21.92		
5	64QAM	1	24	21.93	21.96	22.24	21.97	21.93	23.5	2
5	64QAM	12	0	21.23	21.09	21.19	21.14	20.96		
5	64QAM	12	7	21.10	21.18	21.18	20.98	20.96		
5	64QAM	12	13	21.09	21.12	21.19	20.91	21.01		
5	256QAM	1	0	21.12	21.08	21.18	21.00	21.01	22.5	3
5	256QAM	1	12	19.09	18.99	19.29	18.98	19.03		
5	256QAM	1	12	19.09	18.94	19.07	19.27	19.22		
5	256QAM	1	24	19.05	19.23	19.02	19.11	19.22		
5	256QAM	12	0	19.20	18.95	19.14	18.92	19.16	20.5	5
5	256QAM	12	7	19.16	19.07	19.24	19.31	19.19		
5	256QAM	12	13	19.11	19.07	19.22	19.02	18.97		
5	256QAM	25	0	19.16	19.07	19.17	18.87	19.00		

GSM1900 An14 DS14								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.72	29.53	29.50	30.50	20.72	20.53	20.50	21.50
GPRS 1 Tx slot	29.48	29.77	29.86	30.50	20.48	20.77	20.86	21.50
GPRS 2 Tx slots	26.19	26.07	25.97	27.50	20.19	20.07	19.97	21.50
GPRS 3 Tx slots	24.55	24.77	24.63	25.50	20.29	20.51	20.37	21.24
GPRS 4 Tx slots	23.21	23.38	23.24	24.50	20.21	20.38	20.24	21.50
EDGE 1 Tx slot	25.18	25.59	25.25	26.50	16.18	16.59	16.25	17.50
EDGE 2 Tx slots	21.97	22.08	22.22	23.00	15.97	16.08	16.22	17.00
EDGE 3 Tx slots	20.22	20.64	20.39	21.50	15.96	16.38	16.13	17.24
EDGE 4 Tx slots	18.71	18.97	18.92	20.50	15.71	15.97	15.92	17.50

WCDMA II An14 DS14				WCDMA IV An14 DS14				
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel	9282	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6		
3GPP Rel 99 AMR 12.2Kbps	23.87	23.92	23.64	25.00	23.85	23.97	23.95	25.00
3GPP Rel 99 RMC 12.2Kbps	23.95	24.03	23.78	25.00	23.92	24.06	24.01	25.00
3GPP Rel 6 HSDPA Subtest-1	23.31	22.90	23.31	24.00	22.96	22.72	22.93	24.00
3GPP Rel 6 HSDPA Subtest-2	23.34	22.87	23.34	24.00	22.65	22.94	22.63	24.00
3GPP Rel 6 HSDPA Subtest-3	22.81	22.42	22.81	23.50	22.43	22.37	22.21	23.50
3GPP Rel 6 HSDPA Subtest-4	22.78	22.38	22.78	23.50	22.21	22.46	22.08	23.50
3GPP Rel 8 DC-HSDPA Subtest-1	23.17	22.90	23.20	24.00	22.97	22.78	22.91	24.00
3GPP Rel 8 DC-HSDPA Subtest-2	23.17	22.76	23.18	24.00	22.80	22.90	22.62	24.00
3GPP Rel 8 DC-HSDPA Subtest-3	22.74	22.27	22.66	23.50	22.37	22.29	22.15	23.50
3GPP Rel 8 DC-HSDPA Subtest-4	22.60	22.28	22.73	23.50	22.33	22.47	22.25	23.50
3GPP Rel 6 HSUPA Subtest-1	23.33	22.91	22.85	24.00	22.66	22.71	22.93	24.00
3GPP Rel 6 HSUPA Subtest-2	21.30	20.90	20.88	22.00	20.71	20.66	20.58	22.00
3GPP Rel 6 HSUPA Subtest-3	22.30	21.90	21.83	23.00	21.70	22.04	21.78	23.00
3GPP Rel 6 HSUPA Subtest-4	21.31	20.91	20.84	22.00	20.64	20.57	20.59	22.00
3GPP Rel 6 HSUPA Subtest-5	23.30	22.90	22.84	24.00	22.60	22.85	22.79	24.00

Band 2 Ant4 D5H4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mod Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	24.02	24.03	25.81			25.5	0		
20	QPSK	1	49	23.94	24.00	25.88						
20	QPSK	1	99	23.94	23.95	23.94			24.5	1		
20	QPSK	50	0	22.98	23.24	23.11						
20	QPSK	50	24	22.99	23.09	23.08			24.5	1		
20	QPSK	50	50	23.03	23.11	23.18						
20	QPSK	100	0	23.02	23.05	23.03			24.5	1		
20	QPSK	100	0	22.99	23.13	23.08						
20	16QAM	1	49	23.17	23.20	23.08			23.5	2		
20	16QAM	1	99	23.23	23.16	23.02						
20	16QAM	50	0	21.89	21.99	22.95			22.5	3		
20	16QAM	50	24	22.10	22.98	22.09						
20	16QAM	50	50	22.21	22.13	22.09			20.5	5		
20	16QAM	100	0	21.90	21.94	21.79						
20	16QAM	1	0	22.19	22.09	22.13			23.5	2		
20	16QAM	1	49	22.26	22.32	22.29						
20	16QAM	1	99	21.97	22.02	22.13			22.5	3		
20	16QAM	50	0	20.91	20.99	21.10						
20	16QAM	50	24	21.80	21.05	21.19			20.5	5		
20	16QAM	50	50	21.51	21.06	20.94						
20	16QAM	100	0	20.94	21.04	20.92			20.5	5		
20	256QAM	1	0	18.86	18.12	18.84						
20	256QAM	1	49	18.86	18.84	18.87			20.5	5		
20	256QAM	50	0	18.86	18.93	18.95						
20	256QAM	50	24	18.93	19.14	19.00			20.5	5		
20	256QAM	50	50	19.14	19.19	19.22						
20	256QAM	100	0	18.97	19.15	19.11			20.5	5		
Channel												
Frequency (MHz)												
15	QPSK	1	0	23.83	23.81	23.83			25.5	0		
15	QPSK	1	49	23.95	23.91	23.91						
15	QPSK	1	74	23.78	23.94	23.89			24.5	1		
15	QPSK	36	0	22.81	23.08	23.11						
15	QPSK	36	24	22.96	22.90	23.11			24.5	1		
15	QPSK	36	36	22.97	23.01	23.12						
15	16QAM	75	0	22.79	22.92	22.89			24.5	1		
15	16QAM	75	0	22.87	23.12	23.13						
15	16QAM	1	37	23.14	23.23	23.03			24.5	1		
15	16QAM	1	49	23.00	22.99	23.07						
15	16QAM	36	0	21.89	21.78	21.99			23.5	2		
15	16QAM	36	20	21.96	21.98	22.00						
15	16QAM	36	39	22.08	22.08	22.08			23.5	2		
15	16QAM	75	0	21.77	21.91	21.83						
15	16QAM	1	0	22.23	21.94	21.91			23.5	2		
15	16QAM	1	37	21.14	21.07	21.03						
15	16QAM	1	74	22.02	21.90	21.90			22.5	3		
15	16QAM	36	0	20.77	20.85	20.93						
15	16QAM	36	39	20.86	20.85	20.84			22.5	3		
15	16QAM	36	39	21.10	21.01	20.97						
15	16QAM	75	0	20.83	20.88	20.73			20.5	5		
15	256QAM	1	37	18.86	18.92	18.92						
15	256QAM	1	74	18.80	18.99	18.86			20.5	5		
15	256QAM	36	0	18.86	18.93	18.93						
15	256QAM	36	39	18.86	19.00	19.00			20.5	5		
15	256QAM	36	39	19.02	19.11	19.20						
15	256QAM	75	0	18.73	18.84	18.84			20.5	5		
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.40	24.40	24.43			25.5	0		
10	QPSK	1	49	23.93	23.85	23.85						
10	QPSK	1	49	23.93	23.94	23.97			24.5	1		
10	QPSK	25	12	22.98	22.95	23.01						
10	QPSK	25	25	22.89	23.01	23.20			24.5	1		
10	QPSK	50	0	22.82	22.96	22.96						
10	16QAM	1	25	22.89	22.93	23.03			24.5	1		
10	16QAM	1	25	22.84	23.00	23.05						
10	16QAM	25	0	21.83	21.91	21.89			23.5	2		
10	16QAM	25	12	21.94	21.97	21.89						
10	16QAM	25	12	22.03	22.08	22.08			23.5	2		
10	16QAM	50	0	21.81	21.86	21.70						
10	16QAM	1	0	22.22	22.08	22.03			23.5	2		
10	16QAM	1	49	21.89	21.90	22.03						
10	16QAM	25	0	20.85	20.78	21.01			22.5	3		
10	16QAM	25	12	20.86	21.05	21.03						
10	16QAM	25	25	21.06	20.97	20.99			20.5	5		
10	16QAM	50	0	20.92	20.82	20.95						
10	256QAM	1	25	18.80	18.84	18.86			20.5	5		
10	256QAM	1	25	18.86	18.90	18.92						
10	256QAM	25	12	18.86	18.94	18.93			20.5	5		
10	256QAM	25	25	18.82	18.96	18.99						
10	256QAM	50	0	18.72	18.99	18.91			20.5	5		
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.83	23.84	23.83			25.5	0		
5	QPSK	1	12	23.59	23.93	23.85						
5	QPSK	1	24	23.68	24.00	23.82			24.5	1		
5	QPSK	12	0	23.82	23.10	23.88						
5	QPSK	12	7	22.99	23.02	23.13			24.5	1		
5	QPSK	12	13	23.01	22.99	23.18						
5	QPSK	25	0	22.92	22.85	22.84			24.5	1		
5	16QAM	1	0	22.78	23.10	22.97						
5	16QAM	1	12	23.08	23.10	23.06			23.5	2		
5	16QAM	12	7	23.01	23.01	23.09						
5	16QAM	12	0	21.78	21.86	22.05			23.5	2		
5	16QAM	12	7	21.96	22.03	22.03						
5	16QAM	12	13	22.12	22.05	22.10			23.5	2		
5	16QAM	25	0	21.70	21.87	21.82						
5	16QAM	1	0	22.12	21.99	22.02			23.5	2		
5	16QAM	1	12	22.29	22.21	22.18						
5	16QAM	1	24	22.02	22.03	22.16			22.5	3		
5	16QAM	12	0	20.71	20.76	21.06						
5	16QAM	12	7	20.80	21.03	21.09			22.5	3		
5	16QAM	12	13	20.97	20.95	20.84						
5	16QAM	25	0	20.70	21.02	20.85			20.5	5		
5	256QAM	1	0	18.86	18.73	18.83						
5	256QAM	1	12	18.91	18.83	18.83			20.5	5		
5	256QAM	24	18.86	18.92	18.75							
5	256QAM	12	0	18.79	18.99	18.82			20.5	5		
5	256QAM	12	7	18.92	18.96	19.17						
5	256QAM	12	13	18.86	18.95	19.17			20.5	5		
5	256QAM	25	0	18.86	18.95	18.84						
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.84	23.81	23.89			25.5	0		
3	QPSK	1	8	23.76	23.80	23.70						
3	QPSK	1	14	23.64	23.90	23.94			24.5	1		
3	QPSK	8	0	22.85	22.85	22.90						
3	QPSK	8	4	22.79	22.86	22.92			24.5	1		
3	QPSK	8	7	22.96	23.02	23.15						
3	QPSK	16	0	22.77	22.85	23.03			24.5	1		
3	16QAM	1	0	23.02	22.89	22.87						
3	16QAM	1	8	23.22	23.22	23.05						
3	16QAM	1	14	23.19	23.18	23.08			24.5	1		
3	16QAM	8	0	21.81	21.85	21.97						
3	16QAM	8	4	22.02	22.08	22.15			24.5	1		
3	16QAM	8	7	22.13	22.08	22.10						
3	16QAM	16	0	21.79	21.89	22.02			23.5	2		
3	16QAM	16	0	22.05	21.93	22.18						
3	16QAM	1	8	22.22	22.14	22.28			23.5	2		
3	16QAM	8	4	22.36	22.28	22.36						
3	16QAM	8	7	22.52	22.46	22.52			22.5	3		
3	16QAM	16	0	20.97	21.08	20.78						
3	256QAM	1	0	18.82	18.69	18.77			20.5	5		
3	256QAM	1	8	18.71	18.78	18.89						
3	256QAM	1	14	18.72	18.89	18.89			20.5	5		
3	256QAM	8	0	18.86	18.97	18.94						
3	256QAM	8	4	18.97	19.08	19.08			20.5	5		
3	256QAM	8	7	18.87	18.92	18.94						
3	256QAM	16	0	18.73	18.92	18.96			20.5	5		
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.78	23.80	23.81			25.5	0		
1.4	QPSK	1	20.84	23.81	23.81							
1.4	QPSK	1	0	23.80	23.88	23.72			24.5	1		
1.4	QPSK	1	0	23.85	23.72	23.85						
1.4	QPSK	1	0	23.71	23.80	23.85			24.5	1		
1.4	QPSK	3	0	23.92	23.92	23.88						
1.4	QPSK	0	0	22.98	23.13	23.16			24.5	1		
1.4	QPSK	1	3	23.04	23.07	23.08						
1.4	16QAM	1	0	22.88	22.87	23.11			24.5	1		
1.4	16QAM	1	0	22.99	23.10	23.11						
1.4	16QAM	1	3	23.01	23.22	23.12			23.5	2		
1.4	16QAM	3	0	21.14	21.91	22.89						
1.4	16QAM	1	0	21.79	21.88	22.12			23.5	2		
1.4	16QAM	1	0	22.02	22.09	21.95						
1.4	16QAM	1	0	21.75	21.86	21.72			23.5	2		
1.4	16QAM	3	0	22.08	22.05	22.08						
1.4	16QAM	1	0	21.75	21.86	21.72			20.5	5		
1.4	16QAM	3	0	21.78	22.05	2						

Band 25 Ant4 DS04														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq. 26.45	Power Mid Ch / Freq. 26.60	Power High Ch / Freq. 26.75	Turn-up time (sec)	MPE (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	24.29	24.37	24.06	25.5	0						
20	QPSK	1	49	24.17	24.20	24.16								
20	QPSK	1	99	24.27	24.16	24.16								
20	QPSK	50	0	23.33	23.44	23.39	24.5	1						
20	QPSK	50	24	23.34	23.38	23.39								
20	QPSK	50	50	23.22	23.43	23.35								
20	QPSK	100	0	23.26	23.32	23.28	24.5	1						
20	16QAM	1	0	23.35	23.47	23.44								
20	16QAM	1	49	23.45	23.58	23.41								
20	16QAM	1	99	23.47	23.53	23.19	23.5	2						
20	16QAM	50	0	22.26	22.15	22.20								
20	16QAM	50	24	22.41	22.28	22.49								
20	16QAM	50	50	22.37	22.43	22.46	23.5	2						
20	16QAM	100	0	22.15	22.15	22.09								
20	8QAM	1	0	22.34	22.46	22.47								
20	8QAM	1	49	22.56	22.51	22.46	23.5	2						
20	8QAM	1	99	22.17	22.20	22.46								
20	8QAM	50	0	21.17	21.35	21.48								
20	8QAM	50	24	21.29	21.21	21.43	22.5	3						
20	8QAM	50	50	21.51	21.23	21.25								
20	8QAM	100	0	21.14	21.34	21.17								
20	256QAM	1	49	19.34	19.34	19.16	20.5	5						
20	256QAM	1	49	19.39	19.19	19.17								
20	256QAM	1	99	19.23	19.10	19.09								
20	256QAM	50	24	19.24	19.31	19.17	20.5	5						
20	256QAM	50	50	19.30	19.38	19.57								
20	256QAM	100	0	19.15	19.52	19.28								
Channel														
Frequency (MHz)														
15	QPSK	1	0	1827.5	1880	1907.4	25.5	0						
15	QPSK	1	37	24.11	24.14	24.06								
15	QPSK	1	37	24.18	24.22	24.09								
15	QPSK	1	74	24.02	24.27	24.23	24.5	1						
15	QPSK	36	0	23.10	23.32	23.41								
15	QPSK	36	36	23.27	23.26	23.39								
15	QPSK	36	36	23.29	23.29	23.43	24.5	1						
15	QPSK	75	0	23.01	23.19	23.16								
15	QPSK	75	0	23.10	23.40	23.39								
15	16QAM	1	37	23.35	23.47	23.35	24.5	1						
15	16QAM	1	74	23.23	23.34	23.36								
15	16QAM	36	0	22.21	22.06	22.29								
15	16QAM	36	20	22.21	22.20	22.33	23.5	2						
15	16QAM	36	36	22.34	22.36	22.41								
15	16QAM	75	0	21.98	22.16	21.88								
15	8QAM	1	0	22.57	22.11	22.12	23.5	2						
15	8QAM	1	37	22.17	22.38	22.42								
15	8QAM	1	74	22.35	22.05	22.10								
15	8QAM	36	0	21.03	21.18	21.10	22.5	3						
15	8QAM	36	36	21.18	21.08	21.22								
15	8QAM	36	36	21.28	21.25	21.21								
15	8QAM	75	0	21.11	21.20	20.85	20.5	5						
15	256QAM	1	0	18.34	18.06	18.25								
15	256QAM	1	37	19.20	19.37	19.08								
15	256QAM	1	74	19.15	19.21	19.17	20.5	5						
15	256QAM	36	0	19.26	19.33	19.37								
15	256QAM	36	20	19.04	19.28	19.20								
15	256QAM	36	39	19.24	19.29	19.50	20.5	5						
15	256QAM	75	0	18.18	18.10	18.24								
Channel														
Frequency (MHz)														
10	QPSK	1	0	24.17	24.47	24.37	25.5	0						
10	QPSK	1	25	24.25	24.06	24.06								
10	QPSK	1	49	24.01	24.15	24.09								
10	QPSK	25	0	22.96	23.42	23.42	24.5	1						
10	QPSK	25	12	23.24	23.18	23.33								
10	QPSK	25	25	23.24	23.18	23.27								
10	16QAM	1	0	23.11	23.33	23.47	24.5	1						
10	16QAM	1	25	23.40	23.54	23.36								
10	16QAM	1	49	23.31	23.18	23.24								
10	16QAM	25	0	22.10	22.13	22.29	23.5	2						
10	16QAM	25	12	22.30	22.18	22.52								
10	16QAM	25	25	22.43	22.33	22.38								
10	16QAM	50	0	22.00	22.20	21.80	23.5	2						
10	8QAM	1	0	22.53	22.14	22.17								
10	8QAM	1	25	22.33	22.34	22.40								
10	8QAM	1	49	22.22	22.18	22.21	22.5	3						
10	8QAM	25	0	21.08	21.05	21.13								
10	8QAM	25	12	21.12	21.20	21.25								
10	8QAM	25	25	21.37	21.34	21.21	22.5	3						
10	8QAM	50	0	21.13	21.09	21.04								
10	8QAM	50	1	18.34	18.02	18.21								
10	256QAM	1	25	19.19	19.33	19.13	20.5	5						
10	256QAM	1	49	19.09	19.15	19.13								
10	256QAM	25	0	19.11	19.21	19.25								
10	256QAM	25	12	19.19	19.29	19.28	20.5	5						
10	256QAM	25	25	19.35	19.29	19.44								
10	256QAM	50	0	19.05	19.18	19.25								
Channel														
Frequency (MHz)														
5	QPSK	1	0	24.05	24.54	24.33	25.5	0						
5	QPSK	1	12	24.11	24.18	24.08								
5	QPSK	1	24	24.09	24.34	24.22								
5	QPSK	12	0	22.87	23.38	23.44	24.5	1						
5	QPSK	12	7	23.30	23.17	23.28								
5	QPSK	12	13	23.26	23.34	23.40								
5	QPSK	25	0	22.34	23.17	23.09	24.5	1						
5	16QAM	1	0	23.19	23.47	23.30								
5	16QAM	1	12	23.30	23.57	23.31								
5	16QAM	1	24	23.15	23.34	23.32	23.5	2						
5	16QAM	12	0	22.22	21.83	22.19								
5	16QAM	12	7	22.27	22.20	22.28								
5	16QAM	12	13	22.41	22.29	22.37	22.5	3						
5	8QAM	1	0	22.03	22.07	21.84								
5	8QAM	1	0	22.56	22.16	22.22								
5	8QAM	1	12	22.30	22.24	22.34	20.5	5						
5	8QAM	1	24	22.28	22.18	22.18								
5	8QAM	12	0	21.10	21.09	21.21								
5	8QAM	12	7	21.17	21.08	21.22	20.5	5						
5	8QAM	12	13	21.26	21.35	21.28								
5	8QAM	25	0	21.10	21.04	21.00								
5	256QAM	1	0	19.08	19.08	19.07	20.5	5						
5	256QAM	1	12	19.16	19.34	19.12	20.5	5						
5	256QAM	1	12	19.21	19.44	19.19								
5	256QAM	1	24	19.10	19.18	19.18								
5	256QAM	12	0	19.13	19.23	19.26	20.5	5						
5	256QAM	12	7	19.06	19.34	19.27								
5	256QAM	12	13	19.22	19.30	19.34								
5	256QAM	25	0	18.99	19.18	19.21	20.5	5						
5	256QAM	25	12	19.15	19.25	19.28								
Channel														
Frequency (MHz)														
3	QPSK	1	0	23.98	24.40	24.30			25.5	0				
3	QPSK	1	8	24.17	24.26	24.15								
3	QPSK	1	8	24.20	24.30	24.08								
3	QPSK	8	0	23.33	23.41	23.33	24.5	1						
3	QPSK	8	4	23.23	23.14	23.33								
3	QPSK	8	8	23.17	23.17	23.33								
3	QPSK	16	0	23.00	23.11	23.11	24.5	1						
3	QPSK	16	8	23.18	23.09	23.37								
3	QPSK	16	8	23.15	23.47	23.15								
3	16QAM	1	14	23.20	23.34	23.30	24.5	1						
3	16QAM	8	0	22.26	22.18	22.26								
3	16QAM	8	8	22.23	22.23	22.34								
3	16QAM	8	8	22.13	22.23	22.34	23.5	2						
3	8QAM	1	0	22.33	22.20	22.22								
3	8QAM	1	8	22.12	22.17	22.22								
3	8QAM	1	8	22.47	22.12	22.25	23.5	2						
3	8QAM	8	0	22.35	22.23	22.27								
3	8QAM	8	8	21.11	21.19	21.25								
3	8QAM	8	4	21.25	21.07	21.23	22.5	3						
3	8QAM	8	8	21.28	21.18	21.21								
3	8QAM	16	0	21.02	21.02	20.95								
3	256QAM	1	8	19.03	19.03	19.13	20.5	5						
3	256QAM	1	8	19.01	19.01	19.13								
3	256QAM	1	16	19.14	19.26	19.06								
3	256QAM	8	0	19.22	19.20	19.40	20.5	5						
3	256QAM	8	8	19.27	19.19	19.19								
3	256QAM	8	8	19.18	19.40	19.30								
3	256QAM	15	0	18.94	19.07	19.13	20.5	5						
3	256QAM	15	8	19.08	19.18	19.18								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	24.06	24.02	24.08			24.5	0				
1.4	QPSK	1	8	24.07	24.02	24.15								
1.4	QPSK	1	8	23.93	24.01	24.08								
1.4	QPSK	8	0	23.78	24.06	24.14	25.5	0						
1.4	QPSK	8	8	23.80	24.02	24.10								
1.4	QPSK	8	8	23.62	24.02	24.16								
1.4	QPSK	3	0	23.94	24.07	24.25	24.5	1						
1.4	QPSK	3	8	23.97	24.12	23.94								
1.4	QPSK	3	8	23.81	23.97	24.05								
1.4	16QAM	1	8	23.77	23.21	23.27	24.5	1						
1.4	16QAM	1	8	23.78	23.84	23.21								
1.4	16QAM	3	0	22.91	22.92	23.05								
1.4	16QAM	3	8	23.06	22.94	23.13	23.5	2						
1.4	16QAM	3	8	22.93	23.18	23.18								
1.4	16QAM	3	8	22.39	23.13	23.25								
1.4	8QAM	1	0	22.43										



Band 38 Ant4 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.60	24.81	24.73	25.5	0	
20	QPSK	1	49	24.73	24.73	24.74			
20	QPSK	1	99	24.63	24.77	24.70			
20	QPSK	50	0	23.62	23.81	23.73	24.5	1	
20	QPSK	50	24	23.75	23.76	23.75			
20	QPSK	50	50	23.74	23.72	23.71			
20	QPSK	100	0	23.66	23.73	23.72	24.5	1	
20	16QAM	1	0	23.76	23.75	23.72			
20	16QAM	1	49	23.84	23.85	23.82			
20	16QAM	1	99	23.72	23.77	23.68	23.5	2	
20	16QAM	50	0	22.65	22.74	22.74			
20	16QAM	50	24	22.80	22.79	22.78			
20	16QAM	50	50	22.78	22.82	22.73	23.5	2	
20	16QAM	100	0	22.73	22.74	22.72			
20	64QAM	1	0	22.63	22.73	22.64			
20	64QAM	1	49	22.60	22.88	22.88	22.5	3	
20	64QAM	1	99	22.74	22.80	22.60			
20	64QAM	50	0	21.64	21.72	21.72			
20	64QAM	50	24	21.79	21.78	21.76	20.5	5	
20	64QAM	50	50	21.77	21.82	21.71			
20	64QAM	100	0	21.74	21.72	21.71			
20	256QAM	1	0	19.69	19.82	19.72	20.5	5	
20	256QAM	1	49	19.75	19.68	19.67			
20	256QAM	1	99	19.56	19.76	19.65			
20	256QAM	50	0	19.50	19.81	19.80	20.5	5	
20	256QAM	50	24	19.67	19.73	19.68			
20	256QAM	50	50	19.70	19.65	19.63			
20	256QAM	100	0	19.59	19.66	19.61			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	24.50	24.66	24.69	25.5	0	
15	QPSK	1	37	24.65	24.65	24.58			
15	QPSK	1	74	24.50	24.70	24.80			
15	QPSK	36	0	23.55	23.66	23.63	24.5	1	
15	QPSK	36	20	23.70	23.66	23.69			
15	QPSK	36	39	23.62	23.75	23.62			
15	QPSK	75	0	23.60	23.67	23.65	24.5	1	
15	16QAM	1	0	23.59	23.65	23.55			
15	16QAM	1	37	23.66	23.81	23.72			
15	16QAM	1	74	23.55	23.66	23.57	23.5	2	
15	16QAM	36	0	22.59	22.58	22.64			
15	16QAM	36	20	22.67	22.69	22.65			
15	16QAM	36	39	22.68	22.67	22.67	23.5	2	
15	16QAM	75	0	22.65	22.67	22.59			
15	64QAM	1	0	22.48	22.59	22.60			
15	64QAM	1	37	22.85	22.76	22.78	22.5	3	
15	64QAM	1	74	22.61	22.70	22.47			
15	64QAM	36	0	21.53	21.64	21.56			
15	64QAM	36	20	21.74	21.67	21.62	20.5	5	
15	64QAM	36	39	21.72	21.66	21.58			
15	64QAM	75	0	21.62	21.59	21.59			
15	256QAM	1	0	19.52	19.68	19.79	20.5	5	
15	256QAM	1	37	19.67	19.77	19.66			
15	256QAM	1	74	19.44	19.66	19.53			
15	256QAM	36	0	19.66	19.71	19.66	20.5	5	
15	256QAM	36	20	19.77	19.74	19.66			
15	256QAM	36	39	19.56	19.66	19.73			
15	256QAM	75	0	19.68	19.67	19.56			
Channel				37800	38000	38200			
Frequency (MHz)				2572.5	2595	2615			
10	QPSK	1	0	24.55	24.56	24.69	25.5	0	
10	QPSK	1	25	24.64	24.70	24.61			
10	QPSK	1	49	24.53	24.63	24.64			
10	QPSK	25	0	23.52	23.60	23.56	24.5	1	
10	QPSK	25	12	23.60	23.72	23.60			
10	QPSK	25	25	23.58	23.65	23.61			
10	QPSK	50	0	23.57	23.58	23.61	24.5	1	
10	16QAM	1	0	23.72	23.63	23.55			
10	16QAM	1	25	23.75	23.80	23.71			
10	16QAM	1	49	23.66	23.69	23.57	23.5	2	
10	16QAM	25	0	22.52	22.61	22.62			
10	16QAM	25	12	22.68	22.61	22.73			
10	16QAM	25	25	22.68	22.68	22.57	23.5	2	
10	16QAM	50	0	22.57	22.58	22.61			
10	64QAM	1	0	22.58	22.57	22.55			
10	64QAM	1	25	22.83	22.80	22.82	22.5	3	
10	64QAM	1	49	22.56	22.68	22.47			
10	64QAM	25	0	21.59	21.59	21.59			
10	64QAM	25	12	21.63	21.70	21.67	20.5	5	
10	64QAM	25	25	21.61	21.64	21.63			
10	64QAM	50	0	21.70	21.57	21.59			
10	256QAM	1	0	19.58	19.50	19.62	20.5	5	
10	256QAM	1	25	19.69	19.77	19.72			
10	256QAM	1	49	19.49	19.69	19.55			
10	256QAM	25	0	19.45	19.70	19.47	20.5	5	
10	256QAM	25	12	19.62	19.71	19.59			
10	256QAM	25	25	19.47	19.64	19.66			
10	256QAM	50	0	19.49	19.70	19.61			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	24.48	24.67	24.59	25.5	0	
5	QPSK	1	12	24.58	24.65	24.57			
5	QPSK	1	24	24.46	24.71	24.61			
5	QPSK	12	0	23.56	23.65	23.56	24.5	1	
5	QPSK	12	7	23.58	23.69	23.63			
5	QPSK	12	13	23.66	23.63	23.66			
5	QPSK	25	0	23.60	23.59	23.55	24.5	1	
5	16QAM	1	0	23.71	23.65	23.58			
5	16QAM	1	12	23.71	23.70	23.70			
5	16QAM	1	24	23.54	23.63	23.53	23.5	2	
5	16QAM	12	0	22.54	22.58	22.66			
5	16QAM	12	7	22.71	22.68	22.70			
5	16QAM	12	13	22.67	22.72	22.58	22.5	3	
5	16QAM	25	0	22.67	22.68	22.55			
5	64QAM	1	0	22.47	22.58	22.50			
5	64QAM	1	12	22.72	22.80	22.77	20.5	5	
5	64QAM	1	24	22.68	22.74	22.49			
5	64QAM	12	0	21.56	21.61	21.57			
5	64QAM	12	7	21.64	21.67	21.70	20.5	5	
5	64QAM	12	13	21.68	21.72	21.66			
5	64QAM	25	0	21.62	21.60	21.59			
5	256QAM	1	0	19.51	19.66	19.70	20.5	5	
5	256QAM	1	12	19.63	19.65	19.47			
5	256QAM	1	24	19.42	19.66	19.62			
5	256QAM	12	0	19.61	19.62	19.67	20.5	5	
5	256QAM	12	7	19.70	19.64	19.69			
5	256QAM	12	13	19.76	19.70	19.62			
5	256QAM	25	0	19.54	19.67	19.59			

Band 41 Ant4 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.77	24.69	24.84	24.47	24.47	25.5	0
20	QPSK	1	49	24.73	24.66	24.82	24.57	24.53		
20	QPSK	1	99	24.69	24.69	24.80	24.58	24.52		
20	QPSK	50	0	23.82	23.67	23.92	23.68	23.59	24.5	1
20	QPSK	50	24	23.79	23.75	23.83	23.69	23.55		
20	QPSK	50	50	23.81	23.73	23.88	23.65	23.53		
20	QPSK	100	0	23.80	23.74	23.90	23.65	23.56	24.5	1
20	16QAM	1	0	23.65	23.60	23.83	23.61	23.57		
20	16QAM	1	49	23.87	23.74	23.87	23.68	23.53		
20	16QAM	1	99	23.63	23.72	23.79	23.58	23.49	23.5	2
20	16QAM	50	0	22.81	22.70	22.83	22.72	22.57		
20	16QAM	50	24	22.84	22.75	22.95	22.69	22.56		
20	16QAM	50	50	22.80	22.73	22.89	22.65	22.59	23.5	2
20	16QAM	100	0	22.82	22.75	22.88	22.68	22.58		
20	64QAM	1	0	22.74	22.57	22.75	22.63	22.54		
20	64QAM	1	49	22.60	22.73	22.89	22.68	22.53	23.5	2
20	64QAM	1	99	22.74	22.59	22.77	22.60	22.55		
20	64QAM	50	0	21.81	21.69	21.82	21.71	21.62		
20	64QAM	50	24	21.83	21.76	21.91	21.68	21.59	22.5	3
20	64QAM	50	50	21.79	21.72	21.89	21.65	21.61		
20	64QAM	100	0	21.81	21.74	21.89	21.69	21.58		
20	256QAM	1	0	19.77	19.66	19.79	19.56	19.52	20.5	5
20	256QAM	1	49	19.73	19.61	19.86	19.52	19.48		
20	256QAM	1	99	19.73	19.72	19.83	19.63	19.60		
20	256QAM	50	0	19.71	19.69	19.89	19.63	19.59	20.5	5
20	256QAM	50	24	19.76	19.68	19.90	19.68	19.65		
20	256QAM	50	50	19.91	19.72	19.77	19.57	19.54		
20	256QAM	100	0	19.78	19.63	19.91	19.54	19.62		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2503.5	2543.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.68	24.53	24.73	24.58	24.58	25.5	0
15	QPSK	1	37	24.65	24.55	24.78	24.45	24.48		
15	QPSK	1	74	24.63	24.52	24.75	24.47	24.45		
15	QPSK	36	0	23.76	23.62	23.72	23.57	23.49	24.5	1
15	QPSK	36	20	23.71	23.63	23.75	23.57	23.46		
15	QPSK	36	39	23.69	23.61	23.79	23.55	23.47		
15	QPSK	75	0	23.67	23.67	23.75	23.58	23.40	24.5	1
15	16QAM	1	0	23.54	23.52	23.71	23.53	23.42		
15	16QAM	1	37	23.72	23.60	23.76	23.64	23.48		
15	16QAM	1	74	23.46	23.65	23.67	23.50	23.45	23.5	2
15	16QAM	36	0	22.77	22.60	22.66	22.58	22.44		
15	16QAM	36	20	22.73	22.71	22.78	22.55	22.48		
15	16QAM	36	39	22.67	22.64	22.71	22.48	22.47	23.5	2
15	16QAM	75	0	22.66	22.66	22.77	22.59	22.51		
15	64QAM	1	0	22.58	22.44	22.62	22.49	22.46		
15	64QAM	1	37	22.47	22.62	22.73	22.55	22.38	23.5	2
15	64QAM	1	74	22.57	22.42	22.65	22.46	22.43		
15	64QAM	36	0	21.76	21.52	21.67	21.61	21.49		
15	64QAM	36	20	21.69	21.64	21.76	21.58	21.44	22.5	3
15	64QAM	36	39	21.73	21.56	21.79	21.50	21.45		
15	64QAM	75	0	21.77	21.56	21.81	21.52	21.40		
15	256QAM	1	0	19.72	19.50	19.69	19.58	19.46	20.5	5
15	256QAM	1	37	19.71	19.52	19.67	19.47	19.49		
15	256QAM	1	74	19.63	19.52	19.73	19.51	19.44		
15	256QAM	36	0	19.80	19.66	19.75	19.57	19.48	20.5	5
15	256QAM	36	20	19.74	19.65	19.73	19.58	19.49		
15	256QAM	36	39	19.71	19.65	19.74	19.54	19.43		
15	256QAM	75	0	19.69	19.73	19.75	19.62	19.36		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.68	24.55	24.67	24.44	24.43	25.5	0
10	QPSK	1	25	24.67	24.53	24.71	24.50	24.48		
10	QPSK	1	49	24.63	24.56	24.81	24.45	24.48		
10	QPSK	25	0	23.77	23.60	23.66	23.51	23.51	24.5	1
10	QPSK	25	12	23.74	23.68	23.82	23.54	23.49		
10	QPSK	25	25	23.76	23.63	23.75	23.50	23.47		
10	16QAM	1	0	23.71	23.59	23.81	23.56	23.49	24.5	1
10	16QAM	1	0	23.58	23.56	23.77	23.54	23.53		
10	16QAM	1	25	23.82	23.65	23.74	23.59	23.46		
10	16QAM	1	49	23.47	23.65	23.69	23.52	23.48	23.5	2
10	16QAM	25	10	22.74	22.61	22.77	22.58	22.50		
10	16QAM	25	12	22.70	22.64	22.77	22.55	22.51		
10	16QAM	25	25	22.75	22.69	22.72	22.54	22.44	23.5	2
10	16QAM	50	0	22.77	22.66	22.77	22.52	22.42		
10	64QAM	1	0	22.64	22.40	22.64	22.54	22.47		
10	64QAM	1	25	22.43	22.65	22.69	22.54	22.48	23.5	2
10	64QAM	1	49	22.64	22.54	22.68	22.52	22.38		
10	64QAM	25	0	21.75	21.54	21.77	21.56	21.46		
10	64QAM	25	12	21.77	21.71	21.77	21.62	21.45	22.5	3
10	64QAM	25	25	21.64	21.68	21.84	21.51	21.48		
10	64QAM	50	0	21.75	21.64	21.82	21.63	21.52		
10	256QAM	1	0	19.69	19.55	19.70	19.42	19.42	20.5	5
10	256QAM	1	25	19.62	19.51	19.75	19.54	19.45		
10	256QAM	1	49	19.68	19.58	19.78	19.51	19.49		
10	256QAM	25	0	19.73	19.61	19.67	19.47	19.47	20.5	5
10	256QAM	25	12	19.76	19.66	19.79	19.57	19.45		
10	256QAM	25	25	19.74	19.67	19.77	19.53	19.42		
10	256QAM	50	0	19.71	19.63	19.78	19.51	19.33		
Channel				3967.5	40148	40620	41093	41565	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				2498.5	25455.3	25933	26392.5	26852.5		
5	QPSK	1	0	24.76	24.59	24.66	24.46	24.41	25.5	0
5	QPSK	1	12	24.63	24.56	24.75	24.43	24.48		
5	QPSK	1	24	24.61	24.59	24.78	24.54	24.46		
5	QPSK	12	0	23.65	23.57	23.74	23.63	23.50	24.5	1
5	QPSK	12	7	23.75	23.59	23.78	23.52	23.49		
5	QPSK	12	13	23.68	23.66	23.71	23.49	23.45		
5	16QAM	1	0	23.59	23.53	23.76	23.55	23.49	24.5	1
5	16QAM	1	12	23.71	23.59	23.76	23.60	23.44		
5	16QAM	1	24	23.55	23.60	23.64	23.46	23.38		
5	16QAM	12	0	22.71	22.63	22.78	22.59	22.51	23.5	2
5	16QAM	12	7	22.79	22.61	22.82	22.53	22.49		
5	16QAM	12	13	22.66	22.66	22.84	22.53	22.54		
5	16QAM	25	0	22.69	22.63	22.76	22.51	22.52	23.5	2
5	64QAM	1	0	22.67	22.44	22.70	22.54	22.47		
5	64QAM	1	12	22.45	22.60	22.71	22.58	22.36		
5	64QAM	1	24	22.67	22.47	22.60	22.45	22.40	22.5	3
5	64QAM	12	7	21.72	21.55	21.67	21.59	21.47		
5	64QAM	12	13	21.71	21.61	21.75	21.47	21.40		
5	64QAM	25	0	21.67	21.69	21.75	21.56	21.47	20.5	5
5	256QAM	1	0	19.73	19.62	19.62	19.40	19.44		
5	256QAM	1	12	19.67	19.60	19.79	19.43	19.45		
5	256QAM	1	24	19.59	19.64	19.75	19.59	19.51	20.5	5
5	256QAM	12	0	19.61	19.59	19.71	19.67	19.53		
5	256QAM	12	7	19.69	19.55	19.79	19.49	19.47		
5	256QAM	12	13	19.71	19.63	19.67	19.53	19.42	20.5	5
5	256QAM	25	0	19.62	19.59	19.79	19.52	19.56		

Band 4 Ant5_DS14																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up time (sec)	MPR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	20.79	20.86	20.86	22.5	0								
20	QPSK	1	49	20.71	20.75	20.78										
20	QPSK	1	99	20.75	20.76	20.77										
20	QPSK	50	0	20.72	20.77	20.66										
20	QPSK	50	24	20.68	20.69	20.67	22.5	0								
20	QPSK	50	50	20.67	20.71	20.64										
20	QPSK	100	0	20.60	20.73	20.56										
20	16QAM	50	0	20.63	20.63	20.79										
20	16QAM	1	49	20.68	20.69	20.67	22.5	0								
20	16QAM	1	99	20.66	20.63	20.69										
20	16QAM	50	0	20.69	20.75	20.77										
20	16QAM	50	24	20.72	20.66	20.67										
20	16QAM	50	50	20.75	20.61	20.66	22.5	0								
20	16QAM	100	0	20.66	20.63	20.61										
20	64QAM	1	0	20.72	20.66	20.76										
20	64QAM	1	49	20.72	20.66	20.66										
20	64QAM	50	0	19.75	19.86	19.75	21.5	1								
20	64QAM	50	24	19.62	19.75	19.71										
20	64QAM	50	50	19.72	19.63	19.66										
20	64QAM	100	0	19.71	19.56	19.71										
20	256QAM	1	49	17.63	17.66	17.71	19.5	3								
20	256QAM	1	99	17.80	17.67	17.70										
20	256QAM	50	0	17.77	17.72	17.64										
20	256QAM	50	24	17.71	17.67	17.79										
20	256QAM	50	50	17.62	17.63	17.75	19.5	3								
20	256QAM	100	0	17.76	17.69	17.75										
Channel																
Frequency (MHz)																
16	QPSK	1	0	20.71	20.79	20.82	22.5	0								
16	QPSK	1	37	20.64	20.66	20.74										
16	QPSK	1	74	20.66	20.67	20.67										
16	QPSK	36	0	20.69	20.60	20.61										
16	QPSK	36	20	20.63	20.61	20.67	22.5	0								
16	QPSK	36	39	20.68	20.74	20.69										
16	QPSK	75	0	20.73	20.79	20.66										
16	16QAM	1	0	20.70	20.70	20.68										
16	16QAM	1	37	20.66	20.62	20.68	22.5	0								
16	16QAM	1	74	20.77	20.70	20.64										
16	16QAM	36	0	20.61	20.57	20.72										
16	16QAM	36	20	20.73	20.55	20.67										
16	16QAM	36	20	20.72	20.56	20.67	22.5	0								
16	16QAM	75	0	20.50	20.58	20.54										
16	64QAM	1	0	20.72	20.66	20.71										
16	64QAM	1	37	20.66	20.66	20.66										
16	64QAM	1	74	20.65	20.52	20.57	21.5	1								
16	64QAM	36	0	19.64	19.79	19.61										
16	64QAM	36	20	19.63	19.63	19.64										
16	64QAM	36	39	19.72	19.75	19.55										
16	64QAM	75	0	19.62	19.63	19.76	19.5	3								
16	256QAM	1	0	17.67	17.70	17.75										
16	256QAM	1	37	17.64	17.70	17.75										
16	256QAM	1	74	17.80	17.67	17.71										
16	256QAM	36	0	17.68	17.63	17.66	19.5	3								
16	256QAM	36	20	17.67	17.65	17.64										
16	256QAM	36	39	17.68	17.78	17.75										
16	256QAM	75	0	17.78	17.61	17.64										
Channel																
Frequency (MHz)																
10	QPSK	1	0	20.60	20.79	20.60	22.5	0								
10	QPSK	1	25	20.62	20.53	20.60										
10	QPSK	1	49	20.64	20.70	20.68										
10	QPSK	25	0	20.61	20.55	20.62										
10	QPSK	25	12	20.68	20.59	20.50	22.5	0								
10	QPSK	25	25	20.63	20.69	20.62										
10	QPSK	50	0	20.60	20.60	20.76										
10	16QAM	1	0	20.70	20.77	20.59										
10	16QAM	1	25	20.65	20.62	20.65	22.5	0								
10	16QAM	1	49	20.66	20.66	20.60										
10	16QAM	25	0	20.59	20.55	20.74										
10	16QAM	25	12	20.63	20.67	20.75										
10	16QAM	50	0	20.54	20.58	20.68	22.5	0								
10	16QAM	50	0	20.59	20.59	20.57										
10	64QAM	1	0	20.69	20.79	20.55										
10	64QAM	1	25	20.62	20.66	20.60										
10	64QAM	1	49	20.66	20.66	20.60	21.5	1								
10	64QAM	25	0	19.69	19.75	19.62										
10	64QAM	25	12	19.62	19.62	19.65										
10	64QAM	25	25	19.59	19.62	19.65										
10	64QAM	50	0	19.70	19.56	19.66	19.5	3								
10	256QAM	1	0	17.72	17.68	17.68										
10	256QAM	1	25	17.58	17.66	17.68										
10	256QAM	1	49	17.62	17.54	17.66										
10	256QAM	25	0	17.68	17.60	17.64	19.5	3								
10	256QAM	25	12	17.72	17.68	17.76										
10	256QAM	25	25	17.78	17.65	17.73										
10	256QAM	50	0	17.78	17.70	17.67										
Channel																
Frequency (MHz)																
5	QPSK	1	0	20.68	20.72	20.72	22.5	0								
5	QPSK	1	12	20.67	20.55	20.59										
5	QPSK	1	24	20.69	20.61	20.72										
5	QPSK	12	0	20.63	20.57	20.67										
5	QPSK	12	7	20.62	20.55	20.59	22.5	0								
5	QPSK	12	13	20.63	20.67	20.69										
5	QPSK	20	0	20.63	20.63	20.70										
5	16QAM	1	0	20.68	20.67	20.62										
5	16QAM	1	12	20.65	20.76	20.58	22.5	0								
5	16QAM	1	24	20.78	20.78	20.73										
5	16QAM	12	0	20.50	20.64	20.62										
5	16QAM	12	7	20.69	20.59	20.69										
5	16QAM	12	13	20.68	20.61	20.63	22.5	0								
5	16QAM	25	0	20.61	20.69	20.50										
5	64QAM	1	0	20.63	20.60	20.61										
5	64QAM	1	12	20.61	20.67	20.71										
5	64QAM	1	24	20.59	20.67	20.71	21.5	1								
5	64QAM	12	0	19.67	19.73	19.62										
5	64QAM	12	7	19.66	19.59	19.59										
5	64QAM	12	13	19.68	19.78	19.62										
5	256QAM	1	0	17.74	17.71	17.69	19.5	3								
5	256QAM	1	12	17.62	17.69	17.71										
5	256QAM	1	24	17.72	17.64	17.71										
5	256QAM	12	0	17.66	17.62	17.65										
5	256QAM	12	7	17.73	17.71	17.67	19.5	3								
5	256QAM	12	13	17.78	17.65	17.71										
5	256QAM	25	0	17.78	17.78	17.65										
5	256QAM	25	12	17.78	17.75	17.75										
5	256QAM	25	25	17.77	17.75	17.75	19.5	3								
5	256QAM	50	0	17.78	17.70	17.67										
Channel																
Frequency (MHz)																
3	QPSK	1	0	20.61	20.72	20.60			22.5	0						
3	QPSK	1	7	20.60	20.68	20.72										
3	QPSK	1	14	20.61	20.67	20.72										
3	QPSK	8	0	20.77	20.77	20.57										
3	QPSK	8	4	20.74	20.59	20.58	22.5	0								
3	QPSK	8	11	20.68	20.77	20.65										
3	QPSK	16	0	20.63	20.75	20.59										
3	16QAM	1	0	20.78	20.69	20.67										
3	16QAM	1	7	20.63	20.67	20.74	22.5	0								
3	16QAM	1	14	20.79	20.78	20.91										
3	16QAM	8	0	20.63	20.67	20.74										
3	16QAM	8	4	20.79	20.79	20.59										
3	16QAM	16	0	20.66	20.60	20.59	22.5	0								
3	16QAM	16	7	20.72	20.65	20.65										
3	64QAM	1	0	20.78	20.68	20.77										
3	64QAM	1	7	20.68	20.68	20.83										
3	64QAM	8	0	19.70	19.86	19.87	21.5	1								
3	64QAM	8	4	19.71	19.78	19.83										
3	64QAM	16	0	19.67	19.67	19.80										
3	64QAM	16	7	19.67	19.60	19.67										
3	256QAM	1	0	17.73	17.71	17.63	19.5	3								
3	256QAM	1	7	17.61	17.61	17.73										
3	256QAM	1	14	17.80	17.60	17.70										
3	256QAM	8	0	17.66	17.68	17.66										
3	256QAM	8	4	17.69	17.67	17.71	19.5	3								
3	256QAM	8	7	17.78	17.83	17.63										
3	256QAM	16	0	17.78	17.78	17.65										
3	256QAM	16	7	17.78	17.64	17.65										
3	256QAM	16	14	17.77	17.75	17.63	19.5	3								
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	20.63	20.60	20.60			22.5	0						
1.4	QPSK	1	20	20.64	20.57	20.62										
1.4	QPSK	1	40	20.69	20.62	20.63										
1.4	QPSK	3	0	20.61	20.73	20.66										
1.4	QPSK	3	20	20.64	20.53	20.63	22.5	0								
1.4	QPSK	3	40	20.68	20.72	20.62										
1.4	QPSK	6	0	20.53	20.70	20.59										
1.4	QPSK	6	20	20.67	20.60	20.63										
1.4	16QAM	1	0	20.84	20.73	20.60	22.5	0								
1.4	16QAM	1	20	20.87	20.74	20.64										
1.4	16QAM	3	0	20.72	20.80	20.69										
1.4	16QAM	3	20	20.79	20.72	20.75										
1.4	16QAM	6	0	20.74	20.70	20.70	22.5	0								
1.4	16QAM	6	20	20.72	20.64	20.64										
1.4	64QAM	1	0	20.67	20.66	20.67										
1.4	64QAM	1	20	20.75	20.76	20.61										
1.4	64QAM	3	0	20.77	20.74	20.59	21.5	1								
1.4	64QAM	3	20	20.77	20.73	20.69										
1.4	256QAM	1	0	17.69	17.67	17.72										
1.4	256QAM	1	20	17.82	17.69											

Band 38 Ant5 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.47	23.59	23.34			
20	QPSK	1	49	23.36	23.39	23.32	24.5	0	
20	QPSK	1	99	23.41	23.43	23.41			
20	QPSK	50	0	23.37	23.43	23.40			
20	QPSK	50	24	23.31	23.34	23.26			
20	QPSK	50	50	23.29	23.20	23.38	24.5	0	
20	QPSK	100	0	23.20	23.31	23.26			
20	16QAM	1	0	23.20	23.36	23.39			
20	16QAM	1	49	23.50	23.44	23.32			
20	16QAM	1	99	23.46	23.35	23.27	24.5	0	
20	16QAM	50	0	22.21	22.39	22.35			
20	16QAM	50	24	22.30	22.44	22.30			
20	16QAM	50	50	22.33	22.55	22.30			
20	16QAM	100	0	22.25	22.20	22.52	23.5	1	
20	64QAM	1	0	22.24	22.36	22.41			
20	64QAM	1	49	22.32	22.41	22.40			
20	64QAM	1	99	22.31	22.18	22.42			
20	64QAM	50	0	21.35	21.37	21.45			
20	64QAM	50	24	21.46	21.45	21.40			
20	64QAM	50	50	21.22	21.47	21.45			
20	64QAM	100	0	21.24	21.25	21.52	22.5	2	
20	256QAM	1	0	19.16	19.21	19.08			
20	256QAM	1	49	19.26	18.99	18.97			
20	256QAM	1	99	19.07	19.05	19.15			
20	256QAM	50	0	19.16	19.18	19.08			
20	256QAM	50	24	19.21	19.20	19.13			
20	256QAM	50	50	19.22	19.31	19.03			
20	256QAM	100	0	19.03	19.30	18.98	20.5	4	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.47	23.44	23.34			
15	QPSK	1	37	23.37	23.36	23.24	24.5	0	
15	QPSK	1	74	23.24	23.25	23.39			
15	QPSK	36	0	23.16	23.36	23.28			
15	QPSK	36	20	23.31	23.25	23.21			
15	QPSK	36	39	23.22	23.02	23.21	24.5	0	
15	QPSK	75	0	23.02	23.16	23.08			
15	16QAM	1	0	23.11	23.26	23.40			
15	16QAM	1	37	23.31	23.22	23.31			
15	16QAM	1	74	23.42	23.36	23.27	24.5	0	
15	16QAM	36	0	22.13	22.20	22.33			
15	16QAM	36	20	22.19	22.37	22.09			
15	16QAM	36	39	22.14	22.42	22.25			
15	16QAM	75	0	22.19	22.06	22.31			
15	64QAM	1	0	22.24	22.26	22.25			
15	64QAM	1	37	22.21	22.34	22.19			
15	64QAM	1	74	22.32	22.10	22.43	23.5	1	
15	64QAM	36	0	21.29	21.25	21.34			
15	64QAM	36	20	21.47	21.28	21.22			
15	64QAM	36	39	21.19	21.47	21.35			
15	64QAM	75	0	21.07	21.07	21.34	22.5	2	
15	256QAM	1	0	19.16	19.21	19.08			
15	256QAM	1	37	19.26	18.99	18.97			
15	256QAM	1	74	19.07	19.05	19.15			
15	256QAM	36	0	19.16	19.18	19.08			
15	256QAM	36	20	19.21	19.20	19.13			
15	256QAM	36	39	19.22	19.31	19.03			
15	256QAM	75	0	19.03	19.30	18.98	20.5	4	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.26	23.36	23.28			
10	QPSK	1	25	23.33	23.36	23.25	24.5	0	
10	QPSK	1	49	23.37	23.27	23.37			
10	QPSK	25	0	23.25	23.17	23.24			
10	QPSK	25	12	23.05	23.23	23.00			
10	QPSK	25	25	23.09	23.13	23.12	24.5	0	
10	QPSK	50	0	23.06	23.13	23.07			
10	16QAM	1	0	22.97	23.33	23.35			
10	16QAM	1	25	23.34	23.36	23.22			
10	16QAM	1	49	23.27	23.15	23.02	24.5	0	
10	16QAM	25	0	21.95	22.19	22.12			
10	16QAM	25	12	22.18	22.29	22.26			
10	16QAM	25	25	22.19	22.31	22.12			
10	16QAM	50	0	22.21	22.12	22.37	23.5	1	
10	64QAM	1	0	21.98	22.26	22.22			
10	64QAM	1	25	22.24	22.33	22.35			
10	64QAM	1	49	22.23	21.97	22.25			
10	64QAM	25	0	21.27	21.24	21.40			
10	64QAM	25	12	21.30	21.32	21.25			
10	64QAM	25	25	21.11	21.23	21.30			
10	64QAM	50	0	21.05	20.99	21.34	22.5	2	
10	256QAM	1	0	19.03	19.40	19.10			
10	256QAM	1	25	19.31	19.16	19.08			
10	256QAM	1	49	19.07	19.08	19.28			
10	256QAM	25	0	19.27	19.28	19.06			
10	256QAM	25	12	19.23	19.14	19.15			
10	256QAM	25	25	19.27	19.36	19.02			
10	256QAM	50	0	19.01	19.28	19.14	20.5	4	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.30	23.31	23.05			
5	QPSK	1	12	23.17	23.29	23.07	24.5	0	
5	QPSK	1	24	23.24	23.25	23.23			
5	QPSK	12	0	23.06	23.28	23.14			
5	QPSK	12	7	23.16	23.10	23.00			
5	QPSK	12	13	23.06	22.91	23.22	24.5	0	
5	QPSK	25	0	22.96	23.14	22.98			
5	16QAM	1	0	23.10	23.15	23.11			
5	16QAM	1	12	23.28	23.32	23.22			
5	16QAM	1	24	23.16	23.16	23.04	24.5	0	
5	16QAM	12	0	22.04	22.18	22.06			
5	16QAM	12	7	22.03	22.14	22.06			
5	16QAM	12	13	22.11	22.23	22.12			
5	16QAM	25	0	22.01	22.04	22.25			
5	64QAM	1	0	22.04	22.13	22.13			
5	64QAM	1	12	22.10	22.12	22.22			
5	64QAM	1	24	22.05	21.91	22.24	23.5	1	
5	64QAM	12	0	21.16	21.20	21.31			
5	64QAM	12	7	21.30	21.15	21.09			
5	64QAM	12	13	21.13	21.18	21.16			
5	64QAM	25	0	21.14	21.03	21.30			
5	256QAM	1	0	19.16	19.21	19.08			
5	256QAM	1	12	19.26	18.99	18.97			
5	256QAM	1	24	19.07	19.05	19.15	20.5	4	
5	256QAM	12	0	19.16	19.18	19.08			
5	256QAM	12	7	19.21	19.20	19.13			
5	256QAM	12	13	19.22	19.31	19.03			
5	256QAM	25	0	19.03	19.30	18.98	20.5	4	

Band 41 Ant5 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.32	24.21	24.38	24.27	24.25	25.5	0
20	QPSK	1	49	24.30	24.24	24.33	24.18	24.18		
20	QPSK	1	99	24.27	24.24	24.29	24.21	24.15		
20	QPSK	50	0	23.42	23.24	23.45	23.31	23.18	24.5	1
20	QPSK	50	24	23.43	23.32	23.41	23.30	23.23		
20	QPSK	50	50	23.41	23.29	23.38	23.22	23.16		
20	QPSK	100	0	23.42	23.30	23.44	23.37	23.25	24.5	1
20	16QAM	1	0	23.33	23.21	23.41	23.27	23.19		
20	16QAM	1	49	23.33	23.28	23.35	23.38	23.22		
20	16QAM	1	99	23.31	23.26	23.35	23.12	23.16	23.5	2
20	16QAM	50	0	22.45	22.27	22.33	22.33	22.19		
20	16QAM	50	24	22.46	22.34	22.42	22.30	22.18		
20	16QAM	50	50	22.39	22.32	22.39	22.27	22.18	22.5	3
20	16QAM	100	0	22.41	22.31	22.41	22.29	22.14		
20	16QAM	1	0	22.33	22.18	22.38	22.32	22.19		
20	64QAM	1	49	22.40	22.32	22.42	22.33	22.25	22.5	3
20	64QAM	1	99	22.29	22.27	22.30	22.25	22.17		
20	64QAM	50	0	21.46	21.26	21.33	21.31	21.21		
20	64QAM	50	24	21.43	21.33	21.43	21.32	21.19	20.5	5
20	64QAM	50	50	21.41	21.31	21.41	21.28	21.18		
20	64QAM	100	0	21.44	21.33	21.42	21.28	21.17		
20	256QAM	1	0	19.43	19.30	19.32	19.35	19.36	20.5	5
20	256QAM	1	49	19.22	19.18	19.33	19.21	19.21		
20	256QAM	1	99	19.18	19.16	19.31	19.28	19.18		
20	256QAM	50	0	19.36	19.18	19.41	19.42	19.25	20.5	5
20	256QAM	50	24	19.40	19.37	19.39	19.18	19.19		
20	256QAM	50	50	19.38	19.41	19.36	19.22	19.17		
20	256QAM	100	0	19.50	19.23	19.42	19.27	19.31		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.78	23.65	23.83	23.78	23.73	25.50	0
15	QPSK	1	37	23.72	23.76	23.79	23.60	23.71		
15	QPSK	1	74	23.76	23.77	23.75	23.65	23.63		
15	QPSK	36	0	22.83	22.73	22.80	22.77	22.81	24.5	1
15	QPSK	36	20	22.82	22.80	22.82	22.80	22.87		
15	QPSK	36	39	22.84	22.77	22.86	22.68	22.76		
15	QPSK	75	0	22.87	22.73	22.95	22.72	22.75	24.5	1
15	16QAM	1	0	22.77	22.67	22.87	22.74	22.72		
15	16QAM	1	37	22.98	22.82	22.89	22.83	22.78		
15	16QAM	1	74	22.73	22.73	22.90	22.77	22.73	23.5	2
15	16QAM	36	0	21.88	21.81	21.77	21.85	21.77		
15	16QAM	36	20	21.94	21.87	21.90	21.85	21.77		
15	16QAM	36	39	21.89	21.84	21.94	21.73	21.70	23.5	2
15	16QAM	75	0	21.94	21.81	21.88	21.80	21.78		
15	64QAM	1	0	21.80	21.73	21.93	21.69	21.73		
15	64QAM	1	37	21.91	21.91	21.88	21.66	21.80	23.5	2
15	64QAM	1	74	21.74	21.82	21.82	21.73	21.66		
15	64QAM	36	0	20.95	20.74	20.78	20.86	20.74		
15	64QAM	36	20	20.92	20.76	20.90	20.77	20.69	22.5	3
15	64QAM	36	39	20.87	20.86	20.85	20.80	20.73		
15	64QAM	75	0	20.98	20.84	20.89	20.73	20.69		
15	256QAM	1	0	18.80	18.54	18.85	18.87	18.76	20.5	5
15	256QAM	1	37	18.76	18.68	18.90	18.68	18.70		
15	256QAM	1	74	18.83	18.76	18.86	18.74	18.69		
15	256QAM	36	0	18.90	18.82	18.86	18.76	18.68	20.5	5
15	256QAM	36	20	18.88	18.91	18.94	18.89	18.76		
15	256QAM	36	39	18.80	18.72	18.79	18.65	18.66		
15	256QAM	75	0	18.75	18.73	18.82	18.72	18.65		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.85	23.75	23.78	23.79	23.76	25.50	0
10	QPSK	1	25	23.81	23.71	23.85	23.70	23.69		
10	QPSK	1	49	23.73	23.66	23.81	23.70	23.65		
10	QPSK	25	0	22.89	22.69	22.88	22.81	22.69	24.5	1
10	QPSK	25	12	22.95	22.87	22.89	22.72	22.67		
10	QPSK	25	25	22.84	22.75	22.87	22.74	22.76		
10	QPSK	50	0	22.87	22.83	22.86	22.77	22.65	24.5	1
10	16QAM	1	0	22.84	22.75	22.97	22.80	22.71		
10	16QAM	1	25	22.94	22.94	22.99	22.80	22.72		
10	16QAM	1	49	22.74	22.73	22.87	22.70	22.75	23.5	2
10	16QAM	25	0	21.88	21.77	21.78	21.83	21.70		
10	16QAM	25	12	21.97	21.89	21.98	21.80	21.70		
10	16QAM	25	25	21.89	21.77	21.81	21.79	21.74	23.5	2
10	16QAM	50	0	21.94	21.74	21.93	21.75	21.76		
10	64QAM	1	0	21.76	21.61	21.94	21.72	21.69		
10	64QAM	1	25	21.88	21.91	21.86	21.76	21.79	22.5	3
10	64QAM	1	49	21.83	21.81	21.73	21.75	21.71		
10	64QAM	25	0	21.00	20.80	20.89	20.84	20.74		
10	64QAM	25	12	20.88	20.85	20.92	20.76	20.74	22.5	3
10	64QAM	25	25	20.92	20.76	20.86	20.74	20.77		
10	64QAM	50	0	20.96	20.80	20.89	20.75	20.72		
10	256QAM	1	0	18.82	18.77	18.84	18.70	18.72	20.5	5
10	256QAM	1	25	18.80	18.79	18.78	18.64	18.70		
10	256QAM	1	49	18.80	18.71	18.86	18.73	18.75		
10	256QAM	25	0	18.78	18.69	18.83	18.84	18.77	20.5	5
10	256QAM	25	12	18.94	18.82	19.00	18.71	18.73		
10	256QAM	25	25	18.84	18.74	18.87	18.77	18.78		
10	256QAM	50	0	18.75	18.75	18.85	18.79	18.64		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.80	23.75	23.79	23.73	23.76	25.50	0
5	QPSK	1	12	23.82	23.76	23.84	23.71	23.72		
5	QPSK	1	24	23.76	23.72	23.77	23.65	23.63		
5	QPSK	12	0	22.88	22.69	22.86	22.80	22.73	24.5	1
5	QPSK	12	7	22.88	22.87	22.95	22.82	22.66		
5	QPSK	12	13	22.91	22.77	22.85	22.76	22.64		
5	QPSK	25	0	23.00	22.74	22.96	22.71	22.67	24.5	1
5	16QAM	1	0	22.80	22.71	22.92	22.77	22.75		
5	16QAM	1	12	22.94	22.80	22.93	22.84	22.74		
5	16QAM	1	24	22.79	22.73	22.89	22.72	22.71	23.5	2
5	16QAM	12	0	21.88	21.74	21.76	21.84	21.74		
5	16QAM	12	7	21.88	21.81	21.96	21.74	21.72		
5	16QAM	12	13	21.90	21.78	21.84	21.70	21.71	23.5	2
5	16QAM	25	0	21.87	21.78	21.96	21.77	21.72		
5	64QAM	1	0	21.81	21.70	21.83	21.78	21.73		
5	64QAM	1	12	21.93	21.93	21.98	21.69	21.81	23.5	2
5	64QAM	1	24	21.83	21.71	21.80	21.77	21.71		
5	64QAM	12	0	21.00	20.79	20.82	20.83	20.75		
5	64QAM	12	7	20.89	20.87	20.97	20.88	20.69	22.5	3
5	64QAM	12	13	20.91	20.78	20.86	20.72	20.68		
5	64QAM	25	0	20.87	20.76	20.93	20.82	20.65		
5	256QAM	1	0	18.92	18.87	18.79	18.69	18.73	20.5	5
5	256QAM	1	12	18.82	18.90	18.92	18.69	18.82		
5	256QAM	1	24	18.77	18.86	18.67	18.69	18.63		
5	256QAM	12	0	19.00	18.70	18.87	18.71	18.77	20.5	5
5	256QAM	12	7	18.88	18.89	18.88	18.86	18.62		
5	256QAM	12	13	18.85	18.80	18.90	18.79	18.65		
5	256QAM	25	0	18.95	18.70	18.86	18.75	18.60		

Band 42 Ant10 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990	25.7	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	24.71	24.84	24.77			
20	QPSK	1	49	24.65	24.75	24.79	24.7	1	
20	QPSK	1	99	24.66	24.73	24.81			
20	QPSK	50	0	23.97	24.01	23.89			
20	QPSK	50	24	23.85	23.85	23.83	24.7	1	
20	QPSK	50	50	23.92	23.86	23.91			
20	QPSK	100	0	23.92	23.95	23.88			
20	16QAM	1	0	23.96	23.94	23.96	24.7	1	
20	16QAM	1	49	24.06	23.97	23.96			
20	16QAM	1	99	23.93	23.87	23.98			
20	16QAM	50	0	22.88	22.87	22.95	23.7	2	
20	16QAM	50	24	22.84	22.86	22.78			
20	16QAM	50	50	22.92	22.84	22.81			
20	16QAM	100	0	22.82	22.87	22.83	23.7	2	
20	64QAM	1	0	22.92	22.81	22.88			
20	64QAM	1	49	22.80	22.74	22.74			
20	64QAM	1	99	22.81	22.71	22.68	22.7	3	
20	64QAM	50	0	21.85	21.87	21.75			
20	64QAM	50	24	21.83	21.82	21.89			
20	64QAM	50	50	21.71	21.79	21.83	20.7	5	
20	64QAM	100	0	21.87	21.85	21.88			
20	256QAM	1	0	19.81	19.98	19.86			
20	256QAM	1	49	19.68	19.63	19.76	20.7	5	
20	256QAM	1	99	19.76	19.61	19.85			
20	256QAM	50	0	19.86	20.02	19.97			
20	256QAM	50	24	19.77	19.81	19.94	20.7	5	
20	256QAM	50	50	19.86	19.83	19.91			
20	256QAM	100	0	19.89	19.84	19.90			
Channel				42165	42590	43015	25.7	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	24.47	24.82	24.75			
15	QPSK	1	37	24.59	24.56	24.64	24.7	1	
15	QPSK	1	74	24.74	24.65	24.72			
15	QPSK	36	0	23.83	23.77	23.78			
15	QPSK	36	20	23.61	23.81	23.80	24.7	1	
15	QPSK	36	39	23.89	23.89	23.68			
15	QPSK	75	0	23.86	23.87	23.71			
15	16QAM	1	0	23.82	23.88	23.84	24.7	1	
15	16QAM	1	37	24.07	23.93	23.94			
15	16QAM	1	74	23.96	23.87	24.00			
15	16QAM	36	0	22.64	22.67	22.85	23.7	2	
15	16QAM	36	20	22.72	22.88	22.58			
15	16QAM	36	39	22.84	22.80	22.71			
15	16QAM	75	0	22.74	22.83	22.79	23.7	2	
15	64QAM	1	0	22.77	22.79	22.65			
15	64QAM	1	37	22.56	22.68	22.67			
15	64QAM	1	74	22.68	22.60	22.57	22.7	3	
15	64QAM	36	0	21.64	21.76	21.64			
15	64QAM	36	20	21.74	21.65	21.83			
15	64QAM	36	39	21.59	21.80	21.64	20.7	5	
15	64QAM	75	0	21.72	21.84	21.88			
15	256QAM	1	0	19.47	19.85	19.64			
15	256QAM	1	37	19.65	19.67	19.72	20.7	5	
15	256QAM	1	74	19.80	19.69	19.71			
15	256QAM	36	0	19.73	19.85	19.89			
15	256QAM	36	20	19.64	19.83	19.75	20.7	5	
15	256QAM	36	39	19.92	19.85	19.64			
15	256QAM	75	0	19.77	19.79	19.81			
Channel				42160	42590	43010	25.7	0	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	24.66	24.67	24.65			
10	QPSK	1	25	24.46	24.80	24.74	24.7	1	
10	QPSK	1	49	24.53	24.62	24.80			
10	QPSK	25	0	23.96	23.67	23.76			
10	QPSK	25	12	23.70	23.76	23.86	24.7	1	
10	QPSK	25	25	23.79	23.73	23.76			
10	QPSK	50	0	23.90	23.85	23.97			
10	16QAM	1	0	23.80	23.92	23.89	24.7	1	
10	16QAM	1	25	24.06	23.92	23.92			
10	16QAM	1	49	23.77	23.86	23.86			
10	16QAM	25	0	22.87	22.62	22.97	23.7	2	
10	16QAM	25	12	22.63	22.89	22.59			
10	16QAM	25	25	22.75	22.85	22.65			
10	16QAM	50	0	22.80	22.90	22.79	23.7	2	
10	64QAM	1	0	22.68	22.66	22.89			
10	64QAM	1	25	22.66	22.63	22.73			
10	64QAM	1	49	22.62	22.57	22.58	22.7	3	
10	64QAM	25	0	21.68	21.70	21.68			
10	64QAM	25	12	21.62	21.65	21.83			
10	64QAM	25	25	21.60	21.72	21.83	20.7	5	
10	64QAM	50	0	21.71	21.84	21.70			
10	256QAM	1	0	19.70	19.78	19.66			
10	256QAM	1	25	19.58	19.68	19.66	20.7	5	
10	256QAM	1	49	19.59	19.71	19.81			
10	256QAM	25	0	19.93	19.78	19.72			
10	256QAM	25	12	19.62	19.82	19.88	20.7	5	
10	256QAM	25	25	19.68	19.85	19.67			
10	256QAM	50	0	19.90	19.84	20.03			
Channel				42115	42590	43065	25.7	0	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	24.66	24.83	24.67			
5	QPSK	1	12	24.61	24.66	24.73	24.7	1	
5	QPSK	1	24	24.79	24.72	24.76			
5	QPSK	12	0	23.87	23.68	23.94			
5	QPSK	12	7	23.79	23.79	23.63	24.7	1	
5	QPSK	12	13	23.68	23.71	23.92			
5	QPSK	25	0	23.79	23.74	23.97			
5	16QAM	1	0	23.99	23.91	23.72	24.7	1	
5	16QAM	1	12	23.89	23.96	23.96			
5	16QAM	1	24	23.77	23.65	23.80			
5	16QAM	12	0	22.72	22.77	22.90	23.7	2	
5	16QAM	12	7	22.64	22.69	22.78			
5	16QAM	12	13	22.80	22.79	22.58			
5	16QAM	25	0	22.61	22.82	22.77	23.7	2	
5	64QAM	1	0	22.83	22.64	22.73			
5	64QAM	1	12	22.83	22.74	22.54			
5	64QAM	1	24	22.67	22.57	22.48	22.7	3	
5	64QAM	12	0	21.89	21.88	21.50			
5	64QAM	12	7	21.67	21.62	21.77			
5	64QAM	12	13	21.66	21.73	21.70	20.7	5	
5	64QAM	25	0	21.62	21.68	21.87			
5	256QAM	1	0	19.70	19.81	19.62			
5	256QAM	1	12	19.66	19.68	19.67	20.7	5	
5	256QAM	1	24	19.77	19.65	19.77			
5	256QAM	12	0	19.84	19.74	19.95			
5	256QAM	12	7	19.81	19.73	19.63	20.7	5	
5	256QAM	12	13	19.65	19.83	19.84			
5	256QAM	25	0	19.86	19.70	20.05			

Band 48 Ant10 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	23.5	0
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.32	22.39	22.42	22.24		
20	QPSK	1	49	22.31	22.24	22.38	22.26	22.5	1
20	QPSK	1	99	22.24	22.29	22.30	22.36		
20	QPSK	50	0	21.48	21.57	21.58	21.34		
20	QPSK	50	24	21.30	21.31	21.28	21.42	22.5	1
20	QPSK	50	50	21.44	21.46	21.46	21.45		
20	QPSK	100	0	21.39	21.51	21.55	21.43		
20	16QAM	1	0	21.52	21.34	21.34	21.49	22.5	1
20	16QAM	1	49	21.36	21.50	21.32	21.24		
20	16QAM	1	99	21.30	21.47	21.40	21.36		
20	16QAM	50	0	20.48	20.44	20.32	20.37	21.5	2
20	16QAM	50	24	20.36	20.38	20.58	20.60		
20	16QAM	50	50	20.50	20.41	20.49	20.54		
20	16QAM	100	0	20.40	20.37	20.52	20.38	21.5	2
20	64QAM	1	0	20.37	20.42	20.21	20.36		
20	64QAM	1	49	20.21	20.33	20.39	20.36		
20	64QAM	1	99	20.40	20.34	20.30	20.25	20.5	3
20	64QAM	50	0	19.22	19.30	19.39	19.32		
20	64QAM	50	24	19.51	19.49	19.43	19.54		
20	64QAM	50	50	19.57	19.48	19.51	19.49	18.5	5
20	64QAM	100	0	19.52	19.25	19.42	19.50		
20	256QAM	1	0	17.34	17.43	17.32	17.32		
20	256QAM	1	49	17.21	17.35	17.45	17.33	18.5	5
20	256QAM	1	99	17.15	17.22	17.19	17.44		
20	256QAM	50	0	17.59	17.57	17.47	17.26		
20	256QAM	50	24	17.41	17.38	17.24	17.34	18.5	5
20	256QAM	50	50	17.41	17.48	17.45	17.39		
20	256QAM	100	0	17.49	17.51	17.25	17.32		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3622	3662.5	23.5	0
15	QPSK	1	0	22.33	22.26	22.25	22.04		
15	QPSK	1	37	22.19	22.13	22.28	22.26		
15	QPSK	1	74	22.09	22.14	22.34	22.30	22.5	1
15	QPSK	36	0	21.29	21.43	21.36	21.11		
15	QPSK	36	20	21.13	21.25	21.14	21.23		
15	QPSK	36	39	21.30	21.25	21.40	21.27	22.5	1
15	QPSK	75	0	21.19	21.32	21.23	21.48		
15	16QAM	1	0	21.36	21.25	21.21	21.30		
15	16QAM	1	37	21.13	21.43	21.14	21.16	22.5	1
15	16QAM	1	74	21.23	21.46	21.23	21.25		
15	16QAM	36	0	20.42	20.24	20.22	20.30		
15	16QAM	36	20	20.18	20.25	20.34	20.42	21.5	2
15	16QAM	36	39	20.32	20.40	20.29	20.57		
15	16QAM	75	0	20.43	20.27	20.45	20.19		
15	64QAM	1	0	20.34	20.35	20.08	20.27	21.5	2
15	64QAM	1	37	20.13	20.19	20.30	20.32		
15	64QAM	1	74	20.38	20.12	20.17	20.19		
15	64QAM	36	0	19.19	19.30	19.41	19.34	20.5	3
15	64QAM	36	20	19.42	19.29	19.42	19.58		
15	64QAM	36	39	19.35	19.35	19.51	19.54		
15	64QAM	75	0	19.41	19.17	19.39	19.45	18.5	5
15	256QAM	1	0	17.23	17.22	17.35	17.11		
15	256QAM	1	37	17.13	17.10	17.39	17.26		
15	256QAM	1	74	17.00	17.12	17.37	17.36	18.5	5
15	256QAM	36	0	17.23	17.41	17.34	17.16		
15	256QAM	36	20	17.17	17.32	17.19	17.27		
15	256QAM	36	39	17.36	17.23	17.32	17.27	17.5	0
15	256QAM	75	0	17.27	17.24	17.26	17.48		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695	23.5	0
10	QPSK	1	0	22.29	22.10	22.02	22.01		
10	QPSK	1	25	22.20	22.25	22.17	22.09		
10	QPSK	1	49	22.18	22.30	22.34	22.20	22.5	1
10	QPSK	25	0	21.42	21.37	21.45	21.25		
10	QPSK	25	12	21.24	21.19	21.25	21.26		
10	QPSK	25	25	21.33	21.35	21.29	21.40	22.5	1
10	QPSK	50	0	21.23	21.37	21.16	21.44		
10	16QAM	1	0	21.48	21.24	21.24	21.30		
10	16QAM	1	25	21.37	21.41	21.31	21.24	22.5	1
10	16QAM	1	49	21.11	21.33	21.17	21.40		
10	16QAM	25	0	20.30	20.49	20.23	20.40		
10	16QAM	25	12	20.31	20.30	20.36	20.38	21.5	2
10	16QAM	25	25	20.52	20.20	20.53	20.30		
10	16QAM	50	0	20.40	20.42	20.41	20.42		
10	64QAM	1	0	20.24	20.33	19.97	20.25	21.5	2
10	64QAM	1	25	20.07	20.12	20.27	20.18		
10	64QAM	1	49	20.22	20.32	20.24	20.21		
10	64QAM	25	0	19.15	19.16	19.36	19.25	20.5	3
10	64QAM	25	12	19.43	19.24	19.29	19.39		
10	64QAM	25	25	19.38	19.45	19.44	19.35		
10	64QAM	50	0	19.37	19.05	19.23	19.42	18.5	5
10	256QAM	1	0	17.22	17.07	17.14	16.93		
10	256QAM	1	25	17.22	17.38	17.19	17.00		
10	256QAM	1	49	17.14	17.20	17.29	17.26	18.5	5
10	256QAM	25	0	17.35	17.36	17.50	17.25		
10	256QAM	25	12	17.23	17.18	17.27	17.25		
10	256QAM	25	25	17.40	17.19	17.19	17.44	21.5	2
10	256QAM	50	0	17.14	17.36	17.10	17.34		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3609	3613	3692.5	23.5	0
5	QPSK	1	0	22.22	22.11	22.16	22.08		
5	QPSK	1	12	22.35	22.09	22.13	22.06		
5	QPSK	1	24	22.19	22.05	22.07	22.31	22.5	1
5	QPSK	12	0	21.33	21.47	21.20	21.20		
5	QPSK	12	7	21.16	21.26	21.14	21.18		
5	QPSK	12	13	21.35	21.38	21.42	21.43	22.5	1
5	QPSK	25	0	21.23	21.29	21.30	21.42		
5	16QAM	1	0	21.36	21.28	21.17	21.35		
5	16QAM	1	12	21.13	21.40	21.27	21.12	21.5	2
5	16QAM	1	24	21.21	21.44	21.32	21.26		
5	16QAM	12	0	20.41	20.44	20.13	20.21		
5	16QAM	12	7	20.17	20.37	20.36	20.49	21.5	2
5	16QAM	12	13	20.30	20.35	20.27	20.44		
5	16QAM	25	0	20.31	20.37	20.37	20.26		
5	64QAM	1	0	20.18	20.27	20.08	20.20	21.5	2
5	64QAM	1	12	20.11	20.21	20.38	20.14		
5	64QAM	1	24	20.44	20.13	20.25	20.23		
5	64QAM	12	0	19.21	19.26	19.42	19.30	20.5	3
5	64QAM	12	7	19.27	19.43	19.47	19.33		
5	64QAM	12	13	19.52	19.52	19.36	19.47		
5	64QAM	25	0	19.50	19.28	19.35	19.31	18.5	5
5	256QAM	1	0	17.18	17.05	17.10	17.01		
5	256QAM	1	12	17.39	17.03	17.05	17.02		
5	256QAM	1	24	17.14	17.08	17.11	17.26	18.5	5
5	256QAM	12	0	17.35	17.46	17.25	17.23		
5	256QAM	12	7	17.18	17.26	17.10	17.09		
5	256QAM	12	13	17.36	17.45	17.37	17.34	18.5	5
5	256QAM	25	0	17.27	17.20	17.28	17.44		

Band 42 Ant11 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	21.15	21.18	21.08			
20	QPSK	1	49	21.03	20.94	20.92	22.5	0	
20	QPSK	1	99	21.16	21.09	21.05			
20	QPSK	50	0	20.05	20.14	20.02			
20	QPSK	50	24	19.94	20.05	20.05	21.5	1	
20	QPSK	50	50	20.06	20.04	20.09			
20	QPSK	100	0	20.07	20.19	20.04			
20	16QAM	1	0	20.07	20.04	20.12	21.5	1	
20	16QAM	1	49	19.79	19.90	19.90			
20	16QAM	1	99	20.07	20.03	19.99			
20	16QAM	50	0	19.13	19.05	19.08	20.5	2	
20	16QAM	50	24	18.93	19.03	19.15			
20	16QAM	50	50	19.03	19.04	19.01			
20	16QAM	100	0	19.08	19.08	18.98	20.5	2	
20	64QAM	1	0	18.92	19.04	19.15			
20	64QAM	1	49	19.09	19.03	19.01			
20	64QAM	1	99	18.84	18.92	18.82	19.5	3	
20	64QAM	50	0	18.05	18.06	18.17			
20	64QAM	50	24	18.07	18.04	18.03			
20	64QAM	50	50	17.94	18.05	18.08	17.5	5	
20	64QAM	100	0	17.99	18.08	18.02			
20	256QAM	1	0	16.08	16.12	16.20			
20	256QAM	1	49	15.96	15.99	15.94	17.5	5	
20	256QAM	1	99	16.17	16.18	15.96			
20	256QAM	50	0	15.99	16.15	16.05			
20	256QAM	50	24	15.91	16.15	16.02	17.5	5	
20	256QAM	50	50	16.02	15.95	15.98			
20	256QAM	100	0	16.17	16.08	16.07			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	21.13	21.06	21.10			
15	QPSK	1	37	20.95	20.88	20.89	22.5	0	
15	QPSK	1	74	21.17	20.91	20.94			
15	QPSK	36	0	19.85	20.07	19.98	21.5	1	
15	QPSK	36	20	19.73	20.07	19.90			
15	QPSK	36	39	19.88	20.04	20.10			
15	QPSK	75	0	20.04	20.01	20.05	21.5	1	
15	16QAM	1	0	19.88	19.82	19.96			
15	16QAM	1	37	19.82	19.70	19.68	21.5	1	
15	16QAM	1	74	20.02	19.99	19.94			
15	16QAM	36	0	18.97	18.92	18.94	20.5	2	
15	16QAM	36	20	18.73	18.88	18.12			
15	16QAM	36	39	18.86	18.99	18.90			
15	16QAM	75	0	19.00	18.89	18.90	20.5	2	
15	64QAM	1	0	18.83	18.83	18.93			
15	64QAM	1	37	19.14	18.93	18.83			
15	64QAM	1	74	18.78	18.81	18.83	19.5	3	
15	64QAM	36	0	17.95	17.86	17.93			
15	64QAM	36	20	17.97	18.07	17.96			
15	64QAM	36	39	17.83	17.95	18.07	17.5	5	
15	64QAM	75	0	17.75	17.94	17.79			
15	256QAM	1	0	16.02	15.96	16.03			
15	256QAM	1	37	15.93	15.91	16.01	17.5	5	
15	256QAM	1	74	16.10	15.80	16.01			
15	256QAM	36	0	15.81	16.00	16.01			
15	256QAM	36	20	15.85	16.16	15.79	17.5	5	
15	256QAM	36	39	15.85	16.15	16.12			
15	256QAM	75	0	15.97	16.10	16.14			
Channel				42160	42590	43010	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	21.01	21.09	20.96			
10	QPSK	1	25	20.81	20.83	20.95	22.5	0	
10	QPSK	1	49	20.99	20.90	20.85			
10	QPSK	25	0	19.92	19.99	19.81	21.5	1	
10	QPSK	25	12	19.76	19.83	19.99			
10	QPSK	25	25	20.07	20.01	19.89	21.5	1	
10	QPSK	50	0	20.14	19.91	19.94			
10	16QAM	1	0	20.04	19.88	20.00	21.5	1	
10	16QAM	1	25	19.83	19.89	19.85			
10	16QAM	1	49	20.02	19.93	19.90			
10	16QAM	25	0	18.93	18.91	19.10	20.5	2	
10	16QAM	25	12	18.72	18.89	19.02			
10	16QAM	25	25	19.00	18.93	19.00			
10	16QAM	50	0	19.07	19.10	18.97	20.5	2	
10	64QAM	1	0	18.76	18.81	18.94			
10	64QAM	1	25	18.88	18.98	18.78			
10	64QAM	1	49	18.76	18.77	18.70	19.5	3	
10	64QAM	25	0	17.94	17.99	18.06			
10	64QAM	25	12	17.83	18.09	18.06			
10	64QAM	25	25	17.82	17.99	18.11	17.5	5	
10	64QAM	50	0	18.00	18.01	17.78			
10	256QAM	1	0	15.99	16.18	15.90			
10	256QAM	1	25	15.79	15.83	16.00	17.5	5	
10	256QAM	1	49	15.98	15.91	15.92			
10	256QAM	25	0	15.90	16.06	15.81			
10	256QAM	25	12	15.71	15.72	15.92	17.5	5	
10	256QAM	25	25	16.03	15.93	15.92			
10	256QAM	50	0	16.22	16.03	15.83			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	21.11	21.05	21.03			
5	QPSK	1	12	20.78	20.85	20.87	22.5	0	
5	QPSK	1	24	21.06	21.04	20.97			
5	QPSK	12	0	19.89	19.82	19.81	21.5	1	
5	QPSK	12	7	19.91	19.87	19.81			
5	QPSK	12	13	20.05	19.97	19.92			
5	QPSK	25	0	19.95	19.99	19.90	21.5	1	
5	16QAM	1	0	19.99	19.83	19.91			
5	16QAM	1	12	19.82	19.88	19.78			
5	16QAM	1	24	19.98	20.08	19.76	20.5	2	
5	16QAM	12	0	19.13	18.98	18.88			
5	16QAM	12	7	18.87	19.03	19.09			
5	16QAM	12	13	18.80	18.83	18.82	20.5	2	
5	16QAM	25	0	19.02	18.90	18.74			
5	64QAM	1	0	18.80	18.86	19.03	20.5	2	
5	64QAM	1	12	19.07	18.94	18.79			
5	64QAM	1	24	18.86	18.90	18.73			
5	64QAM	12	0	17.84	18.09	18.13	19.5	3	
5	64QAM	12	7	18.09	17.99	17.87			
5	64QAM	12	13	17.74	17.97	18.01			
5	64QAM	25	0	17.87	17.95	17.93	17.5	5	
5	256QAM	1	0	16.10	15.97	16.03			
5	256QAM	1	12	15.81	15.76	15.89			
5	256QAM	1	24	16.15	15.95	15.86	17.5	5	
5	256QAM	12	0	15.91	15.72	15.76			
5	256QAM	12	7	15.88	15.79	15.70			
5	256QAM	12	13	16.08	16.03	15.84	17.5	5	
5	256QAM	25	0	16.02	16.04	15.79			

Band 48 Ant11 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	18.63	18.73	18.75	18.63	20	0
20	QPSK	1	49	18.55	18.71	18.55	18.52		
20	QPSK	1	99	18.70	18.60	18.58	18.57		
20	QPSK	50	0	17.72	17.85	17.87	17.64		
20	QPSK	50	24	17.79	17.61	17.63	17.71	19	1
20	QPSK	50	50	17.65	17.65	17.71	17.78		
20	QPSK	100	0	17.76	17.82	17.88	17.74		
20	16QAM	1	0	17.81	17.57	17.77	17.73		
20	16QAM	1	49	17.85	17.89	17.85	17.83	19	1
20	16QAM	1	99	17.76	17.87	17.86	17.82		
20	16QAM	50	0	16.67	16.68	16.81	16.72		
20	16QAM	50	24	16.68	16.77	16.67	16.83		
20	16QAM	50	50	16.83	16.74	16.63	16.64	18	2
20	16QAM	100	0	16.67	16.70	16.73	16.83		
20	64QAM	1	0	16.63	16.45	16.66	16.48		
20	64QAM	1	49	16.58	16.66	16.41	16.56		
20	64QAM	1	99	16.41	16.38	16.40	16.58	18	2
20	64QAM	50	0	15.78	15.68	15.79	15.74		
20	64QAM	50	24	15.67	15.90	15.88	15.74		
20	64QAM	50	50	15.75	15.66	15.72	15.71		
20	64QAM	100	0	15.77	15.79	15.77	15.94	17	3
20	256QAM	1	0	13.66	13.74	13.49	13.60		
20	256QAM	1	49	13.61	13.80	13.64	13.64		
20	256QAM	1	99	13.77	13.53	13.49	13.61		
20	256QAM	50	0	13.82	13.86	13.54	13.55	15	5
20	256QAM	50	24	13.89	13.51	13.63	13.61		
20	256QAM	50	50	13.71	13.57	13.82	13.86		
20	256QAM	100	0	13.76	13.77	13.80	13.83		
Channel				55315	55820	56160	56655		
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	18.48	18.30	18.46	18.53	20	0
15	QPSK	1	37	18.48	18.50	18.40	18.52		
15	QPSK	1	74	18.61	18.40	18.46	18.61		
15	QPSK	36	0	17.58	17.54	17.60	17.60		
15	QPSK	36	20	17.71	17.59	17.64	17.62	19	1
15	QPSK	36	39	17.61	17.70	17.72	17.82		
15	QPSK	75	0	17.67	17.66	17.73	17.71		
15	16QAM	1	0	17.62	17.51	17.70	17.71		
15	16QAM	1	37	17.77	17.76	17.75	17.70	19	1
15	16QAM	1	74	17.68	17.63	17.82	17.79		
15	16QAM	36	0	16.64	16.45	16.61	16.58		
15	16QAM	36	20	16.48	16.71	16.75	16.68		
15	16QAM	36	39	16.58	16.72	16.59	16.51	18	2
15	16QAM	75	0	16.46	16.61	16.60	16.62		
15	64QAM	1	0	16.46	16.33	16.68	16.47		
15	64QAM	1	37	16.61	16.67	16.36	16.61		
15	64QAM	1	74	16.43	16.37	16.45	16.37	18	2
15	64QAM	36	0	15.76	15.61	15.78	15.71		
15	64QAM	36	20	15.55	15.77	15.75	15.67		
15	64QAM	36	39	15.50	15.58	15.68	15.57		
15	64QAM	75	0	15.56	15.61	15.55	15.84	17	3
15	256QAM	1	0	13.56	13.37	13.48	13.60		
15	256QAM	1	37	13.40	13.46	13.52	13.63		
15	256QAM	1	74	13.60	13.43	13.44	13.71		
15	256QAM	36	0	13.63	13.64	13.71	13.61	15	5
15	256QAM	36	20	13.61	13.59	13.63	13.64		
15	256QAM	36	39	13.69	13.58	13.77	13.83		
15	256QAM	75	0	13.59	13.78	13.67	13.60		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	18.45	18.35	18.49	18.63	20	0
10	QPSK	1	25	18.41	18.72	18.48	18.33		
10	QPSK	1	49	18.60	18.49	18.60	18.66		
10	QPSK	25	0	17.63	17.63	17.41	17.57		
10	QPSK	25	12	17.67	17.76	17.66	17.49	19	1
10	QPSK	25	25	17.52	17.42	17.54	17.58		
10	QPSK	50	0	17.81	17.51	17.66	17.66		
10	16QAM	1	0	17.86	17.59	17.72	17.66		
10	16QAM	1	25	17.87	17.78	17.78	17.93	19	1
10	16QAM	1	49	17.55	17.71	17.89	17.83		
10	16QAM	25	0	16.68	16.55	16.70	16.67		
10	16QAM	25	12	16.49	16.56	16.67	16.83		
10	16QAM	25	25	16.83	16.60	16.56	16.58	18	2
10	16QAM	50	0	16.60	16.56	16.74	16.78		
10	64QAM	1	0	16.43	16.41	16.47	16.32		
10	64QAM	1	25	16.35	16.67	16.43	16.44		
10	64QAM	1	49	16.44	16.37	16.36	16.38	18	2
10	64QAM	25	0	15.58	15.68	15.58	15.56		
10	64QAM	25	12	15.53	15.71	15.79	15.77		
10	64QAM	25	25	15.63	15.44	15.69	15.74		
10	64QAM	50	0	15.71	15.54	15.56	15.84	17	3
10	256QAM	1	0	13.50	13.38	13.41	13.66		
10	256QAM	1	25	13.33	13.64	13.53	13.42		
10	256QAM	1	49	13.70	13.40	13.71	13.62		
10	256QAM	25	0	13.54	13.57	13.52	13.48	15	5
10	256QAM	25	12	13.79	13.75	13.62	13.49		
10	256QAM	25	25	13.42	13.48	13.58	13.60		
10	256QAM	50	0	13.74	13.60	13.70	13.55		
Channel				55225	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3692.5		
5	QPSK	1	0	18.54	18.50	18.48	18.67	20	0
5	QPSK	1	12	18.36	18.57	18.41	18.49		
5	QPSK	1	24	18.62	18.50	18.45	18.72		
5	QPSK	12	0	17.63	17.51	17.57	17.41		
5	QPSK	12	7	17.73	17.59	17.60	17.61	19	1
5	QPSK	12	13	17.45	17.43	17.65	17.68		
5	QPSK	25	0	17.66	17.75	17.52	17.82		
5	16QAM	1	0	17.60	17.56	17.79	17.74		
5	16QAM	1	12	17.78	17.77	17.79	17.77	19	1
5	16QAM	1	24	17.51	17.67	17.89	17.78		
5	16QAM	12	0	16.55	16.48	16.63	16.75		
5	16QAM	12	7	16.59	16.66	16.69	16.60		
5	16QAM	12	13	16.83	16.54	16.68	16.45	18	2
5	16QAM	25	0	16.61	16.58	16.71	16.85		
5	64QAM	1	0	16.39	16.48	16.57	16.28		
5	64QAM	1	12	16.62	16.59	16.34	16.38		
5	64QAM	12	0	15.58	15.65	15.81	15.79	18	2
5	64QAM	12	7	15.54	15.80	15.69	15.55		
5	64QAM	12	13	15.77	15.61	15.59	15.56		
5	64QAM	25	0	15.64	15.74	15.74	15.88		
5	256QAM	1	0	13.61	13.51	13.37	13.55	17	3
5	256QAM	1	12	13.38	13.62	13.43	13.61		
5	256QAM	1	24	13.66	13.42	13.57	13.66		
5	256QAM	12	0	13.62	13.61	13.58	13.51		
5	256QAM	12	7	13.73	13.65	13.71	13.62	15	5
5	256QAM	12	13	13.56	13.50	13.63	13.58		
5	256QAM	25	0	13.60	13.83	13.46	13.80		
5	256QAM	25	0	13.60	13.83	13.46	13.80		

Band 42 Ant12 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.33	20.35	20.27			
20	QPSK	1	49	20.12	20.20	20.16	22	0	
20	QPSK	1	99	20.21	20.19	20.20			
20	QPSK	50	0	19.38	19.41	19.36			
20	QPSK	50	24	19.33	19.33	19.32	21	1	
20	QPSK	50	50	19.30	19.27	19.26			
20	QPSK	100	0	19.29	19.34	19.23			
20	16QAM	1	0	19.26	19.45	19.28	21	1	
20	16QAM	1	49	19.39	19.37	19.14			
20	16QAM	1	99	19.25	19.44	19.34			
20	16QAM	50	0	18.46	18.33	18.37	20	2	
20	16QAM	50	24	18.35	18.33	18.25			
20	16QAM	50	50	18.22	18.30	18.22			
20	16QAM	100	0	18.33	18.29	18.35	20	2	
20	64QAM	1	0	18.20	18.17	18.28			
20	64QAM	1	49	18.07	18.19	18.22			
20	64QAM	1	99	18.12	18.10	18.21	19	3	
20	64QAM	50	0	17.40	17.38	17.36			
20	64QAM	50	24	17.37	17.29	17.22			
20	64QAM	50	50	17.23	17.25	17.21	17	5	
20	64QAM	100	0	17.38	17.23	17.21			
20	256QAM	1	0	15.35	15.41	15.26			
20	256QAM	1	49	15.19	15.09	15.11	17	5	
20	256QAM	1	99	15.12	15.29	15.25			
20	256QAM	50	0	15.43	15.50	15.37			
20	256QAM	50	24	15.33	15.40	15.30	17	5	
20	256QAM	50	50	15.36	15.25	15.36			
20	256QAM	100	0	15.30	15.28	15.19			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.13	20.20	20.10			
15	QPSK	1	37	20.12	20.07	20.05	22	0	
15	QPSK	1	74	20.05	20.13	20.03			
15	QPSK	36	0	19.27	19.28	19.34	21	1	
15	QPSK	36	20	19.25	19.26	19.25			
15	QPSK	36	39	19.22	19.10	19.09			
15	QPSK	75	0	19.23	19.13	19.15	21	1	
15	16QAM	1	0	19.19	19.36	19.20			
15	16QAM	1	37	19.31	19.23	19.03			
15	16QAM	1	74	19.08	19.31	19.20	20	2	
15	16QAM	36	0	18.40	18.23	18.30			
15	16QAM	36	20	18.22	18.24	18.07			
15	16QAM	36	39	18.15	18.17	18.04	20	2	
15	16QAM	75	0	18.29	18.17	18.24			
15	64QAM	1	0	18.03	18.06	18.16			
15	64QAM	1	37	18.08	18.15	18.26	19	3	
15	64QAM	1	74	18.10	18.17	18.01			
15	64QAM	36	0	17.35	17.33	17.19			
15	64QAM	36	20	17.33	17.13	17.14	17	5	
15	64QAM	36	39	17.12	17.21	17.16			
15	64QAM	75	0	17.25	17.18	17.11			
15	256QAM	1	0	15.20	15.29	15.05	17	5	
15	256QAM	1	37	15.07	15.00	15.08			
15	256QAM	1	74	15.05	15.16	15.00			
15	256QAM	36	0	15.24	15.24	15.35	17	5	
15	256QAM	36	20	15.28	15.24	15.35			
15	256QAM	36	39	15.25	15.11	15.23			
15	256QAM	75	0	15.30	15.18	15.12			
Channel				42160	42590	43010			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.12	20.08	20.10	22	0	
10	QPSK	1	25	20.00	20.07	20.06			
10	QPSK	1	49	20.08	20.13	20.06			
10	QPSK	25	0	19.18	19.08	19.12	21	1	
10	QPSK	25	12	19.09	19.14	19.13			
10	QPSK	25	25	19.23	19.11	19.09			
10	QPSK	50	0	19.16	19.20	19.08	21	1	
10	16QAM	1	0	19.11	19.35	19.12			
10	16QAM	1	25	19.42	19.40	19.09			
10	16QAM	1	49	19.00	19.15	19.12	20	2	
10	16QAM	25	0	18.27	18.11	18.14			
10	16QAM	25	12	18.17	18.14	18.00			
10	16QAM	25	25	18.13	18.19	18.05	20	2	
10	16QAM	50	0	18.16	18.12	18.15			
10	64QAM	1	0	18.11	18.03	18.17			
10	64QAM	1	25	18.10	18.25	18.26	19	3	
10	64QAM	1	49	18.09	18.18	18.08			
10	64QAM	25	0	17.24	17.19	17.07			
10	64QAM	25	12	17.22	17.20	17.10	17	5	
10	64QAM	25	25	17.10	17.14	17.15			
10	64QAM	50	0	17.18	17.04	17.04			
10	256QAM	1	0	15.13	15.18	15.07	17	5	
10	256QAM	1	25	15.06	15.19	15.07			
10	256QAM	1	49	15.11	15.10	15.16			
10	256QAM	25	0	15.17	15.09	15.12	17	5	
10	256QAM	25	12	15.01	15.03	15.23			
10	256QAM	25	25	15.33	15.19	15.11			
10	256QAM	50	0	15.25	15.30	15.04			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.20	20.10	20.00	22	0	
5	QPSK	1	12	20.03	20.15	20.07			
5	QPSK	1	24	20.08	20.13	20.07			
5	QPSK	12	0	19.16	19.13	19.20	21	1	
5	QPSK	12	7	19.09	19.06	19.06			
5	QPSK	12	13	19.13	19.10	19.19			
5	QPSK	25	0	19.23	19.20	19.07	21	1	
5	16QAM	1	0	19.10	19.30	19.24			
5	16QAM	1	12	19.27	19.27	19.03			
5	16QAM	1	24	19.06	19.27	19.04	20	2	
5	16QAM	12	0	18.26	18.13	18.15			
5	16QAM	12	7	18.05	18.13	18.01			
5	16QAM	12	13	18.06	18.23	18.18	20	2	
5	16QAM	25	0	18.13	18.08	18.06			
5	64QAM	1	0	18.14	18.04	18.22			
5	64QAM	1	12	18.10	18.22	18.21	19	3	
5	64QAM	1	24	18.03	18.12	18.06			
5	64QAM	12	0	17.15	17.09	17.13			
5	64QAM	12	7	17.27	17.13	17.11	17	5	
5	64QAM	12	13	17.14	17.10	17.14			
5	64QAM	25	0	17.21	17.06	17.05			
5	256QAM	1	0	15.34	15.22	15.01	17	5	
5	256QAM	1	12	15.05	15.10	15.03			
5	256QAM	1	24	15.32	15.17	15.10			
5	256QAM	12	0	15.18	15.13	15.31	17	5	
5	256QAM	12	7	15.10	15.07	15.08			
5	256QAM	12	13	15.06	15.17	15.28			
5	256QAM	25	0	15.23	15.09	15.11			

Band 48 Ant12 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	17.69	17.78	17.79	17.58	19.5	0
20	QPSK	1	49	17.72	17.72	17.59	17.67		
20	QPSK	1	99	17.74	17.74	17.54	17.63		
20	QPSK	50	0	16.89	16.93	16.99	16.90		
20	QPSK	50	24	16.87	16.88	16.81	16.90	18.5	1
20	QPSK	50	50	16.75	16.78	16.85	16.79		
20	QPSK	100	0	16.81	16.86	16.87	16.83		
20	16QAM	1	0	16.96	16.77	16.84	16.80		
20	16QAM	1	49	16.59	16.72	16.68	16.86	18.5	1
20	16QAM	1	99	16.60	16.73	16.71	16.61		
20	16QAM	50	0	15.92	15.91	15.84	15.93		
20	16QAM	50	24	15.86	15.96	15.90	15.82		
20	16QAM	50	50	15.76	15.83	15.84	15.81	17.5	2
20	16QAM	100	0	15.91	15.83	15.89	15.79		
20	64QAM	1	0	15.74	15.69	15.75	15.71		
20	64QAM	1	49	15.78	15.77	15.67	15.50		
20	64QAM	1	99	15.54	15.65	15.66	15.56	17.5	2
20	64QAM	50	0	14.82	14.99	14.84	14.81		
20	64QAM	50	24	14.85	14.82	14.95	14.93		
20	64QAM	50	50	14.68	14.84	14.80	14.85		
20	64QAM	100	0	14.90	14.80	14.87	14.81	16.5	3
20	256QAM	1	0	12.69	12.76	12.76	12.59		
20	256QAM	1	49	12.73	12.82	12.60	12.66		
20	256QAM	1	99	12.70	12.54	12.65	12.64		
20	256QAM	50	0	12.94	12.86	12.80	12.81	14.5	5
20	256QAM	50	24	12.86	12.80	12.76	12.81		
20	256QAM	50	50	12.76	12.88	12.86	12.67		
20	256QAM	100	0	12.88	12.81	12.91	12.84		
Channel				55315	55820	56160	56655		
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	17.76	17.71	17.75	17.58	19.5	0
15	QPSK	1	37	17.86	17.77	17.76	17.64		
15	QPSK	1	74	17.72	17.81	17.56	17.61		
15	QPSK	36	0	16.79	16.83	16.85	16.84		
15	QPSK	36	20	16.71	16.71	16.66	16.77	18.5	1
15	QPSK	36	39	16.58	16.62	16.72	16.69		
15	QPSK	75	0	16.72	16.76	16.70	16.76		
15	16QAM	1	0	16.77	16.60	16.79	16.74		
15	16QAM	1	37	16.54	16.55	16.62	16.72	18.5	1
15	16QAM	1	74	16.64	16.78	16.67	16.57		
15	16QAM	36	0	15.81	15.79	15.75	15.84		
15	16QAM	36	20	15.79	15.78	15.73	15.67		
15	16QAM	36	39	15.65	15.69	15.77	15.71	17.5	2
15	16QAM	75	0	15.83	15.70	15.72	15.67		
15	64QAM	1	0	15.57	15.65	15.78	15.67		
15	64QAM	1	37	15.72	15.83	15.56	15.52		
15	64QAM	1	74	15.52	15.59	15.51	15.54	17.5	2
15	64QAM	36	0	14.67	14.90	14.74	14.72		
15	64QAM	36	20	14.74	14.64	14.80	14.81		
15	64QAM	36	39	14.56	14.71	14.70	14.76		
15	64QAM	75	0	14.76	14.69	14.73	14.74	16.5	3
15	256QAM	1	0	12.83	12.59	12.86	12.63		
15	256QAM	1	37	12.72	12.91	12.62	12.60		
15	256QAM	1	74	12.81	12.50	12.52	12.50		
15	256QAM	36	0	12.81	12.75	12.81	12.93	14.5	5
15	256QAM	36	20	12.82	12.81	12.64	12.87		
15	256QAM	36	39	12.69	12.62	12.78	12.62		
15	256QAM	75	0	12.70	12.85	12.66	12.78		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	17.64	17.71	17.70	17.52	19.5	0
10	QPSK	1	25	17.66	17.75	17.59	17.61		
10	QPSK	1	49	17.67	17.70	17.55	17.67		
10	QPSK	25	0	16.89	16.77	16.84	16.75		
10	QPSK	25	12	16.73	16.81	16.74	16.80	18.5	1
10	QPSK	25	25	16.71	16.71	16.73	16.72		
10	QPSK	50	0	16.71	16.65	16.73	16.75		
10	16QAM	1	0	16.72	16.71	16.70	16.65		
10	16QAM	1	25	16.59	16.71	16.65	16.88	18.5	1
10	16QAM	1	49	16.59	16.69	16.73	16.63		
10	16QAM	25	0	15.75	15.75	15.73	15.86		
10	16QAM	25	12	15.81	15.90	15.74	15.76		
10	16QAM	25	25	15.66	15.76	15.73	15.70	17.5	2
10	16QAM	50	0	15.76	15.73	15.76	15.72		
10	64QAM	1	0	15.63	15.60	15.74	15.64		
10	64QAM	1	25	15.73	15.89	15.63	15.54		
10	64QAM	1	49	15.58	15.62	15.74	15.59	17.5	2
10	64QAM	25	0	14.65	14.85	14.72	14.76		
10	64QAM	25	12	14.69	14.68	14.86	14.89		
10	64QAM	25	25	14.56	14.78	14.69	14.70		
10	64QAM	50	0	14.81	14.76	14.70	14.64	16.5	3
10	256QAM	1	0	12.74	12.65	12.66	12.50		
10	256QAM	1	25	12.72	12.76	12.53	12.57		
10	256QAM	1	49	12.72	12.76	12.53	12.57		
10	256QAM	25	0	12.71	12.71	12.69	12.73	14.5	5
10	256QAM	25	12	12.74	12.77	12.78	12.82		
10	256QAM	25	25	12.62	12.71	12.77	12.76		
10	256QAM	50	0	12.67	12.58	12.62	12.75		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3692.5		
5	QPSK	1	0	17.67	17.68	17.62	17.56	19.5	0
5	QPSK	1	12	17.76	17.67	17.59	17.63		
5	QPSK	1	24	17.64	17.74	17.70	17.61		
5	QPSK	12	0	16.85	16.85	16.73	16.73		
5	QPSK	12	7	16.70	16.73	16.72	16.76	18.5	1
5	QPSK	12	13	16.70	16.73	16.74	16.62		
5	QPSK	25	0	16.77	16.65	16.68	16.79		
5	16QAM	1	0	16.76	16.69	16.76	16.70		
5	16QAM	1	12	16.59	16.76	16.63	16.88	18.5	1
5	16QAM	1	24	16.58	16.80	16.74	16.66		
5	16QAM	12	0	15.75	15.86	15.79	15.77		
5	16QAM	12	7	15.69	15.91	15.76	15.76		
5	16QAM	12	13	15.70	15.69	15.66	15.64	17.5	2
5	16QAM	25	0	15.83	15.66	15.77	15.65		
5	64QAM	1	0	15.59	15.51	15.70	15.74		
5	64QAM	1	12	15.72	15.84	15.69	15.50		
5	64QAM	1	24	15.59	15.70	15.69	15.53	16.5	3
5	64QAM	12	7	14.76	14.90	14.68	14.63		
5	64QAM	12	7	14.75	14.66	14.78	14.85		
5	64QAM	12	13	14.55	14.74	14.73	14.79		
5	64QAM	25	0	14.80	14.65	14.74	14.70	14.5	5
5	256QAM	1	0	12.75	12.57	12.78	12.64		
5	256QAM	1	12	12.70	12.81	12.68	12.61		
5	256QAM	1	24	12.60	12.57	12.56	12.65		
5	256QAM	12	0	12.81	12.77	12.83	12.62	14.5	5
5	256QAM	12	7	12.73	12.73	12.62	12.77		
5	256QAM	12	13	12.76	12.70	12.67	12.70		
5	256QAM	25	0	12.84	12.69	12.79	12.75		

Band 42 Ant13 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	19.84	19.96	19.65			
20	QPSK	1	49	19.85	19.83	19.80	20.7	0	
20	QPSK	1	99	19.73	19.85	19.50			
20	QPSK	50	0	19.77	19.90	19.83			
20	QPSK	50	24	19.75	19.87	19.84	20.7	0	
20	QPSK	50	50	19.72	19.74	19.62			
20	QPSK	100	0	19.79	19.80	19.77			
20	16QAM	1	0	19.77	19.86	19.71	20.7	0	
20	16QAM	1	49	19.75	19.52	19.52			
20	16QAM	1	99	19.78	19.82	19.54			
20	16QAM	50	0	19.52	19.80	19.80	20.7	0	
20	16QAM	50	24	19.71	19.90	19.78			
20	16QAM	50	50	19.63	19.82	19.68			
20	16QAM	100	0	19.79	19.89	19.79	20.7	0	
20	64QAM	1	0	19.72	19.62	19.63			
20	64QAM	1	49	19.86	19.65	19.69			
20	64QAM	1	99	19.86	19.81	19.50	20.7	0	
20	64QAM	50	0	19.80	19.64	19.66			
20	64QAM	50	24	19.76	19.81	19.91			
20	64QAM	50	50	19.78	19.66	19.62	20.7	0	
20	64QAM	100	0	19.69	19.87	19.93			
20	256QAM	1	0	19.58	19.74	19.49			
20	256QAM	1	49	19.81	19.70	19.63	20.7	0	
20	256QAM	1	99	19.60	19.78	19.37			
20	256QAM	50	0	19.78	19.65	19.71			
20	256QAM	50	24	19.60	19.83	19.73	20.7	0	
20	256QAM	50	50	19.61	19.92	19.50			
20	256QAM	100	0	19.46	19.74	19.66			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.53	19.76	19.51			
15	QPSK	1	37	19.70	19.81	19.61	20.7	0	
15	QPSK	1	74	19.53	19.67	19.52			
15	QPSK	36	0	19.49	19.81	19.78	20.7	0	
15	QPSK	36	20	19.88	19.96	19.71			
15	QPSK	36	39	19.54	19.77	19.71			
15	QPSK	75	0	19.62	19.84	19.78	20.7	0	
15	16QAM	1	0	19.61	19.66	19.62			
15	16QAM	1	37	19.66	19.56	19.46			
15	16QAM	1	74	19.59	19.73	19.41	20.7	0	
15	16QAM	36	0	19.47	19.74	19.65			
15	16QAM	36	20	19.63	19.86	19.77			
15	16QAM	36	39	19.52	19.71	19.60	20.7	0	
15	16QAM	75	0	19.54	19.80	19.64			
15	64QAM	1	0	19.64	19.65	19.51			
15	64QAM	1	37	19.69	19.46	19.52	20.7	0	
15	64QAM	1	74	19.76	19.68	19.42			
15	64QAM	36	0	19.59	19.64	19.64			
15	64QAM	36	20	19.68	19.76	19.78	20.7	0	
15	64QAM	36	39	19.66	19.54	19.50			
15	64QAM	75	0	19.40	19.78	19.73			
15	256QAM	1	0	19.60	19.59	19.55	20.7	0	
15	256QAM	1	37	19.77	19.60	19.45			
15	256QAM	1	74	19.66	19.65	19.38			
15	256QAM	36	0	19.73	19.43	19.49	20.7	0	
15	256QAM	36	20	19.62	19.65	19.59			
15	256QAM	36	39	19.45	19.66	19.37			
15	256QAM	75	0	19.53	19.58	19.49	Tune-up limit (dBm)	MPR (dB)	
Channel				42160	42590	43010			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	19.65	19.86	19.54	20.7	0	
10	QPSK	1	25	19.83	19.73	19.77			
10	QPSK	1	49	19.67	19.83	19.60			
10	QPSK	25	0	19.72	19.87	19.79	20.7	0	
10	QPSK	25	12	19.77	19.90	19.85			
10	QPSK	25	25	19.59	19.80	19.60			
10	QPSK	50	0	19.63	19.75	19.74	20.7	0	
10	16QAM	1	0	19.58	19.73	19.58			
10	16QAM	1	25	19.57	19.44	19.56			
10	16QAM	1	49	19.68	19.73	19.54	20.7	0	
10	16QAM	25	0	19.59	19.73	19.57			
10	16QAM	25	12	19.76	19.86	19.83			
10	16QAM	25	25	19.39	19.53	19.50	20.7	0	
10	16QAM	50	0	19.75	19.79	19.63			
10	64QAM	1	0	19.55	19.65	19.68			
10	64QAM	1	25	19.78	19.53	19.54	20.7	0	
10	64QAM	1	49	19.80	19.62	19.53			
10	64QAM	25	0	19.75	19.60	19.61			
10	64QAM	25	12	19.74	19.62	19.76	20.7	0	
10	64QAM	25	25	19.55	19.69	19.68			
10	64QAM	50	0	19.40	19.79	19.63			
10	256QAM	1	0	19.61	19.55	19.41	20.7	0	
10	256QAM	1	25	19.63	19.72	19.63			
10	256QAM	1	49	19.72	19.55	19.38			
10	256QAM	25	0	19.68	19.63	19.55	20.7	0	
10	256QAM	25	12	19.63	19.66	19.67			
10	256QAM	25	25	19.47	19.64	19.44			
10	256QAM	50	0	19.35	19.68	19.48	Tune-up limit (dBm)	MPR (dB)	
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.58	19.83	19.56	20.7	0	
5	QPSK	1	12	19.66	19.80	19.64			
5	QPSK	1	24	19.61	19.68	19.38			
5	QPSK	12	0	19.54	19.86	19.89	20.7	0	
5	QPSK	12	7	19.78	19.92	19.67			
5	QPSK	12	13	19.66	19.57	19.61			
5	QPSK	25	0	19.69	19.79	19.69	20.7	0	
5	16QAM	1	0	19.51	19.62	19.52			
5	16QAM	1	12	19.67	19.49	19.46			
5	16QAM	1	24	19.52	19.70	19.53	20.7	0	
5	16QAM	12	0	19.46	19.75	19.63			
5	16QAM	12	7	19.74	19.80	19.73			
5	16QAM	12	13	19.51	19.71	19.56	20.7	0	
5	16QAM	25	0	19.52	19.72	19.61			
5	64QAM	1	0	19.57	19.70	19.65			
5	64QAM	1	12	19.74	19.54	19.72	20.7	0	
5	64QAM	1	24	19.80	19.52	19.45			
5	64QAM	12	0	19.57	19.74	19.63			
5	64QAM	12	7	19.58	19.66	19.83	20.7	0	
5	64QAM	12	13	19.58	19.56	19.67			
5	64QAM	25	0	19.31	19.73	19.62			
5	256QAM	1	0	19.60	19.74	19.35	20.7	0	
5	256QAM	1	12	19.62	19.69	19.64			
5	256QAM	1	24	19.60	19.73	19.43			
5	256QAM	12	0	19.71	19.53	19.68	20.7	0	
5	256QAM	12	7	19.67	19.71	19.66			
5	256QAM	12	13	19.41	19.66	19.31			
5	256QAM	25	0	19.52	19.74	19.60			

Band 48 Ant13 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel frequency (MHz)				55340	55830	56150	56640		
				3560	3609	3641	3690		
20	QPSK	1	0	19.30	19.41	19.47	19.37	20.5	0
20	QPSK	1	49	19.32	19.23	19.28	19.14		
20	QPSK	1	99	19.42	19.37	19.19	19.21		
20	QPSK	50	0	19.20	19.38	19.45	19.31		
20	QPSK	50	24	19.30	19.38	19.42	19.32	20.5	0
20	QPSK	50	50	19.31	19.28	19.19	19.38		
20	QPSK	100	0	19.41	19.39	19.42	19.34		
20	16QAM	1	0	19.03	18.93	19.13	19.24		
20	16QAM	1	49	19.03	18.98	19.20	19.21	20.5	0
20	16QAM	1	99	19.22	19.33	19.00	19.20		
20	16QAM	50	0	19.09	19.25	19.28	19.37		
20	16QAM	50	24	19.10	19.07	19.14	19.16		
20	16QAM	50	50	19.17	19.42	19.02	19.28	20.5	0
20	16QAM	100	0	19.41	19.19	19.35	19.20		
20	64QAM	1	0	19.19	19.06	19.24	19.14		
20	64QAM	1	49	19.98	19.27	18.97	19.15		
20	64QAM	1	99	19.34	19.23	19.01	19.18	20.5	0
20	64QAM	50	0	19.12	19.20	19.31	19.37		
20	64QAM	50	24	19.17	19.28	19.39	19.21		
20	64QAM	50	50	19.14	19.32	19.18	19.19		
20	64QAM	100	0	19.45	19.27	19.21	19.27	18.5	2
20	256QAM	1	0	17.39	17.24	17.01	17.27		
20	256QAM	1	49	17.17	17.22	16.97	17.11		
20	256QAM	1	99	17.26	17.18	17.23	17.25		
20	256QAM	50	0	17.24	17.26	17.23	17.41	18.5	2
20	256QAM	50	24	17.05	17.31	17.51	17.43		
20	256QAM	50	50	17.32	17.45	17.10	17.22		
20	256QAM	100	0	17.31	17.35	17.23	17.38		
Channel frequency (MHz)				55315	55820	56160	56655	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	3557.5	3608	3642	3692.5	20.5	0
15	QPSK	1	37	19.22	19.34	19.26	19.21		
15	QPSK	1	99	19.27	19.14	19.09	19.11		
15	QPSK	1	74	19.36	19.37	19.16	19.08		
15	QPSK	36	0	19.13	19.27	19.41	19.27	20.5	0
15	QPSK	36	20	19.22	19.16	19.40	19.18		
15	QPSK	36	39	19.20	19.19	19.02	19.26		
15	QPSK	75	0	19.23	19.30	19.21	19.19		
15	16QAM	1	0	18.95	18.72	19.08	19.09	20.5	0
15	16QAM	1	37	18.89	18.98	19.03	19.12		
15	16QAM	1	74	19.20	19.20	18.95	19.20		
15	16QAM	36	0	19.02	19.10	19.12	19.31		
15	16QAM	36	20	19.00	19.02	19.08	19.20	20.5	0
15	16QAM	36	39	18.98	19.19	18.93	19.09		
15	16QAM	75	0	19.25	19.12	19.26	19.03		
15	64QAM	1	0	19.17	18.91	19.12	19.02		
15	64QAM	1	37	18.88	18.29	18.96	19.08	20.5	0
15	64QAM	1	74	19.26	19.04	18.83	19.20		
15	64QAM	36	0	19.13	19.03	19.22	19.23		
15	64QAM	36	20	19.03	19.20	19.22	19.00		
15	64QAM	36	39	18.98	19.28	19.08	19.00	20.5	0
15	64QAM	75	0	19.28	19.29	19.09	19.18		
15	256QAM	1	0	17.30	17.04	16.95	17.07		
15	256QAM	1	37	16.98	17.20	16.90	16.92		
15	256QAM	1	74	17.09	17.07	17.20	17.05	18.5	2
15	256QAM	36	0	17.11	17.11	17.07	17.20		
15	256QAM	36	20	16.88	17.14	17.30	17.29		
15	256QAM	36	39	17.34	17.22	16.95	17.17		
15	256QAM	75	0	17.12	17.19	17.08	17.17		
Channel Frequency (MHz)				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	19.22	19.34	19.36	19.35	20.5	0
10	QPSK	1	25	19.22	19.12	19.26	19.03		
10	QPSK	1	49	19.28	19.24	19.05	19.16		
10	QPSK	25	0	19.03	19.29	19.38	19.10		
10	QPSK	25	12	19.09	19.33	19.30	19.22	20.5	0
10	QPSK	25	25	19.18	19.25	19.20	19.22		
10	QPSK	50	0	19.31	19.25	19.42	19.13		
10	16QAM	1	0	18.97	18.89	19.10	19.10		
10	16QAM	1	25	18.85	18.95	19.19	19.12	20.5	0
10	16QAM	1	49	19.22	19.11	18.83	19.16		
10	16QAM	25	0	19.07	19.14	19.27	19.13		
10	16QAM	25	12	19.07	18.86	19.14	19.09		
10	16QAM	25	25	19.08	19.26	19.00	19.06	20.5	0
10	16QAM	50	0	19.15	19.04	19.13	19.00		
10	64QAM	1	0	19.02	18.84	19.10	19.10		
10	64QAM	1	25	18.99	19.26	18.85	19.08		
10	64QAM	1	49	19.14	19.19	18.94	19.02	20.5	0
10	64QAM	25	0	18.90	19.08	19.20	19.31		
10	64QAM	25	12	19.06	19.25	19.21	19.10		
10	64QAM	25	25	18.99	19.15	18.98	19.04		
10	64QAM	50	0	19.23	19.25	19.16	19.05	18.5	2
10	256QAM	1	0	17.24	17.12	17.00	17.09		
10	256QAM	1	25	17.10	17.01	16.91	16.90		
10	256QAM	1	49	17.26	17.02	17.08	17.24		
10	256QAM	25	0	17.24	17.21	17.21	17.27	18.5	2
10	256QAM	25	12	17.00	17.24	17.37	17.41		
10	256QAM	25	25	17.15	17.35	16.99	17.14		
10	256QAM	50	0	17.25	17.26	17.13	17.18		
Channel frequency (MHz)				55295	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	3552.5	3607	3643	3692.5	20.5	0
5	QPSK	1	12	19.18	19.30	19.41	19.30		
5	QPSK	1	24	19.25	19.24	19.16	19.12		
5	QPSK	12	0	19.16	19.38	19.24	19.28		
5	QPSK	12	7	19.15	19.34	19.28	19.27	20.5	0
5	QPSK	12	13	19.17	19.25	19.20	19.18		
5	QPSK	25	0	19.28	19.35	19.35	19.14		
5	16QAM	1	0	19.00	18.93	19.02	19.15		
5	16QAM	1	12	18.99	18.85	19.04	19.01	20.5	0
5	16QAM	1	24	19.15	19.11	19.01	19.05		
5	16QAM	12	0	18.93	19.12	19.15	19.24		
5	16QAM	12	7	18.96	19.07	19.11	19.13		
5	16QAM	12	13	19.14	19.29	18.88	19.30	20.5	0
5	16QAM	25	0	19.30	19.19	19.20	19.15		
5	64QAM	1	0	19.14	18.92	19.21	19.00		
5	64QAM	1	12	18.97	19.15	18.82	19.01		
5	64QAM	1	24	19.15	19.23	18.95	19.08	20.5	0
5	64QAM	12	0	18.95	19.12	19.24	19.29		
5	64QAM	12	7	19.12	19.16	19.32	19.17		
5	64QAM	12	13	19.02	19.27	19.11	19.14		
5	64QAM	25	0	19.35	19.25	19.17	19.25	18.5	2
5	256QAM	1	0	17.18	17.05	16.97	17.10		
5	256QAM	1	12	17.17	17.08	16.97	16.98		
5	256QAM	1	24	17.09	17.20	17.08	17.12		
5	256QAM	12	0	17.11	17.28	17.21	17.25	18.5	2
5	256QAM	12	7	16.97	17.19	17.43	17.34		
5	256QAM	12	13	17.23	17.42	17.05	17.02		
5	256QAM	25	0	17.29	17.15	17.06	17.39		

GSM850 Anti DSI5

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	32.72	32.86	32.88	33.50	23.72	23.86	23.88	24.50
GSM 1 Tx slot	32.81	32.87	32.97	33.50	23.81	23.87	23.97	24.50
GPRS 2 Tx slots	29.62	29.40	29.66	30.50	23.62	23.40	23.66	24.50
GPRS 3 Tx slots	27.75	27.77	27.82	28.50	23.49	23.51	23.56	24.24
GPRS 4 Tx slots	26.30	26.58	26.57	27.50	23.30	23.58	23.57	24.50
EDGE 1 Tx slot	26.21	26.70	27.05	27.50	17.71	17.70	18.05	18.50
EDGE 2 Tx slots	23.68	23.63	23.55	24.50	17.68	17.63	17.55	18.50
EDGE 3 Tx slots	21.74	22.01	22.03	23.00	17.48	17.75	17.77	18.74
EDGE 4 Tx slots	20.32	20.64	20.62	21.50	17.32	17.64	17.62	18.50

WCDMA V Anti DSI5

	Band	WCDMA V			Tune-up Limit (dBm)
	TX Channel	4132	4182	4233	
	Rx Channel	4357	4407	4458	
	Frequency (MHz)	826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.20	24.31	24.22	25.00
3GPP Rel 99	RMC 12.2Kbps	24.26	24.34	24.27	25.00
3GPP Rel 6	HSDPA Subtest-1	23.38	23.19	23.31	24.00
3GPP Rel 6	HSDPA Subtest-2	23.21	23.38	23.07	24.00
3GPP Rel 6	HSDPA Subtest-3	22.75	22.83	22.69	23.50
3GPP Rel 6	HSDPA Subtest-4	22.59	22.77	22.50	23.50
3GPP Rel 6	DC-HSDPA Subtest-1	23.35	23.25	23.23	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.10	23.36	23.09	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.89	22.88	22.79	23.50
3GPP Rel 6	DC-HSDPA Subtest-4	22.53	22.84	22.61	23.50
3GPP Rel 6	HSUPA Subtest-1	23.09	23.29	23.34	24.00
3GPP Rel 6	HSUPA Subtest-2	21.36	21.22	21.20	22.00
3GPP Rel 6	HSUPA Subtest-3	22.18	22.53	22.10	23.00
3GPP Rel 6	HSUPA Subtest-4	21.05	21.24	20.93	22.00
3GPP Rel 6	HSUPA Subtest-5	23.16	23.36	23.42	24.00



Band 4 Ant0 D515									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq.	Power Hsp Ch / Freq.	Power Mskn Ch / Freq.	Turn-up Time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.98	23.54	22.79			
20	QPSK	8	0	20.90	20.96	20.90			
20	QPSK	1	99	22.71	22.84	22.80	24.5	0	
20	QPSK	50	0	22.60	22.70	21.85			
20	QPSK	24	0	21.91	21.99	21.85	23.5	1	
20	QPSK	50	50	22.04	21.92	21.88			
20	QPSK	150	0	21.91	22.08	22.76			
20	QPSK	150	0	22.17	22.24	22.08			
20	16QAM	1	40	22.11	22.17	22.27	23.5	1	
20	16QAM	1	99	22.20	22.32	22.03			
20	16QAM	50	0	20.90	20.96	20.90			
20	16QAM	50	24	20.98	20.85	20.98	22.5	2	
20	16QAM	50	50	20.94	20.82	20.81			
20	16QAM	150	0	20.94	20.98	20.94			
20	16QAM	1	0	20.90	21.09	20.99			
20	16QAM	1	40	20.96	20.99	20.90	22.5	2	
20	16QAM	1	99	20.71	20.74	21.02			
20	16QAM	50	0	19.92	19.96	19.91			
20	16QAM	50	24	19.94	19.85	20.02	21.5	3	
20	16QAM	50	50	19.71	19.93	19.78			
20	256QAM	1	0	17.88	18.11	17.86			
20	256QAM	1	40	17.82	17.89	18.03	19.5	5	
20	256QAM	1	99	17.82	17.73	17.88			
20	256QAM	50	0	17.80	17.77	17.84			
20	256QAM	50	24	18.12	18.00	17.88	19.5	5	
20	256QAM	50	50	18.05	17.84	17.87			
20	256QAM	150	0	17.80	17.88	17.88			
Channel									
Frequency (MHz)									
16	QPSK	1	0	22.91	22.82	22.84			
16	QPSK	1	99	22.71	22.82	22.84	24.5	0	
16	QPSK	1	74	22.64	22.72	22.73			
16	QPSK	36	0	22.11	22.08	21.94			
16	QPSK	36	0	22.01	22.01	22.12	23.5	1	
16	QPSK	36	99	22.02	22.09	21.86			
16	16QAM	1	0	22.14	22.24	22.00			
16	16QAM	1	40	22.08	22.17	22.00	23.5	1	
16	16QAM	1	99	21.98	22.06	22.17			
16	16QAM	36	0	20.75	20.83	20.77			
16	16QAM	36	20	20.74	20.82	20.87	22.5	2	
16	16QAM	75	0	20.75	20.85	20.73			
16	16QAM	75	0	20.78	20.97	20.84	22.5	2	
16	16QAM	1	0	19.74	19.81	19.69			
16	16QAM	1	74	20.02	20.08	20.07			
16	16QAM	36	0	19.74	19.93	19.78			
16	16QAM	36	20	19.74	19.77	19.88	21.5	3	
16	16QAM	75	0	19.02	19.08	19.05			
16	16QAM	75	0	19.87	19.88	19.88			
16	256QAM	1	0	17.80	17.76	17.88	19.5	5	
16	256QAM	1	37	17.87	17.76	17.88			
16	256QAM	1	74	17.84	17.72	17.73			
16	256QAM	36	0	17.81	17.86	17.74			
16	256QAM	36	20	18.09	17.81	17.82	19.5	5	
16	256QAM	36	99	17.89	17.88	17.78			
16	256QAM	75	0	17.81	17.81	17.81			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.91	22.82	22.84			
10	QPSK	1	99	22.87	22.87	22.99	24.5	0	
10	QPSK	1	49	22.72	22.80	22.83			
10	QPSK	25	0	22.02	22.02	22.02	23.5	1	
10	QPSK	25	12	22.03	21.91	22.02			
10	QPSK	25	25	21.88	21.85	21.82			
10	16QAM	1	0	22.10	22.08	21.80			
10	16QAM	1	25	21.98	22.10	22.15	23.5	1	
10	16QAM	1	49	21.98	22.10	22.15			
10	16QAM	25	12	20.98	20.74	20.82	22.5	2	
10	16QAM	25	0	20.98	20.74	20.88			
10	16QAM	50	0	20.98	20.85	20.81			
10	16QAM	1	0	20.78	20.88	20.72	22.5	2	
10	16QAM	1	25	20.98	20.85	20.82			
10	16QAM	1	49	20.78	20.79	20.82			
10	16QAM	25	0	19.82	19.82	19.81			
10	16QAM	25	12	19.82	19.87	19.85	21.5	3	
10	16QAM	25	25	19.58	19.89	19.81			
10	16QAM	50	0	19.79	19.99	19.88			
10	16QAM	50	0	17.84	17.74	17.80			
10	256QAM	1	25	17.89	17.74	17.79	19.5	5	
10	256QAM	1	49	17.85	17.88	17.84			
10	256QAM	25	0	17.78	17.85	17.86			
10	256QAM	25	12	17.86	17.86	17.82	19.5	5	
10	256QAM	25	25	17.82	17.97	17.72			
10	256QAM	50	0	17.80	17.73	17.82			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.91	22.82	22.84			
3	QPSK	1	12	22.90	22.72	22.83	24.5	0	
3	QPSK	1	24	22.69	22.75	22.71			
3	QPSK	8	0	21.86	21.76	21.81			
3	QPSK	12	7	22.07	21.84	21.86	23.5	1	
3	QPSK	12	13	21.97	21.78	21.79			
3	16QAM	1	0	21.77	21.77	21.71			
3	16QAM	1	0	22.05	22.15	22.04	23.5	1	
3	16QAM	1	12	21.96	22.05	22.17			
3	16QAM	1	24	22.08	22.24	22.19			
3	16QAM	12	7	20.78	20.76	20.77	22.5	2	
3	16QAM	12	7	20.72	20.74	20.92			
3	16QAM	15	0	20.71	20.78	20.88			
3	16QAM	25	0	20.79	20.79	20.79			
3	16QAM	1	0	20.85	21.05	20.88	22.5	2	
3	16QAM	1	12	20.84	20.79	20.88			
3	16QAM	1	24	20.74	20.72	20.95			
3	16QAM	12	0	19.70	19.83	19.80	21.5	3	
3	16QAM	12	7	19.79	19.83	19.89			
3	16QAM	12	13	19.69	19.86	19.89			
3	16QAM	25	0	19.63	19.86	19.86			
3	256QAM	1	0	17.80	17.86	17.74	19.5	5	
3	256QAM	1	12	17.88	17.83	17.83			
3	256QAM	1	24	17.84	17.86	17.71			
3	256QAM	12	0	17.78	17.85	17.86			
3	256QAM	12	7	18.07	17.79	17.76	19.5	5	
3	256QAM	12	13	18.07	17.76	17.78			
3	256QAM	25	0	17.80	17.84	17.74			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.98	22.76	22.83			
1.4	QPSK	1	3	22.90	22.76	22.82	24.5	0	
1.4	QPSK	1	5	22.61	22.72	22.77			
1.4	QPSK	1	25	22.84	22.79	22.82			
1.4	QPSK	3	0	22.90	22.78	22.82			
1.4	16QAM	1	0	21.79	21.80	21.69	23.5	1	
1.4	16QAM	1	3	21.84	21.86	21.82			
1.4	16QAM	1	5	21.80	21.86	21.87	23.5	1	
1.4	16QAM	3	0	21.85	21.82	21.84			
1.4	16QAM	3	3	21.81	21.74	21.74			
1.4	16QAM	5	0	20.74	20.73	20.78	22.5	2	
1.4	16QAM	5	3	20.80	20.67	20.88			
1.4	16QAM	5	5	20.83	20.78	20.67	22.5	2	
1.4	16QAM	5	7	20.72	20.82	20.78			
1.4	16QAM	5	9	19.87	19.88	19.78	21.5	3	
1.4	256QAM	1	0	17.89	17.85	17.82			
1.4	256QAM	1	3	17.84	17.78	17.71	19.5	5	
1.4	256QAM	1	5	17.73	17.78	17.78			
1.4	256QAM	3	0	19.02	17.74	17.84			
1.4	256QAM	3	3	17.84	17.78	17.71			
1.4	256QAM	5	0	17.81	17.74	17.78	19.5	5	
1.4	256QAM	5	3	17.81	17.72	17.76			
1.4	256QAM	5	5	17.80	17.72	17.71	19.5	5	
1.4	256QAM	5	7	17.80	17.82	17.72			

Band 5 Ant0 D515									
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq.	Power Ch / Freq.	Power Ch / Freq.	Turn-up Time (sec)	MFR (dB)	
Channel									
Frequency (MHz)									
19	QPSK	1	0	24.17	24.24	24.20	25.5	0	
19	QPSK	1	25	24.12	24.20	24.04			
19	QPSK	1	49	23.88	24.10	24.06			
19	QPSK	25	0	23.23	23.32	23.17	24.5	1	
19	QPSK	25	13	23.31	23.13	23.23			
19	QPSK	25	25	23.27	23.26	23.24			
19	QPSK	50	0	23.22	23.26	23.21	23.5	2	
19	QPSK	50	0	23.58	23.68	23.56			
19	16QAM	1	25	23.52	23.45	23.35			
19	16QAM	1	49	23.44	23.57	23.35	22.5	2	
19	16QAM	25	0	22.23	22.32	22.14			
19	16QAM	25	12	22.24	22.18	22.26			
19	16QAM	25	25	22.26	22.14	22.27	20.5	5	
19	16QAM	50	0	22.17	22.12	22.25			
19	16QAM	50	0	22.37	22.59	22.53			
19	16QAM	1	25	22.64	22.57	22.46	22.5	2	
19	16QAM	25	0	22.18	22.22	22.11			
19	16QAM	25	13	22.19	22.10	22.15			
19	16QAM	25	25	22.13	22.10	22.15	22.5	3	
19	16QAM	50	0	21.21	21.12	21.25			
19	16QAM	50	0	21.47	21.34	21.45			
19	16QAM	1	25	19.18	19.27	19.11	20.5	5	
19	256QAM	1	49	18.94	19.04	19.19			
19	256QAM	1	25	19.31	19.21	19.15			
19	256QAM	12	12	19.38	19.24	19.28	20.5	5	
19	256QAM	25	25	19.26	19.18	19.33			
19	256QAM	50	50	19.22	19.34	19.18			
Channel									
Frequency (MHz)									
19	QPSK	1	0	24.15	24.22	24.15	25.5	0	
19	QPSK	1	12	24.11	24.10	24.01			
19	QPSK	1	24	23.77	23.84	23.97			
19	QPSK	1	48	23.68	23.77	23.87	24.5	1	
19	QPSK	25	0	23.25	23.24	23.24			
19	QPSK	12	12	23.18	23.18	23.12			
19	QPSK	15	15	23.15	23.15	23.12	24.5	1	
19	16QAM	1	0	23.44	23.56	23.42			
19	16QAM	1	12	23.47	23.34	23.25			
19	16QAM	1	24	23.22	23.33	23.24	24.5	1	
19	16QAM	12	0	22.10	22.09	22.01			
19	16QAM	12	7	22.18	22.14	22.10			
19	16QAM	15	0	22.19	22.09	22.08	23.5	2	
19	16QAM	15	0	22.18	22.06	22.25			
19	16QAM	1	0	22.30	22.51	22.27			
19	16QAM	1	0	22.38	22.59	22.56	23.5	2	
19	16QAM	1	24	22.45	22.48	22.23			
19	16QAM	12	0	21.18	21.14	21.27			
19	16QAM	12	0	21.18	21.18	21.28	22.5	3	
19	16QAM	12	19	21.26	21.05	21.27			
19	16QAM	25	0	21.17	21.17	21.17			
19	256QAM	1	0	19.17	19.14	19.15	20.5	5	
19	256QAM	1	12	19.04	19.19	18.88			
19	256QAM	1	24	19.07	18.86	19.05			
19	256QAM	12	12	19.02	19.15	19.15	20.5	5	
19	256QAM	12	7	19.28	18.88	19.23			
19	256QAM	15	15	19.27	18.98	19.23			
19	256QAM	1	0	19.04	19.14	19.11	20.5	5	
19	256QAM	1	12	19.04	19.14	19.11			
19	256QAM	1	24	19.04	19.14	19.11			
Channel									
Frequency (MHz)									
19	QPSK	1	0	24.01	24.04	24.07	25.5	0	
19	QPSK	1	8	24.14	24.08	23.96			
19	QPSK	1	16	24.07	24.07	24.07			
19	QPSK	8	8	23.17	23.19	23.05	24.5	1	
19	QPSK	8	4	23.24	22.87	23.15			
19	QPSK	16	16	23.15	23.17	23.15			
19	16QAM	1	0	23.51	23.58	23.55	24.5	1	
19	16QAM	1	8	23.58	23.52	23.48			
19	16QAM	1	16	23.33	23.52	23.45			
19	16QAM	8	8	22.09	22.16	21.96	23.5	2	
19	16QAM	8	4	22.18	22.18	22.12			
19	16QAM	16	16	22.12	22.09	22.18			
19	16QAM	15	0	22.15	22.08	22.22	23.5	2	
19	16QAM	15	8	22.32	22.48	22.28			
19	16QAM	1	8	22.59	22.59	22.59			
19	16QAM	1	14	22.45	22.49	22.39	22.5	3	
19	16QAM	1	17	22.17	22.11	22.16			
19	16QAM	8	4	21.24	21.02	21.31			
19	16QAM	15	7	21.42	21.07	21.24	22.5	3	
19	256QAM	1	0	19.10	19.13	19.21			
19	256QAM	1	8	19.10	19.19	19.19			
19	256QAM	1	14	19.10	19.19	19.19	20.5	5	
19	256QAM	1	16	19.08	18.86	19.05			
19	256QAM	8	7	19.20	19.13	19.15			
19	256QAM	15	0	19.03	18.85	19.14	20.5	5	
19	256QAM	15	8	19.03	18.85	19.14			
19	256QAM	15	16	19.03	18.85	19.14			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	24.07	23.97	24.06	25.5	0	
1.4	QPSK	1	8	24.14	24.06	23.98			
1.4	QPSK	1	16	23.85	24.07	24.04			
1.4	QPSK	8	8	23.96	24.00	23.91	24.5	1	
1.4	QPSK	8	4	23.98	23.79	23.91			
1.4	QPSK	16	16	24.01	23.95	23.95			
1.4	16QAM	1	0	23.07	23.08	23.15	24.5	1	
1.4	16QAM	1	8	23.06	23.06	23.06			
1.4	16QAM	1	16	23.41	23.39	23.25			
1.4	16QAM	8	8	23.40	23.49	23.47	24.5	1	
1.4	16QAM	8	4	22.96	22.97	22.96			
1.4	16QAM	16	16	22.96	22.97	22.96			
1.4	16QAM	3	3	22.99	22.89	22.96	23.5	2	
1.4	16QAM	3	1	22.97	22.97	22.97			
1.4	16QAM	3	0	22.32	22.44	22.31			
1.4	16QAM	3	1	22.53	22.24	22.46	23.5	2	
1.4	16QAM	3	0	22.52	21.84	22.56			
1.4	16QAM	3	0	22.50	21.88	22.54			
1.4	16QAM	3	0	21.15	21.08	21.12	22.0	3	
1.4	16QAM	3	0	21.15	21.08	21.12			
1.4	16QAM	3	0	19.18	19.08	19.05			
1.4	256QAM	1	8	18.94	18.97	18.95	20.5	5	
1.4	256QAM	1	16	19.03	18.97	18.95			
1.4	256QAM	1	24	19.07	19.05	19.15			
1.4	256QAM	3	3	19.31	19.24	19.24	20.5	5	
1.4	256QAM	3	1	19.32	19.27	19.27			
1.4	256QAM	3	0	19.32	19.27	19.27			



Band 13 Ant0 DSI5									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Ind. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.48	24.48	24.47			
10	QPSK	1	25	24.43	24.43	24.43	25.5	0	
10	QPSK	1	49	24.48	24.48	24.48			
10	QPSK	25	0	23.65	23.65	23.65			
10	QPSK	25	12	23.65	23.65	23.65	24.5	1	
10	QPSK	25	25	23.61	23.61	23.61			
10	QPSK	50	0	23.64	23.64	23.64			
10	16QAM	1	0	23.60	23.60	23.60			
10	16QAM	1	25	23.60	23.60	23.60	24.5	1	
10	16QAM	49	0	23.64	23.64	23.64			
10	16QAM	25	0	22.58	22.58	22.58	23.5	2	
10	16QAM	25	12	22.58	22.58	22.58			
10	16QAM	25	25	22.64	22.64	22.64			
10	16QAM	50	0	22.58	22.58	22.58			
10	64QAM	1	0	22.60	22.60	22.60	23.5	2	
10	64QAM	1	25	22.60	22.60	22.60			
10	64QAM	49	0	22.70	22.70	22.70			
10	64QAM	25	0	21.58	21.58	21.58	22.5	3	
10	64QAM	25	12	21.58	21.58	21.58			
10	64QAM	25	25	21.62	21.62	21.62			
10	64QAM	50	0	21.53	21.53	21.53			
10	256QAM	1	0	19.30	19.30	19.30	20.5	5	
10	256QAM	1	49	19.17	19.17	19.17			
10	256QAM	25	0	19.44	19.44	19.44			
10	256QAM	25	12	19.51	19.51	19.51	20.5	5	
10	256QAM	25	25	19.58	19.58	19.58			
10	256QAM	50	0	19.23	19.23	19.23			

Band 17 Ant0 DSI5									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Ind. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	24.12	24.12	24.06			
10	QPSK	1	25	24.08	24.08	24.17	25.5	0	
10	QPSK	1	49	24.07	24.12	24.04			
10	QPSK	25	0	23.12	23.16	23.22			
10	QPSK	25	12	23.14	23.16	23.23	24.5	1	
10	QPSK	25	25	23.23	23.23	23.21			
10	QPSK	50	0	23.12	23.22	23.19			
10	16QAM	1	0	23.42	23.48	23.51			
10	16QAM	1	25	23.61	23.41	23.36	24.5	1	
10	16QAM	1	49	23.62	23.62	23.61			
10	16QAM	25	0	22.19	22.18	22.25			
10	16QAM	25	12	22.31	22.14	22.28	23.5	2	
10	16QAM	25	25	22.21	22.29	22.16			
10	16QAM	50	0	22.25	22.13	22.29			
10	64QAM	1	0	22.23	22.04	22.21	23.5	2	
10	64QAM	1	25	22.29	22.29	22.16			
10	64QAM	1	49	22.14	22.38	22.33			
10	64QAM	25	0	21.15	21.15	21.08	22.5	3	
10	64QAM	25	12	21.26	21.28	21.25			
10	64QAM	25	25	21.16	21.17	21.23			
10	64QAM	50	0	21.17	21.16	21.16			
10	256QAM	1	0	18.96	19.22	18.91	20.5	5	
10	256QAM	1	49	19.22	18.94	19.10			
10	256QAM	25	0	19.21	19.22	19.25			
10	256QAM	25	12	19.28	19.29	19.16	20.5	5	
10	256QAM	25	25	19.25	19.23	19.63			
10	256QAM	50	0	19.21	19.08	19.10			

Band 20 Ant0 DSI5									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Ind. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	24.21	24.30	24.21			
15	QPSK	1	37	24.02	24.17	24.17	25.5	0	
15	QPSK	1	74	24.27	24.25	24.17			
15	QPSK	36	0	23.30	23.41	23.28			
15	QPSK	36	20	23.42	23.34	23.34	24.5	1	
15	QPSK	36	39	23.38	23.33	23.34			
15	QPSK	75	0	23.34	23.37	23.36			
15	16QAM	1	0	23.17	23.21	23.21			
15	16QAM	1	37	23.08	23.43	23.39	24.5	1	
15	16QAM	1	74	23.22	23.24	23.66			
15	16QAM	36	0	22.97	22.96	22.92			
15	16QAM	36	20	22.90	22.38	22.30	23.5	2	
15	16QAM	36	39	22.90	22.40	22.38			
15	16QAM	75	0	22.97	22.96	22.92			
15	64QAM	1	0	22.42	22.47	22.49			
15	64QAM	1	37	22.46	22.67	22.54	23.5	2	
15	64QAM	1	74	22.42	22.54	22.51			
15	64QAM	36	0	21.34	21.39	21.39			
15	64QAM	36	20	21.38	21.38	21.27	22.5	3	
15	64QAM	36	39	21.40	21.42	21.38			
15	64QAM	75	0	21.40	21.40	21.37			
15	256QAM	1	0	19.12	19.15	19.06	20.5	5	
15	256QAM	1	37	19.09	19.30	19.18			
15	256QAM	1	74	19.29	19.07	19.20			
15	256QAM	36	0	19.28	19.16	19.24			
15	256QAM	36	20	19.36	19.31	19.35	20.5	5	
15	256QAM	36	39	19.28	19.38	19.07			
15	256QAM	75	0	19.21	19.08	19.10			

Band 66 Ant0 DSI5									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Ind. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.67	23.07	22.92			
20	QPSK	1	49	22.67	23.07	22.92	24.5	0	
20	QPSK	1	99	22.74	22.72	22.62			
20	QPSK	50	0	21.62	22.09	21.96			
20	QPSK	50	24	21.68	21.98	21.99	23.5	1	
20	QPSK	50	50	21.69	22.00	22.04			
20	QPSK	150	0	21.65	21.65	21.92			
20	16QAM	1	0	22.02	22.03	22.12			
20	16QAM	1	49	22.20	22.24	22.34	23.5	1	
20	16QAM	1	99	22.25	22.26	22.17			
20	16QAM	50	0	20.91	21.00	21.07			
20	16QAM	50	24	21.06	21.11	21.02	22.5	2	
20	16QAM	50	50	20.99	21.16	21.01			
20	16QAM	150	0	21.05	21.05	21.06			
20	64QAM	1	0	21.00	21.10	21.10			
20	64QAM	1	49	21.14	21.04	21.05	22.5	2	
20	64QAM	1	99	21.30	21.06	21.17			
20	64QAM	50	0	19.95	20.03	19.95			
20	64QAM	50	24	19.97	20.12	20.06	21.5	3	
20	64QAM	50	50	19.91	19.95	19.91			
20	64QAM	150	0	20.07	19.98	20.07			
20	256QAM	1	0	18.02	18.15	18.10	19.5	5	
20	256QAM	1	49	18.02	18.13	18.19			
20	256QAM	1	99	17.80	17.87	18.11			
20	256QAM	50	0	17.80	17.78	17.89			
20	256QAM	50	24	18.00	18.15	18.02	19.5	5	
20	256QAM	50	50	18.14	18.15	18.09			
20	256QAM	150	0	18.07	18.07	18.07			

Band 13 Ant0 DSI5									
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Ind. (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	0	24.48	24.50	24.47			
5	QPSK	1	12	24.37	24.48	24.49	25.5	0	
5	QPSK	1	24	24.48	24.48	24.50			
5	QPSK	12	0	23.48	23.50	23.51			
5	QPSK	12	7	23.60	23.64	23.64	24.5	1	
5	QPSK	12	13	23.56	23.59	23.58			
5	QPSK	25	0	23.63	23.60	23.47			
5	16QAM	1	0	23.49	23.50	23.47			
5	16QAM	1	12	23.55	23.60	23.58	24.5	1	
5	16QAM	1	24	23.51	23.49	23.55			
5	16QAM	12	0	22.63	22.69	22.61	23.5	2	
5	16QAM	12	7	22.68	22.61	22.64			
5	16QAM	12	13	22.63	22.61	22.66			
5	16QAM	25	0	22.80	22.91	22.84			
5	64QAM	1	0	22.80	22.77	22.75	23.5	2	
5	64QAM	1	12	22.80	22.77	22.75			
5	64QAM	1	24	22.81	22.71	22.68			
5	64QAM	12	0	21.51	21.55	21.51			
5	64QAM	12	7	21.65	21.62	21.61	22.5	3	
5	64QAM	12	13	21.60	21.62	21.61			
5	64QAM	25	0	21.65	21.61	21.53			
5	256QAM	1	0	19.35	19.43	19.35	20.5	5	
5	256QAM	1	12	19.12	19.39	19.33			
5	256QAM	1	24	19.40	19.22	19.32			

Band 38 Ant0 DSIS									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.88	22.94	22.70	24.5	0	
20	QPSK	1	49	22.89	22.71	22.90			
20	QPSK	1	99	22.83	22.78	22.93			
20	QPSK	50	0	21.90	21.99	21.95			
20	QPSK	50	24	21.95	21.86	21.93	23.5	1	
20	QPSK	50	50	21.96	21.90	21.97			
20	QPSK	100	0	22.00	22.01	21.95			
20	16QAM	1	0	21.95	21.99	21.91			
20	16QAM	1	49	21.85	22.01	21.79	23.5	1	
20	16QAM	1	99	22.05	22.09	22.02			
20	16QAM	50	0	20.92	20.88	21.04			
20	16QAM	50	24	21.04	20.89	20.96			
20	16QAM	50	50	21.05	20.87	20.93	22.5	2	
20	16QAM	100	0	21.07	20.90	20.95			
20	64QAM	1	0	21.02	20.84	20.69			
20	64QAM	1	49	20.73	20.81	20.68			
20	64QAM	1	99	20.85	20.59	20.81	22.5	2	
20	64QAM	50	0	19.86	19.96	20.01			
20	64QAM	50	24	20.14	19.99	19.88			
20	64QAM	50	50	20.08	19.89	20.00			
20	64QAM	100	0	19.95	19.97	19.91	21.5	3	
20	256QAM	1	0	17.94	18.08	17.80			
20	256QAM	1	49	18.05	17.92	17.96			
20	256QAM	1	99	17.83	17.94	17.97			
20	256QAM	50	0	18.03	18.17	18.03	19.5	5	
20	256QAM	50	24	18.12	17.92	18.02			
20	256QAM	50	50	18.02	17.97	18.06			
20	256QAM	100	0	18.15	18.17	17.93			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.72	22.89	22.62			
15	QPSK	1	37	22.83	22.62	22.80	24.5	0	
15	QPSK	1	74	22.66	22.69	22.83			
15	QPSK	36	0	21.74	21.89	21.79			
15	QPSK	36	20	21.97	21.89	21.75			
15	QPSK	36	39	21.92	21.84	21.83	23.5	1	
15	QPSK	75	0	21.96	21.95	21.82			
15	16QAM	1	0	21.79	21.98	21.81			
15	16QAM	1	37	21.75	22.03	21.73			
15	16QAM	1	74	21.91	22.12	21.90	23.5	1	
15	16QAM	36	0	20.81	20.82	20.93			
15	16QAM	36	20	20.96	20.90	20.90			
15	16QAM	36	39	20.97	20.82	20.81			
15	16QAM	75	0	21.02	20.88	20.81	22.5	2	
15	64QAM	1	0	20.97	20.81	20.51			
15	64QAM	1	37	20.61	20.75	20.60			
15	64QAM	1	74	20.80	20.51	20.63			
15	64QAM	36	0	19.72	19.92	19.90	22.5	2	
15	64QAM	36	20	20.01	19.94	19.77			
15	64QAM	36	39	19.98	19.82	19.88			
15	64QAM	75	0	19.78	19.91	19.74			
15	256QAM	1	0	17.85	17.91	17.65	19.5	5	
15	256QAM	1	37	17.96	17.81	17.82			
15	256QAM	1	74	17.66	17.86	17.86			
15	256QAM	36	0	17.93	17.90	17.91			
15	256QAM	36	20	18.10	18.08	17.95	19.5	5	
15	256QAM	36	39	18.10	17.85	18.02			
15	256QAM	75	0	18.00	17.98	18.00			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.82	22.82	22.56	24.5	0	
10	QPSK	1	25	22.89	22.71	22.82			
10	QPSK	1	49	22.65	22.77	22.87			
10	QPSK	25	0	21.80	21.79	21.81			
10	QPSK	25	12	21.95	21.88	21.79	23.5	1	
10	QPSK	25	25	21.93	21.89	21.89			
10	QPSK	50	0	21.98	21.96	21.80			
10	16QAM	1	0	21.85	21.92	21.76			
10	16QAM	1	25	21.76	21.98	21.65	23.5	1	
10	16QAM	1	49	21.89	22.02	21.94			
10	16QAM	25	0	20.84	20.87	20.95			
10	16QAM	25	12	20.93	20.80	20.84			
10	16QAM	25	25	20.92	20.84	20.86	22.5	2	
10	16QAM	50	0	21.01	20.86	20.88			
10	64QAM	1	0	20.85	20.83	20.52			
10	64QAM	1	25	20.56	20.79	20.59			
10	64QAM	1	49	20.72	20.63	20.75	22.5	2	
10	64QAM	25	0	19.79	19.99	19.97			
10	64QAM	25	12	20.07	19.93	19.83			
10	64QAM	25	25	19.99	19.82	19.94			
10	64QAM	50	0	19.83	19.98	19.81	21.5	3	
10	256QAM	1	0	18.00	18.03	17.64			
10	256QAM	1	25	18.09	17.73	17.92			
10	256QAM	1	49	17.72	17.93	17.96			
10	256QAM	25	0	17.88	17.81	17.85	19.5	5	
10	256QAM	25	12	18.03	17.90	17.97			
10	256QAM	25	25	17.98	17.94	17.97			
10	256QAM	50	0	18.20	17.99	17.83			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.77	22.87	22.53			
5	QPSK	1	12	22.81	22.65	22.78	24.5	0	
5	QPSK	1	24	22.76	22.75	22.86			
5	QPSK	12	0	21.84	21.85	21.78			
5	QPSK	12	7	21.90	21.87	21.80			
5	QPSK	12	13	21.90	21.87	21.88	23.5	1	
5	QPSK	25	0	21.85	21.95	21.87			
5	16QAM	1	0	21.84	21.97	21.75			
5	16QAM	1	12	21.68	21.94	21.74			
5	16QAM	1	24	22.00	22.00	21.93	23.5	1	
5	16QAM	12	0	20.82	20.87	20.87			
5	16QAM	12	7	20.86	20.89	20.88			
5	16QAM	12	13	20.87	20.81	20.75			
5	16QAM	25	0	21.02	20.88	20.78	22.5	2	
5	64QAM	1	0	20.91	20.84	20.57			
5	64QAM	1	12	20.59	20.73	20.62			
5	64QAM	1	24	20.78	20.56	20.73			
5	64QAM	12	0	19.68	19.92	19.94	22.5	2	
5	64QAM	12	7	20.04	20.01	19.73			
5	64QAM	12	13	20.02	19.81	19.87			
5	64QAM	25	0	19.83	19.93	19.74			
5	256QAM	1	0	17.85	18.02	17.74	19.5	5	
5	256QAM	1	12	17.94	17.67	17.99			
5	256QAM	1	24	17.89	17.93	18.01			
5	256QAM	12	0	17.90	17.86	17.82			
5	256QAM	12	7	17.93	17.87	17.88	19.5	5	
5	256QAM	12	13	18.05	17.94	18.08			
5	256QAM	25	0	17.98	18.16	17.90			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.77	22.87	22.53	24.5	0	
5	QPSK	1	12	22.81	22.65	22.78			
5	QPSK	1	24	22.76	22.75	22.86			
5	QPSK	12	0	21.84	21.85	21.78			
5	QPSK	12	7	21.90	21.87	21.80	23.5	1	
5	QPSK	12	13	21.90	21.87	21.88			
5	QPSK	25	0	21.85	21.95	21.87			
5	16QAM	1	0	21.84	21.97	21.75			
5	16QAM	1	12	21.68	21.94	21.74	23.5	1	
5	16QAM	1	24	22.00	22.00	21.93			
5	16QAM	12	0	20.82	20.87	20.87			
5	16QAM	12	7	20.86	20.89	20.88			
5	16QAM	12	13	20.87	20.81	20.75	22.5	2	
5	16QAM	25	0	21.02	20.88	20.78			
5	64QAM	1	0	20.91	20.84	20.57			
5	64QAM	1	12	20.59	20.73	20.62			
5	64QAM	1	24	20.78	20.56	20.73	22.5	2	
5	64QAM	12	0	19.68	19.92	19.94			
5	64QAM	12	7	20.04	20.01	19.73			
5	64QAM	12	13	20.02	19.81	19.87			
5	64QAM	25	0	19.83	19.93	19.74	21.5	3	
5	256QAM	1	0	17.85	18.02	17.74			
5	256QAM	1	12	17.94	17.67	17.99			
5	256QAM	1	24	17.89	17.93	18.01			
5	256QAM	12	0	17.90	17.86	17.82	19.5	5	
5	256QAM	12	7	17.93	17.87	17.88			
5	256QAM	12	13	18.05	17.94	18.08			
5	256QAM	25	0	17.98	18.16	17.90			

GSM850 Ant1_DSIS

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8	31.00	21.87	21.51	21.77	22.00
GSM 1 Tx slot	30.87	30.51	30.77	31.00	21.87	21.51	21.77	22.00
GPRS 1 Tx slot	30.81	30.88	30.72	31.00	21.81	21.88	21.72	22.00
GPRS 2 Tx slots	27.02	26.94	27.21	28.00	21.02	20.94	21.21	21.74
GPRS 3 Tx slots	25.73	25.63	25.68	26.00	21.47	21.37	21.42	21.74
GPRS 4 Tx slots	24.31	24.47	24.42	25.00	21.31	21.47	21.42	22.00
EDGE 1 Tx slot	26.77	26.92	26.90	28.00	17.77	17.92	17.90	19.00
EDGE 2 Tx slots	23.84	23.70	23.67	25.00	17.84	17.70	17.67	19.00
EDGE 3 Tx slots	21.90	22.19	22.16	23.50	17.64	17.92	17.90	19.24
EDGE 4 Tx slots	20.38	20.68	20.72	22.00	17.38	17.68	17.72	19.00

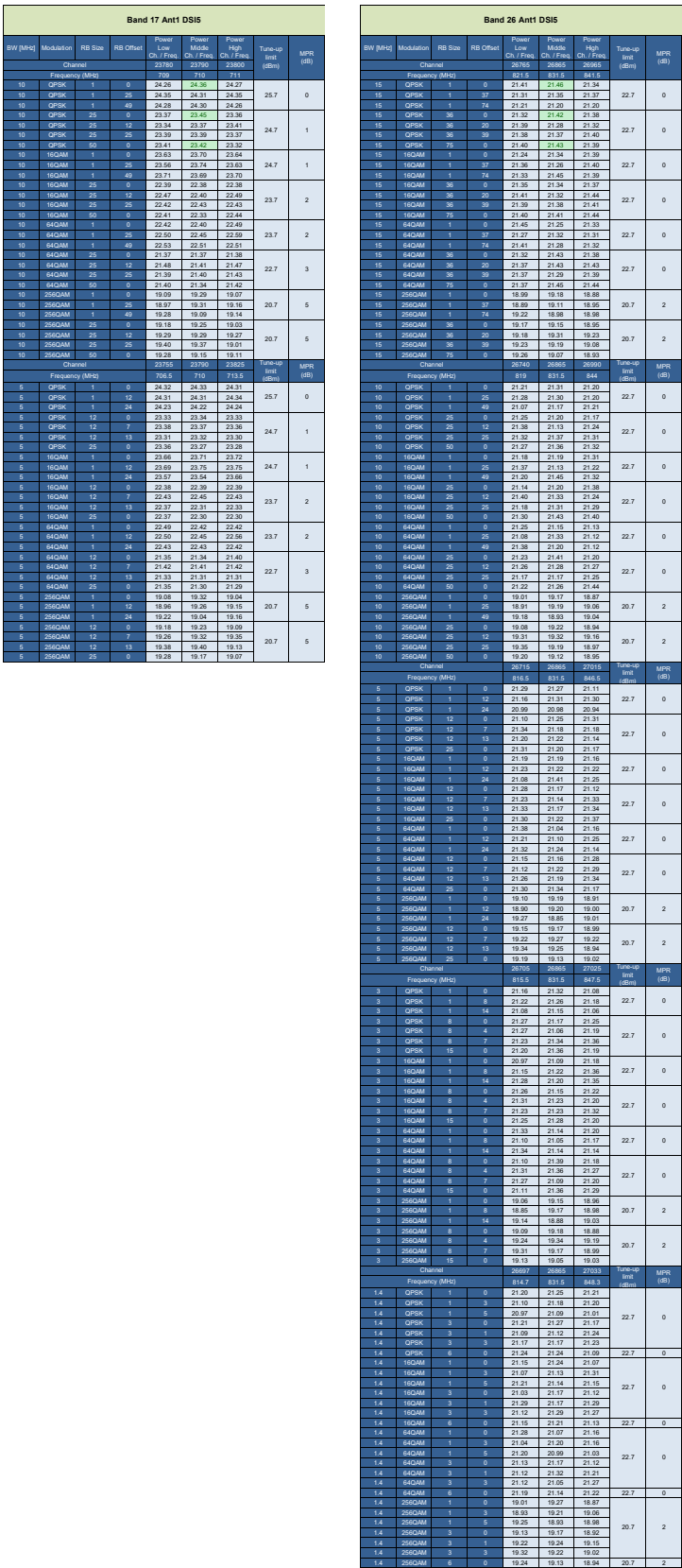
WCDMA V Ant1_DSIS

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		825.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.41	21.43	21.39	22.00
3GPP Rel 99	RMC 12.2Kbps	21.49	21.50	21.44	22.00
3GPP Rel 6	HSDPA Subtest-1	20.38	20.56	20.42	21.00
3GPP Rel 6	HSDPA Subtest-2	20.43	20.44	20.36	21.00
3GPP Rel 6	HSDPA Subtest-3	19.94	20.01	19.99	20.50
3GPP Rel 6	HSDPA Subtest-4	19.80	20.05	19.94	20.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.28	20.49	20.41	21.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.37	20.37	20.29	21.00
3GPP Rel 8	DC-HSDPA Subtest-3	19.83	20.13	19.99	20.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.77	19.97	19.88	20.50
3GPP Rel 6	HSUPA Subtest-1	20.32	20.58	20.40	22.00
3GPP Rel 6	HSUPA Subtest-2	18.39	18.52	18.60	20.00
3GPP Rel 6	HSUPA Subtest-3	19.23	19.48	19.48	21.00
3GPP Rel 6	HSUPA Subtest-4	18.26	18.55	18.38	20.00
3GPP Rel 6	HSUPA Subtest-5	20.42	20.48	20.56	22.00

Band 5 Ant_0BSIS												
BS	MFR	Modulation	RB Size	PRB Offset	Power [dBm]	Power [dBm]	Power [dBm]	Power [dBm]	Turn-on time (s)	MFR (dB)		
Channel												
Frequency Band												
20465												
20505												
20565												
20625												
20685												
20745												
20805												
20865												
20925												
20985												
21045												
21105												
21165												
21225												
21285												
21345												
21405												
21465												
21525												
21585												
21645												
21705												
21765												
21825												
21885												
21945												
22005												
22065												
22125												
22185												
22245												
22305												
22365												
22425												
22485												
22545												
22605												
22665												
22725												
22785												
22845												
22905												
22965												
23025												
23085												
23145												
23205												
23265												
23325												
23385												
23445												
23505												
23565												
23625												
23685												
23745												
23805												
23865												
23925												
23985												
24045												
24105												
24165												
24225												
24285												
24345												
24405												
24465												
24525												
24585												
24645												
24705												
24765												
24825												
24885												
24945												
25005												
25065												
25125												
25185												
25245												
25305												
25365												
25425												
25485												
25545												
25605												
25665												
25725												
25785												
25845												
25905												
25965												
26025												
26085												
26145												
26205												
26265												
26325												
26385												
26445												
26505												
26565												
26625												
26685												
26745												
26805												
26865												
26925												
26985												
27045												
27105												
27165												
27225												
27285												
27345												
27405												
27465												
27525												
27585												
27645												
27705												
27765												
27825												
27885												
27945												
28005												
28065												
28125												
28185												
28245												
28305												
28365												
28425												
28485												
28545												
28605												
28665												
28725												
28785												
28845												
28905												
28965												
29025												
29085												
29145												
29205												
29265												
29325												
29385												
29445												
29505												
29565												
29625												
29685												
29745												
29805												
29865												
29925												
29985												
30045												
30105												
30165												
30225												
30285												
30345												
30405												
30465												
30525												
30585												
30645												
30705												
30765												
30825												
30885												
30945												
31005												
31065												
31125												
31185												
31245												
31305												
31365												
31425												
31485												
31545												
31605												
31665												
31725												
31785												
31845												
31905												
31965												
32025												
32085												
32145												
32205												
32265												
32325												
32385												
32445												
32505												
32565												
32625												
32685												
32745												
32805												
32865												
32925												
32985												
33045												
33105												
33165												
33225												
33285												
33345												
33405												
33465												

Band 12 Ant DSSIS										
BS (MHz)	Modulation	PRB Size	PRB Offset	Power Pilot Ch/Ovr/Frc	Power Pilot 25005	Power Pilot 25015	Turn-up rate (dB)	MFR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	24.34	24.48	24.29				
10	QPSK	1	20	24.44	24.29	24.33	25.7	0		
10	QPSK	1	40	24.54	24.39	24.43				
10	QPSK	25	0	23.48	23.54	23.44				
10	QPSK	25	12	23.53	23.63	23.48	24.7	1		
10	QPSK	25	24	23.58	23.68	23.47				
10	QPSK	50	0	23.48	23.53	23.45				
10	QPSK	1	0	23.59	23.49	23.55				
10	QPSK	1	20	23.69	23.54	23.57	24.7	1		
10	QPSK	1	40	23.79	23.63	23.67				
10	QPSK	25	0	22.43	22.46	22.45				
10	QPSK	25	12	22.48	22.49	22.51	23.7	2		
10	QPSK	25	24	22.52	22.56	22.54				
10	QPSK	50	0	22.52	22.49	22.51				
10	QPSK	1	20	22.62	22.49	22.51				
10	QPSK	1	40	22.70	22.65	22.63	23.7	2		
10	QPSK	1	60	22.78	22.65	22.63				
10	QPSK	25	12	21.55	21.54	21.48	22.7	3		
10	QPSK	25	25	21.53	21.51	21.52				
10	QPSK	50	0	21.50	21.47	21.45				
10	25QAM	1	0	19.36	19.31	19.39				
10	25QAM	1	20	19.40	19.36	19.39	20.7	5		
10	25QAM	1	40	19.56	19.34	19.45				
10	25QAM	25	0	19.54	19.48	19.52				
10	25QAM	25	12	19.57	19.56	19.56	20.7	5		
10	25QAM	25	24	19.61	19.58	19.61				
10	25QAM	50	0	19.42	19.44	19.42				
Channel										
Frequency (MHz)										
5	QPSK	1	0	24.38	24.43	24.37				
5	QPSK	1	12	24.45	24.36	24.45	25.7	0		
5	QPSK	1	24	24.51	24.42	24.49				
5	QPSK	12	0	23.42	23.40	23.42				
5	QPSK	12	7	23.50	23.50	23.50	24.7	1		
5	QPSK	12	14	23.54	23.54	23.54				
5	QPSK	25	0	23.48	23.45	23.48				
5	QPSK	1	0	23.30	23.35	23.38				
5	QPSK	1	12	23.44	23.33	23.38	24.7	1		
5	QPSK	1	24	23.42	23.35	23.33				
5	QPSK	12	0	22.45	22.48	22.48				
5	QPSK	12	7	22.48	22.48	22.48	23.7	2		
5	QPSK	12	14	22.52	22.50	22.50				
5	QPSK	25	0	22.52	22.49	22.49				
5	QPSK	1	12	22.62	22.54	22.56	23.7	2		
5	QPSK	1	24	22.66	22.57	22.61				
5	QPSK	12	7	21.54	21.53	21.53				
5	QPSK	12	14	21.51	21.49	21.50	20.7	5		
5	QPSK	25	0	21.48	21.45	21.48				
5	25QAM	1	0	19.42	19.47	19.39				
5	25QAM	1	12	19.42	19.25	19.38	20.7	5		
5	25QAM	1	24	19.48	19.45	19.4				
5	25QAM	12	0	19.51	19.33	19.34				
5	25QAM	12	7	19.52	19.54	19.38	20.7	5		
5	25QAM	12	14	19.53	19.33	19.43				
5	25QAM	25	0	19.51	19.42	19.47				
Channel										
Frequency (MHz)										
3	QPSK	1	0	24.34	24.32	24.35				
3	QPSK	1	8	24.45	24.42	24.42	25.7	0		
3	QPSK	1	16	24.55	24.33	24.34				
3	QPSK	1	24	24.61	24.43	24.43				
3	QPSK	7	0	23.53	23.50	23.50	24.7	1		
3	QPSK	7	7	23.67	23.45	23.46				
3	QPSK	15	0	23.49	23.46	23.49				
3	QPSK	1	0	23.41	23.42	23.42				
3	QPSK	1	8	23.51	23.43	23.48	24.7	1		
3	QPSK	1	16	23.61	23.43	23.38				
3	QPSK	1	24	23.71	23.43	23.33				
3	QPSK	7	0	22.61	22.53	22.51				
3	QPSK	7	7	22.71	22.51	22.52	23.7	2		
3	QPSK	7	16	22.58	22.56	22.53				
3	QPSK	15	0	22.52	22.50	22.43				
3	QPSK	15	7	22.63	22.51	22.51	23.7	2		
3	QPSK	1	8	22.66	22.51	22.55				
3	QPSK	1	16	22.51	22.46	22.53				
3	QPSK	7	0	21.56	21.48	21.48	22.7	3		
3	QPSK	7	7	21.66	21.50	21.49				
3	QPSK	7	16	21.45	21.21	21.37				
3	25QAM	1	8	19.53	19.54	19.48	20.7	5		
3	25QAM	1	16	19.61	19.31	19.38				
3	25QAM	7	0	19.52	19.36	19.35				
3	25QAM	8	4	19.53	19.51	19.43	20.7	5		
3	25QAM	15	0	19.46	19.34	19.37				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	24.21	24.30	24.23				
1.4	QPSK	1	3	24.26	24.36	24.28				
1.4	QPSK	1	5	24.38	24.37	24.32	25.7	0		
1.4	QPSK	1	7	24.49	24.42	24.42				
1.4	QPSK	3	0	24.42	24.42	24.41				
1.4	QPSK	3	3	24.30	24.22	24.23	24.7	1		
1.4	QPSK	3	6	24.29	24.28	24.24				
1.4	QPSK	1	0	23.29	23.40	23.42				
1.4	QPSK	1	3	23.37	23.32	23.47				
1.4	QPSK	1	5	23.42	23.32	23.48	24.7	1		
1.4	QPSK	1	7	23.52	23.37	23.59				
1.4	QPSK	3	0	23.41	23.39	23.27				
1.4	QPSK	3	3	23.29	23.29	23.24	23.7	2		
1.4	QPSK	3	6	22.29	22.29	22.34				
1.4	QPSK	1	0	22.45	22.51	22.46				
1.4	QPSK	1	3	22.37	22.49	22.29	23.7	2		
1.4	QPSK	1	5	22.42	22.52	22.39				
1.4	QPSK	1	7	22.59	22.47	22.68				
1.4	QPSK	3	3	22.51	22.36	22.43	22.7	3		
1.4	QPSK	6	0	21.41	21.41	21.47				
1.4	QPSK	6	3	19.24	19.25	19.31				
1.4	25QAM	3	3	19.17	19.35	19.45				
1.4	25QAM	6	0	19.23	19.23	19.29	20.7	5		
1.4	25QAM	3	0	19.23	19.31	19.40				
1.4	25QAM	3	1	19.36	19.44	19.52				
1.4	25QAM	6	3	19.15	19.36	19.46				
1.4	25QAM	6	0	19.15	19.37	19.54	20.7	5		

Band 13 Ant DS15									
BM (MHz)	Modulation	PRB Size	PRB Offset	Power / C/I (dB)	Power / C/I (dB)	Power / C/I (dB)	Power / C/I (dB)	Turn-on rate (dB)	MFR (dB)
Channel									
Frequency (MHz)									
23300									
10	QPSK	1	0		22.02				
10	QPSK	1	26		22.02			23.7	0
10	QPSK	25	0		22.02				
10	QPSK	25	26		22.02				
10	QPSK	25	12		22.35			23.7	0
10	QPSK	25	38		22.35				
10	QPSK	50	0		22.42				
10	QPSK	1	0		26.35				
10	QPSK	1	26		26.35			23.7	0
10	QPSK	1	49		26.42				
10	QPSK	25	0		26.42				
10	QPSK	25	26		26.42			23.7	0
10	QPSK	25	12		26.55				
10	QPSK	25	38		26.55				
10	QPSK	50	0		26.62				
10	QPSK	1	26		22.23			23.7	0
10	QPSK	1	49		22.27				
10	QPSK	1	74		22.33				
10	QPSK	25	12		21.04			22.7	1
10	QPSK	25	25		21.09				
10	QPSK	25	38		21.11				
10	QPSK	1	0		19.28				
10	QPSK	1	26		19.31			20.7	3
10	QPSK	1	49		19.31				
10	QPSK	25	0		19.32				
10	QPSK	25	12		19.36			20.7	3
10	QPSK	25	38		19.36				
10	QPSK	50	0		19.21				
23305									
Frequency (MHz)									
5	QPSK	1	0		22.53	22.57	22.53		
5	QPSK	1	12		22.61	22.58	22.59	23.7	0
5	QPSK	25	0		22.54	22.57	22.54		
5	QPSK	12	0		22.52	22.55	22.35		
5	QPSK	12	7		22.42	22.40	22.47	23.7	0
5	QPSK	12	14		22.41	22.42	22.43		
5	QPSK	25	0		22.39	22.35	22.41		
5	QPSK	1	0		22.48	22.56	22.48		
5	QPSK	1	12		22.46	22.59	22.69	23.7	0
5	QPSK	1	24		22.48	22.55	22.57		
5	QPSK	12	0		22.35	22.42	22.45		
5	QPSK	12	7		22.41	22.47	22.53		
5	QPSK	12	14		22.44	22.51	22.45	23.7	0
5	QPSK	25	0		22.44	22.51	22.45		
5	QPSK	25	12		22.46	22.56	22.58		
5	QPSK	1	12		22.42	22.38	22.52	23.7	0
5	QPSK	1	24		22.53	22.67	22.62		
5	QPSK	1	36		22.48	22.56	22.57		
5	QPSK	12	14		21.48	21.43	21.53	22.7	1
5	QPSK	12	13		21.47	21.46	21.45		
5	QPSK	1	0		21.00	21.11	21.13		
5	QPSK	1	0		19.10	19.30	19.30		
5	QPSK	1	12		18.99	19.25	19.11	20.7	3
5	QPSK	25	0		19.21	19.05	19.07		
5	QPSK	12	24		19.17	19.28	19.03		
5	QPSK	12	7		19.26	19.28	19.25		
5	QPSK	12	14		19.28	19.37	19.36		
5	QPSK	25	0		19.27	19.22	19.26		



GSM1900 Ant3 DSIS

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	30.02	29.88	30.01	30.50	21.02	20.88	21.01	21.50
GSM 1 Tx slot	29.93	29.75	29.74	30.50	20.93	20.75	20.74	21.50
GPRS 2 Tx slots	26.76	26.57	26.43	27.50	20.76	20.57	20.43	21.50
GPRS 3 Tx slots	24.57	24.68	24.83	25.50	20.31	20.42	20.57	21.24
GPRS 4 Tx slots	23.31	23.32	23.19	24.50	20.31	20.32	20.19	21.50
EDGE 1 Tx slot	25.73	25.78	25.98	26.50	16.73	16.78	16.98	17.50
EDGE 2 Tx slots	22.45	22.39	22.33	24.00	16.45	16.38	16.33	18.00
EDGE 3 Tx slots	20.60	20.66	20.82	21.50	16.34	16.40	16.56	17.24
EDGE 4 Tx slots	18.92	19.04	19.27	20.50	15.92	16.04	16.27	17.50

WCDMA II Ant3 DSIS

Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
TX Channel	9662	9800	9938		1537	1638	1738	
Rx Channel	1552.4	1580	1607.6		1742.4	1722.3	1752.5	
Frequency (MHz)	20.98	21.07	20.92	22.00	20.85	20.97	20.86	22.00
3GPP Rel 99	21.05	21.12	20.95	22.00	20.93	21.04	20.89	22.00
3GPP Rel 6	19.97	19.96	19.74	21.00	19.90	19.99	19.80	21.00
3GPP Rel 6	19.93	19.94	19.56	21.00	19.87	19.97	19.84	21.00
3GPP Rel 6	19.45	19.43	19.24	20.50	19.39	19.55	19.34	20.50
3GPP Rel 6	19.46	19.39	19.29	20.50	19.41	19.49	19.30	20.50
3GPP Rel 8	19.92	19.86	19.80	21.00	19.97	19.88	19.70	21.00
3GPP Rel 8	19.86	19.83	19.63	21.00	19.75	19.99	19.95	21.00
3GPP Rel 8	19.36	19.47	19.17	20.50	19.27	19.62	19.27	20.50
3GPP Rel 8	19.55	19.45	19.33	20.50	19.40	19.52	19.30	20.50
3GPP Rel 6	19.97	19.94	19.72	21.00	19.83	20.00	19.79	21.00
3GPP Rel 6	17.94	17.92	17.72	19.00	17.87	18.00	17.75	19.00
3GPP Rel 6	18.96	18.89	18.75	20.00	18.83	18.93	18.69	20.00
3GPP Rel 6	17.94	17.94	17.75	19.00	17.84	17.98	17.81	19.00
3GPP Rel 6	20.00	19.90	19.80	21.00	19.80	20.00	19.80	21.00

Band 2 Ant3 DS15												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up limit (sec)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.35	21.44	21.50	22.5	0				
20	QPSK	1	49	21.35	21.44	21.50						
20	QPSK	1	99	21.22	21.16	21.19						
20	QPSK	50	0	21.37	21.43	21.51	22.5	0				
20	QPSK	50	24	21.36	21.31	21.38						
20	QPSK	50	50	21.34	21.24	21.21						
20	16QAM	1	49	21.38	21.31	21.25	22.5	0				
20	16QAM	1	99	21.32	21.23	21.42						
20	16QAM	50	0	21.39	21.39	21.33						
20	16QAM	50	24	21.30	21.30	21.33	22.5	0				
20	16QAM	50	50	21.41	21.28	21.25						
20	16QAM	100	0	21.42	21.34	21.29						
20	256QAM	1	0	19.33	19.38	19.20	20.5	2				
20	256QAM	1	99	19.16	19.13	19.13						
20	256QAM	50	0	19.36	19.29	19.22						
20	256QAM	50	24	19.38	19.39	19.37	20.5	2				
20	256QAM	50	50	19.32	19.19	19.17						
20	256QAM	100	0	19.35	19.20	19.17						
Channel												
Frequency (MHz)												
16	QPSK	1	0	21.29	21.35	21.23	22.5	0				
16	QPSK	1	37	21.22	21.13	21.07						
16	QPSK	1	74	21.15	21.15	21.07						
16	QPSK	36	0	21.18	21.29	21.28	22.5	0				
16	QPSK	36	37	21.37	21.16	21.09						
16	QPSK	36	39	21.18	21.21	21.21						
16	QPSK	75	0	21.24	21.19	21.21	22.5	0				
16	16QAM	1	74	21.16	21.16	21.14						
16	16QAM	1	37	21.38	21.20	21.04						
16	16QAM	36	0	21.35	21.29	21.31	22.5	0				
16	16QAM	36	0	21.32	21.29	21.33						
16	16QAM	36	20	21.21	21.15	21.39						
16	16QAM	36	20	21.25	21.33	21.32	22.5	0				
16	16QAM	75	0	21.25	21.33	21.32						
16	16QAM	75	0	21.27	21.27	21.14						
16	16QAM	1	37	21.11	21.28	21.09	22.5	0				
16	16QAM	1	74	21.39	21.13	21.05						
16	16QAM	36	0	21.40	21.33	21.27						
16	16QAM	36	20	21.43	21.29	21.08	22.5	0				
16	16QAM	36	39	21.39	21.23	21.20						
16	16QAM	75	0	21.43	21.31	21.26						
16	256QAM	1	0	19.33	19.29	19.31	20.5	2				
16	256QAM	1	37	19.29	19.24	19.30						
16	256QAM	1	74	19.10	19.03	19.02						
16	256QAM	36	0	19.34	19.24	19.25	20.5	2				
16	256QAM	36	20	19.27	19.38	19.30						
16	256QAM	36	39	19.23	19.12	19.09						
16	256QAM	75	0	19.36	19.26	19.29	20.5	2				
16	256QAM	75	0	19.38	19.26	19.29						
16	256QAM	75	0	19.36	19.26	19.29						
Channel												
Frequency (MHz)												
16	QPSK	1	0	21.17	21.34	21.10	22.5	0				
16	QPSK	1	25	21.30	21.10	21.16						
16	QPSK	1	49	21.13	21.04	21.15						
16	QPSK	25	0	21.18	21.40	21.39	22.5	0				
16	QPSK	25	12	21.20	21.24	21.13						
16	QPSK	25	25	21.17	21.14	21.18						
16	QPSK	75	0	21.24	21.24	21.24	22.5	0				
16	16QAM	1	0	21.32	21.28	21.29						
16	16QAM	1	25	21.38	21.16	21.25						
16	16QAM	25	0	21.27	21.23	21.29	22.5	0				
16	16QAM	25	12	21.13	21.23	21.21						
16	16QAM	25	12	21.21	21.14	21.14						
16	16QAM	50	0	21.42	21.14	21.14	22.5	0				
16	16QAM	1	0	21.17	21.03	21.23						
16	16QAM	1	24	21.30	21.31	21.21						
16	16QAM	1	49	21.32	21.00	21.16	22.5	0				
16	16QAM	25	0	21.37	21.32	21.13						
16	16QAM	25	12	21.26	21.26	21.17						
16	16QAM	50	0	21.32	21.25	21.16	20.5	2				
16	256QAM	1	25	19.32	19.22	19.25						
16	256QAM	1	49	19.26	19.22	19.21						
16	256QAM	25	0	19.38	19.30	19.25	20.5	2				
16	256QAM	25	12	19.17	19.33	19.36						
16	256QAM	25	25	19.28	19.06	19.05						
16	256QAM	50	0	19.16	19.27	19.33	20.5	2				
16	256QAM	50	0	19.25	19.09	19.15						
16	256QAM	50	0	19.25	19.09	19.15						
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.25	21.35	21.21	22.5	0				
5	QPSK	1	12	21.08	21.22	21.21						
5	QPSK	1	24	21.03	21.01	21.11						
5	QPSK	12	0	21.18	21.18	21.25	22.5	0				
5	QPSK	12	7	21.28	21.00	21.00						
5	QPSK	12	13	21.10	21.11	20.97						
5	QPSK	25	0	21.13	21.27	21.21	22.5	0				
5	16QAM	1	0	21.06	21.18	21.22						
5	16QAM	1	12	21.31	21.18	21.08						
5	16QAM	1	24	21.16	21.13	21.08	22.5	0				
5	16QAM	12	0	21.27	21.14	21.23						
5	16QAM	12	7	21.18	21.23	21.25						
5	16QAM	12	13	21.32	21.00	21.27	22.5	0				
5	16QAM	25	0	21.31	21.29	21.03						
5	16QAM	1	0	21.23	21.19	21.19						
5	16QAM	1	12	21.20	21.07	21.14	22.5	0				
5	16QAM	1	24	21.29	21.09	21.18						
5	16QAM	12	0	21.30	21.25	21.27						
5	16QAM	12	13	21.18	21.23	21.10	22.5	0				
5	16QAM	25	0	21.16	21.10	21.23						
5	16QAM	1	0	19.14	19.21	19.14						
5	256QAM	1	12	19.23	19.13	19.06	20.5	2				
5	256QAM	1	24	19.17	19.32	19.17						
5	256QAM	12	0	19.32	19.33	19.11						
5	256QAM	12	13	19.25	19.13	19.13	20.5	2				
5	256QAM	25	0	19.28	19.06	19.05						
5	256QAM	25	0	19.30	19.42	19.22						
Channel												
Frequency (MHz)												
3	QPSK	1	0	21.30	21.30	21.20	22.5	0				
3	QPSK	1	8	21.08	21.27	21.11						
3	QPSK	1	16	21.03	21.01	21.11						
3	QPSK	8	0	21.18	21.28	21.21	22.5	0				
3	QPSK	8	4	21.20	21.20	21.06						
3	QPSK	8	12	21.22	21.07	21.07						
3	QPSK	15	0	21.05	21.18	21.22	22.5	0				
3	16QAM	1	0	21.11	21.19	21.22						
3	16QAM	1	8	21.25	21.12	21.07						
3	16QAM	1	16	21.06	21.11	21.19	22.5	0				
3	16QAM	8	0	21.34	21.20	21.27						
3	16QAM	8	4	21.30	21.22	21.16						
3	16QAM	15	0	21.20	21.13	21.13	22.5	0				
3	16QAM	8	7	21.38	21.15	21.19						
3	16QAM	1	0	21.36	21.22	21.16						
3	16QAM	8	16	21.20	21.11	21.11	22.5	0				
3	16QAM	8	7	21.38	21.15	21.19						
3	16QAM	1	8	21.16	21.25	21.21						
3	16QAM	8	16	21.35	21.11	21.09	22.5	0				
3	16QAM	8	4	21.39	21.17	21.17						
3	16QAM	15	0	21.20	21.13	21.13						
3	256QAM	1	0	19.04	19.24	19.24	20.5	2				
3	256QAM	1	8	19.14	19.14	19.14						
3	256QAM	8	0	19.21	19.23	19.34						
3	256QAM	8	4	19.32	19.10	19.10	20.5	2				
3	256QAM	8	7	19.27	19.20	19.14						
3	256QAM	15	0	19.18	19.35	19.19						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	21.17	21.28	21.21	22.5	0				
1.4	QPSK	1	8	21.06	21.18	21.18						
1.4	QPSK	1	16	21.07	21.05	21.15						
1.4	QPSK	8	0	20.97	20.95	20.95	22.5	0				
1.4	QPSK	8	4	21.07	21.16	21.13						
1.4	QPSK	8	12	21.08	20.98	20.98						
1.4	QPSK	15	0	21.17	20.99	20.93	22.5	0				
1.4	QPSK	8	0	21.10	21.08	20.98						
1.4	QPSK	1	0	21.13	21.16	21.16						
1.4	16QAM	1	0	21.09	21.01	21.02	22.5	0				
1.4	16QAM	1	8	21.12	21.25	21.23						
1.4	16QAM	1	16	21.04	21.11	21.01						
1.4	16QAM	8	0	21.20	21.11	21.12	22.5	0				
1.4	16QAM	8	4	21.19	21.07	21.08						
1.4	16QAM	8	12	21.19	21.09	21.08						
1.4	16QAM	15	0	21.29	21.29	21.26	22.5	0				
1.4	16QAM	8	0	21.29	21.11	21.17						
1.4	16QAM	1	0	21.17	21.17	21.17						
1.4	16QAM	1	8	21.07	21.07	21.07	22.5	0				
1.4	16QAM	1	16	21.21	21.01	21.17						
1.4	16QAM	1	8	21.18	21.08	21.08						
1.4	16QAM	8	0	19.88	19.86	19.82	20.5	2				
1.4	16QAM	8	4	19.13	19.25	19.25						
1.4	16QAM	15	0	19.07	19.18	19.18						
1.4	256QAM	3	0	19.22	19.84	19.86	20.5	2				
1.4	256QAM	3	4	19.18	19.84	19.84						
1.4	256QAM	3	8	19.18	19.84	19.84						

Band 25 Ant3 DSIS														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up Int. (dB)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	22.28	22.45	22.29	23.5	0						
20	QPSK	1	48	22.41	22.42	22.27								
20	QPSK	1	96	22.29	22.30	22.20								
20	QPSK	50	0	22.29	22.44	22.38								
20	QPSK	50	24	22.29	22.36	22.37	23.5	0						
20	QPSK	50	50	22.31	22.42	22.32								
20	QPSK	100	0	22.33	22.35	22.30								
20	16QAM	1	0	22.33	22.29	22.28								
20	16QAM	1	48	22.34	22.38	22.37	23.5	0						
20	16QAM	50	0	22.30	22.30	22.40								
20	16QAM	50	24	22.31	22.28	22.38								
20	16QAM	50	50	22.28	22.44	22.39								
20	16QAM	100	0	22.37	22.31	22.39	23.5	0						
20	16QAM	1	0	22.29	22.33	22.31								
20	16QAM	1	48	22.41	22.32	22.34								
20	16QAM	1	96	22.43	22.42	22.33								
20	16QAM	50	0	21.50	21.43	21.38	22.5	1						
20	16QAM	50	24	21.36	21.52	21.38								
20	16QAM	50	50	21.50	21.36	21.35								
20	16QAM	100	0	21.51	21.35	21.39								
20	256QAM	1	0	18.80	18.14	18.80	20.5	3						
20	256QAM	1	48	18.80	18.24	18.80								
20	256QAM	1	96	18.12	18.86	18.85								
20	256QAM	50	0	18.24	18.12	18.80								
20	256QAM	50	24	18.23	18.15	18.21	20.5	3						
20	256QAM	50	50	18.17	18.28	18.88								
20	256QAM	100	0	18.22	18.40	18.87								
Channel														
Frequency (MHz)														
16	QPSK	1	0	22.31	22.41	22.11	23.5	0						
16	QPSK	1	48	22.30	22.27	22.22								
16	QPSK	1	74	22.20	22.11	22.13								
16	QPSK	36	0	22.21	22.33	22.24								
16	QPSK	36	24	22.14	22.21	22.28	23.5	0						
16	QPSK	36	36	22.21	22.34	22.28								
16	QPSK	75	0	22.07	22.32	22.07								
16	16QAM	1	0	22.33	22.31	22.08								
16	16QAM	1	37	22.28	22.24	22.19	23.5	0						
16	16QAM	1	74	22.17	22.16	22.16								
16	16QAM	36	0	22.12	22.14	22.22								
16	16QAM	36	20	22.12	22.18	22.22								
16	16QAM	36	39	22.22	22.12	22.22	23.5	0						
16	16QAM	75	0	22.21	22.29	22.24								
16	16QAM	1	0	22.17	22.18	22.12								
16	16QAM	1	37	22.43	22.42	22.28								
16	16QAM	1	74	22.30	22.35	22.07	22.5	1						
16	16QAM	36	0	21.50	21.36	21.27								
16	16QAM	36	20	21.13	21.25	21.24								
16	16QAM	36	39	21.13	21.25	21.24								
16	16QAM	75	0	21.17	21.32	21.38	20.5	3						
16	256QAM	1	0	18.87	18.14	18.87								
16	256QAM	1	37	18.80	18.24	18.00								
16	256QAM	1	74	18.09	18.80	18.80								
16	256QAM	36	0	18.20	18.14	18.86	20.5	3						
16	256QAM	36	20	18.20	18.15	18.14								
16	256QAM	36	39	18.16	18.20	18.89								
16	256QAM	75	0	18.13	18.86	18.83								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.17	22.34	22.16	23.5	0						
10	QPSK	1	25	22.25	22.38	22.14								
10	QPSK	1	49	22.10	22.27	22.00								
10	QPSK	25	0	22.20	22.40	22.21								
10	QPSK	25	12	22.13	22.31	22.28	23.5	0						
10	QPSK	25	25	22.23	22.31	22.20								
10	QPSK	50	0	22.10	22.26	22.07								
10	16QAM	1	0	22.20	22.10	22.18								
10	16QAM	1	25	22.17	22.25	22.21	23.5	0						
10	16QAM	1	49	22.17	22.16	22.09								
10	16QAM	25	0	22.10	22.18	22.25								
10	16QAM	25	12	22.21	22.22	22.32								
10	16QAM	36	0	22.30	22.29	22.14	23.5	0						
10	16QAM	50	0	22.30	22.14	22.29								
10	16QAM	1	0	22.30	22.29	22.14								
10	16QAM	1	25	22.34	22.30	22.14								
10	16QAM	1	49	22.29	22.25	22.24	22.5	1						
10	16QAM	25	0	21.25	21.40	21.34								
10	16QAM	25	12	21.34	21.21	21.27								
10	16QAM	25	25	21.29	21.13	21.15								
10	16QAM	50	0	21.29	21.33	21.25	20.5	3						
10	256QAM	1	0	18.80	18.17	18.80								
10	256QAM	1	25	18.81	18.16	18.24								
10	256QAM	1	49	18.16	18.81	18.86								
10	256QAM	25	0	18.02	18.09	18.80	20.5	3						
10	256QAM	25	12	18.28	18.10	18.18								
10	256QAM	25	25	18.13	18.23	18.87								
10	256QAM	50	0	18.22	18.02	18.87								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.31	22.38	22.16	23.5	0						
5	QPSK	1	12	22.10	22.36	22.18								
5	QPSK	1	24	22.14	22.18	22.07								
5	QPSK	18	0	22.14	22.13	22.22								
5	QPSK	12	7	22.20	22.23	22.20	23.5	0						
5	QPSK	12	13	22.16	22.29	22.27								
5	QPSK	26	0	22.10	22.18	22.14								
5	16QAM	1	0	22.20	22.08	22.09								
5	16QAM	1	12	22.19	22.29	22.34	23.5	0						
5	16QAM	1	24	22.05	22.28	22.31								
5	16QAM	12	0	22.03	22.22	22.17								
5	16QAM	12	7	22.24	22.03	22.26								
5	16QAM	18	0	22.32	22.40	22.20	23.5	0						
5	16QAM	25	0	22.29	22.26	22.26								
5	16QAM	1	0	22.20	22.20	22.21								
5	16QAM	12	0	22.37	22.16	22.27								
5	16QAM	1	24	22.39	22.34	22.20	22.5	1						
5	16QAM	12	0	21.66	21.17	21.19								
5	16QAM	12	7	21.13	21.13	21.23								
5	16QAM	12	13	21.18	20.89	21.25								
5	16QAM	25	0	21.11	21.10	21.12	20.5	3						
5	256QAM	1	0	18.86	18.22	18.80								
5	256QAM	1	12	18.79	18.24	18.87								
5	256QAM	1	24	18.11	18.94	18.96								

Band 38 Ant3 DS15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	24.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.42	23.49	23.35	24.5	0	
20	QPSK	1	49	23.33	23.43	23.42			
20	QPSK	1	99	23.46	23.46	23.38			
20	QPSK	50	0	23.38	23.47	23.30	24.5	0	
20	QPSK	50	24	23.39	23.43	23.41			
20	QPSK	50	50	23.44	23.40	23.39			
20	QPSK	100	0	23.40	23.44	23.40	24.5	0	
20	16QAM	1	0	23.40	23.30	23.44			
20	16QAM	1	49	23.31	23.47	23.35			
20	16QAM	1	99	23.40	23.31	23.32	23.5	1	
20	16QAM	50	0	22.34	22.33	22.32			
20	16QAM	50	24	22.52	22.46	22.43			
20	16QAM	50	50	22.47	22.40	22.38	23.5	1	
20	16QAM	100	0	22.45	22.41	22.38			
20	64QAM	1	0	22.35	22.29	22.29			
20	64QAM	1	49	22.08	22.21	22.39	22.5	2	
20	64QAM	1	99	22.37	22.30	22.36			
20	64QAM	50	0	21.37	21.32	21.32			
20	64QAM	50	24	21.48	21.43	21.44	20.5	4	
20	64QAM	50	50	21.44	21.41	21.38			
20	64QAM	100	0	21.41	21.39	21.38			
20	256QAM	1	0	19.43	19.52	19.41	20.5	4	
20	256QAM	1	49	19.31	19.52	19.50			
20	256QAM	1	99	19.34	19.36	19.28			
20	256QAM	50	0	19.39	19.54	19.32	20.5	4	
20	256QAM	50	24	19.46	19.36	19.47			
20	256QAM	50	50	19.46	19.43	19.36			
20	256QAM	100	0	19.29	19.55	19.49			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.41	23.31	23.14	24.5	0	
15	QPSK	1	37	23.13	23.26	23.38			
15	QPSK	1	74	23.37	23.45	23.37	24.5	0	
15	QPSK	36	0	23.23	23.38	23.08			
15	QPSK	36	20	23.21	23.37	23.22			
15	QPSK	36	39	23.23	23.37	23.17	24.5	0	
15	QPSK	75	0	23.24	23.41	23.27			
15	16QAM	1	0	23.27	23.16	23.25	24.5	0	
15	16QAM	1	37	23.13	23.47	23.28			
15	16QAM	1	74	23.33	23.10	23.33	23.5	1	
15	16QAM	36	0	22.15	22.34	22.11			
15	16QAM	36	20	22.43	22.33	22.37			
15	16QAM	36	39	22.40	22.28	22.32	23.5	1	
15	16QAM	75	0	22.33	22.37	22.37			
15	64QAM	1	0	22.15	22.23	22.26	23.5	1	
15	64QAM	1	37	21.99	22.09	22.29			
15	64QAM	1	74	22.20	22.08	22.30	22.5	2	
15	64QAM	36	0	21.22	21.31	21.16			
15	64QAM	36	20	21.32	21.36	21.25	20.5	4	
15	64QAM	36	39	21.32	21.42	21.35			
15	64QAM	75	0	21.26	21.41	21.35	20.5	4	
15	256QAM	1	0	19.27	19.40	19.40			
15	256QAM	1	37	19.28	19.33	19.44	20.5	4	
15	256QAM	1	74	19.24	19.26	19.23			
15	256QAM	36	0	19.23	19.46	19.32	20.5	4	
15	256QAM	36	20	19.26	19.36	19.42			
15	256QAM	36	39	19.27	19.35	19.27	20.5	4	
15	256QAM	75	0	19.17	19.54	19.41			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.13	23.29	22.95	24.5	0	
10	QPSK	1	25	23.03	23.10	23.22			
10	QPSK	1	49	23.14	23.05	23.05	24.5	0	
10	QPSK	25	0	23.01	23.26	23.09			
10	QPSK	25	12	23.12	23.18	23.11			
10	QPSK	25	25	23.25	23.11	23.10	24.5	0	
10	QPSK	50	0	23.19	23.10	23.03			
10	16QAM	1	0	23.22	23.07	23.05	24.5	0	
10	16QAM	1	25	22.95	23.23	23.02			
10	16QAM	1	49	23.06	23.04	22.90	23.5	1	
10	16QAM	25	0	21.95	22.00	21.91			
10	16QAM	25	12	22.12	22.10	22.03	23.5	1	
10	16QAM	25	25	22.22	22.18	22.16			
10	16QAM	50	0	22.16	22.16	22.01	23.5	1	
10	64QAM	1	0	22.05	21.97	22.04			
10	64QAM	1	25	21.88	21.82	22.00	22.5	2	
10	64QAM	1	49	22.18	22.10	21.95			
10	64QAM	25	0	20.98	20.96	21.02	20.5	4	
10	64QAM	25	12	21.18	21.06	21.09			
10	64QAM	25	25	21.18	21.22	21.01	20.5	4	
10	64QAM	50	0	21.08	21.16	21.09			
10	256QAM	1	0	19.20	19.10	19.13	20.5	4	
10	256QAM	1	25	18.99	19.17	19.11			
10	256QAM	1	49	18.94	19.15	18.88	20.5	4	
10	256QAM	25	0	18.99	19.16	18.96			
10	256QAM	25	12	19.06	19.16	19.28	20.5	4	
10	256QAM	25	25	19.10	19.15	18.94			
10	256QAM	50	0	18.92	19.23	19.18			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.97	23.03	23.02	24.5	0	
5	QPSK	1	12	22.93	22.96	23.01			
5	QPSK	1	24	23.06	23.00	23.01	24.5	0	
5	QPSK	12	0	23.08	23.11	22.86			
5	QPSK	12	7	23.04	22.99	23.16			
5	QPSK	12	13	22.97	23.06	22.97	24.5	0	
5	QPSK	25	0	23.14	23.09	22.97			
5	16QAM	1	0	23.05	22.91	23.15	24.5	0	
5	16QAM	1	12	22.92	23.16	22.91			
5	16QAM	1	24	23.09	23.03	23.08	23.5	1	
5	16QAM	12	0	22.07	22.06	21.89			
5	16QAM	12	7	22.14	22.01	22.04	23.5	1	
5	16QAM	12	13	22.24	21.99	22.08			
5	16QAM	25	0	22.09	22.07	21.95	23.5	1	
5	64QAM	1	0	21.90	22.05	22.05			
5	64QAM	1	12	21.79	21.76	21.93	22.5	2	
5	64QAM	1	24	22.08	21.87	22.11			
5	64QAM	12	0	21.07	21.02	20.89	20.5	4	
5	64QAM	12	7	21.07	20.97	21.03			
5	64QAM	12	13	21.18	21.11	20.94	20.5	4	
5	64QAM	25	0	21.17	20.97	21.12			
5	256QAM	1	0	19.04	19.18	19.12	20.5	4	
5	256QAM	1	12	18.86	19.16	19.23			
5	256QAM	1	24	19.03	18.96	18.84	20.5	4	
5	256QAM	12	0	18.96	19.13	19.04			
5	256QAM	12	7	19.20	19.11	19.05	20.5	4	
5	256QAM	12	13	19.08	19.09	18.95			
5	256QAM	25	0	19.05	19.12	19.15			

Band 41 Ant3_DS15										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.37	23.34	23.50	23.48	23.35	24.5	0
20	QPSK	1	49	23.36	23.36	23.48	23.37	23.26		
20	QPSK	1	99	23.22	23.37	23.42	23.41	23.19		
20	QPSK	50	0	23.25	23.24	23.46	23.32	23.28		
20	QPSK	50	24	23.33	23.36	23.36	23.35	23.28	24.5	0
20	QPSK	50	50	23.29	23.36	23.44	23.38	23.22		
20	QPSK	100	0	23.30	23.35	23.43	23.31	23.24		
20	16QAM	1	0	23.23	23.20	23.41	23.39	23.27		
20	16QAM	1	49	23.38	23.34	23.39	23.43	23.41	24.5	0
20	16QAM	1	99	23.17	23.31	23.36	23.29	23.21		
20	16QAM	50	0	22.27	22.27	22.38	22.37	22.30		
20	16QAM	50	24	22.35	22.37	22.43	22.35	22.26		
20	16QAM	50	50	22.29	22.32	22.41	22.38	22.21	23.5	1
20	16QAM	100	0	22.31	22.35	22.45	22.33	22.21		
20	64QAM	1	0	22.25	22.20	22.37	22.38	22.20		
20	64QAM	1	49	22.23	22.32	22.36	22.34	22.26		
20	64QAM	1	99	22.11	22.28	22.31	22.30	22.17	23.5	1
20	64QAM	50	0	21.23	21.23	21.38	21.34	21.30		
20	64QAM	50	24	21.33	21.37	21.45	21.35	21.28		
20	64QAM	50	50	21.27	21.36	21.43	21.37	21.23		
20	64QAM	100	0	21.33	21.33	21.43	21.32	21.26	22.5	2
20	256QAM	1	0	19.38	19.34	19.51	19.48	19.39		
20	256QAM	1	49	19.31	19.42	19.42	19.33	19.24		
20	256QAM	1	99	19.29	19.42	19.34	19.35	19.24		
20	256QAM	50	0	19.36	19.13	19.45	19.25	19.29	20.5	4
20	256QAM	50	24	19.28	19.41	19.42	19.40	19.39		
20	256QAM	50	50	19.29	19.39	19.31	19.42	19.24		
20	256QAM	100	0	19.40	19.27	19.46	19.30	19.12		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.38	23.26	23.34	23.41	23.16	24.50	0
15	QPSK	1	37	23.18	23.15	23.41	23.26	23.27		
15	QPSK	1	74	23.05	23.23	23.35	23.42	23.18		
15	QPSK	36	0	23.26	23.19	23.39	23.30	23.20		
15	QPSK	36	20	23.24	23.22	23.31	23.20	23.20	24.5	0
15	QPSK	36	39	23.13	23.22	23.43	23.25	23.07		
15	QPSK	75	0	23.29	23.36	23.33	23.27	23.21		
15	16QAM	1	0	23.24	23.11	23.27	23.35	23.19		
15	16QAM	1	37	23.26	23.35	23.32	23.23	23.21	24.5	0
15	16QAM	1	74	23.04	23.26	23.27	23.20	23.20		
15	16QAM	36	0	22.09	22.25	22.35	22.21	22.20		
15	16QAM	36	20	22.30	22.27	22.39	22.27	22.25		
15	16QAM	36	39	22.12	22.31	22.29	22.37	22.08	23.5	1
15	16QAM	75	0	22.24	22.16	22.34	22.18	22.03		
15	64QAM	1	0	22.21	22.16	22.34	22.17	22.19		
15	64QAM	1	37	22.02	22.20	22.22	22.29	22.22		
15	64QAM	1	74	21.95	22.26	22.24	22.29	22.02	23.5	1
15	64QAM	36	0	21.09	21.01	21.29	21.30	21.22		
15	64QAM	36	20	21.28	21.32	21.35	21.22	21.16		
15	64QAM	36	39	21.29	21.25	21.36	21.25	21.09		
15	64QAM	75	0	21.27	21.22	21.29	21.10	21.18	20.5	4
15	256QAM	1	0	19.26	19.28	19.32	19.34	19.17		
15	256QAM	1	37	19.24	19.38	19.32	19.17	19.04		
15	256QAM	1	74	19.12	19.28	19.13	19.31	19.09		
15	256QAM	36	0	19.20	18.94	19.33	19.11	19.24	20.5	4
15	256QAM	36	20	19.07	19.21	19.28	19.19	19.26		
15	256QAM	36	39	19.27	19.31	19.14	19.24	19.04		
15	256QAM	75	0	19.33	19.17	19.35	19.18	18.99		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.27	23.22	23.35	23.39	23.23	24.50	0
10	QPSK	1	25	23.16	23.15	23.35	23.23	23.08		
10	QPSK	1	49	23.06	23.27	23.24	23.29	23.02		
10	QPSK	25	0	23.13	23.11	23.33	23.17	23.12		
10	QPSK	25	12	23.19	23.20	23.18	23.16	23.18	24.5	0
10	QPSK	25	25	23.17	23.20	23.25	23.28	23.09		
10	QPSK	50	0	23.12	23.25	23.26	23.12	23.04		
10	16QAM	1	0	23.10	23.00	23.22	23.20	23.09		
10	16QAM	1	25	23.25	23.15	23.23	23.28	23.27	24.5	0
10	16QAM	1	49	23.03	23.15	23.26	23.11	23.05		
10	16QAM	25	0	22.14	22.15	22.21	22.20	22.18		
10	16QAM	25	12	22.14	22.20	22.29	22.17	22.10		
10	16QAM	25	25	22.18	22.13	22.31	22.21	22.08	23.5	1
10	16QAM	50	0	22.17	22.25	22.24	22.17	22.12		
10	64QAM	1	0	22.15	22.00	22.24	22.29	22.01		
10	64QAM	1	25	22.09	22.18	22.22	22.15	22.06		
10	64QAM	1	49	21.97	22.11	22.19	22.19	22.02	23.5	1
10	64QAM	25	0	21.97	21.13	21.24	21.16	21.18		
10	64QAM	25	12	21.16	21.20	21.30	21.15	21.14		
10	64QAM	25	25	21.17	21.21	21.28	21.17	21.08		
10	64QAM	50	0	21.14	21.21	21.24	21.18	21.15	22.5	2
10	256QAM	1	0	19.29	19.15	19.30	19.32	19.27		
10	256QAM	1	25	19.20	19.30	19.27	19.15	19.11		
10	256QAM	1	49	19.18	19.32	19.15	19.16	19.10		
10	256QAM	25	0	19.21	18.99	19.34	19.06	19.08	20.5	4
10	256QAM	25	12	19.19	19.30	19.32	19.23	19.30		
10	256QAM	25	25	19.13	19.24	19.15	19.23	19.11		
10	256QAM	50	0	19.26	19.17	19.33	19.16	18.99		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.19	23.10	23.35	23.39	23.14	24.50	0
5	QPSK	1	12	23.21	23.29	23.38	23.19	23.11		
5	QPSK	1	24	23.13	23.29	23.33	23.25	23.02		
5	QPSK	12	0	23.14	23.04	23.37	23.17	23.03		
5	QPSK	12	7	23.14	23.17	23.12	23.17	23.05	24.5	0
5	QPSK	12	13	23.15	23.26	23.29	23.17	23.08		
5	QPSK	25	0	23.23	23.28	23.25	23.14	23.06		
5	16QAM	1	0	23.01	23.00	23.29	23.15	23.17		
5	16QAM	1	12	23.21	23.15	23.28	23.30	23.30	24.5	0
5	16QAM	1	24	23.01	23.12	23.30	23.18	23.00		
5	16QAM	12	0	22.04	22.10	22.18	22.13	22.15		
5	16QAM	12	7	22.19	22.31	22.30	22.27	22.09		
5	16QAM	12	13	22.23	22.13	22.33	22.28	22.16	23.5	1
5	16QAM	25	0	22.14	22.16	22.28	22.13	22.02		
5	64QAM	1	0	22.18	22.06	22.29	22.30	22.14		
5	64QAM	1	12	22.12	22.18	22.30	22.23	22.10		
5	64QAM	1	24	22.03	22.05	22.22	22.14	21.98	23.5	1
5	64QAM	12	0	21.02	21.14	21.29	21.23	21.11		
5	64QAM	12	7	21.10	21.22	21.34	21.17	21.14		
5	64QAM	12	13	21.15	21.12	21.24	21.28	21.08		
5	64QAM	25	0	21.18	21.10	21.32	21.20	21.01	22.5	2
5	256QAM	1	0	19.28	19.23	19.40	19.29	19.31		
5	256QAM	1	12	19.22	19.21	19.36	19.24	19.01		
5	256QAM	1	24	19.12	19.32	19.15	19.28	19.04		
5	256QAM	12	0	19.19	18.97	19.36	19.10	19.17	20.5	4
5	256QAM	12	7	19.06	19.26	19.26	19.29	19.16		
5	256QAM	12	13	19.12	19.20	19.18	19.26	19.01		
5	256QAM	25	0	19.32	19.09	19.29	19.19	19.07		

GSM1900 Ant4 DSIS							
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
	512	661	810		512	661	810
TX Channel	1850.2	1880	1909.8	1850.2	1880	1909.8	
Frequency (MHz)	26.59	26.81	26.64	27.50	17.59	17.81	17.64
GSM 1 Tx slot	26.51	26.73	26.59	27.50	17.51	17.73	17.59
GPRS 1 Tx slot	22.85	22.83	22.81	24.50	16.85	16.93	16.81
GPRS 2 Tx slots	20.54	20.56	20.53	21.50	16.28	16.30	16.27
GPRS 3 Tx slots	18.87	18.83	18.73	20.50	15.87	15.83	15.73
GPRS 4 Tx slots	25.18	25.59	25.25	26.50	16.18	16.59	16.25
EDGE 1 Tx slot	21.97	22.08	22.22	23.00	15.97	16.08	16.22
EDGE 2 Tx slots	20.22	20.64	20.39	21.50	15.96	16.38	16.13
EDGE 3 Tx slots	18.71	18.97	18.92	20.50	15.71	15.97	15.92
EDGE 4 Tx slots							

WCDMA II Ant4 DSIS				WCDMA IV Ant4 DSIS			
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV		
	9262	9400	9538		1312	1413	1513
TX Channel	9662	9800	9938	1537	1638	1738	
Rx Channel	1852.4	1880	1907.6	1712.4	1739.6	1752.6	
Frequency (MHz)	14.69	14.82	14.67	16.00	14.71	14.83	14.76
3GPP Rel 99 AMR 12.2kbps	14.86	14.91	14.74	16.00	14.79	14.92	14.81
3GPP Rel 99 RMC 12.2kbps	14.17	14.10	13.94	15.00	13.97	14.13	13.90
3GPP Rel 6 HSDPA Subtest-1	14.15	14.13	13.95	15.00	13.99	14.06	13.88
3GPP Rel 6 HSDPA Subtest-2	13.65	13.65	13.44	14.50	13.53	13.58	13.34
3GPP Rel 6 HSDPA Subtest-3	13.64	13.62	13.45	14.50	13.49	13.59	13.43
3GPP Rel 6 HSDPA Subtest-4	14.19	14.17	13.88	15.00	14.03	14.11	13.92
3GPP Rel 8 DC-HSDPA Subtest-1	14.05	14.02	13.89	15.00	14.07	14.02	13.82
3GPP Rel 8 DC-HSDPA Subtest-2	13.80	13.69	13.44	14.50	13.62	13.55	13.22
3GPP Rel 8 DC-HSDPA Subtest-3	13.59	13.50	13.53	14.50	13.55	13.61	13.34
3GPP Rel 8 DC-HSDPA Subtest-4	14.26	14.08	13.99	15.00	14.01	14.10	13.89
3GPP Rel 6 HSUPA Subtest-1	12.07	12.20	12.04	13.00	12.05	12.17	12.01
3GPP Rel 6 HSUPA Subtest-2	13.20	13.16	12.85	14.00	13.03	13.02	12.82
3GPP Rel 6 HSUPA Subtest-3	12.10	12.14	11.88	13.00	11.92	12.13	11.99
3GPP Rel 6 HSUPA Subtest-4	14.21	14.06	13.94	15.00	13.90	14.17	13.95
3GPP Rel 6 HSUPA Subtest-5							

Band 2 Ant4 D515										
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MFR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.20	16.33	16.20				
20	QPSK	1	49	16.11	16.27	16.17	17.5	0		
20	QPSK	1	99	16.18	16.20	16.14				
20	QPSK	50	0	16.23	16.31	16.27				
20	QPSK	50	24	16.24	16.23	16.26	17.5	0		
20	QPSK	50	50	16.18	16.23	16.21				
20	QPSK	100	0	16.16	16.26	16.23				
20	16QAM	1	0	16.10	16.07	16.09				
20	16QAM	1	49	16.22	16.11	16.14	17.5	0		
20	16QAM	1	99	16.16	16.12	16.25				
20	16QAM	50	0	16.27	16.32	16.27				
20	16QAM	50	24	16.21	16.28	16.28	17.5	0		
20	16QAM	50	50	16.23	16.19	16.19				
20	16QAM	100	0	16.15	16.07	16.32				
20	16QAM	1	49	16.16	16.04	16.18	17.5	0		
20	16QAM	1	99	16.20	16.26	16.15				
20	16QAM	50	24	16.16	16.28	16.24	17.5	0		
20	16QAM	50	50	16.06	16.21	16.30				
20	16QAM	100	0	16.24	16.27	16.23				
20	256QAM	1	0	16.10	16.06	16.10				
20	256QAM	1	49	16.28	16.20	15.99	17.5	0		
20	256QAM	1	99	16.12	16.14	16.03				
20	256QAM	50	0	16.02	16.16	16.28				
20	256QAM	50	24	16.09	16.22	16.16	17.5	0		
20	256QAM	50	50	16.10	16.20	16.17				
20	256QAM	100	0	16.02	16.16	16.14				
Channel										
Frequency (MHz)										
16	QPSK	1	0	16.07.5	16.060	16.020	Turn-up time (sec)	MFR (dB)		
16	QPSK	1	49	16.20	16.17	16.20				
16	QPSK	1	99	16.21	16.25	16.03	17.5	0		
16	QPSK	1	74	15.98	16.19	16.03				
16	QPSK	36	0	16.08	16.12	16.20				
16	QPSK	36	36	15.94	16.04	16.15	17.5	0		
16	QPSK	75	0	16.10	16.09	16.09				
16	QPSK	75	0	16.10	15.86	16.03				
16	16QAM	1	37	16.01	16.06	15.99	17.5	0		
16	16QAM	1	49	16.02	16.16	16.10				
16	16QAM	36	20	16.14	16.20	16.11	17.5	0		
16	16QAM	36	36	16.17	16.25	16.16				
16	16QAM	75	0	16.10	16.08	16.08				
16	16QAM	75	0	16.10	16.09	16.08				
16	16QAM	1	0	16.14	16.02	16.11	17.5	0		
16	16QAM	1	37	15.94	16.06	16.04				
16	16QAM	1	74	15.91	16.02	16.00				
16	16QAM	36	0	16.06	16.11	16.24	17.5	0		
16	16QAM	36	20	16.06	16.26	16.18				
16	16QAM	36	36	15.94	16.15	16.02				
16	16QAM	75	0	16.10	16.09	16.08				
16	256QAM	1	0	16.10	16.06	16.10				
16	256QAM	1	37	16.12	16.11	15.91	17.5	0		
16	256QAM	1	74	15.91	16.02	16.00				
16	256QAM	36	0	16.02	16.13	16.00				
16	256QAM	36	20	15.89	16.08	16.15	17.5	0		
16	256QAM	36	36	15.90	16.00	16.08				
16	256QAM	75	0	15.85	16.01	16.13				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.02	16.00	16.15	Turn-up time (sec)	MFR (dB)		
10	QPSK	1	25	16.12	16.27	16.16	17.5	0		
10	QPSK	1	49	16.11	16.01	16.14				
10	QPSK	1	74	16.17	16.36	16.10				
10	QPSK	25	12	16.10	16.21	16.19				
10	QPSK	25	25	16.08	16.22	16.23	17.5	0		
10	QPSK	36	0	16.04	16.23	16.03				
10	QPSK	36	0	16.08	15.89	16.05				
10	16QAM	1	25	16.02	15.93	16.04	17.5	0		
10	16QAM	1	49	16.13	16.11	16.07				
10	16QAM	25	0	16.13	16.31	16.16				
10	16QAM	25	12	16.06	16.15	16.20	17.5	0		
10	16QAM	25	25	16.03	16.20	16.11				
10	16QAM	50	0	16.04	16.14	16.18				
10	16QAM	1	0	16.00	16.00	16.25	17.5	0		
10	16QAM	1	25	16.12	16.04	16.14				
10	16QAM	1	49	16.01	16.28	15.97				
10	16QAM	25	0	15.91	16.09	16.08				
10	16QAM	25	12	16.06	16.27	16.01	17.5	0		
10	16QAM	25	25	16.00	16.06	16.01				
10	16QAM	50	0	16.10	16.15	16.06				
10	256QAM	1	0	16.06	16.18	16.08				
10	256QAM	1	25	16.28	16.13	16.90	17.5	0		
10	256QAM	1	49	15.93	16.12	16.89				
10	256QAM	25	0	15.90	16.06	16.07				
10	256QAM	25	12	16.00	16.21	16.06	17.5	0		
10	256QAM	25	25	15.92	16.15	16.99				
10	256QAM	50	0	15.97	16.08	16.10				
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.015	16.000	16.015	Turn-up time (sec)	MFR (dB)		
5	QPSK	1	12	16.21	16.18	16.05	17.5	0		
5	QPSK	1	24	15.90	16.08	16.03				
5	QPSK	12	0	16.16	16.18	16.16				
5	QPSK	12	7	16.00	16.12	16.23	17.5	0		
5	QPSK	12	13	15.99	16.04	16.05				
5	QPSK	26	0	16.03	16.07	15.98				
5	16QAM	1	0	16.08	16.02	15.87				
5	16QAM	1	12	16.04	16.05	16.13	17.5	0		
5	16QAM	1	24	15.93	15.98	16.15				
5	16QAM	12	0	16.07	16.07	16.14				
5	16QAM	12	7	16.00	16.23	16.20	17.5	0		
5	16QAM	12	13	15.97	16.01	16.12				
5	16QAM	26	0	15.94	16.11	16.19				
5	16QAM	1	0	16.07	15.87	16.15	17.5	0		
5	16QAM	1	12	15.96	16.01	15.90				
5	16QAM	1	24	16.13	16.17	16.09				
5	16QAM	12	0	16.04	16.26	16.19				
5	16QAM	12	7	15.93	16.20	16.04	17.5	0		
5	16QAM	12	13	15.93	15.97	16.16				
5	16QAM	26	0	16.04	16.16	16.13				
5	256QAM	1	0	16.06	16.03	16.08				
5	256QAM	1	12	16.16	16.06	15.82	17.5	0		
5	256QAM	1	24	15.94	15.96	15.87				
5	256QAM	12	0	15.91	15.92	16.03				
5	256QAM	12	7	16.04	16.06	16.10	17.5	0		
5	256QAM	12	13	15.95	16.09	16.05				
5	256QAM	26	0	15.79	15.99	15.89				
Channel										
Frequency (MHz)										
3	QPSK	1	0	16.12	16.14	16.12	Turn-up time (sec)	MFR (dB)		
3	QPSK	1	8	16.18	16.12	16.11	17.5	0		
3	QPSK	1	14	15.89	16.08	16.04				
3	QPSK	8	0	16.17	16.08	16.07				
3	QPSK	8	4	16.18	16.06	16.18	17.5	0		
3	QPSK	8	7	15.80	16.16	16.09				
3	QPSK	16	0	15.96	16.23	16.07				
3	16QAM	1	0	16.01	16.07	15.97				
3	16QAM	1	8	16.05	16.00	15.99	17.5	0		
3	16QAM	1	14	16.06	16.00	16.12				
3	16QAM	8	0	16.04	16.07	16.02				
3	16QAM	8	4	16.12	16.14	16.18	17.5	0		
3	16QAM	16	0	16.10	16.07	16.00				
3	16QAM	16	0	16.03	16.02	16.21				
3	16QAM	1	0	16.07	16.01	16.23	17.5	0		
3	16QAM	1	8	15.92	16.06	15.97				
3	16QAM	1	14	16.04	16.23	16.10				
3	16QAM	8	0	15.96	16.21	16.02				
3	16QAM	8	4	16.02	16.12	16.20				
3	16QAM	8	7	15.83	16.01	16.12	17.5	0		
3	16QAM	16	0	16.00	16.07	16.01				
3	256QAM	1	0	16.03	16.07	16.01				
3	256QAM	1	8	16.21	15.98	15.86	17.5	0		
3	256QAM	1	14	15.90	16.07	16.00				
3	256QAM	8	0	16.03	16.07	16.01	17.5	0		
3	256QAM	8	4	16.10	16.07	16.12				
3	256QAM	8	7	15.85	16.03	16.07	17.5	0		
3	256QAM	16	0	15.96	16.08	16.01				
3	256QAM	16	0	15.96	15.98	16.11				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	16.00	16.00	16.00	Turn-up time (sec)	MFR (dB)		
1.4	QPSK	1	0	16.10	16.10	16.10				
1.4	QPSK	1	0	16.07	16.08	16.06	17.5	0		
1.4	QPSK	3	0	16.05	16.10	16.03				
1.4	QPSK	3	0	16.00	16.00	16.00				
1.4	QPSK	3	0	16.07	16.07	16.07				
1.4	QPSK	3	0	16.05	16.15	16.10	17.5	0		
1.4	QPSK	3	0	16.02	16.19	16.07				
1.4	16QAM	1	0	16.04	16.01	16.04				
1.4	16QAM	1	0	16.00	16.00	16.00				
1.4	16QAM	3								

Band 25 Ant4 DSS1														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up Int. (dB)	MPN (dB)						
Channel														
1800 1800 1800														
20	QPSK	1	0	17.44	17.54	17.30	18.5	0						
20	QPSK	1	49	17.48	17.40	17.32								
20	QPSK	1	99	17.35	17.34	17.24								
20	QPSK	50	0	17.44	17.50	17.45								
20	QPSK	50	24	17.45	17.37	17.43	18.5	0						
20	QPSK	50	50	17.26	17.33	17.38								
20	QPSK	100	0	17.29	17.41	17.37								
20	16QAM	1	0	17.41	17.23	17.29								
20	16QAM	1	49	17.30	17.29	17.28	18.5	0						
20	16QAM	1	99	17.33	17.21	17.42								
20	16QAM	50	0	17.39	17.51	17.45								
20	16QAM	50	24	17.30	17.48	17.44								
20	16QAM	50	50	17.34	17.34	17.28	18.5	0						
20	16QAM	100	0	17.30	17.40	17.42								
20	8QAM	1	0	17.30	17.24	17.46								
20	8QAM	1	49	17.32	17.14	17.40	19.5	0						
20	8QAM	1	99	17.33	17.49	17.38								
20	8QAM	50	0	17.22	17.45	17.44								
20	8QAM	50	24	17.36	17.44	17.34								
20	8QAM	50	50	17.24	17.31	17.30	18.5	0						
20	8QAM	100	0	17.46	17.46	17.38								
20	8QAM	1	49	17.41	17.40	17.28								
20	8QAM	1	99	17.33	17.29	17.22								
20	256QAM	50	24	17.24	17.39	17.36	18.5	0						
20	256QAM	50	50	17.26	17.30	17.28								
20	256QAM	100	0	17.25	17.31	17.31								
Channel														
26115 26140 26165														
15	QPSK	1	0	1817.5	1880	1937.5	18.5	0						
15	QPSK	1	37	17.42	17.38	17.41								
15	QPSK	1	74	17.30	17.36	17.32								
15	QPSK	36	0	17.40	17.43	17.42								
15	QPSK	36	20	17.39	17.40	17.47	18.5	0						
15	QPSK	36	36	17.34	17.36	17.35								
15	QPSK	75	0	17.26	17.47	17.40								
15	16QAM	1	0	17.34	17.23	17.30								
15	16QAM	1	37	17.39	17.30	17.35	18.5	0						
15	16QAM	1	74	17.32	17.40	17.28								
15	16QAM	36	0	17.49	17.50	17.44								
15	16QAM	36	20	17.40	17.51	17.44								
15	16QAM	36	36	17.14	17.34	17.34	18.5	0						
15	16QAM	75	0	17.43	17.50	17.46								
15	256QAM	1	0	17.27	17.42	17.29								
15	256QAM	1	37	17.48	17.37	17.22								
15	256QAM	1	74	17.22	17.37	17.19	18.5	0						
15	256QAM	36	0	17.24	17.40	17.45								
15	256QAM	36	20	17.22	17.39	17.26								
15	256QAM	36	36	17.31	17.42	17.26								
15	256QAM	75	0	17.18	17.30	17.25								
Channel														
26165 26140 26140														
10	QPSK	1	0	17.36	17.51	17.42	18.5	0						
10	QPSK	1	25	17.41	17.45	17.34								
10	QPSK	1	49	17.27	17.41	17.24								
10	QPSK	25	0	17.46	17.50	17.48								
10	QPSK	25	12	17.37	17.51	17.34	18.5	0						
10	QPSK	25	25	17.32	17.38	17.38								
10	QPSK	80	0	17.41	17.40	17.38								
10	16QAM	1	0	17.42	17.24	17.31								
10	16QAM	1	25	17.42	17.31	17.37	18.5	0						
10	16QAM	1	49	17.36	17.21	17.24								
10	16QAM	25	0	17.40	17.51	17.49								
10	16QAM	25	12	17.38	17.50	17.45								
10	16QAM	25	25	17.32	17.38	17.38	18.5	0						
10	16QAM	50	0	17.39	17.39	17.45								
10	8QAM	1	0	17.27	17.38	17.47								
10	8QAM	1	25	17.36	17.44	17.28								
10	8QAM	1	49	17.35	17.40	17.31	18.5	0						
10	8QAM	25	0	17.21	17.44	17.42								
10	8QAM	25	12	17.31	17.42	17.33								
10	8QAM	25	25	17.30	17.42	17.39								
10	8QAM	50	0	17.41	17.40	17.35	18.5	0						
10	256QAM	1	0	17.31	17.45	17.31								
10	256QAM	1	25	17.38	17.32	17.17								
10	256QAM	1	49	17.23	17.35	17.22								
10	256QAM	25	0	17.26	17.35	17.28	18.5	0						
10	256QAM	25	12	17.21	17.37	17.15								
10	256QAM	25	25	17.29	17.38	17.24								
10	256QAM	50	0	17.23	17.23	17.33								
Channel														
26165 26140 26165														
5	QPSK	1	0	17.34	17.45	17.39	18.5	0						
5	QPSK	1	12	17.51	17.38	17.28								
5	QPSK	1	24	17.21	17.43	17.33								
5	QPSK	12	0	17.41	17.46	17.48								
5	QPSK	12	7	17.46	17.42	17.34	18.5	0						
5	QPSK	12	13	17.22	17.42	17.43								
5	QPSK	25	0	17.38	17.44	17.43								
5	16QAM	1	0	17.31	17.24	17.32								
5	16QAM	1	12	17.36	17.35	17.33	18.5	0						
5	16QAM	1	24	17.25	17.31	17.42								
5	16QAM	12	0	17.36	17.41	17.43								
5	16QAM	12	7	17.37	17.38	17.43								
5	16QAM	12	13	17.44	17.38	17.32	18.5	0						
5	16QAM	25	0	17.35	17.61	17.37								
5	8QAM	1	0	17.26	17.27	17.43								
5	8QAM	1	12	17.37	17.18	17.37								
5	8QAM	1	24	17.36	17.42	17.39	18.5	0						
5	8QAM	12	0	17.23	17.44	17.46								
5	8QAM	12	7	17.28	17.47	17.39								
5	8QAM	12	13	17.28	17.30	17.38								
5	8QAM	25	0	17.46	17.39	17.47	18.5	0						
5	256QAM	1	0	17.33	17.47	17.27								
5	256QAM	1	12	17.48	17.40	17.15								
5	256QAM	1	24	17.22	17.27	17.16								
5	256QAM	12	0	17.27	17									

Band 38 Ant4 DSIS									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	18.84	19.04	18.76	19.5	0	
20	QPSK	1	49	18.89	18.74	18.75			
20	QPSK	1	99	18.93	18.92	18.88			
20	QPSK	50	0	18.74	18.92	18.84	19.5	0	
20	QPSK	50	24	18.77	18.87	18.85			
20	QPSK	50	50	18.90	18.73	18.90			
20	QPSK	100	0	18.71	18.91	18.72	19.5	0	
20	16QAM	1	0	18.66	18.66	18.93			
20	16QAM	1	49	18.65	18.74	18.68			
20	16QAM	1	99	18.83	18.74	18.71	19.5	0	
20	16QAM	50	0	18.83	18.71	18.75			
20	16QAM	50	24	18.73	18.77	18.82			
20	16QAM	50	50	18.72	18.81	18.70	19.5	0	
20	16QAM	100	0	18.82	18.82	18.75			
20	64QAM	1	0	18.70	18.69	18.65			
20	64QAM	1	49	18.90	18.88	18.68	19.5	0	
20	64QAM	1	99	18.72	18.80	18.83			
20	64QAM	50	0	18.83	18.75	18.72			
20	64QAM	50	24	18.72	18.73	18.85	19.5	0	
20	64QAM	50	50	18.76	18.89	18.86			
20	64QAM	100	0	18.67	18.86	18.85			
20	256QAM	1	0	18.60	18.70	18.60	19.5	0	
20	256QAM	1	49	18.69	18.56	18.60			
20	256QAM	1	99	18.50	18.72	18.56			
20	256QAM	50	0	18.59	18.69	18.68	19.5	0	
20	256QAM	50	24	18.52	18.68	18.52			
20	256QAM	50	50	18.55	18.54	18.58			
20	256QAM	100	0	18.63	18.57	18.52			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	18.89	19.00	18.92	19.5	0	
15	QPSK	1	37	18.89	18.91	18.79			
15	QPSK	1	74	19.02	19.03	18.87			
15	QPSK	36	0	18.94	19.01	18.96	19.5	0	
15	QPSK	36	20	18.75	19.00	18.89			
15	QPSK	36	39	18.93	18.85	18.97			
15	QPSK	75	0	18.79	19.02	18.88	19.5	0	
15	16QAM	1	0	18.83	18.80	18.98			
15	16QAM	1	37	18.94	18.86	18.71			
15	16QAM	1	74	18.81	18.76	18.71	19.5	0	
15	16QAM	36	0	18.97	18.73	18.83			
15	16QAM	36	20	18.83	18.93	19.02			
15	16QAM	36	39	18.73	18.91	18.79	19.5	0	
15	16QAM	75	0	18.84	18.93	18.93			
15	64QAM	1	0	18.69	18.77	18.76			
15	64QAM	1	37	19.00	18.92	18.73	19.5	0	
15	64QAM	1	74	18.73	18.87	18.85			
15	64QAM	36	0	18.81	18.86	18.89			
15	64QAM	36	20	18.85	18.85	18.94	19.5	0	
15	64QAM	36	39	18.88	18.96	18.86			
15	64QAM	75	0	18.75	19.00	18.86			
15	256QAM	1	0	18.70	18.81	18.73	19.5	0	
15	256QAM	1	37	18.96	18.81	18.77			
15	256QAM	1	74	18.90	18.77	19.01			
15	256QAM	36	0	18.73	18.85	18.70	19.5	0	
15	256QAM	36	20	18.91	18.87	18.97			
15	256QAM	36	39	18.88	18.91	18.80			
15	256QAM	75	0	18.92	18.94	19.03			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	18.84	18.97	18.81	19.5	0	
10	QPSK	1	25	19.02	18.85	18.90			
10	QPSK	1	49	19.00	18.99	18.89			
10	QPSK	25	0	18.82	19.02	19.00	19.5	0	
10	QPSK	25	12	18.90	18.98	18.81			
10	QPSK	25	25	19.01	18.88	18.99			
10	QPSK	50	0	18.72	18.97	18.74	19.5	0	
10	16QAM	1	0	18.63	18.74	18.89			
10	16QAM	1	25	18.61	18.86	18.68			
10	16QAM	1	49	18.87	18.72	18.66	19.5	0	
10	16QAM	25	0	18.84	18.76	18.92			
10	16QAM	25	12	18.85	18.72	18.77			
10	16QAM	25	25	18.79	18.89	18.64	19.5	0	
10	16QAM	50	0	18.97	18.78	18.87			
10	64QAM	1	0	18.65	18.77	18.81			
10	64QAM	1	25	18.95	18.91	18.71	19.5	0	
10	64QAM	1	49	18.67	18.92	18.90			
10	64QAM	25	0	18.87	18.89	18.72			
10	64QAM	25	12	18.81	18.77	18.80	19.5	0	
10	64QAM	25	25	18.87	18.90	18.95			
10	64QAM	50	0	18.64	18.93	18.92			
10	256QAM	1	0	18.65	18.94	18.82	19.5	0	
10	256QAM	1	25	19.00	18.72	18.76			
10	256QAM	1	49	18.91	18.75	18.80			
10	256QAM	25	0	18.67	18.61	18.64	19.5	0	
10	256QAM	25	12	18.99	18.88	18.95			
10	256QAM	25	25	18.67	18.91	18.83			
10	256QAM	50	0	18.87	18.89	18.93			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	18.77	18.85	18.82	19.5	0	
5	QPSK	1	12	18.82	18.64	18.75			
5	QPSK	1	24	18.83	18.89	18.92			
5	QPSK	12	0	18.75	18.84	18.81	19.5	0	
5	QPSK	12	7	18.76	18.91	18.85			
5	QPSK	12	13	18.83	18.70	18.98			
5	QPSK	25	0	18.65	19.00	18.81	19.5	0	
5	16QAM	1	0	18.76	18.75	18.85			
5	16QAM	1	12	18.67	18.67	18.79			
5	16QAM	1	24	18.78	18.75	18.79	19.5	0	
5	16QAM	12	0	18.94	18.83	18.66			
5	16QAM	12	7	18.61	18.66	18.93			
5	16QAM	12	13	18.71	18.85	18.69	19.5	0	
5	16QAM	25	0	18.85	18.85	18.86			
5	64QAM	1	0	18.70	18.68	18.62			
5	64QAM	1	12	18.87	18.96	18.76	19.5	0	
5	64QAM	1	24	18.61	18.87	18.91			
5	64QAM	12	0	18.93	18.86	18.76			
5	64QAM	12	7	18.60	18.65	18.79	19.5	0	
5	64QAM	12	13	18.67	18.97	18.88			
5	64QAM	25	0	18.70	18.83	18.83			
5	256QAM	1	0	18.59	18.81	18.64	19.5	0	
5	256QAM	1	12	18.95	18.67	18.82			
5	256QAM	1	24	18.90	18.79	18.82			
5	256QAM	12	0	18.71	18.73	18.62	19.5	0	
5	256QAM	12	7	18.78	18.85	18.93			
5	256QAM	12	13	18.80	18.68	18.72			
5	256QAM	25	0	18.68	18.80	18.86			

Band 41 Ant4 DSI5												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490	19.5	0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	18.82	18.76	19.05	18.87	19.02				
20	QPSK	1	49	18.97	18.77	18.88	19.02	18.80	19.5	0		
20	QPSK	1	99	18.96	18.86	18.98	18.92	19.01				
20	QPSK	50	0	18.97	18.76	18.99	18.86	18.77				
20	QPSK	50	24	18.87	18.89	18.80	18.93	18.95				
20	QPSK	50	50	18.86	18.90	18.97	18.95	18.94				
20	QPSK	100	0	18.88	18.78	18.94	18.76	18.87				
20	16QAM	1	0	18.77	18.87	18.86	18.91	18.77	19.5	0		
20	16QAM	1	49	18.95	18.81	18.86	18.88	18.91				
20	16QAM	1	99	18.97	18.84	18.96	18.94	18.82				
20	16QAM	50	0	18.82	18.78	18.79	18.88	18.99				
20	16QAM	50	24	18.77	18.94	18.81	18.97	19.00				
20	16QAM	50	50	18.84	18.98	18.81	18.83	18.98				
20	16QAM	100	0	18.73	18.78	18.86	18.87	18.85	19.5	0		
20	64QAM	1	0	18.97	19.02	18.92	18.99	19.01				
20	64QAM	1	49	18.73	18.90	18.79	18.95	18.91				
20	64QAM	1	99	18.80	18.81	18.88	18.78	18.97				
20	64QAM	50	0	18.81	18.75	18.73	18.94	18.98				
20	64QAM	50	24	18.74	18.78	18.87	18.94	18.87				
20	64QAM	50	50	18.86	18.75	18.87	19.02	18.93	19.5	0		
20	64QAM	100	0	18.98	18.85	18.80	18.90	18.74				
20	256QAM	1	0	18.82	18.88	18.73	18.66	18.81				
20	256QAM	1	49	18.71	18.73	18.81	18.89	18.81				
20	256QAM	1	99	18.87	18.86	18.78	18.92	18.88				
20	256QAM	50	0	18.69	18.73	18.90	18.76	18.65				
20	256QAM	50	24	18.73	18.88	18.65	18.70	18.89	19.5	0		
20	256QAM	50	50	18.64	18.72	18.83	18.77	18.66				
20	256QAM	100	0	18.88	18.89	18.89	18.81	18.67				
Channel				39725	40173	40620	41068	41515			19.50	0
Frequency (MHz)				2503.5	2542.3	2593	2637.8	2682.5				
15	QPSK	1	0	18.76	18.59	19.03	18.76	18.91				
15	QPSK	1	37	18.85	18.73	18.82	18.86	18.67	19.5	0		
15	QPSK	1	74	18.78	18.69	18.96	18.79	18.90				
15	QPSK	36	0	18.78	18.72	18.92	18.78	18.76				
15	QPSK	36	20	18.85	18.85	18.76	18.76	18.90				
15	QPSK	36	39	18.74	18.71	18.77	18.80	18.77				
15	QPSK	75	0	18.70	18.59	18.88	18.76	18.77				
15	16QAM	1	0	18.59	18.67	18.76	18.79	18.67	19.5	0		
15	16QAM	1	37	18.87	18.66	18.85	18.68	18.85				
15	16QAM	1	74	18.85	18.73	18.85	18.92	18.79				
15	16QAM	36	0	18.68	18.77	18.60	18.80	18.81				
15	16QAM	36	20	18.72	18.88	18.62	18.84	18.93				
15	16QAM	36	39	18.79	18.92	18.62	18.74	18.84				
15	16QAM	75	0	18.71	18.60	18.77	18.81	18.69	19.5	0		
15	64QAM	1	0	18.81	18.85	18.84	18.90	18.70				
15	64QAM	1	37	18.73	18.85	18.73	18.78	18.91				
15	64QAM	1	74	18.65	18.80	18.71	18.66	18.83				
15	64QAM	36	0	18.67	18.60	18.70	18.88	18.78				
15	64QAM	36	20	18.55	18.62	18.73	18.90	18.86				
15	64QAM	36	39	18.69	18.56	18.79	18.69	18.96	19.5	0		
15	64QAM	75	0	18.97	18.75	18.66	18.77	18.70				
15	256QAM	1	0	18.68	18.84	18.54	18.56	18.68				
15	256QAM	1	37	18.57	18.59	18.81	18.79	18.69				
15	256QAM	1	74	18.85	18.81	18.70	18.74	18.69				
15	256QAM	36	0	18.63	18.66	18.87	18.66	18.57				
15	256QAM	36	20	18.67	18.82	18.57	18.52	18.86	19.5	0		
15	256QAM	36	39	18.51	18.68	18.76	18.65	18.59				
15	256QAM	75	0	18.77	18.86	18.74	18.76	18.52				
Channel				39700	40160	40620	41080	41540			19.50	0
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	18.57	18.55	18.89	18.73	18.86				
10	QPSK	1	25	18.75	18.61	18.82	18.86	18.58	19.5	0		
10	QPSK	1	49	18.76	18.78	18.75	18.73	18.91				
10	QPSK	25	0	18.85	18.54	18.88	18.67	18.65				
10	QPSK	25	12	18.82	18.69	18.69	18.75	18.77				
10	QPSK	25	25	18.81	18.67	18.85	18.74	18.85				
10	QPSK	50	0	18.70	18.57	18.87	18.59	18.73				
10	16QAM	1	0	18.62	18.71	18.65	18.84	18.58	19.5	0		
10	16QAM	1	25	18.78	18.69	18.76	18.80	18.83				
10	16QAM	1	49	18.85	18.62	18.90	18.73	18.57				
10	16QAM	25	0	18.82	18.68	18.73	18.79	18.90				
10	16QAM	25	12	18.58	18.72	18.62	18.88	18.82				
10	16QAM	25	25	18.60	18.77	18.63	18.64	18.90				
10	16QAM	50	0	18.48	18.64	18.66	18.77	18.73	19.5	0		
10	64QAM	1	0	18.87	18.88	18.70	18.93	18.73				
10	64QAM	1	25	18.59	18.84	18.66	18.78	18.74				
10	64QAM	1	49	18.60	18.62	18.66	18.54	18.84				
10	64QAM	25	0	18.61	18.58	18.58	18.78	18.84				
10	64QAM	25	12	18.54	18.67	18.62	18.73	18.76				
10	64QAM	25	25	18.61	18.52	18.67	18.77	18.70	19.5	0		
10	64QAM	50	0	18.80	18.69	18.72	18.73	18.67				
10	256QAM	1	0	18.73	18.72	18.67	18.52	18.65				
10	256QAM	1	25	18.62	18.49	18.59	18.66	18.66				
10	256QAM	1	49	18.81	18.78	18.72	18.81	18.62				
10	256QAM	25	0	18.52	18.49	18.82	18.69	18.53				
10	256QAM	25	12	18.53	18.77	18.50	18.48	18.76	19.5	0		
10	256QAM	25	25	18.58	18.65	18.67	18.66	18.44				
10	256QAM	50	0	18.68	18.70	18.78	18.58	18.55				
Channel				39675	40168	40620	41083	41565			19.50	0
Frequency (MHz)				2498.5	2543.5	2593	2640.5	2682.5				
5	QPSK	1	0	18.63	18.53	18.93	18.76	18.86				
5	QPSK	1	12	18.69	18.59	18.77	18.81	18.58	19.5	0		
5	QPSK	1	24	18.86	18.66	18.86	18.68	18.85				
5	QPSK	12	0	18.78	18.53	18.83	18.62	18.52				
5	QPSK	12	7	18.66	18.71	18.68	18.82	18.68				
5	QPSK	12	13	18.64	18.70	18.82	18.71	18.76				
5	QPSK	25	0	18.76	18.62	18.71	18.58	18.74				
5	16QAM	1	0	18.59	18.77	18.75	18.76	18.56	19.5	0		
5	16QAM	1	12	18.75	18.59	18.72	18.65	18.65				
5	16QAM	1	24	18.81	18.59	18.68	18.67	18.55				
5	16QAM	12	0	18.69	18.64	18.52	18.71	18.78				
5	16QAM	12	7	18.55	18.81	18.59	18.80	18.67				
5	16QAM	12	13	18.56	18.81	18.60	18.63	18.73				
5	16QAM	25	0	18.47	18.61	18.67	18.75	18.61	19.5	0		
5	64QAM	1	0	18.75	18.81	18.79	18.82	18.60				
5	64QAM	1	12	18.59	18.64	18.54	18.84	18.62				
5	64QAM	1	24	18.54	18.64	18.73	18.67	18.87				
5	64QAM	12	0	18.66	18.62	18.52	18.68	18.75				
5	64QAM	12	7	18.54	18.54	18.63	18.83	18.75				
5	64QAM	12	13	18.72	18.49	18.73	18.81	18.76	19.5	0		
5	64QAM	25	0	18.81	18.60	18.59	18.65	18.58				
5	256QAM	1	0	18.57	18.65	18.50	18.51	18.61				
5	256QAM	1	12	18.61	18.53	18.56	18.68	18.63				
5	256QAM	1	24	18.62	18.64	18.50	18.78	18.59				
5	256QAM	12	0	18.46	18.43	18.77	18.54	18.38				
5	256QAM	12	7	18.53	18.70	18.54	18.59	18.67	19.5	0		
5	256QAM	12	13	18.49	18.59	18.53	18.52	18.39				
5	256QAM	25	0	18.76	18.65	18.61	18.56	18.55				

Band 4 Ant5_DSIS														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 20050	Power High Ch./Freq. 20175	Power High Ch./Freq. 20300	Turnup time (dBs)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	16.81	16.93	16.84	20.5	0						
20	QPSK	1	49	16.87	16.73	16.75								
20	QPSK	1	99	16.74	16.68	16.76								
20	QPSK	50	0	16.68	16.76	16.61								
20	QPSK	50	24	16.71	16.54	16.67								
20	QPSK	50	50	16.61	16.65	16.58	20.5	0						
20	QPSK	100	0	16.67	16.73	16.55								
20	16QAM	1	0	16.92	16.91	16.80								
20	16QAM	1	49	16.88	16.84	16.79								
20	16QAM	1	99	16.76	16.84	16.90								
20	16QAM	50	0	16.71	16.84	16.96	20.5	0						
20	16QAM	50	24	16.71	16.65	16.96								
20	16QAM	50	50	16.76	16.63	16.61								
20	16QAM	100	0	16.63	16.67	16.65								
20	16QAM	1	0	16.68	16.82	16.62								
20	64QAM	1	49	16.63	16.86	16.85	20.5	0						
20	64QAM	1	99	16.79	16.77	16.79								
20	64QAM	50	0	16.63	16.68	16.71								
20	64QAM	50	24	16.64	16.69	16.63								
20	64QAM	50	50	16.62	16.77	16.56								
20	256QAM	1	0	17.74	17.78	17.77	19.5	1						
20	256QAM	1	49	17.68	17.75	17.75								
20	256QAM	1	99	17.79	17.69	17.68								
20	256QAM	50	0	17.66	17.73	17.72								
20	256QAM	50	24	17.77	17.61	17.65								
20	256QAM	50	50	17.72	17.79	17.80	19.5	1						
20	256QAM	100	0	17.69	17.66	17.62								
Channel														
Frequency (MHz)														
16	QPSK	1	0	16.68	16.84	16.77	20.5	0						
16	QPSK	1	37	16.67	16.74	16.74								
16	QPSK	1	74	16.63	16.62	16.58								
16	QPSK	36	0	16.69	16.63	16.53								
16	QPSK	36	20	16.54	16.52	16.46								
16	QPSK	36	36	16.55	16.57	16.55	20.5	0						
16	QPSK	75	0	16.62	16.72	16.56								
16	16QAM	1	0	16.76	16.76	16.72								
16	16QAM	1	37	16.77	16.78	16.79								
16	16QAM	1	74	16.74	16.76	16.75								
16	16QAM	36	0	16.67	16.65	16.51	20.5	0						
16	16QAM	36	20	16.51	16.60	16.71								
16	16QAM	36	36	16.58	16.57	16.52								
16	16QAM	75	0	16.54	16.54	16.55								
16	64QAM	1	0	16.50	16.62	16.51	20.5	0						
16	64QAM	1	37	16.67	16.72	16.72								
16	64QAM	1	74	16.78	16.75	16.63								
16	64QAM	36	0	16.51	16.69	16.67								
16	64QAM	36	20	16.58	16.56	16.54								
16	64QAM	36	36	16.52	16.72	16.50	20.5	0						
16	64QAM	75	0	16.65	16.63	16.64								
16	256QAM	1	0	17.66	17.66	17.66								
16	256QAM	1	37	17.68	17.70	17.70								
16	256QAM	1	74	17.61	17.58	17.68								
16	256QAM	36	0	17.66	17.66	17.66	19.5	1						
16	256QAM	36	20	17.74	17.60	17.79								
16	256QAM	36	36	17.73	17.70	17.72								
16	256QAM	75	0	17.63	17.75	17.63								
Channel														
Frequency (MHz)														
10	QPSK	1	0	16.64	16.70	16.64	20.5	0						
10	QPSK	1	25	16.66	16.59	16.72								
10	QPSK	1	49	16.58	16.61	16.58								
10	QPSK	25	0	16.65	16.65	16.57								
10	QPSK	25	12	16.75	16.52	16.66								
10	QPSK	25	25	16.61	16.61	16.55	20.5	0						
10	QPSK	50	0	16.66	16.70	16.57								
10	16QAM	1	0	16.81	16.71	16.64								
10	16QAM	1	25	16.78	16.73	16.60								
10	16QAM	1	49	16.68	16.73	16.80								
10	16QAM	25	0	16.67	16.76	16.73	20.5	0						
10	16QAM	25	12	16.67	16.53	16.73								
10	16QAM	25	25	16.76	16.68	16.68								
10	16QAM	50	0	16.57	16.63	16.53								
10	64QAM	1	0	16.64	16.68	16.72								
10	64QAM	1	25	16.65	16.54	16.65	20.5	0						
10	64QAM	1	49	16.74	16.59	16.60								
10	64QAM	25	0	16.59	16.76	16.63								
10	64QAM	25	12	16.67	16.73	16.64								
10	64QAM	25	25	16.73	16.78	16.64								
10	64QAM	50	0	16.65	16.57	16.67	19.5	1						
10	256QAM	1	0	17.78	17.71	17.72								
10	256QAM	1	25	17.63	17.71	17.72								
10	256QAM	1	49	17.74	17.69	17.70								
10	256QAM	25	0	17.65	17.74	17.67								
10	256QAM	25	12	17.79	17.66	17.79	19.5	1						
10	256QAM	25	25	17.60	17.62	17.76								
10	256QAM	50	0	17.78	17.66	17.61								
Channel														
Frequency (MHz)														
5	QPSK	1	0	16.59	16.72	16.64	20.5	0						
5	QPSK	1	12	16.56	16.55	16.69								
5	QPSK	1	24	16.71	16.51	16.69								
5	QPSK	12	0	16.62	16.62	16.52								
5	QPSK	12	7	16.57	16.60	16.59								
5	QPSK	12	13	16.65	16.69	16.59	20.5	0						
5	QPSK	25	0	16.67	16.67	16.52								
5	16QAM	1	0	16.62	16.76	16.79								
5	16QAM	1	12	16.64	16.73	16.68								
5	16QAM	1	24	16.69	16.68	16.62								
5	16QAM	12	0	16.58	16.61	16.72	20.5	0						
5	16QAM	12	7	16.68	16.52	16.66								
5	16QAM	12	13	16.60	16.66	16.54								
5	16QAM	25	0	16.68	16.67	16.64								
5	64QAM	1	0	16.62	16.84	16.81								
5	64QAM	1	12	16.73	16.74	16.69	20.5	0						
5	64QAM	1	24	16.81	16.69	16.68								
5	64QAM	12	0	16.60	16.72	16.62								
5	64QAM	12	7	16.67	16.70	16.63								
5	64QAM	12	13	16.67	16.78	16.62								
5	64QAM	25	0	16.79	16.70	16.56	19.5	1						
5	256QAM	1	0	17.71	17.67	17.65								
5	256QAM	1	12	17.64	17.69	17.68								
5	256QAM	1	24	17.70	17.67	17.60								
5	256QAM	12	0	17.61	17.7	17.59	19.5	1						
5	256QAM	12	7	17.68	17.57	17.61								
5	256QAM	12	13	17.69	17.76	17.62								
5	256QAM	25	0	17.70	17.75	17.75								
5	256QAM	25	12	17.77	17.65	17.77	19.5	1						
5	256QAM	25	25	17.60	17.62	17.76								
Channel														
Frequency (MHz)														
3	QPSK	1	0	16.60	16.77	16.77	20.5	0						
3	QPSK	1	8	16.53	16.55	16.56								
3	QPSK	1	16	16.64	16.62	16.54								
3	QPSK	8	0	16.61	16.68	16.58								
3	QPSK	8	4	16.54	16.51	16.50								
3	QPSK	8	12	16.65	16.62	16.52	20.5	0						
3	QPSK	16	0	16.65	16.73	16.64								
3	QPSK	16	8	16.62	16.69	16.60								
3	QPSK	16	16	16.69	16.69	16.63								
3	QPSK	32	0	16.67	16.73	16.63								
3	16QAM	1	14	16.67	16.77	16.83	20.5	0						
3	16QAM	1	22	16.65	16.74	16.80								
3	16QAM	1	30	16.75	16.74	16.83								
3	16QAM	8	8	16.61	16.68	16.58								
3	16QAM	8	16	16.69	16.67	16.59								
3	16QAM	8	24	16.63	16.69	16.77	20.5	0						
3	16QAM	8	32	16.61	16.68	16.73								
3	16QAM	8	40	16.67	16.73	16.82								
3	16QAM	16	0	16.63	16.63	16.55								
3	16QAM	16	8	16.76	16.77	16.68								
3	256QAM	1	0	17.76	17.67	17.68	19.5	1						
3	256QAM	1	8	17.69	17.62	17.63								
3	256QAM	1	16	17.72	17.70	17.63								
3	256QAM	16	0	17.63	17.68	17.63								
3	256QAM	16	8	17.70	17.65	17.63								
3	256QAM	8	0	17.65	17.68	17.72	19.5	1						
3	256QAM	8	8	17.77	17.62	17.60								
3	256QAM	8	16	17.77	17.62	17.60								
3	256QAM	15	0	17.77	17.65	17.77								
3	256QAM	15	8	17.71	17.61	17.61								
3	256QAM	15	16	17.77	17.65	17.77	19.5	1						
1.4	QPSK	1	0	16.58	16.69	16.58								
1.4	QPSK	1	8	16.52	16.58	16.58								
1.4	QPSK	1	16	16.62	16.78	16.78								
1.4	QPSK	8	0	16.77	16.60	16.52	20.5	0						
1.4	QPSK	8	8	16.60	16.62	16.57								
1.4	QPSK	8	16	16.68	16.64	16.57								
1.4	QPSK	16	0	16.61	16.75	16.67								
1.4	QPSK	16	8	16.61	16.52	16.52								
1.4	QPSK	32	0	16.61	16.52	16.52	20.5	0						
1.4	QPSK	32	8	16.60	16.77	16.74								
1.4	QPSK	32	16	16.69	16.74	16.67								
1.4	QPSK	64	0	16.59	16.73	16.73								
1.4	QPSK	64	8	16.67	16.68	16.63								
1.4	16QAM	1	0	16.69	16.95	16.85	20.5	0						
1.4	16QAM	1	8	16.66	16.86	16.82								
1.4	16QAM	1	16	16.73	16.87	16.87								
1.4	16QAM	8	0	16.66	16.85	16.85								
1.4	16QAM	8	8	16.74	16.83	16.84								
1.4	16QAM	8	16	16.66	16.68	16.70								

Band 38 Ant5 DS15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel Frequency (MHz)				37850	38000	38150			
20	QPSK	1	0	22.49	22.56	22.41	23.5	0	
20	QPSK	1	49	22.33	22.45	22.34			
20	QPSK	1	99	22.39	22.36	22.38			
20	QPSK	50	0	22.33	22.39	22.34	23.5	0	
20	QPSK	50	24	22.24	22.26	22.35			
20	QPSK	50	50	22.38	22.27	22.31			
20	QPSK	100	0	22.23	22.37	22.27	23.5	0	
20	16QAM	1	0	22.29	22.41	22.44			
20	16QAM	1	49	22.43	22.47	22.36			
20	16QAM	1	99	22.43	22.35	22.38	23.5	0	
20	16QAM	50	0	22.32	22.32	22.24			
20	16QAM	50	24	22.25	22.43	22.26			
20	16QAM	50	50	22.44	22.46	22.20	23.5	0	
20	16QAM	100	0	22.23	22.19	22.40			
20	64QAM	1	0	22.23	22.41	22.33	23.5	0	
20	64QAM	1	49	22.30	22.43	22.36			
20	64QAM	1	99	22.28	22.23	22.32			
20	64QAM	50	0	21.36	21.36	21.37	22.5	1	
20	64QAM	50	24	21.39	21.39	21.44			
20	64QAM	50	50	21.32	21.48	21.38			
20	64QAM	100	0	21.33	21.34	21.41	20.5	3	
20	256QAM	1	0	19.04	19.26	18.99			
20	256QAM	1	49	19.16	19.06	19.06			
20	256QAM	1	99	19.16	19.21	19.04	20.5	3	
20	256QAM	50	0	18.99	19.22	19.21			
20	256QAM	50	24	19.07	19.05	19.19			
20	256QAM	50	50	19.25	19.35	19.12	20.5	3	
20	256QAM	100	0	19.10	19.27	19.13			
Channel Frequency (MHz)				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
				2577.5	2595	2612.5			
15	QPSK	1	0	22.47	22.46	22.23	23.5	0	
15	QPSK	1	37	22.22	22.27	22.17			
15	QPSK	1	74	22.35	22.21	22.35			
15	QPSK	36	0	22.29	22.30	22.34	23.5	0	
15	QPSK	36	20	22.24	22.15	22.22			
15	QPSK	36	39	22.34	22.20	22.22			
15	QPSK	75	0	22.10	22.28	22.24	23.5	0	
15	16QAM	1	0	22.17	22.42	22.37			
15	16QAM	1	37	22.27	22.25	22.16			
15	16QAM	1	74	22.28	22.32	22.18	23.5	0	
15	16QAM	36	0	22.18	22.13	22.20			
15	16QAM	36	20	22.09	22.25	22.07			
15	16QAM	36	39	22.35	22.31	22.17	23.5	0	
15	16QAM	75	0	22.04	21.99	22.28			
15	64QAM	1	0	22.16	22.42	22.24			
15	64QAM	1	37	22.17	22.45	22.24	23.5	0	
15	64QAM	1	74	22.11	22.13	22.22			
15	64QAM	36	0	21.25	21.22	21.38	22.5	1	
15	64QAM	36	20	21.38	21.28	21.42			
15	64QAM	36	39	21.28	21.31	21.38			
15	64QAM	75	0	21.18	21.21	21.27	20.5	3	
15	256QAM	1	0	19.14	19.21	19.03			
15	256QAM	1	37	19.22	19.05	19.16			
15	256QAM	1	74	19.09	19.18	19.15	20.5	3	
15	256QAM	36	0	19.10	19.32	19.24			
15	256QAM	36	20	19.12	19.02	19.25			
15	256QAM	36	39	19.21	19.34	19.16	20.5	3	
15	256QAM	75	0	19.09	19.24	19.14			
Channel Frequency (MHz)				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
				2575	2595	2615			
10	QPSK	1	0	22.45	22.38	22.19	23.5	0	
10	QPSK	1	25	22.20	22.31	22.14			
10	QPSK	1	49	22.35	22.32	22.17			
10	QPSK	25	0	22.25	22.31	22.14	23.5	0	
10	QPSK	25	12	22.18	22.06	22.16			
10	QPSK	25	25	22.22	22.16	22.20			
10	QPSK	50	0	21.98	22.12	22.07	23.5	0	
10	16QAM	1	0	22.25	22.22	22.28			
10	16QAM	1	25	22.18	22.31	22.26			
10	16QAM	1	49	22.27	22.30	22.30	23.5	0	
10	16QAM	25	0	22.07	22.27	22.03			
10	16QAM	25	12	22.16	22.27	22.05			
10	16QAM	25	25	22.31	22.36	22.07	23.5	0	
10	16QAM	50	0	22.19	22.09	22.33			
10	64QAM	1	0	22.00	22.34	22.26			
10	64QAM	1	25	22.16	22.35	22.26	23.5	0	
10	64QAM	1	49	22.08	22.00	22.12			
10	64QAM	25	0	21.26	21.10	21.26			
10	64QAM	25	12	21.24	21.32	21.21	22.5	1	
10	64QAM	25	25	21.27	21.23	21.21			
10	64QAM	50	0	21.17	21.15	21.21			
10	256QAM	1	0	19.11	19.23	19.04	20.5	3	
10	256QAM	1	25	19.17	19.18	19.15			
10	256QAM	1	49	19.08	19.15	19.14			
10	256QAM	25	0	19.03	19.27	19.23	20.5	3	
10	256QAM	25	12	19.11	19.06	19.27			
10	256QAM	25	25	19.23	19.35	19.10			
10	256QAM	50	0	19.05	19.28	19.06			
Channel Frequency (MHz)				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
				2572.5	2595	2617.5			
5	QPSK	1	0	22.18	22.25	22.20	23.5	0	
5	QPSK	1	12	22.14	22.15	22.05			
5	QPSK	1	24	22.12	22.23	22.30			
5	QPSK	12	0	22.24	22.13	22.12	23.5	0	
5	QPSK	12	7	22.09	22.16	22.22			
5	QPSK	12	13	22.09	22.18	22.14			
5	QPSK	25	0	21.95	22.24	21.97	23.5	0	
5	16QAM	1	0	22.07	22.10	22.32			
5	16QAM	1	12	22.18	22.17	22.18			
5	16QAM	1	24	22.27	22.04	22.27	23.5	0	
5	16QAM	12	0	22.21	22.03	22.04			
5	16QAM	12	7	22.06	22.14	22.06			
5	16QAM	12	13	22.18	22.20	22.09	23.5	0	
5	16QAM	25	0	22.06	21.96	22.12			
5	64QAM	1	0	22.05	22.18	22.03			
5	64QAM	1	12	22.03	22.17	22.27	23.5	0	
5	64QAM	1	24	22.14	21.92	22.06			
5	64QAM	12	0	21.26	21.09	21.11			
5	64QAM	12	7	21.26	21.30	21.32	22.5	1	
5	64QAM	12	13	21.03	21.16	21.25			
5	64QAM	25	0	21.07	21.21	21.13	20.5	3	
5	256QAM	1	0	19.16	19.24	19.09			
5	256QAM	1	12	19.19	19.15	19.09			
5	256QAM	1	24	19.12	19.12	19.12	20.5	3	
5	256QAM	12	0	19.10	19.23	19.14			
5	256QAM	12	7	19.07	19.03	19.14			
5	256QAM	12	13	19.25	19.26	19.17			
5	256QAM	25	0	19.00	19.28	19.15			