10728	AAC	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %
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	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAC	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAC	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	AAC	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	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %

10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %

10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAD	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAD	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %

10922	AAD	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %

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

Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.

Default Power for WWAN

GSM850 Ant 1 Default

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

GSM1900 Ant 1 Default

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

		WCDMA II Ant 1 Default				WCDMA IV Ant 1 Default				WCDMA V Ant 1 Default			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.16	24.13	24.06	25.50	24.14	24.17	24.03	25.50	24.33	24.43	24.23	25.50
3GPP Rel 99	RMC 12.2Kbps	24.27	24.29	24.18	25.50	24.18	24.27	24.07	25.50	24.43	24.55	24.33	25.50
3GPP Rel 6	HSDPA Subtest-1	23.15	23.17	23.13	24.50	23.03	23.18	22.95	24.50	23.62	23.61	23.66	24.50
3GPP Rel 6	HSDPA Subtest-2	23.05	23.13	23.07	24.50	22.97	23.10	22.81	24.50	23.53	23.56	23.58	24.50
3GPP Rel 6	HSDPA Subtest-3	22.62	22.58	22.57	24.50	22.59	22.65	22.51	24.50	23.03	23.06	23.11	24.50
3GPP Rel 6	HSDPA Subtest-4	22.58	22.63	22.53	24.50	22.58	22.54	22.59	24.50	23.05	23.06	23.09	24.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.23	23.22	23.24	25.00	23.07	23.22	23.17	25.00	23.54	23.72	23.70	25.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.17	23.12	23.16	25.00	23.06	23.05	23.14	25.00	23.52	23.45	23.57	25.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.58	22.52	22.66	24.50	22.53	22.75	22.59	24.50	22.96	22.98	23.11	24.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.67	22.53	22.51	24.50	22.58	22.55	22.58	24.50	22.95	22.99	23.14	24.50
3GPP Rel 6	HSUPA Subtest-1	21.20	21.23	21.13	23.00	21.02	21.23	21.02	23.00	21.66	21.52	21.66	23.00
3GPP Rel 6	HSUPA Subtest-2	21.16	21.21	21.05	23.00	21.01	21.20	21.01	23.00	21.56	21.48	21.63	23.00
3GPP Rel 6	HSUPA Subtest-3	22.15	22.14	22.13	24.00	22.01	22.19	22.01	24.00	22.63	22.56	22.63	24.00
3GPP Rel 6	HSUPA Subtest-4	20.64	20.66	20.63	22.50	20.59	20.70	20.59	22.50	21.03	20.99	21.10	22.50
3GPP Rel 6	HSUPA Subtest-5	22.20	22.10	22.10	24.00	22.10	22.20	22.10	24.00	22.50	22.40	22.50	24.00

Band 2 Ant1 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				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	24.00	24.18	23.95	25.5	0
20	QPSK	1	49	24.04	24.12	24.00		
20	QPSK	1	99	23.86	23.98	23.89		
20	QPSK	50	0	22.97	23.20	23.05	24.5	1
20	QPSK	50	24	23.05	23.12	23.07		
20	QPSK	50	50	23.04	23.02	22.98		
20	QPSK	100	0	22.88	23.00	22.93		
20	16QAM	1	0	23.18	23.25	23.21	24.5	1
20	16QAM	1	49	23.23	23.22	23.03		
20	16QAM	1	99	23.01	23.17	22.96		
20	16QAM	50	0	21.99	21.99	22.05	23.5	2
20	16QAM	50	24	22.15	22.14	22.01		
20	16QAM	50	50	21.97	22.09	21.85		
20	16QAM	100	0	21.92	22.11	21.98		
20	64QAM	1	0	22.21	22.23	22.14	23.5	2
20	64QAM	1	49	22.23	22.20	22.25		
20	64QAM	1	99	21.97	22.05	21.99		
20	64QAM	50	0	21.03	21.01	21.14	22.5	3
20	64QAM	50	24	21.19	21.14	21.15		
20	64QAM	50	50	21.05	21.09	20.97		
20	64QAM	100	0	21.02	21.05	21.04		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.88	24.11	23.82	25.5	0
15	QPSK	1	37	24.05	23.91	23.99		
15	QPSK	1	74	23.79	23.76	23.82		
15	QPSK	36	0	22.95	23.15	22.95	24.5	1
15	QPSK	36	20	22.85	22.97	22.98		
15	QPSK	36	39	23.03	22.98	22.79		
15	QPSK	75	0	22.83	22.98	22.78		
15	16QAM	1	0	22.97	23.05	23.10	24.5	1
15	16QAM	1	37	23.08	23.07	23.00		
15	16QAM	1	74	22.89	22.99	22.81		
15	16QAM	36	0	21.86	21.92	21.93	23.5	2
15	16QAM	36	20	22.04	21.99	21.96		
15	16QAM	36	39	21.97	21.92	21.68		
15	16QAM	75	0	21.86	22.10	21.90		
15	64QAM	1	0	22.03	22.23	21.95	23.5	2
15	64QAM	1	37	22.12	22.10	22.24		
15	64QAM	1	74	21.98	21.88	22.00		
15	64QAM	36	0	20.90	20.88	20.94	22.5	3
15	64QAM	36	20	21.11	20.99	20.97		
15	64QAM	36	39	20.93	20.95	20.84		
15	64QAM	75	0	20.93	20.87	20.96		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.88	24.06	23.93	25.5	0
10	QPSK	1	25	23.94	23.93	23.99		
10	QPSK	1	49	23.75	23.85	23.79		
10	QPSK	25	0	22.83	23.01	22.97	24.5	1
10	QPSK	25	12	23.02	23.08	23.08		
10	QPSK	25	25	22.92	22.88	22.82		
10	QPSK	50	0	22.84	22.89	22.95		
10	16QAM	1	0	23.13	23.14	23.16	24.5	1
10	16QAM	1	25	23.05	23.20	22.93		
10	16QAM	1	49	22.99	23.18	22.89		
10	16QAM	25	0	21.86	21.93	21.91	23.5	2
10	16QAM	25	12	22.01	22.08	21.98		
10	16QAM	25	25	21.89	22.08	21.69		
10	16QAM	50	0	21.91	22.11	21.82		
10	64QAM	1	0	22.12	22.21	22.08	23.5	2
10	64QAM	1	25	22.11	22.22	22.21		
10	64QAM	1	49	21.93	21.92	21.90		
10	64QAM	25	0	20.86	21.01	21.09	22.5	3
10	64QAM	25	12	20.97	21.15	21.11		
10	64QAM	25	25	20.86	20.93	20.86		
10	64QAM	50	0	20.83	20.94	20.86		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.88	23.98	23.75	25.5	0
5	QPSK	1	12	23.99	24.10	23.80		
5	QPSK	1	24	23.72	23.92	23.73		
5	QPSK	12	0	22.80	23.18	22.97	24.5	1
5	QPSK	12	7	23.01	22.97	22.90		
5	QPSK	12	13	22.89	22.97	22.96		
5	QPSK	25	0	22.86	22.96	22.84		
5	16QAM	1	0	23.06	23.07	23.05	24.5	1
5	16QAM	1	12	23.12	23.21	22.92		
5	16QAM	1	24	22.85	23.16	22.86		
5	16QAM	12	0	21.97	21.79	21.97	23.5	2
5	16QAM	12	7	22.12	22.00	21.79		
5	16QAM	12	13	21.76	21.91	21.75		
5	16QAM	25	0	21.71	21.98	21.91		
5	64QAM	1	0	22.18	22.14	22.16	23.5	2
5	64QAM	1	12	22.02	22.04	22.21		
5	64QAM	1	24	21.98	21.93	21.86		
5	64QAM	12	0	20.89	20.91	21.02	22.5	3
5	64QAM	12	7	21.10	21.11	20.96		
5	64QAM	12	13	20.93	20.87	20.94		
5	64QAM	25	0	20.97	20.88	20.93		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.91	23.92	23.80	25.5	0
3	QPSK	1	8	23.89	23.82	23.76		
3	QPSK	1	14	23.58	23.79	23.61		
3	QPSK	8	0	22.79	23.04	22.83	24.5	1
3	QPSK	8	4	22.88	22.91	22.88		
3	QPSK	8	7	22.79	22.87	22.73		
3	QPSK	15	0	22.74	22.83	22.68		
3	16QAM	1	0	23.05	23.01	23.12	24.5	1
3	16QAM	1	8	23.03	22.98	22.92		
3	16QAM	1	14	22.89	22.92	22.82		
3	16QAM	8	0	21.79	21.73	21.74	23.5	2
3	16QAM	8	4	22.07	21.89	21.84		
3	16QAM	8	7	21.75	21.83	21.73		
3	16QAM	15	0	21.80	21.89	21.78		
3	64QAM	1	0	21.94	21.98	21.86	23.5	2
3	64QAM	1	8	21.98	21.94	22.02		
3	64QAM	1	14	21.80	21.80	21.81		
3	64QAM	8	0	20.95	20.91	20.99	22.5	3
3	64QAM	8	4	21.00	20.85	21.04		
3	64QAM	8	7	20.91	20.80	20.71		
3	64QAM	15	0	20.70	20.89	20.76		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.91	23.97	23.72	25.5	0
1.4	QPSK	1	3	23.79	23.80	23.87		
1.4	QPSK	1	5	23.70	23.75	23.65		
1.4	QPSK	3	0	23.91	23.78	23.72		
1.4	QPSK	3	1	23.64	23.82	23.87		
1.4	QPSK	3	3	23.68	23.59	23.53		
1.4	QPSK	6	0	22.70	22.75	22.76	24.5	1
1.4	16QAM	1	0	22.87	23.06	23.09	24.5	1
1.4	16QAM	1	3	23.07	22.95	22.79		
1.4	16QAM	1	5	22.74	22.85	22.87		
1.4	16QAM	3	0	22.80	23.00	22.91		
1.4	16QAM	3	1	22.98	22.81	22.58		
1.4	16QAM	3	3	22.55	22.66	22.69		
1.4	16QAM	6	0	21.64	21.99	21.81	23.5	2
1.4	64QAM	1	0	21.92	21.94	21.95	23.5	2
1.4	64QAM	1	3	22.12	21.93	21.94		
1.4	64QAM	1	5	21.82	21.84	21.77		
1.4	64QAM	3	0	21.92	21.79	21.99		
1.4	64QAM	3	1	21.99	21.85	21.94		
1.4	64QAM	3	3	21.90	21.93	21.68		
1.4	64QAM	6	0	20.86	20.89	20.80	22.5	3

Band 4 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	24.04	24.16	23.92	25.5	0
20	QPSK	1	49	24.11	24.07	24.14		
20	QPSK	1	99	23.89	23.85	23.97		
20	QPSK	50	0	23.03	23.18	23.00	24.5	1
20	QPSK	50	24	23.08	23.15	23.06		
20	QPSK	50	50	23.16	23.08	22.97		
20	QPSK	100	0	23.05	23.09	23.00		
20	16QAM	1	0	23.17	23.23	23.04	24.5	1
20	16QAM	1	49	23.19	23.26	23.23		
20	16QAM	1	99	23.04	22.92	22.98		
20	16QAM	50	0	22.14	22.09	22.17	23.5	2
20	16QAM	50	24	22.32	22.22	22.14		
20	16QAM	50	50	22.25	22.21	22.11		
20	16QAM	100	0	22.26	22.06	21.95		
20	64QAM	1	0	21.94	22.23	21.97	23.5	2
20	64QAM	1	49	22.17	22.26	22.18		
20	64QAM	1	99	22.07	22.00	21.93		
20	64QAM	50	0	21.05	21.14	21.07	22.5	3
20	64QAM	50	24	21.22	21.03	21.08		
20	64QAM	50	50	21.18	21.11	20.96		
20	64QAM	100	0	21.21	21.15	21.04		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	23.85	24.07	23.89	25.5	0
15	QPSK	1	37	23.93	23.88	24.09		
15	QPSK	1	74	23.73	23.86	23.83		
15	QPSK	36	0	22.86	23.09	22.86	24.5	1
15	QPSK	36	20	23.04	22.95	23.00		
15	QPSK	36	39	22.95	22.98	22.76		
15	QPSK	75	0	22.94	23.09	22.94		
15	16QAM	1	0	23.00	23.17	23.03	24.5	1
15	16QAM	1	37	23.12	23.13	23.10		
15	16QAM	1	74	23.01	22.87	22.95		
15	16QAM	36	0	21.99	22.05	22.14	23.5	2
15	16QAM	36	20	22.19	22.13	22.00		
15	16QAM	36	39	22.10	22.02	21.90		
15	16QAM	75	0	22.16	21.99	21.87		
15	64QAM	1	0	21.93	22.15	21.96	23.5	2
15	64QAM	1	37	22.02	22.13	21.91		
15	64QAM	1	74	22.05	21.91	21.79		
15	64QAM	36	0	21.02	21.14	20.99	22.5	3
15	64QAM	36	20	21.12	21.00	20.95		
15	64QAM	36	39	21.11	20.91	20.90		
15	64QAM	75	0	21.12	21.00	21.06		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.03	24.02	23.79	25.5	0
10	QPSK	1	25	24.07	24.03	24.08		
10	QPSK	1	49	23.72	23.85	23.83		
10	QPSK	25	0	22.88	23.12	22.80	24.5	1
10	QPSK	25	12	22.87	23.04	22.91		
10	QPSK	25	25	22.95	22.88	22.88		
10	QPSK	50	0	23.00	22.99	22.98		
10	16QAM	1	0	23.07	23.23	22.93	24.5	1
10	16QAM	1	25	23.11	23.23	23.09		
10	16QAM	1	49	22.87	22.86	22.85		
10	16QAM	25	0	21.93	22.08	22.17	23.5	2
10	16QAM	25	12	22.11	22.18	22.12		
10	16QAM	25	25	22.11	22.07	22.11		
10	16QAM	50	0	22.16	22.03	21.81		
10	64QAM	1	0	21.87	22.06	21.90	23.5	2
10	64QAM	1	25	22.17	22.07	21.97		
10	64QAM	1	49	22.02	21.79	21.92		
10	64QAM	25	0	21.03	20.97	21.00	22.5	3
10	64QAM	25	12	21.09	20.85	21.07		
10	64QAM	25	25	21.12	20.90	20.98		
10	64QAM	50	0	21.02	21.12	20.89		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	23.85	23.95	23.71	25.5	0
5	QPSK	1	12	24.02	23.81	23.85		
5	QPSK	1	24	23.68	23.72	23.73		
5	QPSK	12	0	22.84	22.91	22.78	24.5	1
5	QPSK	12	7	22.77	22.90	22.85		
5	QPSK	12	13	23.06	22.77	22.81		
5	QPSK	25	0	22.87	23.00	22.79		
5	16QAM	1	0	22.99	23.11	22.89	24.5	1
5	16QAM	1	12	23.06	22.98	23.13		
5	16QAM	1	24	22.89	22.83	22.76		
5	16QAM	12	0	21.85	21.98	22.06	23.5	2
5	16QAM	12	7	22.10	21.92	22.04		
5	16QAM	12	13	22.00	22.01	21.82		
5	16QAM	25	0	22.04	21.97	21.86		
5	64QAM	1	0	21.80	22.02	21.69	23.5	2
5	64QAM	1	12	21.96	22.00	21.98		
5	64QAM	1	24	21.95	21.81	21.68		
5	64QAM	12	0	20.86	20.85	20.78	22.5	3
5	64QAM	12	7	21.12	20.91	20.92		
5	64QAM	12	13	21.00	20.91	20.86		
5	64QAM	25	0	21.06	20.86	20.82		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	23.90	23.91	23.63	25.5	0
3	QPSK	1	8	23.84	23.81	23.98		
3	QPSK	1	14	23.78	23.71	23.79		
3	QPSK	8	0	22.91	23.01	22.86	24.5	1
3	QPSK	8	4	22.83	22.87	22.86		
3	QPSK	8	7	23.05	22.84	22.83		
3	QPSK	15	0	22.89	22.84	22.70		
3	16QAM	1	0	22.95	22.95	22.91	24.5	1
3	16QAM	1	8	22.91	22.95	22.91		
3	16QAM	1	14	22.76	22.79	22.83		
3	16QAM	8	0	22.02	21.78	21.87	23.5	2
3	16QAM	8	4	22.11	22.02	21.91		
3	16QAM	8	7	22.05	21.91	21.84		
3	16QAM	15	0	21.95	21.89	21.77		
3	64QAM	1	0	21.77	22.00	21.71	23.5	2
3	64QAM	1	8	22.07	22.01	21.96		
3	64QAM	1	14	21.98	21.72	21.83		
3	64QAM	8	0	20.88	20.99	20.92	22.5	3
3	64QAM	8	4	21.10	20.76	20.97		
3	64QAM	8	7	21.00	20.89	20.78		
3	64QAM	15	0	20.97	20.97	20.79		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	23.80	24.04	23.76	25.5	0
1.4	QPSK	1	3	23.90	23.79	23.82		
1.4	QPSK	1	5	23.76	23.67	23.84		
1.4	QPSK	3	0	23.66	23.83	23.59		
1.4	QPSK	3	1	23.77	23.59	23.68		
1.4	QPSK	3	3	23.78	23.63	23.76		
1.4	QPSK	6	0	22.89	22.93	22.71	24.5	1
1.4	16QAM	1	0	23.02	23.14	22.93	24.5	1
1.4	16QAM	1	3	22.95	23.09	23.14		
1.4	16QAM	1	5	22.78	22.77	22.83		
1.4	16QAM	3	0	22.98	23.12	22.78		
1.4	16QAM	3	1	22.74	22.99	23.07		
1.4	16QAM	3	3	22.80	22.76	22.77		
1.4	16QAM	6	0	22.02	21.90	21.63	23.5	2
1.4	64QAM	1	0	21.81	22.04	21.86	23.5	2
1.4	64QAM	1	3	21.86	22.01	22.04		
1.4	64QAM	1	5	21.85	21.79	21.75		
1.4	64QAM	3	0	21.96	21.93	21.91		
1.4	64QAM	3	1	21.91	21.84	21.81		
1.4	64QAM	3	3	21.97	21.92	21.79		
1.4	64QAM	6	0	21.10	20.88	20.73	22.5	3

Band 5 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.15	24.24	24.13	25.5	0
10	QPSK	1	25	24.13	24.03	24.14		
10	QPSK	1	49	24.10	24.05	24.09		
10	QPSK	25	0	23.18	23.25	23.17	24.5	1
10	QPSK	25	12	23.20	23.19	23.18		
10	QPSK	25	25	23.10	23.07	23.11		
10	QPSK	50	0	23.07	23.23	23.12		
10	16QAM	1	0	23.19	23.19	23.23	24.5	1
10	16QAM	1	25	23.33	23.22	23.28		
10	16QAM	1	49	23.24	23.19	23.09		
10	16QAM	25	0	22.06	22.12	22.06	23.5	2
10	16QAM	25	12	22.21	22.18	22.25		
10	16QAM	25	25	22.13	22.15	22.02		
10	16QAM	50	0	22.30	22.07	22.08		
10	64QAM	1	0	22.21	22.14	22.07	23.5	2
10	64QAM	1	25	22.16	21.97	22.18		
10	64QAM	1	49	22.15	22.18	22.08		
10	64QAM	25	0	21.10	20.96	21.14	22.5	3
10	64QAM	25	12	21.18	21.10	21.16		
10	64QAM	25	25	21.25	21.08	21.15		
10	64QAM	50	0	21.14	20.96	21.11		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.06	24.08	23.99	25.5	0
5	QPSK	1	12	24.09	23.93	24.05		
5	QPSK	1	24	24.03	23.93	23.90		
5	QPSK	12	0	23.13	23.23	23.07	24.5	1
5	QPSK	12	7	23.21	23.10	22.96		
5	QPSK	12	13	22.93	23.01	22.91		
5	QPSK	25	0	23.00	23.03	23.02		
5	16QAM	1	0	23.21	23.12	23.20	24.5	1
5	16QAM	1	12	23.24	23.23	23.28		
5	16QAM	1	24	23.09	23.20	22.93		
5	16QAM	12	0	21.94	22.10	21.86	23.5	2
5	16QAM	12	7	22.07	21.96	22.09		
5	16QAM	12	13	22.05	22.01	21.81		
5	16QAM	25	0	22.23	21.91	22.05		
5	64QAM	1	0	22.16	21.95	21.88	23.5	2
5	64QAM	1	12	22.17	21.82	22.04		
5	64QAM	1	24	22.06	22.14	21.92		
5	64QAM	12	0	21.00	20.91	20.97	22.5	3
5	64QAM	12	7	21.03	21.06	21.05		
5	64QAM	12	13	21.14	20.96	20.95		
5	64QAM	25	0	21.09	20.97	20.95		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.16	24.14	23.99	25.5	0
3	QPSK	1	8	24.05	23.99	24.16		
3	QPSK	1	14	24.05	23.85	24.05		
3	QPSK	8	0	22.97	23.23	23.13	24.5	1
3	QPSK	8	4	23.12	23.18	23.11		
3	QPSK	8	7	23.00	22.96	23.12		
3	QPSK	15	0	23.06	23.17	22.95		
3	16QAM	1	0	23.03	23.04	23.22	24.5	1
3	16QAM	1	8	23.21	23.04	23.20		
3	16QAM	1	14	23.25	23.08	22.93		
3	16QAM	8	0	22.02	22.11	22.04	23.5	2
3	16QAM	8	4	22.04	22.08	22.06		
3	16QAM	8	7	22.13	22.12	22.01		
3	16QAM	15	0	22.17	21.87	22.00		
3	64QAM	1	0	22.04	22.04	21.92	23.5	2
3	64QAM	1	8	21.96	21.81	22.16		
3	64QAM	1	14	22.05	22.02	21.98		
3	64QAM	8	0	20.96	20.95	21.00	22.5	3
3	64QAM	8	4	20.97	21.08	20.99		
3	64QAM	8	7	21.19	21.04	20.95		
3	64QAM	15	0	21.02	20.91	21.03		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.02	24.00	23.93	25.5	0
1.4	QPSK	1	3	24.00	23.79	23.84		
1.4	QPSK	1	5	23.81	23.83	23.90		
1.4	QPSK	3	0	23.93	23.99	23.72		
1.4	QPSK	3	1	23.99	23.64	23.74		
1.4	QPSK	3	3	23.73	23.66	23.90		
1.4	QPSK	6	0	22.80	22.91	22.89	24.5	1
1.4	16QAM	1	0	22.92	22.98	23.10	24.5	1
1.4	16QAM	1	3	23.21	22.98	23.19		
1.4	16QAM	1	5	22.95	22.93	22.94		
1.4	16QAM	3	0	22.76	22.94	23.04		
1.4	16QAM	3	1	23.04	22.89	23.09		
1.4	16QAM	3	3	22.84	22.74	22.74		
1.4	16QAM	6	0	22.19	21.91	21.86	23.5	2
1.4	64QAM	1	0	22.07	22.00	21.84	23.5	2
1.4	64QAM	1	3	21.93	21.76	22.08		
1.4	64QAM	1	5	22.06	21.99	21.96		
1.4	64QAM	3	0	21.82	21.74	21.92		
1.4	64QAM	3	1	21.94	21.79	22.03		
1.4	64QAM	3	3	22.10	21.92	22.03		
1.4	64QAM	6	0	20.92	20.76	21.01	22.5	3

Band 7 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.84	23.92	23.71	25.5	0
20	QPSK	1	49	23.88	23.82	23.79		
20	QPSK	1	99	23.86	23.75	23.70		
20	QPSK	50	0	22.77	22.98	22.92	24.5	1
20	QPSK	50	24	22.91	22.94	22.88		
20	QPSK	50	50	22.83	22.90	22.76		
20	QPSK	100	0	22.81	22.86	22.77		
20	16QAM	1	0	22.79	22.84	22.72	24.5	1
20	16QAM	1	49	22.91	22.88	22.82		
20	16QAM	1	99	22.81	22.94	22.79		
20	16QAM	50	0	21.68	21.75	21.83	23.5	2
20	16QAM	50	24	21.95	21.92	21.96		
20	16QAM	50	50	21.90	21.91	21.67		
20	16QAM	100	0	21.81	21.76	21.70		
20	64QAM	1	0	21.86	21.78	21.69	23.5	2
20	64QAM	1	49	21.99	21.96	21.82		
20	64QAM	1	99	21.94	21.91	21.83		
20	64QAM	50	0	20.79	20.87	20.79	22.5	3
20	64QAM	50	24	20.91	20.81	20.91		
20	64QAM	50	50	20.90	20.91	20.70		
20	64QAM	100	0	20.88	20.85	20.68		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.73	23.81	23.66	25.5	0
15	QPSK	1	37	23.86	23.78	23.69		
15	QPSK	1	74	23.77	23.64	23.69		
15	QPSK	36	0	22.59	22.76	22.90	24.5	1
15	QPSK	36	20	22.70	22.86	22.77		
15	QPSK	36	39	22.66	22.82	22.65		
15	QPSK	75	0	22.68	22.80	22.73		
15	16QAM	1	0	22.59	22.72	22.64	24.5	1
15	16QAM	1	37	22.90	22.84	22.60		
15	16QAM	1	74	22.78	22.85	22.75		
15	16QAM	36	0	21.56	21.58	21.81	23.5	2
15	16QAM	36	20	21.91	21.89	21.81		
15	16QAM	36	39	21.89	21.84	21.52		
15	16QAM	75	0	21.61	21.72	21.70		
15	64QAM	1	0	21.86	21.74	21.64	23.5	2
15	64QAM	1	37	21.94	21.88	21.65		
15	64QAM	1	74	21.82	21.87	21.77		
15	64QAM	36	0	20.69	20.76	20.73	22.5	3
15	64QAM	36	20	20.78	20.72	20.79		
15	64QAM	36	39	20.75	20.79	20.66		
15	64QAM	75	0	20.82	20.85	20.56		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.65	23.86	23.73	25.5	0
10	QPSK	1	25	23.89	23.74	23.61		
10	QPSK	1	49	23.84	23.70	23.56		
10	QPSK	25	0	22.69	22.84	22.80	24.5	1
10	QPSK	25	12	22.83	22.79	22.78		
10	QPSK	25	25	22.64	22.82	22.59		
10	QPSK	50	0	22.68	22.72	22.75		
10	16QAM	1	0	22.58	22.71	22.58	24.5	1
10	16QAM	1	25	22.75	22.71	22.75		
10	16QAM	1	49	22.67	22.78	22.67		
10	16QAM	25	0	21.57	21.64	21.84	23.5	2
10	16QAM	25	12	21.74	21.80	21.79		
10	16QAM	25	25	21.89	21.82	21.66		
10	16QAM	50	0	21.76	21.71	21.69		
10	64QAM	1	0	21.77	21.80	21.78	23.5	2
10	64QAM	1	25	21.86	21.74	21.65		
10	64QAM	1	49	21.82	21.86	21.75		
10	64QAM	25	0	20.70	20.84	20.58	22.5	3
10	64QAM	25	12	20.84	20.69	20.85		
10	64QAM	25	25	20.74	20.81	20.57		
10	64QAM	50	0	20.83	20.85	20.56		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.74	23.71	23.63	25.5	0
5	QPSK	1	12	23.70	23.69	23.56		
5	QPSK	1	24	23.74	23.64	23.58		
5	QPSK	12	0	22.56	22.82	22.63	24.5	1
5	QPSK	12	7	22.81	22.83	22.71		
5	QPSK	12	13	22.66	22.81	22.56		
5	QPSK	25	0	22.61	22.75	22.59		
5	16QAM	1	0	22.60	22.56	22.57	24.5	1
5	16QAM	1	12	22.76	22.76	22.55		
5	16QAM	1	24	22.64	22.67	22.57		
5	16QAM	12	0	21.69	21.70	21.60	23.5	2
5	16QAM	12	7	21.72	21.77	21.65		
5	16QAM	12	13	21.74	21.69	21.77		
5	16QAM	25	0	21.55	21.57	21.57		
5	64QAM	1	0	21.75	21.50	21.54	23.5	2
5	64QAM	1	12	21.73	21.74	21.74		
5	64QAM	1	24	21.83	21.82	21.62		
5	64QAM	12	0	20.59	20.71	20.63	22.5	3
5	64QAM	12	7	20.61	20.71	20.63		
5	64QAM	12	13	20.61	20.69	20.60		
5	64QAM	25	0	20.77	20.70	20.51		

Band 38 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.80	23.92	23.64	25.5	0
20	QPSK	1	49	23.79	23.68	23.88		
20	QPSK	1	99	23.85	23.75	23.76		
20	QPSK	50	0	22.82	23.01	22.76	24.5	1
20	QPSK	50	24	22.93	22.94	22.92		
20	QPSK	50	50	22.96	22.88	22.88		
20	QPSK	100	0	22.88	22.95	22.82		
20	16QAM	1	0	23.13	23.10	23.04	24.5	1
20	16QAM	1	49	23.32	23.28	23.25		
20	16QAM	1	99	23.19	23.09	23.10		
20	16QAM	50	0	21.96	22.01	21.99	23.5	2
20	16QAM	50	24	22.06	22.11	22.05		
20	16QAM	50	50	22.01	22.04	22.01		
20	16QAM	100	0	21.95	21.86	21.86		
20	64QAM	1	0	21.98	21.98	22.02	23.5	2
20	64QAM	1	49	22.18	22.26	22.10		
20	64QAM	1	99	22.04	21.97	21.97		
20	64QAM	50	0	20.85	20.93	20.93	22.5	3
20	64QAM	50	24	21.04	20.99	21.06		
20	64QAM	50	50	20.97	20.95	20.88		
20	64QAM	100	0	20.99	20.99	20.87		
Channel				37925	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.65	23.88	23.61	25.5	0
15	QPSK	1	37	23.81	23.61	23.82		
15	QPSK	1	74	23.79	23.58	23.69		
15	QPSK	36	0	22.73	22.81	22.60	24.5	1
15	QPSK	36	20	22.87	22.84	22.84		
15	QPSK	36	39	22.85	22.76	22.87		
15	QPSK	75	0	22.71	22.73	22.73		
15	16QAM	1	0	22.97	23.10	23.02	24.5	1
15	16QAM	1	37	23.22	23.16	23.09		
15	16QAM	1	74	22.99	22.88	23.00		
15	16QAM	36	0	21.77	21.90	21.78	23.5	2
15	16QAM	36	20	21.90	22.04	22.06		
15	16QAM	36	39	21.82	21.83	22.00		
15	16QAM	75	0	21.87	21.78	21.79		
15	64QAM	1	0	21.91	21.88	21.94	23.5	2
15	64QAM	1	37	21.99	22.10	21.90		
15	64QAM	1	74	21.98	21.96	21.97		
15	64QAM	36	0	20.66	20.79	20.89	22.5	3
15	64QAM	36	20	21.05	20.90	20.96		
15	64QAM	36	39	20.79	20.96	20.75		
15	64QAM	75	0	21.00	20.94	20.79		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.74	23.81	23.63	25.5	0
10	QPSK	1	25	23.66	23.60	23.72		
10	QPSK	1	49	23.86	23.73	23.60		
10	QPSK	25	0	22.69	22.92	22.64	24.5	1
10	QPSK	25	12	22.89	22.73	22.76		
10	QPSK	25	25	22.77	22.79	22.76		
10	QPSK	50	0	22.74	22.74	22.73		
10	16QAM	1	0	22.93	23.10	23.04	24.5	1
10	16QAM	1	25	23.18	23.29	23.17		
10	16QAM	1	49	23.06	22.99	22.94		
10	16QAM	25	0	21.82	21.92	21.97	23.5	2
10	16QAM	25	12	21.92	22.02	21.93		
10	16QAM	25	25	21.88	22.03	21.94		
10	16QAM	50	0	21.87	21.82	21.85		
10	64QAM	1	0	21.92	21.90	21.91	23.5	2
10	64QAM	1	25	22.04	22.19	22.02		
10	64QAM	1	49	21.91	21.96	21.98		
10	64QAM	25	0	20.68	20.84	20.75	22.5	3
10	64QAM	25	12	20.86	20.81	21.02		
10	64QAM	25	25	20.79	20.73	20.90		
10	64QAM	50	0	20.99	21.00	20.83		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.56	23.74	23.57	25.5	0
5	QPSK	1	12	23.57	23.50	23.77		
5	QPSK	1	24	23.66	23.60	23.57		
5	QPSK	12	0	22.62	22.76	22.58	24.5	1
5	QPSK	12	7	22.66	22.72	22.68		
5	QPSK	12	13	22.80	22.70	22.61		
5	QPSK	25	0	22.59	22.68	22.72		
5	16QAM	1	0	23.00	22.81	22.89	24.5	1
5	16QAM	1	12	23.13	23.06	22.95		
5	16QAM	1	24	22.92	22.88	22.96		
5	16QAM	12	0	21.65	21.89	21.88	23.5	2
5	16QAM	12	7	21.93	21.91	21.86		
5	16QAM	12	13	21.78	21.83	21.79		
5	16QAM	25	0	21.87	21.61	21.71		
5	64QAM	1	0	21.79	21.80	21.88	23.5	2
5	64QAM	1	12	22.02	22.13	21.88		
5	64QAM	1	24	21.89	21.82	21.74		
5	64QAM	12	0	20.65	20.79	20.78	22.5	3
5	64QAM	12	7	20.94	20.86	20.87		
5	64QAM	12	13	20.81	20.64	20.58		
5	64QAM	25	0	20.79	20.73	20.78		

Band 41 (2.6G Band) Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	23.66	23.67	24.00	23.63	25.5	0
20	QPSK	1	49	23.79	23.64	23.69	23.73		
20	QPSK	1	99	23.58	23.69	23.66	23.57		
20	QPSK	50	0	22.67	22.50	22.90	22.74	24.5	1
20	QPSK	50	24	22.67	22.72	22.67	22.84		
20	QPSK	50	50	22.65	22.75	22.72	22.55		
20	QPSK	100	0	22.56	22.57	22.86	22.66		
20	16QAM	1	0	23.08	22.73	22.95	22.90	24.5	1
20	16QAM	1	49	22.83	22.71	22.83	22.78		
20	16QAM	1	99	22.95	22.94	22.93	22.93		
20	16QAM	50	0	21.68	21.86	21.90	21.80	23.5	2
20	16QAM	50	24	21.81	21.87	21.90	21.86		
20	16QAM	50	50	22.00	21.86	21.75	21.83		
20	16QAM	100	0	21.70	21.82	21.87	21.89		
20	64QAM	1	0	21.84	21.91	21.95	21.94	23.5	2
20	64QAM	1	49	22.07	22.07	22.20	21.97		
20	64QAM	1	99	22.02	21.96	21.97	22.03		
20	64QAM	50	0	20.63	20.57	20.69	20.76	22.5	3
20	64QAM	50	24	20.70	20.73	20.80	20.84		
20	64QAM	50	50	20.82	20.70	20.93	20.83		
20	64QAM	100	0	20.73	20.69	20.81	20.69		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	23.66	23.51	23.82	23.63	25.5	0
15	QPSK	1	37	23.75	23.54	23.68	23.61		
15	QPSK	1	74	23.80	23.68	23.65	23.55		
15	QPSK	36	0	22.50	22.65	22.83	22.70	24.5	1
15	QPSK	36	20	22.63	22.73	22.60	22.67		
15	QPSK	36	39	22.58	22.55	22.70	22.71		
15	QPSK	75	0	22.64	22.53	22.58	22.50		
15	16QAM	1	0	22.90	22.59	22.74	22.69	24.5	1
15	16QAM	1	37	22.75	22.66	22.74	22.65		
15	16QAM	1	74	22.96	22.82	22.89	22.84		
15	16QAM	36	0	21.67	21.71	21.76	21.71	23.5	2
15	16QAM	36	20	21.64	21.70	21.85	21.75		
15	16QAM	36	39	21.79	21.70	21.74	21.69		
15	16QAM	75	0	21.76	21.68	21.83	21.74		
15	64QAM	1	0	21.75	21.87	21.92	21.82	23.5	2
15	64QAM	1	37	21.92	22.06	22.04	21.83		
15	64QAM	1	74	21.89	21.89	21.87	21.86		
15	64QAM	36	0	20.70	20.60	20.64	20.75	22.5	3
15	64QAM	36	20	20.57	20.70	20.65	20.84		
15	64QAM	36	39	20.78	20.64	20.91	20.66		
15	64QAM	75	0	20.69	20.53	20.82	20.56		
Channel				40090	40390	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	23.56	23.53	23.67	23.51	25.5	0
10	QPSK	1	25	23.76	23.62	23.71	23.52		
10	QPSK	1	49	23.70	23.58	23.54	23.70		
10	QPSK	25	0	22.55	22.56	22.91	22.55	24.5	1
10	QPSK	25	12	22.59	22.62	22.69	22.82		
10	QPSK	25	25	22.50	22.70	22.71	22.52		
10	QPSK	50	0	22.54	22.54	22.72	22.57		
10	16QAM	1	0	23.01	22.69	22.76	22.89	24.5	1
10	16QAM	1	25	22.77	22.51	22.62	22.67		
10	16QAM	1	49	22.82	22.89	22.94	22.89		
10	16QAM	25	0	21.52	21.72	21.86	21.74	23.5	2
10	16QAM	25	12	21.69	21.81	21.87	21.66		
10	16QAM	25	25	21.90	21.74	21.71	21.69		
10	16QAM	50	0	21.59	21.64	21.83	21.80		
10	64QAM	1	0	21.68	21.71	21.90	21.74	23.5	2
10	64QAM	1	25	22.01	22.00	22.15	21.82		
10	64QAM	1	49	21.84	21.81	21.79	21.87		
10	64QAM	25	0	20.57	20.69	20.52	20.75	22.5	3
10	64QAM	25	12	20.69	20.66	20.79	20.75		
10	64QAM	25	25	20.79	20.52	20.92	20.85		
10	64QAM	50	0	20.62	20.59	20.60	20.64		
Channel				40065	40365	40705	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	23.50	23.66	23.77	23.56	25.5	0
5	QPSK	1	12	23.58	23.61	23.54	23.58		
5	QPSK	1	24	23.50	23.64	23.65	23.53		
5	QPSK	12	0	22.50	22.59	22.70	22.58	24.5	1
5	QPSK	12	7	22.57	22.60	22.55	22.66		
5	QPSK	12	13	22.70	22.63	22.51	22.62		
5	QPSK	25	0	22.53	22.60	22.82	22.66		
5	16QAM	1	0	22.90	22.71	22.92	22.73	24.5	1
5	16QAM	1	12	22.72	22.68	22.70	22.65		
5	16QAM	1	24	22.82	22.94	22.74	22.78		
5	16QAM	12	0	21.51	21.72	21.89	21.68	23.5	2
5	16QAM	12	7	21.66	21.83	21.80	21.83		
5	16QAM	12	13	21.86	21.76	21.76	21.71		
5	16QAM	25	0	21.63	21.81	21.74	21.87		
5	64QAM	1	0	21.81	21.86	21.93	21.73	23.5	2
5	64QAM	1	12	21.87	22.07	22.15	21.75		
5	64QAM	1	24	21.91	21.78	21.80	21.97		
5	64QAM	12	0	20.54	20.66	20.60	20.61	22.5	3
5	64QAM	12	7	20.63	20.65	20.65	20.72		
5	64QAM	12	13	20.72	20.53	20.75	20.85		
5	64QAM	25	0	20.71	20.66	20.59	20.58		

GSM850 Ant 2 Default

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

GSM1900 Ant 2 Default

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

		WCDMA II Ant 2 Default				WCDMA IV Ant 2 Default				WCDMA V Ant 2 Default			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.76	24.69	24.63	25.50	24.43	24.62	24.36	25.50	24.44	24.50	24.46	25.50
3GPP Rel 99	RMC 12.2Kbps	24.81	24.82	24.79	25.50	24.52	24.73	24.41	25.50	24.56	24.59	24.53	25.50
3GPP Rel 6	HSDPA Subtest-1	23.65	23.76	23.68	24.50	23.49	23.73	23.47	24.50	23.56	23.49	23.58	24.50
3GPP Rel 6	HSDPA Subtest-2	23.66	23.66	23.57	24.50	23.42	23.63	23.38	24.50	23.49	23.38	23.42	24.50
3GPP Rel 6	HSDPA Subtest-3	23.15	23.12	23.11	24.50	22.96	23.12	22.89	24.50	23.01	22.90	22.94	24.50
3GPP Rel 6	HSDPA Subtest-4	23.15	23.04	23.08	24.50	22.94	23.17	22.84	24.50	23.03	22.90	22.92	24.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.55	23.56	23.66	25.00	23.38	23.77	23.46	25.00	23.45	23.53	23.69	25.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.60	23.64	23.68	25.00	23.40	23.57	23.47	25.00	23.51	23.49	23.32	25.00
3GPP Rel 8	DC-HSDPA Subtest-3	23.10	23.07	23.00	24.50	22.94	23.14	22.78	24.50	22.97	22.97	22.85	24.50
3GPP Rel 8	DC-HSDPA Subtest-4	23.06	23.10	23.06	24.50	22.88	23.24	22.87	24.50	22.91	23.00	23.01	24.50
3GPP Rel 6	HSUPA Subtest-1	21.71	21.76	21.70	23.00	21.48	21.79	21.52	23.00	21.52	21.43	21.49	23.00
3GPP Rel 6	HSUPA Subtest-2	21.67	21.74	21.78	23.00	21.49	21.67	21.51	23.00	21.49	21.43	21.40	23.00
3GPP Rel 6	HSUPA Subtest-3	22.69	22.73	22.64	24.00	22.46	22.79	22.44	24.00	22.52	22.38	22.48	24.00
3GPP Rel 6	HSUPA Subtest-4	21.20	21.27	21.19	22.50	21.08	21.22	20.93	22.50	20.97	20.90	20.95	22.50
3GPP Rel 6	HSUPA Subtest-5	22.70	22.60	22.60	24.00	22.50	22.70	22.40	24.00	22.37	22.37	22.37	24.00

Band 2 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	24.26	24.32	24.21	25.5	0
20	QPSK	1	49	24.18	24.25	24.29		
20	QPSK	1	99	24.11	24.13	24.18		
20	QPSK	50	0	23.17	23.35	23.32	24.5	1
20	QPSK	50	24	23.33	23.33	23.25		
20	QPSK	50	50	23.18	23.31	23.20		
20	QPSK	100	0	23.16	23.27	23.26		
20	16QAM	1	0	23.43	23.49	23.40	24.5	1
20	16QAM	1	49	23.57	23.61	23.58		
20	16QAM	1	99	23.35	23.37	23.33		
20	16QAM	50	0	22.23	22.35	22.38	23.5	2
20	16QAM	50	24	22.38	22.37	22.41		
20	16QAM	50	50	22.26	22.35	22.22		
20	16QAM	100	0	22.21	22.31	22.31		
20	64QAM	1	0	22.29	22.35	22.29	23.5	2
20	64QAM	1	49	22.42	22.46	22.47		
20	64QAM	1	99	22.27	22.23	22.21		
20	64QAM	50	0	21.21	21.35	21.38	22.5	3
20	64QAM	50	24	21.37	21.35	21.37		
20	64QAM	50	50	21.24	21.33	21.23		
20	64QAM	100	0	21.20	21.31	21.28		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	24.07	24.20	24.03	25.5	0
15	QPSK	1	37	24.21	24.27	24.13		
15	QPSK	1	74	24.02	24.07	24.13		
15	QPSK	36	0	23.13	23.16	23.19	24.5	1
15	QPSK	36	20	23.15	23.21	23.29		
15	QPSK	36	39	23.26	23.26	23.15		
15	QPSK	75	0	23.23	23.11	23.27		
15	16QAM	1	0	23.32	23.13	23.23	24.5	1
15	16QAM	1	37	23.26	23.35	23.17		
15	16QAM	1	74	23.12	23.25	23.24		
15	16QAM	36	0	22.17	22.19	22.28	23.5	2
15	16QAM	36	20	22.20	22.18	22.24		
15	16QAM	36	39	22.21	22.32	22.22		
15	16QAM	75	0	22.22	22.18	22.23		
15	64QAM	1	0	22.16	22.28	22.05	23.5	2
15	64QAM	1	37	22.29	22.08	22.19		
15	64QAM	1	74	22.35	22.10	22.05		
15	64QAM	36	0	21.06	21.31	21.21	22.5	3
15	64QAM	36	20	21.28	21.20	21.20		
15	64QAM	36	39	21.26	21.16	21.10		
15	64QAM	75	0	21.21	21.23	21.25		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	24.05	24.13	24.05	25.5	0
10	QPSK	1	25	24.15	24.28	24.20		
10	QPSK	1	49	23.99	24.13	24.07		
10	QPSK	25	0	23.06	23.16	23.13	24.5	1
10	QPSK	25	12	23.27	23.21	23.25		
10	QPSK	25	25	23.21	23.20	23.22		
10	QPSK	50	0	23.20	23.13	23.15		
10	16QAM	1	0	23.21	23.38	23.18	24.5	1
10	16QAM	1	25	23.42	23.44	23.29		
10	16QAM	1	49	23.43	23.12	23.21		
10	16QAM	25	0	22.10	22.11	22.15	23.5	2
10	16QAM	25	12	22.27	22.16	22.15		
10	16QAM	25	25	22.18	22.17	22.23		
10	16QAM	50	0	22.20	22.06	22.16		
10	64QAM	1	0	22.24	22.37	22.37	23.5	2
10	64QAM	1	25	22.39	22.31	22.38		
10	64QAM	1	49	22.39	22.30	22.20		
10	64QAM	25	0	21.01	21.12	21.16	22.5	3
10	64QAM	25	12	21.13	21.22	21.20		
10	64QAM	25	25	21.27	21.14	21.17		
10	64QAM	50	0	21.12	21.22	21.19		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	24.05	24.02	24.00	25.5	0
5	QPSK	1	12	23.96	24.11	24.06		
5	QPSK	1	24	23.82	23.99	24.02		
5	QPSK	12	0	22.86	23.12	23.15	24.5	1
5	QPSK	12	7	23.19	23.16	23.09		
5	QPSK	12	13	22.92	23.03	23.01		
5	QPSK	25	0	23.06	23.01	23.15		
5	16QAM	1	0	23.11	23.17	23.22	24.5	1
5	16QAM	1	12	23.42	23.33	23.37		
5	16QAM	1	24	23.27	23.20	23.14		
5	16QAM	12	0	22.02	22.18	22.11	23.5	2
5	16QAM	12	7	22.07	22.27	22.19		
5	16QAM	12	13	22.12	22.16	21.95		
5	16QAM	25	0	22.07	22.09	22.12		
5	64QAM	1	0	21.98	22.23	22.14	23.5	2
5	64QAM	1	12	22.14	22.30	22.33		
5	64QAM	1	24	22.05	21.94	22.02		
5	64QAM	12	0	20.90	21.22	21.20	22.5	3
5	64QAM	12	7	21.15	21.15	21.19		
5	64QAM	12	13	20.99	21.08	20.99		
5	64QAM	25	0	21.09	21.02	21.08		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	24.12	24.15	24.06	25.5	0
3	QPSK	1	8	24.09	23.94	24.01		
3	QPSK	1	14	23.90	23.99	23.89		
3	QPSK	8	0	23.07	23.16	23.18	24.5	1
3	QPSK	8	4	23.12	23.15	23.02		
3	QPSK	8	7	23.02	23.03	22.96		
3	QPSK	15	0	22.97	23.12	23.13		
3	16QAM	1	0	23.22	23.35	23.31	24.5	1
3	16QAM	1	8	23.26	23.34	23.35		
3	16QAM	1	14	23.07	23.20	23.07		
3	16QAM	8	0	21.97	22.07	22.06	23.5	2
3	16QAM	8	4	22.11	22.25	22.13		
3	16QAM	8	7	22.14	22.22	22.03		
3	16QAM	15	0	22.04	22.16	22.15		
3	64QAM	1	0	21.99	22.18	22.08	23.5	2
3	64QAM	1	8	22.19	22.28	22.30		
3	64QAM	1	14	21.95	22.03	22.08		
3	64QAM	8	0	21.12	21.21	21.19	22.5	3
3	64QAM	8	4	21.13	21.06	21.25		
3	64QAM	8	7	20.94	21.19	20.99		
3	64QAM	15	0	20.96	21.00	20.97		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	24.04	24.03	23.95	25.5	0
1.4	QPSK	1	3	23.89	23.99	24.00		
1.4	QPSK	1	5	23.83	23.93	23.98		
1.4	QPSK	3	0	24.02	23.95	23.88		
1.4	QPSK	3	1	23.68	23.97	23.79		
1.4	QPSK	3	3	23.68	23.95	23.84		
1.4	QPSK	6	0	22.98	22.99	22.98	24.5	1
1.4	16QAM	1	0	23.22	23.37	23.29	24.5	1
1.4	16QAM	1	3	23.38	23.32	23.37		
1.4	16QAM	1	5	23.03	23.22	23.06		
1.4	16QAM	3	0	23.16	23.29	23.15		
1.4	16QAM	3	1	23.35	23.11	23.20		
1.4	16QAM	3	3	22.92	23.03	23.08		
1.4	16QAM	6	0	22.00	22.12	22.11	23.5	2
1.4	64QAM	1	0	22.14	22.20	21.98	23.5	2
1.4	64QAM	1	3	22.11	22.17	22.21		
1.4	64QAM	1	5	22.12	21.95	21.92		
1.4	64QAM	3	0	21.90	22.06	22.10		
1.4	64QAM	3	1	22.21	22.14	22.06		
1.4	64QAM	3	3	22.10	22.15	21.92		
1.4	64QAM	6	0	20.95	21.14	20.96	22.5	3

Band 4 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	24.26	24.35	24.10	25.5	0
20	QPSK	1	49	24.21	24.33	24.25		
20	QPSK	1	99	24.18	24.14	24.07		
20	QPSK	50	0	23.26	23.41	23.25	24.5	1
20	QPSK	50	24	23.35	23.37	23.33		
20	QPSK	50	50	23.40	23.32	23.20		
20	QPSK	100	0	23.31	23.32	23.22		
20	16QAM	1	0	23.59	23.54	23.43	24.5	1
20	16QAM	1	49	23.58	23.61	23.57		
20	16QAM	1	99	23.42	23.37	23.39		
20	16QAM	50	0	22.35	22.36	22.32	23.5	2
20	16QAM	50	24	22.54	22.46	22.40		
20	16QAM	50	50	22.48	22.41	22.29		
20	16QAM	100	0	22.41	22.37	22.26		
20	64QAM	1	0	22.47	22.45	22.32	23.5	2
20	64QAM	1	49	22.36	22.42	22.48		
20	64QAM	1	99	22.30	22.23	22.20		
20	64QAM	50	0	21.32	21.35	21.31	22.5	3
20	64QAM	50	24	21.50	21.47	21.38		
20	64QAM	50	50	21.47	21.41	21.26		
20	64QAM	100	0	21.41	21.38	21.28		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	24.25	24.24	24.15	25.5	0
15	QPSK	1	37	24.31	24.34	24.28		
15	QPSK	1	74	24.28	24.12	24.15		
15	QPSK	36	0	23.31	23.38	23.20	24.5	1
15	QPSK	36	20	23.42	23.30	23.27		
15	QPSK	36	39	23.31	23.36	23.25		
15	QPSK	75	0	23.33	23.25	23.29		
15	16QAM	1	0	23.44	23.33	23.47	24.5	1
15	16QAM	1	37	23.45	23.39	23.56		
15	16QAM	1	74	23.39	23.25	23.41		
15	16QAM	36	0	22.44	22.43	22.35	23.5	2
15	16QAM	36	20	22.50	22.39	22.30		
15	16QAM	36	39	22.44	22.38	22.33		
15	16QAM	75	0	22.41	22.41	22.39		
15	64QAM	1	0	22.45	22.36	22.23	23.5	2
15	64QAM	1	37	22.37	22.34	22.35		
15	64QAM	1	74	22.46	22.36	22.34		
15	64QAM	36	0	21.46	21.43	21.34	22.5	3
15	64QAM	36	20	21.42	21.30	21.36		
15	64QAM	36	39	21.39	21.31	21.26		
15	64QAM	75	0	21.30	21.36	21.40		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.32	24.26	24.19	25.5	0
10	QPSK	1	25	24.28	24.31	24.27		
10	QPSK	1	49	24.25	24.16	24.09		
10	QPSK	25	0	23.37	23.29	23.27	24.5	1
10	QPSK	25	12	23.49	23.35	23.28		
10	QPSK	25	25	23.45	23.26	23.18		
10	QPSK	50	0	23.42	23.31	23.19		
10	16QAM	1	0	23.36	23.43	23.32	24.5	1
10	16QAM	1	25	23.52	23.55	23.23		
10	16QAM	1	49	23.32	23.49	23.41		
10	16QAM	25	0	22.45	22.37	22.20	23.5	2
10	16QAM	25	12	22.55	22.54	22.32		
10	16QAM	25	25	22.49	22.34	22.28		
10	16QAM	50	0	22.44	22.40	22.28		
10	64QAM	1	0	22.35	22.43	22.36	23.5	2
10	64QAM	1	25	22.28	22.27	22.38		
10	64QAM	1	49	22.26	22.31	22.15		
10	64QAM	25	0	21.37	21.46	21.30	22.5	3
10	64QAM	25	12	21.52	21.41	21.45		
10	64QAM	25	25	21.48	21.32	21.23		
10	64QAM	50	0	21.56	21.45	21.36		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	24.31	24.27	24.17	25.5	0
5	QPSK	1	12	24.24	24.25	24.21		
5	QPSK	1	24	24.25	24.12	24.17		
5	QPSK	12	0	23.35	23.32	23.21	24.5	1
5	QPSK	12	7	23.44	23.35	23.26		
5	QPSK	12	13	23.43	23.22	23.22		
5	QPSK	25	0	23.38	23.26	23.15		
5	16QAM	1	0	23.28	23.43	23.41	24.5	1
5	16QAM	1	12	23.32	23.39	23.33		
5	16QAM	1	24	23.29	23.34	23.34		
5	16QAM	12	0	22.42	22.29	22.33	23.5	2
5	16QAM	12	7	22.48	22.47	22.27		
5	16QAM	12	13	22.42	22.37	22.33		
5	16QAM	25	0	22.45	22.39	22.27		
5	64QAM	1	0	22.39	22.21	22.07	23.5	2
5	64QAM	1	12	22.19	22.30	22.25		
5	64QAM	1	24	22.28	22.37	22.17		
5	64QAM	12	0	21.47	21.44	21.21	22.5	3
5	64QAM	12	7	21.49	21.40	21.29		
5	64QAM	12	13	21.42	21.36	21.31		
5	64QAM	25	0	21.41	21.39	21.27		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	24.10	23.97	23.83	25.5	0
3	QPSK	1	8	24.21	24.03	23.97		
3	QPSK	1	14	24.13	23.99	23.88		
3	QPSK	8	0	23.32	23.19	23.08	24.5	1
3	QPSK	8	4	23.39	23.29	23.27		
3	QPSK	8	7	23.41	23.26	23.11		
3	QPSK	15	0	23.25	23.29	23.13		
3	16QAM	1	0	23.24	23.29	22.99	24.5	1
3	16QAM	1	8	23.23	23.09	23.24		
3	16QAM	1	14	23.19	23.17	23.29		
3	16QAM	8	0	22.32	22.34	22.16	23.5	2
3	16QAM	8	4	22.46	22.27	22.32		
3	16QAM	8	7	22.38	22.34	22.27		
3	16QAM	15	0	22.30	22.19	22.31		
3	64QAM	1	0	22.38	22.13	22.04	23.5	2
3	64QAM	1	8	22.22	22.27	22.25		
3	64QAM	1	14	22.34	22.03	22.09		
3	64QAM	8	0	21.40	21.21	21.28	22.5	3
3	64QAM	8	4	21.50	21.41	21.23		
3	64QAM	8	7	21.50	21.26	21.29		
3	64QAM	15	0	21.32	21.43	21.12		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.24	24.23	23.92	25.5	0
1.4	QPSK	1	3	24.28	24.12	24.05		
1.4	QPSK	1	5	24.07	24.08	23.91		
1.4	QPSK	3	0	24.21	24.16	24.07		
1.4	QPSK	3	1	24.15	24.24	24.11		
1.4	QPSK	3	3	24.31	24.23	24.14		
1.4	QPSK	6	0	23.26	23.34	23.31	24.5	1
1.4	16QAM	1	0	23.41	23.29	23.25	24.5	1
1.4	16QAM	1	3	23.35	23.36	23.23		
1.4	16QAM	1	5	23.24	23.33	23.33		
1.4	16QAM	3	0	23.44	23.18	23.28		
1.4	16QAM	3	1	23.42	23.17	23.14		
1.4	16QAM	3	3	23.48	23.30	23.11		
1.4	16QAM	6	0	22.48	22.35	22.44	23.5	2
1.4	64QAM	1	0	22.34	22.26	22.04	23.5	2
1.4	64QAM	1	3	22.24	22.22	22.25		
1.4	64QAM	1	5	22.14	22.07	22.19		
1.4	64QAM	3	0	22.37	22.34	22.25		
1.4	64QAM	3	1	22.43	22.31	22.31		
1.4	64QAM	3	3	22.36	22.30	22.21		
1.4	64QAM	6	0	21.40	21.31	21.29	22.5	3

Band 5 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.33	24.46	24.30	25.5	0
10	QPSK	1	25	24.34	24.36	24.40		
10	QPSK	1	49	24.32	24.34	24.34		
10	QPSK	25	0	23.37	23.44	23.28	24.5	1
10	QPSK	25	12	23.34	23.42	23.37		
10	QPSK	25	25	23.41	23.36	23.39		
10	QPSK	50	0	23.34	23.43	23.41		
10	16QAM	1	0	23.56	23.53	23.53	24.5	1
10	16QAM	1	25	23.64	23.60	23.59		
10	16QAM	1	49	23.52	23.56	23.45		
10	16QAM	25	0	22.40	22.23	22.40	23.5	2
10	16QAM	25	12	22.39	22.37	22.45		
10	16QAM	25	25	22.42	22.32	22.30		
10	16QAM	50	0	22.44	22.31	22.38		
10	64QAM	1	0	22.48	22.43	22.38	23.5	2
10	64QAM	1	25	22.54	22.48	22.48		
10	64QAM	1	49	22.43	22.46	22.39		
10	64QAM	25	0	21.40	21.23	21.39	22.5	3
10	64QAM	25	12	21.40	21.37	21.43		
10	64QAM	25	25	21.41	21.31	21.31		
10	64QAM	50	0	21.41	21.29	21.37		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.10	24.28	24.33	25.5	0
5	QPSK	1	12	24.23	24.34	24.31		
5	QPSK	1	24	24.21	24.21	24.21		
5	QPSK	12	0	23.29	23.24	23.29	24.5	1
5	QPSK	12	7	23.33	23.34	23.29		
5	QPSK	12	13	23.21	23.28	23.37		
5	QPSK	25	0	23.28	23.26	23.28		
5	16QAM	1	0	23.35	23.33	23.36	24.5	1
5	16QAM	1	12	23.49	23.46	23.18		
5	16QAM	1	24	23.24	23.26	23.30		
5	16QAM	12	0	22.31	22.19	22.21	23.5	2
5	16QAM	12	7	22.30	22.34	22.33		
5	16QAM	12	13	22.19	22.19	22.27		
5	16QAM	25	0	22.33	22.11	22.19		
5	64QAM	1	0	22.28	22.11	22.17	23.5	2
5	64QAM	1	12	22.24	22.40	22.39		
5	64QAM	1	24	22.33	22.29	22.28		
5	64QAM	12	0	21.13	21.22	21.25	22.5	3
5	64QAM	12	7	21.32	21.32	21.30		
5	64QAM	12	13	21.19	21.21	21.20		
5	64QAM	25	0	21.26	21.26	21.33		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	23.94	23.96	23.89	25.5	0
3	QPSK	1	8	24.26	23.97	24.05		
3	QPSK	1	14	24.14	23.93	23.99		
3	QPSK	8	0	23.18	23.10	23.13	24.5	1
3	QPSK	8	4	23.18	23.21	23.27		
3	QPSK	8	7	23.12	23.12	23.19		
3	QPSK	15	0	23.19	23.10	23.13		
3	16QAM	1	0	23.15	22.93	23.14	24.5	1
3	16QAM	1	8	23.17	22.82	23.04		
3	16QAM	1	14	23.16	23.11	22.86		
3	16QAM	8	0	22.13	22.20	22.16	23.5	2
3	16QAM	8	4	22.28	22.27	22.17		
3	16QAM	8	7	22.29	22.18	22.12		
3	16QAM	15	0	22.13	22.11	22.14		
3	64QAM	1	0	22.15	21.98	21.76	23.5	2
3	64QAM	1	8	21.92	22.12	22.01		
3	64QAM	1	14	22.05	21.98	21.97		
3	64QAM	8	0	21.17	21.19	21.06	22.5	3
3	64QAM	8	4	21.18	21.19	21.21		
3	64QAM	8	7	21.10	21.03	21.18		
3	64QAM	15	0	21.06	21.19	21.08		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.13	24.11	24.10	25.5	0
1.4	QPSK	1	3	24.25	24.21	24.28		
1.4	QPSK	1	5	24.20	24.12	24.18		
1.4	QPSK	3	0	24.18	24.05	24.08		
1.4	QPSK	3	1	24.24	24.14	24.17		
1.4	QPSK	3	3	24.23	24.18	24.18		
1.4	QPSK	6	0	23.29	23.28	23.28	24.5	1
1.4	16QAM	1	0	23.33	23.39	23.34	24.5	1
1.4	16QAM	1	3	23.14	23.18	23.14		
1.4	16QAM	1	5	23.24	23.17	23.26		
1.4	16QAM	3	0	23.25	23.01	23.05		
1.4	16QAM	3	1	23.19	23.03	22.98		
1.4	16QAM	3	3	23.12	23.08	23.07		
1.4	16QAM	6	0	22.19	22.26	22.34	23.5	2
1.4	64QAM	1	0	22.10	22.10	22.05	23.5	2
1.4	64QAM	1	3	22.02	22.06	22.10		
1.4	64QAM	1	5	22.11	21.95	21.89		
1.4	64QAM	3	0	22.18	22.24	22.12		
1.4	64QAM	3	1	22.06	21.99	22.10		
1.4	64QAM	3	3	22.15	22.21	22.11		
1.4	64QAM	6	0	21.20	21.22	21.14	22.5	3

Band 7 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.16	24.36	24.12	25.5	0
20	QPSK	1	49	24.29	24.17	24.25		
20	QPSK	1	99	24.21	24.24	24.06		
20	QPSK	50	0	23.26	23.41	23.25	24.5	1
20	QPSK	50	24	23.33	23.36	23.34		
20	QPSK	50	50	23.30	23.36	23.12		
20	QPSK	100	0	23.29	23.38	23.16		
20	16QAM	1	0	23.44	23.31	23.25	24.5	1
20	16QAM	1	49	23.47	23.51	23.53		
20	16QAM	1	99	23.53	23.45	23.36		
20	16QAM	50	0	22.28	22.30	22.22	23.5	2
20	16QAM	50	24	22.44	22.37	22.31		
20	16QAM	50	50	22.47	22.36	22.21		
20	16QAM	100	0	22.33	22.28	22.16		
20	64QAM	1	0	22.36	22.22	22.34	23.5	2
20	64QAM	1	49	22.28	22.36	22.37		
20	64QAM	1	99	22.39	22.33	22.24		
20	64QAM	50	0	21.25	21.27	21.24	22.5	3
20	64QAM	50	24	21.32	21.38	21.32		
20	64QAM	50	50	21.41	21.37	21.11		
20	64QAM	100	0	21.36	21.29	21.18		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.07	24.24	24.07	25.5	0
15	QPSK	1	37	24.21	24.03	24.27		
15	QPSK	1	74	24.22	24.16	23.93		
15	QPSK	36	0	23.19	23.37	23.24	24.5	1
15	QPSK	36	20	23.29	23.26	23.31		
15	QPSK	36	39	23.19	23.23	23.11		
15	QPSK	75	0	23.10	23.27	23.15		
15	16QAM	1	0	23.29	23.12	23.26	24.5	1
15	16QAM	1	37	23.39	23.44	23.39		
15	16QAM	1	74	23.47	23.41	23.24		
15	16QAM	36	0	22.22	22.22	22.12	23.5	2
15	16QAM	36	20	22.38	22.36	22.14		
15	16QAM	36	39	22.34	22.19	22.00		
15	16QAM	75	0	22.11	22.28	21.98		
15	64QAM	1	0	22.32	22.06	22.23	23.5	2
15	64QAM	1	37	22.13	22.33	22.38		
15	64QAM	1	74	22.26	22.34	22.05		
15	64QAM	36	0	21.21	21.22	21.19	22.5	3
15	64QAM	36	20	21.26	21.28	21.17		
15	64QAM	36	39	21.37	21.25	21.07		
15	64QAM	75	0	21.28	21.28	21.20		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.99	24.16	23.89	25.5	0
10	QPSK	1	25	24.06	23.97	24.20		
10	QPSK	1	49	24.00	24.10	23.83		
10	QPSK	25	0	23.02	23.26	23.15	24.5	1
10	QPSK	25	12	23.23	23.15	23.27		
10	QPSK	25	25	23.09	23.24	22.91		
10	QPSK	50	0	23.09	23.23	23.05		
10	16QAM	1	0	23.18	23.26	23.05	24.5	1
10	16QAM	1	25	23.21	23.41	23.27		
10	16QAM	1	49	23.32	23.26	23.25		
10	16QAM	25	0	22.13	22.09	21.96	23.5	2
10	16QAM	25	12	22.27	22.25	22.28		
10	16QAM	25	25	22.27	22.19	22.01		
10	16QAM	50	0	22.22	22.05	21.95		
10	64QAM	1	0	22.27	22.11	22.08	23.5	2
10	64QAM	1	25	22.20	22.15	22.33		
10	64QAM	1	49	22.24	22.11	22.15		
10	64QAM	25	0	21.07	21.07	21.14	22.5	3
10	64QAM	25	12	21.09	21.24	21.26		
10	64QAM	25	25	21.18	21.12	20.99		
10	64QAM	50	0	21.27	21.23	21.05		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.01	24.13	23.95	25.5	0
5	QPSK	1	12	24.00	23.89	24.07		
5	QPSK	1	24	24.04	23.96	23.83		
5	QPSK	12	0	23.09	23.22	23.09	24.5	1
5	QPSK	12	7	23.18	23.16	23.18		
5	QPSK	12	13	23.02	23.14	23.02		
5	QPSK	25	0	23.02	23.28	22.92		
5	16QAM	1	0	23.28	23.13	23.15	24.5	1
5	16QAM	1	12	23.35	23.21	23.44		
5	16QAM	1	24	23.26	23.27	23.07		
5	16QAM	12	0	22.06	22.14	21.93	23.5	2
5	16QAM	12	7	22.22	22.17	21.99		
5	16QAM	12	13	22.16	22.18	21.99		
5	16QAM	25	0	22.05	22.09	22.05		
5	64QAM	1	0	22.24	21.98	22.25	23.5	2
5	64QAM	1	12	22.18	22.07	22.26		
5	64QAM	1	24	22.21	22.14	22.04		
5	64QAM	12	0	21.17	21.01	21.01	22.5	3
5	64QAM	12	7	21.15	21.27	21.20		
5	64QAM	12	13	21.25	21.21	20.96		
5	64QAM	25	0	21.08	21.18	20.93		

Band 38 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.23	24.27	23.98	25.5	0
20	QPSK	1	49	24.17	24.26	24.23		
20	QPSK	1	99	24.12	24.06	24.10		
20	QPSK	50	0	23.06	23.21	23.05	24.5	1
20	QPSK	50	24	23.17	23.12	23.08		
20	QPSK	50	50	23.16	23.13	23.13		
20	QPSK	100	0	23.13	23.15	23.14		
20	16QAM	1	0	23.11	23.04	23.05	24.5	1
20	16QAM	1	49	23.31	23.14	23.29		
20	16QAM	1	99	23.15	23.12	23.14		
20	16QAM	50	0	22.20	22.21	22.20	23.5	2
20	16QAM	50	24	22.34	22.33	22.32		
20	16QAM	50	50	22.28	22.28	22.25		
20	16QAM	100	0	22.23	22.17	22.22		
20	64QAM	1	0	21.88	21.99	21.82	23.5	2
20	64QAM	1	49	22.10	22.07	22.07		
20	64QAM	1	99	21.93	21.98	21.91		
20	64QAM	50	0	21.13	21.16	21.12	22.5	3
20	64QAM	50	24	21.27	21.26	21.26		
20	64QAM	50	50	21.21	21.20	21.18		
20	64QAM	100	0	21.26	21.23	21.29		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.13	24.09	23.85	25.5	0
15	QPSK	1	37	23.97	24.11	24.01		
15	QPSK	1	74	24.13	23.90	23.89		
15	QPSK	36	0	22.97	23.15	23.04	24.5	1
15	QPSK	36	20	23.01	23.02	22.89		
15	QPSK	36	39	23.09	23.05	22.91		
15	QPSK	75	0	23.13	23.12	22.99		
15	16QAM	1	0	23.08	23.02	23.01	24.5	1
15	16QAM	1	37	23.27	23.10	23.23		
15	16QAM	1	74	23.12	22.91	22.99		
15	16QAM	36	0	22.10	22.06	22.05	23.5	2
15	16QAM	36	20	22.14	22.29	22.31		
15	16QAM	36	39	22.15	22.15	22.26		
15	16QAM	75	0	22.23	22.16	22.19		
15	64QAM	1	0	21.74	21.91	21.81	23.5	2
15	64QAM	1	37	21.95	22.06	21.86		
15	64QAM	1	74	21.90	21.77	21.75		
15	64QAM	36	0	21.09	21.15	21.13	22.5	3
15	64QAM	36	20	21.18	21.16	21.11		
15	64QAM	36	39	21.18	21.04	21.02		
15	64QAM	75	0	21.26	21.02	21.30		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.00	24.05	23.83	25.5	0
10	QPSK	1	25	24.01	24.07	24.17		
10	QPSK	1	49	23.92	23.86	23.85		
10	QPSK	25	0	22.88	23.11	23.01	24.5	1
10	QPSK	25	12	22.94	23.05	22.94		
10	QPSK	25	25	22.92	23.01	22.92		
10	QPSK	50	0	22.96	23.04	22.87		
10	16QAM	1	0	22.93	22.82	22.92	24.5	1
10	16QAM	1	25	23.09	22.97	23.23		
10	16QAM	1	49	22.97	23.06	23.04		
10	16QAM	25	0	22.11	22.02	22.01	23.5	2
10	16QAM	25	12	22.23	22.26	22.19		
10	16QAM	25	25	22.12	22.20	22.20		
10	16QAM	50	0	22.20	21.98	22.02		
10	64QAM	1	0	21.80	21.85	21.58	23.5	2
10	64QAM	1	25	21.87	21.83	21.89		
10	64QAM	1	49	21.84	21.91	21.85		
10	64QAM	25	0	20.97	20.96	20.93	22.5	3
10	64QAM	25	12	21.15	21.22	21.07		
10	64QAM	25	25	20.95	21.05	21.10		
10	64QAM	50	0	21.11	20.97	21.25		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.03	24.07	23.79	25.5	0
5	QPSK	1	12	23.98	24.01	24.05		
5	QPSK	1	24	23.93	23.85	23.93		
5	QPSK	12	0	22.76	22.92	22.75	24.5	1
5	QPSK	12	7	22.94	23.00	22.91		
5	QPSK	12	13	22.92	22.91	22.86		
5	QPSK	25	0	22.94	23.05	22.85		
5	16QAM	1	0	22.94	22.79	22.83	24.5	1
5	16QAM	1	12	23.17	22.89	23.06		
5	16QAM	1	24	22.90	22.89	22.94		
5	16QAM	12	0	21.95	22.06	22.04	23.5	2
5	16QAM	12	7	22.11	22.19	22.16		
5	16QAM	12	13	22.05	21.97	21.93		
5	16QAM	25	0	21.98	21.93	21.99		
5	64QAM	1	0	21.69	21.90	21.73	23.5	2
5	64QAM	1	12	21.94	21.76	21.88		
5	64QAM	1	24	21.74	21.80	21.78		
5	64QAM	12	0	20.97	21.01	20.98	22.5	3
5	64QAM	12	7	20.99	20.99	21.11		
5	64QAM	12	13	21.06	20.99	21.09		
5	64QAM	25	0	21.16	20.95	21.18		

Band 41 (2.6G Band) Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	24.14	24.21	24.44	24.02	25.5	0
20	QPSK	1	49	24.15	23.99	24.00	24.17		
20	QPSK	1	99	24.06	24.02	24.01	24.03		
20	QPSK	50	0	22.96	22.96	23.21	22.93	24.5	1
20	QPSK	50	24	23.06	22.94	22.90	22.96		
20	QPSK	50	50	23.12	23.07	22.79	22.85		
20	QPSK	100	0	23.00	23.02	23.15	23.13		
20	16QAM	1	0	23.10	23.00	23.08	23.01	24.5	1
20	16QAM	1	49	23.15	23.09	22.92	23.11		
20	16QAM	1	99	22.94	23.20	22.89	23.05		
20	16QAM	50	0	22.21	21.97	22.06	22.12	23.5	2
20	16QAM	50	24	22.22	21.99	22.11	22.15		
20	16QAM	50	50	22.14	22.00	22.14	22.18		
20	16QAM	100	0	22.16	22.06	22.07	22.04		
20	64QAM	1	0	22.30	22.21	22.30	22.32	23.5	2
20	64QAM	1	49	22.47	22.46	22.30	22.39		
20	64QAM	1	99	22.19	22.27	22.27	22.29		
20	64QAM	50	0	21.50	21.34	21.40	21.60	22.5	3
20	64QAM	50	24	21.75	21.45	21.43	21.51		
20	64QAM	50	50	21.66	21.56	21.57	21.59		
20	64QAM	100	0	21.59	21.63	21.63	21.74		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	24.05	24.04	24.29	23.83	25.5	0
15	QPSK	1	37	24.03	23.89	23.87	23.98		
15	QPSK	1	74	23.89	23.86	23.84	23.82		
15	QPSK	36	0	22.88	22.93	23.09	22.84	24.5	1
15	QPSK	36	20	22.91	22.93	22.87	22.78		
15	QPSK	36	39	23.12	22.94	22.81	22.68		
15	QPSK	75	0	22.89	23.01	23.06	23.10		
15	16QAM	1	0	22.92	22.85	23.10	22.74	24.5	1
15	16QAM	1	37	23.05	22.81	22.92	22.83		
15	16QAM	1	74	23.00	22.91	22.64	22.81		
15	16QAM	36	0	22.07	21.90	22.12	22.01	23.5	2
15	16QAM	36	20	22.07	21.80	21.95	22.14		
15	16QAM	36	39	22.14	22.04	21.98	21.86		
15	16QAM	75	0	22.07	21.86	21.86	21.99		
15	64QAM	1	0	22.29	22.08	22.29	22.31	23.5	2
15	64QAM	1	37	22.39	22.43	22.31	22.29		
15	64QAM	1	74	22.02	22.21	22.27	22.12		
15	64QAM	36	0	21.43	21.36	21.28	21.49	22.5	3
15	64QAM	36	20	21.72	21.44	21.44	21.45		
15	64QAM	36	39	21.66	21.34	21.45	21.57		
15	64QAM	75	0	21.53	21.45	21.47	21.73		
Channel				40090	40390	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	24.09	24.23	24.25	24.01	25.5	0
10	QPSK	1	25	24.08	23.85	24.00	24.00		
10	QPSK	1	49	23.91	23.81	23.91	23.88		
10	QPSK	25	0	22.88	22.76	23.14	22.88	24.5	1
10	QPSK	25	12	22.93	22.77	22.72	22.97		
10	QPSK	25	25	23.13	22.90	22.79	22.72		
10	QPSK	50	0	22.93	22.89	23.14	23.02		
10	16QAM	1	0	22.80	22.85	23.16	22.85	24.5	1
10	16QAM	1	25	22.84	22.78	22.83	22.89		
10	16QAM	1	49	22.96	22.87	22.70	22.77		
10	16QAM	25	0	22.05	21.93	21.99	21.95	23.5	2
10	16QAM	25	12	22.09	21.91	21.98	22.08		
10	16QAM	25	25	21.96	21.85	22.11	22.10		
10	16QAM	50	0	21.96	21.88	22.04	21.92		
10	64QAM	1	0	22.27	22.08	22.11	22.19	23.5	2
10	64QAM	1	25	22.34	22.32	22.28	22.40		
10	64QAM	1	49	22.09	22.23	22.06	22.12		
10	64QAM	25	0	21.37	21.35	21.35	21.44	22.5	3
10	64QAM	25	12	21.58	21.30	21.31	21.44		
10	64QAM	25	25	21.52	21.40	21.46	21.56		
10	64QAM	50	0	21.39	21.53	21.62	21.75		
Channel				40065	40385	40705	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	24.13	24.14	24.26	23.84	25.5	0
5	QPSK	1	12	24.07	23.98	23.96	24.13		
5	QPSK	1	24	23.86	23.91	23.89	23.84		
5	QPSK	12	0	22.89	22.92	23.09	22.94	24.5	1
5	QPSK	12	7	22.95	22.72	22.76	22.95		
5	QPSK	12	13	23.06	22.98	22.65	22.71		
5	QPSK	25	0	23.01	22.92	23.16	23.00		
5	16QAM	1	0	23.02	22.91	23.08	22.90	24.5	1
5	16QAM	1	12	23.01	23.00	22.74	23.05		
5	16QAM	1	24	22.75	23.15	22.70	22.83		
5	16QAM	12	0	21.99	21.97	21.96	21.98	23.5	2
5	16QAM	12	7	22.03	21.93	21.91	22.01		
5	16QAM	12	13	21.94	21.82	22.03	22.12		
5	16QAM	25	0	21.95	22.05	22.09	21.87		
5	64QAM	1	0	22.09	22.00	22.22	22.15	23.5	2
5	64QAM	1	12	22.44	22.28	22.10	22.29		
5	64QAM	1	24	22.02	22.11	22.29	22.28		
5	64QAM	12	0	21.41	21.34	21.26	21.53	22.5	3
5	64QAM	12	7	21.75	21.45	21.32	21.38		
5	64QAM	12	13	21.60	21.52	21.55	21.40		
5	64QAM	25	0	21.57	21.42	21.44	21.70		

Band 2 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	24.48	24.67	24.51	25.5	0
20	QPSK	1	49	24.31	24.47	24.44		
20	QPSK	1	99	24.38	24.59	24.37		
20	QPSK	50	0	23.59	23.70	23.50	24.5	1
20	QPSK	50	24	23.47	23.55	23.56		
20	QPSK	50	50	23.29	23.35	23.40		
20	QPSK	100	0	23.45	23.62	23.42		
20	16QAM	1	0	23.39	23.65	23.48	24.5	1
20	16QAM	1	49	23.26	23.50	23.46		
20	16QAM	1	99	23.33	23.60	23.36		
20	16QAM	50	0	22.53	22.52	22.41	23.5	2
20	16QAM	50	24	22.33	22.57	22.47		
20	16QAM	50	50	22.28	22.54	22.41		
20	16QAM	100	0	22.43	22.66	22.33		
20	64QAM	1	0	22.56	22.65	22.40	23.5	2
20	64QAM	1	49	22.47	22.74	22.44		
20	64QAM	1	99	22.26	22.39	22.52		
20	64QAM	50	0	21.51	21.56	21.41	22.5	3
20	64QAM	50	24	21.50	21.77	21.51		
20	64QAM	50	50	21.46	21.67	21.47		
20	64QAM	100	0	21.19	21.50	21.57		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	24.34	24.49	24.40	25.5	0
15	QPSK	1	37	24.32	24.46	24.39		
15	QPSK	1	74	24.21	24.57	24.34		
15	QPSK	36	0	23.51	23.49	23.45	24.5	1
15	QPSK	36	20	23.40	23.52	23.37		
15	QPSK	36	39	23.23	23.14	23.38		
15	QPSK	75	0	23.45	23.47	23.37		
15	16QAM	1	0	23.18	23.47	23.44	24.5	1
15	16QAM	1	37	23.09	23.44	23.40		
15	16QAM	1	74	23.30	23.55	23.23		
15	16QAM	36	0	22.38	22.42	22.33	23.5	2
15	16QAM	36	20	22.20	22.39	22.26		
15	16QAM	36	39	22.10	22.33	22.38		
15	16QAM	75	0	22.34	22.60	22.23		
15	64QAM	1	0	22.38	22.44	22.33	23.5	2
15	64QAM	1	37	22.31	22.53	22.25		
15	64QAM	1	74	22.06	22.40	22.38		
15	64QAM	36	0	21.34	21.47	21.24	22.5	3
15	64QAM	36	20	21.39	21.59	21.34		
15	64QAM	36	39	21.39	21.58	21.29		
15	64QAM	75	0	21.08	21.35	21.48		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	24.41	24.47	24.38	25.5	0
10	QPSK	1	25	24.30	24.35	24.39		
10	QPSK	1	49	24.37	24.42	24.27		
10	QPSK	25	0	23.55	23.69	23.45	24.5	1
10	QPSK	25	12	23.28	23.55	23.44		
10	QPSK	25	25	23.19	23.32	23.33		
10	QPSK	50	0	23.32	23.50	23.33		
10	16QAM	1	0	23.40	23.61	23.49	24.5	1
10	16QAM	1	25	23.24	23.49	23.26		
10	16QAM	1	49	23.13	23.56	23.16		
10	16QAM	25	0	22.38	22.31	22.37	23.5	2
10	16QAM	25	12	22.16	22.36	22.48		
10	16QAM	25	25	22.26	22.33	22.36		
10	16QAM	50	0	22.32	22.65	22.34		
10	64QAM	1	0	22.58	22.45	22.26	23.5	2
10	64QAM	1	25	22.38	22.56	22.36		
10	64QAM	1	49	22.11	22.37	22.32		
10	64QAM	25	0	21.42	21.50	21.39	22.5	3
10	64QAM	25	12	21.51	21.75	21.47		
10	64QAM	25	25	21.35	21.47	21.40		
10	64QAM	50	0	21.11	21.35	21.57		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	24.37	24.52	24.43	25.5	0
5	QPSK	1	12	24.16	24.42	24.33		
5	QPSK	1	24	24.31	24.60	24.15		
5	QPSK	12	0	23.41	23.62	23.43	24.5	1
5	QPSK	12	7	23.35	23.55	23.48		
5	QPSK	12	13	23.16	23.13	23.23		
5	QPSK	25	0	23.44	23.43	23.23		
5	16QAM	1	0	23.21	23.53	23.32	24.5	1
5	16QAM	1	12	23.08	23.37	23.26		
5	16QAM	1	24	23.24	23.48	23.31		
5	16QAM	12	0	22.52	22.46	22.28	23.5	2
5	16QAM	12	7	22.29	22.54	22.46		
5	16QAM	12	13	22.18	22.32	22.41		
5	16QAM	25	0	22.22	22.55	22.24		
5	64QAM	1	0	22.46	22.57	22.23	23.5	2
5	64QAM	1	12	22.42	22.70	22.22		
5	64QAM	1	24	22.23	22.36	22.31		
5	64QAM	12	0	21.38	21.44	21.33	22.5	3
5	64QAM	12	7	21.45	21.63	21.35		
5	64QAM	12	13	21.36	21.54	21.34		
5	64QAM	25	0	21.18	21.30	21.44		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	24.36	24.62	24.46	25.5	0
3	QPSK	1	8	24.13	24.44	24.34		
3	QPSK	1	14	24.35	24.45	24.25		
3	QPSK	8	0	23.51	23.49	23.35	24.5	1
3	QPSK	8	4	23.43	23.38	23.48		
3	QPSK	8	7	23.10	23.28	23.21		
3	QPSK	15	0	23.45	23.55	23.29		
3	16QAM	1	0	23.40	23.51	23.30	24.5	1
3	16QAM	1	8	23.21	23.43	23.35		
3	16QAM	1	14	23.34	23.58	23.34		
3	16QAM	8	0	22.51	22.35	22.25	23.5	2
3	16QAM	8	4	22.20	22.56	22.39		
3	16QAM	8	7	22.21	22.47	22.40		
3	16QAM	15	0	22.32	22.57	22.24		
3	64QAM	1	0	22.56	22.66	22.34	23.5	2
3	64QAM	1	8	22.47	22.66	22.30		
3	64QAM	1	14	22.22	22.28	22.52		
3	64QAM	8	0	21.33	21.51	21.40	22.5	3
3	64QAM	8	4	21.50	21.56	21.30		
3	64QAM	8	7	21.33	21.67	21.32		
3	64QAM	15	0	21.14	21.34	21.56		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	24.24	24.47	24.34	25.5	0
1.4	QPSK	1	3	24.04	24.24	24.31		
1.4	QPSK	1	5	24.31	24.42	24.25		
1.4	QPSK	3	0	24.21	24.50	24.42		
1.4	QPSK	3	1	24.11	24.36	24.20		
1.4	QPSK	3	3	24.21	24.26	24.13		
1.4	QPSK	6	0	23.17	23.44	23.14	24.5	1
1.4	16QAM	1	0	23.33	23.37	23.29	24.5	1
1.4	16QAM	1	3	23.07	23.34	23.34		
1.4	16QAM	1	5	23.26	23.39	23.15		
1.4	16QAM	3	0	23.37	23.45	23.24		
1.4	16QAM	3	1	23.19	23.29	23.15		
1.4	16QAM	3	3	23.14	23.52	23.23		
1.4	16QAM	6	0	22.25	22.50	22.22	23.5	2
1.4	64QAM	1	0	22.52	22.48	22.31	23.5	2
1.4	64QAM	1	3	22.47	22.48	22.32		
1.4	64QAM	1	5	22.10	22.16	22.43		
1.4	64QAM	3	0	22.56	22.57	22.13		
1.4	64QAM	3	1	22.40	22.53	22.19		
1.4	64QAM	3	3	22.16	22.14	22.50		
1.4	64QAM	6	0	21.00	21.40	21.45	22.5	3

Band 7 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20650	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.07	24.23	24.02	25.5	0
20	QPSK	1	49	24.00	24.19	23.97		
20	QPSK	1	99	24.08	24.10	23.89		
20	QPSK	50	0	23.00	23.19	23.03	24.5	1
20	QPSK	50	24	23.11	23.15	23.03		
20	QPSK	50	50	23.00	23.09	22.86		
20	QPSK	100	0	23.01	23.11	22.97		
20	16QAM	1	0	22.93	23.12	22.88	24.5	1
20	16QAM	1	49	22.84	23.00	22.86		
20	16QAM	1	99	22.97	23.08	22.80		
20	16QAM	50	0	21.87	21.96	22.02	23.5	2
20	16QAM	50	24	22.02	22.01	21.87		
20	16QAM	50	50	21.94	21.96	21.81		
20	16QAM	100	0	21.99	21.97	21.83		
20	64QAM	1	0	21.84	22.07	21.86	23.5	2
20	64QAM	1	49	22.04	22.12	21.88		
20	64QAM	1	99	22.08	22.10	21.89		
20	64QAM	50	0	21.02	20.90	20.72	22.5	3
20	64QAM	50	24	20.79	21.01	20.81		
20	64QAM	50	50	21.04	21.05	20.98		
20	64QAM	100	0	20.97	21.02	20.97		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.93	24.09	23.97	25.5	0
15	QPSK	1	37	23.92	24.08	23.93		
15	QPSK	1	74	24.00	24.01	23.67		
15	QPSK	36	0	22.80	23.05	22.85	24.5	1
15	QPSK	36	20	23.08	22.93	22.95		
15	QPSK	36	39	22.92	23.03	22.78		
15	QPSK	75	0	22.93	22.91	22.83		
15	16QAM	1	0	22.84	22.90	22.68	24.5	1
15	16QAM	1	37	22.73	22.78	22.77		
15	16QAM	1	74	22.76	22.89	22.72		
15	16QAM	36	0	21.81	21.96	22.03	23.5	2
15	16QAM	36	20	21.81	21.96	21.81		
15	16QAM	36	39	21.84	21.95	21.60		
15	16QAM	75	0	21.97	21.82	21.64		
15	64QAM	1	0	21.85	21.91	21.82	23.5	2
15	64QAM	1	37	21.84	22.10	21.73		
15	64QAM	1	74	21.88	22.00	21.71		
15	64QAM	36	0	20.96	20.83	20.52	22.5	3
15	64QAM	36	20	20.58	20.95	20.59		
15	64QAM	36	39	21.00	20.90	20.86		
15	64QAM	75	0	20.95	20.97	20.92		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.00	24.01	24.02	25.5	0
10	QPSK	1	25	23.90	24.09	23.99		
10	QPSK	1	49	24.10	23.92	23.75		
10	QPSK	25	0	22.90	23.16	22.97	24.5	1
10	QPSK	25	12	23.07	23.00	23.02		
10	QPSK	25	25	22.97	23.02	22.75		
10	QPSK	50	0	22.85	22.95	22.75		
10	16QAM	1	0	22.73	23.01	22.85	24.5	1
10	16QAM	1	25	22.69	22.79	22.77		
10	16QAM	1	49	22.95	22.97	22.67		
10	16QAM	25	0	21.66	21.97	21.99	23.5	2
10	16QAM	25	12	21.98	21.95	21.77		
10	16QAM	25	25	21.78	21.82	21.77		
10	16QAM	50	0	22.01	21.81	21.78		
10	64QAM	1	0	21.80	21.96	21.79	23.5	2
10	64QAM	1	25	22.03	21.98	21.77		
10	64QAM	1	49	21.90	22.10	21.81		
10	64QAM	25	0	20.87	20.74	20.57	22.5	3
10	64QAM	25	12	20.67	20.89	20.78		
10	64QAM	25	25	20.99	20.94	20.94		
10	64QAM	50	0	20.95	20.89	20.88		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.01	24.15	23.97	25.5	0
5	QPSK	1	12	23.89	23.99	23.97		
5	QPSK	1	24	24.01	23.97	23.82		
5	QPSK	12	0	22.93	22.98	23.02	24.5	1
5	QPSK	12	7	23.06	23.01	22.87		
5	QPSK	12	13	23.01	22.88	22.85		
5	QPSK	25	0	22.97	23.03	22.78		
5	16QAM	1	0	22.84	23.10	22.76	24.5	1
5	16QAM	1	12	22.74	22.83	22.72		
5	16QAM	1	24	22.75	23.03	22.64		
5	16QAM	12	0	21.65	21.75	21.93	23.5	2
5	16QAM	12	7	22.04	21.79	21.82		
5	16QAM	12	13	21.96	21.80	21.65		
5	16QAM	25	0	21.90	21.95	21.64		
5	64QAM	1	0	21.74	22.08	21.68	23.5	2
5	64QAM	1	12	21.88	22.09	21.71		
5	64QAM	1	24	22.01	21.89	21.84		
5	64QAM	12	0	20.85	20.81	20.72	22.5	3
5	64QAM	12	7	20.68	20.81	20.82		
5	64QAM	12	13	21.00	21.00	20.82		
5	64QAM	25	0	20.84	20.93	20.82		

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	21.64	21.82	21.69	23	0
20	QPSK	1	49	21.35	21.58	21.46		
20	QPSK	1	99	21.32	21.68	21.78		
20	QPSK	50	0	20.66	20.90	20.56	22	1
20	QPSK	50	24	20.63	20.50	20.52		
20	QPSK	50	50	20.57	20.70	20.89		
20	QPSK	100	0	20.59	20.70	20.64		
20	16QAM	1	0	20.44	20.65	20.80	22	1
20	16QAM	1	49	20.48	20.53	20.62		
20	16QAM	1	99	20.34	20.63	20.59		
20	16QAM	50	0	19.47	19.76	19.43	21	2
20	16QAM	50	24	19.67	19.60	19.55		
20	16QAM	50	50	19.36	19.65	19.85		
20	16QAM	100	0	19.57	19.62	19.68		
20	64QAM	1	0	19.38	19.81	19.52	21	2
20	64QAM	1	49	19.73	19.60	19.38		
20	64QAM	1	99	19.56	19.77	19.67		
20	64QAM	50	0	18.72	18.75	18.62	20	3
20	64QAM	50	24	18.43	18.86	18.79		
20	64QAM	50	50	18.59	18.71	18.48		
20	64QAM	100	0	18.34	18.68	18.82		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.50	21.66	21.69	23	0
15	QPSK	1	37	21.35	21.75	21.56		
15	QPSK	1	74	21.45	21.70	21.69		
15	QPSK	36	0	20.56	20.75	20.69	22	1
15	QPSK	36	20	20.59	20.51	20.57		
15	QPSK	36	39	20.60	20.74	20.73		
15	QPSK	75	0	20.57	20.70	20.65		
15	16QAM	1	0	20.43	20.78	20.93	22	1
15	16QAM	1	37	20.55	20.64	20.59		
15	16QAM	1	74	20.42	20.59	20.64		
15	16QAM	36	0	19.59	19.56	19.46	21	2
15	16QAM	36	20	19.72	19.76	19.64		
15	16QAM	36	39	19.39	19.59	19.68		
15	16QAM	75	0	19.58	19.71	19.80		
15	64QAM	1	0	19.57	19.74	19.48	21	2
15	64QAM	1	37	19.71	19.51	19.42		
15	64QAM	1	74	19.46	19.67	19.60		
15	64QAM	36	0	18.68	18.78	18.62	20	3
15	64QAM	36	20	18.52	18.69	18.76		
15	64QAM	36	39	18.61	18.52	18.29		
15	64QAM	75	0	18.35	18.74	18.82		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.54	21.75	21.60	23	0
10	QPSK	1	25	21.41	21.81	21.55		
10	QPSK	1	49	21.43	21.73	21.59		
10	QPSK	25	0	20.49	20.70	20.58	22	1
10	QPSK	25	12	20.79	20.57	20.68		
10	QPSK	25	25	20.60	20.67	20.84		
10	QPSK	50	0	20.59	20.71	20.71		
10	16QAM	1	0	20.56	20.79	20.85	22	1
10	16QAM	1	25	20.52	20.66	20.64		
10	16QAM	1	49	20.40	20.69	20.64		
10	16QAM	25	0	19.51	19.71	19.40	21	2
10	16QAM	25	12	19.74	19.71	19.55		
10	16QAM	25	25	19.35	19.47	19.73		
10	16QAM	50	0	19.64	19.61	19.74		
10	64QAM	1	0	19.40	19.71	19.50	21	2
10	64QAM	1	25	19.72	19.47	19.36		
10	64QAM	1	49	19.39	19.66	19.73		
10	64QAM	25	0	18.61	18.70	18.56	20	3
10	64QAM	25	12	18.49	18.91	18.65		
10	64QAM	25	25	18.62	18.65	18.36		
10	64QAM	50	0	18.36	18.73	18.74		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.46	21.65	21.77	23	0
5	QPSK	1	12	21.32	21.67	21.47		
5	QPSK	1	24	21.42	21.65	21.73		
5	QPSK	12	0	20.49	20.74	20.59	22	1
5	QPSK	12	7	20.74	20.67	20.53		
5	QPSK	12	13	20.60	20.71	20.75		
5	QPSK	25	0	20.56	20.74	20.71		
5	16QAM	1	0	20.55	20.71	20.80	22	1
5	16QAM	1	12	20.48	20.51	20.45		
5	16QAM	1	24	20.38	20.67	20.67		
5	16QAM	12	0	19.43	19.71	19.50	21	2
5	16QAM	12	7	19.57	19.77	19.51		
5	16QAM	12	13	19.38	19.49	19.71		
5	16QAM	25	0	19.51	19.73	19.70		
5	64QAM	1	0	19.48	19.89	19.52	21	2
5	64QAM	1	12	19.68	19.53	19.52		
5	64QAM	1	24	19.48	19.64	19.74		
5	64QAM	12	0	18.49	18.79	18.60	20	3
5	64QAM	12	7	18.55	18.79	18.86		
5	64QAM	12	13	18.60	18.63	18.36		
5	64QAM	25	0	18.26	18.71	18.77		

Band 41 (2.6G Band) Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	21.68	21.62	21.84	21.82	23	0
20	QPSK	1	49	21.70	21.69	21.65	21.53		
20	QPSK	1	99	21.70	21.79	21.62	21.61		
20	QPSK	50	0	20.59	20.57	20.69	20.65	22	1
20	QPSK	50	24	20.40	20.67	20.48	20.54		
20	QPSK	50	50	20.51	20.64	20.62	20.62		
20	QPSK	100	0	20.38	20.55	20.73	20.61		
20	16QAM	1	0	20.46	20.58	20.61	20.92	22	1
20	16QAM	1	49	20.60	20.55	20.69	20.48		
20	16QAM	1	99	20.51	20.49	20.49	20.77		
20	16QAM	50	0	19.57	19.42	19.60	19.43	21	2
20	16QAM	50	24	19.47	19.73	19.58	19.49		
20	16QAM	50	50	19.42	19.74	19.54	19.83		
20	16QAM	100	0	19.34	19.59	19.54	19.72		
20	64QAM	1	0	19.51	19.67	19.87	19.51	21	2
20	64QAM	1	49	19.58	19.70	19.60	19.51		
20	64QAM	1	99	19.64	19.57	19.64	19.75		
20	64QAM	50	0	18.81	18.68	18.67	18.61	20	3
20	64QAM	50	24	18.57	18.68	18.90	18.82		
20	64QAM	50	50	18.64	18.64	18.55	18.77		
20	64QAM	100	0	18.45	18.67	18.84	18.82		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	21.50	21.51	21.75	21.78	23	0
15	QPSK	1	37	21.58	21.50	21.59	21.48		
15	QPSK	1	74	21.53	21.76	21.46	21.51		
15	QPSK	36	0	20.57	20.59	20.53	20.47	22	1
15	QPSK	36	20	20.21	20.67	20.43	20.36		
15	QPSK	36	39	20.50	20.48	20.66	20.63		
15	QPSK	75	0	20.38	20.41	20.70	20.54		
15	16QAM	1	0	20.41	20.40	20.55	20.58	22	1
15	16QAM	1	37	20.38	20.64	20.36	20.45		
15	16QAM	1	74	20.52	20.59	20.69	20.67		
15	16QAM	36	0	19.39	19.34	19.56	19.33	21	2
15	16QAM	36	20	19.44	19.69	19.54	19.29		
15	16QAM	36	39	19.40	19.56	19.41	19.62		
15	16QAM	75	0	19.15	19.52	19.51	19.61		
15	64QAM	1	0	19.42	19.31	19.55	19.29	21	2
15	64QAM	1	37	19.37	19.52	19.55	19.41		
15	64QAM	1	74	19.26	19.62	19.52	19.67		
15	64QAM	36	0	18.79	18.53	18.46	18.55	20	3
15	64QAM	36	20	18.41	18.59	18.86	18.78		
15	64QAM	36	39	18.48	18.42	18.40	18.63		
15	64QAM	75	0	18.42	18.68	18.81	18.68		
Channel				40090	40390	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	21.54	21.42	21.62	21.74	23	0
10	QPSK	1	25	21.54	21.55	21.56	21.42		
10	QPSK	1	49	21.67	21.57	21.40	21.43		
10	QPSK	25	0	20.49	20.41	20.62	20.66	22	1
10	QPSK	25	12	20.25	20.55	20.26	20.46		
10	QPSK	25	25	20.52	20.50	20.72	20.65		
10	QPSK	50	0	20.37	20.56	20.66	20.48		
10	16QAM	1	0	20.39	20.59	20.53	20.75	22	1
10	16QAM	1	25	20.51	20.41	20.70	20.47		
10	16QAM	1	49	20.39	20.40	20.42	20.72		
10	16QAM	25	0	19.36	19.31	19.46	19.31	21	2
10	16QAM	25	12	19.39	19.62	19.42	19.39		
10	16QAM	25	25	19.34	19.58	19.48	19.69		
10	16QAM	50	0	19.26	19.49	19.51	19.63		
10	64QAM	1	0	19.33	19.47	19.77	19.49	21	2
10	64QAM	1	25	19.59	19.69	19.44	19.35		
10	64QAM	1	49	19.61	19.56	19.49	19.64		
10	64QAM	25	0	18.74	18.51	18.57	18.40	20	3
10	64QAM	25	12	18.49	18.51	18.84	18.77		
10	64QAM	25	25	18.43	18.54	18.45	18.65		
10	64QAM	50	0	18.30	18.47	18.62	18.75		
Channel				40065	40385	40705	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	21.57	21.44	21.78	21.68	23	0
5	QPSK	1	12	21.66	21.66	21.66	21.41		
5	QPSK	1	24	21.58	21.72	21.47	21.60		
5	QPSK	12	0	20.50	20.43	20.56	20.50	22	1
5	QPSK	12	7	20.32	20.53	20.37	20.52		
5	QPSK	12	13	20.31	20.58	20.62	20.73		
5	QPSK	25	0	20.18	20.40	20.54	20.61		
5	16QAM	1	0	20.43	20.56	20.52	20.82	22	1
5	16QAM	1	12	20.54	20.42	20.68	20.38		
5	16QAM	1	24	20.52	20.32	20.43	20.76		
5	16QAM	12	0	19.46	19.35	19.49	19.27	21	2
5	16QAM	12	7	19.31	19.64	19.46	19.47		
5	16QAM	12	13	19.30	19.65	19.43	19.62		
5	16QAM	25	0	19.36	19.40	19.47	19.60		
5	64QAM	1	0	19.43	19.51	19.66	19.34	21	2
5	64QAM	1	12	19.52	19.64	19.51	19.47		
5	64QAM	1	24	19.56	19.46	19.63	19.57		
5	64QAM	12	0	18.82	18.51	18.45	18.60	20	3
5	64QAM	12	7	18.41	18.56	18.73	18.64		
5	64QAM	12	13	18.61	18.56	18.37	18.57		
5	64QAM	25	0	18.33	18.47	18.65	18.65		

Reduced Power for WWAN

GSM850 Ant 1 DSI1

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

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

		WCDMA II Ant 1 DSI1				WCDMA IV Ant 1 DSI1				WCDMA V Ant 1 DSI1			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.16	24.13	24.06	25.50	24.14	24.17	24.03	25.50	24.33	24.43	24.23	25.50
3GPP Rel 99	RMC 12.2Kbps	24.27	24.29	24.18	25.50	24.18	24.27	24.07	25.50	24.43	24.55	24.33	25.50
3GPP Rel 6	HSDPA Subtest-1	23.15	23.17	23.13	24.50	23.03	23.18	22.95	24.50	23.62	23.61	23.66	24.50
3GPP Rel 6	HSDPA Subtest-2	23.05	23.13	23.07	24.50	22.97	23.10	22.81	24.50	23.53	23.56	23.58	24.50
3GPP Rel 6	HSDPA Subtest-3	22.62	22.58	22.57	24.50	22.59	22.65	22.51	24.50	23.03	23.06	23.11	24.50
3GPP Rel 6	HSDPA Subtest-4	22.58	22.63	22.53	24.50	22.58	22.54	22.59	24.50	23.05	23.06	23.09	24.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.23	23.22	23.24	25.00	23.07	23.22	23.17	25.00	23.54	23.72	23.70	25.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.17	23.12	23.16	25.00	23.06	23.05	23.14	25.00	23.52	23.45	23.57	25.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.58	22.52	22.66	24.50	22.53	22.75	22.59	24.50	22.96	22.98	23.11	24.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.67	22.53	22.51	24.50	22.58	22.55	22.58	24.50	22.95	22.99	23.14	24.50
3GPP Rel 6	HSUPA Subtest-1	21.20	21.23	21.13	23.00	21.02	21.23	21.02	23.00	21.66	21.52	21.66	23.00
3GPP Rel 6	HSUPA Subtest-2	21.16	21.21	21.05	23.00	21.01	21.20	21.01	23.00	21.56	21.48	21.63	23.00
3GPP Rel 6	HSUPA Subtest-3	22.15	22.14	22.13	24.00	22.01	22.19	22.01	24.00	22.63	22.56	22.63	24.00
3GPP Rel 6	HSUPA Subtest-4	20.64	20.66	20.63	22.50	20.59	20.70	20.59	22.50	21.03	20.99	21.10	22.50
3GPP Rel 6	HSUPA Subtest-5	22.20	22.10	22.10	24.00	22.10	22.20	22.10	24.00	22.50	22.40	22.50	24.00

Band 2 Ant1 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				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	24.00	24.18	23.95	25.5	0
20	QPSK	1	49	24.04	24.12	24.00		
20	QPSK	1	99	23.86	23.98	23.89		
20	QPSK	50	0	22.97	23.20	23.05	24.5	1
20	QPSK	50	24	23.05	23.12	23.07		
20	QPSK	50	50	23.04	23.02	22.98		
20	QPSK	100	0	22.88	23.00	22.93		
20	16QAM	1	0	23.18	23.25	23.21	24.5	1
20	16QAM	1	49	23.23	23.22	23.03		
20	16QAM	1	99	23.01	23.17	22.96		
20	16QAM	50	0	21.99	21.99	22.05	23.5	2
20	16QAM	50	24	22.15	22.14	22.01		
20	16QAM	50	50	21.97	22.09	21.85		
20	16QAM	100	0	21.92	22.11	21.98		
20	64QAM	1	0	22.21	22.23	22.14	23.5	2
20	64QAM	1	49	22.23	22.20	22.25		
20	64QAM	1	99	21.97	22.05	21.99		
20	64QAM	50	0	21.03	21.01	21.14	22.5	3
20	64QAM	50	24	21.19	21.14	21.15		
20	64QAM	50	50	21.05	21.09	20.97		
20	64QAM	100	0	21.02	21.05	21.04		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.88	24.11	23.82	25.5	0
15	QPSK	1	37	24.05	23.91	23.99		
15	QPSK	1	74	23.79	23.76	23.82		
15	QPSK	36	0	22.95	23.15	22.95	24.5	1
15	QPSK	36	20	22.85	22.97	22.98		
15	QPSK	36	39	23.03	22.98	22.79		
15	QPSK	75	0	22.83	22.98	22.78		
15	16QAM	1	0	22.97	23.05	23.10	24.5	1
15	16QAM	1	37	23.08	23.07	23.00		
15	16QAM	1	74	22.89	22.99	22.81		
15	16QAM	36	0	21.86	21.92	21.93	23.5	2
15	16QAM	36	20	22.04	21.99	21.96		
15	16QAM	36	39	21.97	21.92	21.68		
15	16QAM	75	0	21.86	22.10	21.90		
15	64QAM	1	0	22.03	22.23	21.95	23.5	2
15	64QAM	1	37	22.12	22.10	22.24		
15	64QAM	1	74	21.98	21.88	22.00		
15	64QAM	36	0	20.90	20.88	20.94	22.5	3
15	64QAM	36	20	21.11	20.99	20.97		
15	64QAM	36	39	20.93	20.95	20.84		
15	64QAM	75	0	20.93	20.87	20.96		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.88	24.06	23.93	25.5	0
10	QPSK	1	25	23.94	23.93	23.99		
10	QPSK	1	49	23.75	23.85	23.79		
10	QPSK	25	0	22.83	23.01	22.97	24.5	1
10	QPSK	25	12	23.02	23.08	23.08		
10	QPSK	25	25	22.92	22.88	22.82		
10	QPSK	50	0	22.84	22.89	22.95		
10	16QAM	1	0	23.13	23.14	23.16	24.5	1
10	16QAM	1	25	23.05	23.20	22.93		
10	16QAM	1	49	22.99	23.18	22.89		
10	16QAM	25	0	21.86	21.93	21.91	23.5	2
10	16QAM	25	12	22.01	22.08	21.98		
10	16QAM	25	25	21.89	22.08	21.69		
10	16QAM	50	0	21.91	22.11	21.82		
10	64QAM	1	0	22.12	22.21	22.08	23.5	2
10	64QAM	1	25	22.11	22.22	22.21		
10	64QAM	1	49	21.93	21.92	21.90		
10	64QAM	25	0	20.86	21.01	21.09	22.5	3
10	64QAM	25	12	20.97	21.15	21.11		
10	64QAM	25	25	20.86	20.93	20.86		
10	64QAM	50	0	20.83	20.94	20.86		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.88	23.98	23.75	25.5	0
5	QPSK	1	12	23.99	24.10	23.80		
5	QPSK	1	24	23.72	23.92	23.73		
5	QPSK	12	0	22.80	23.18	22.97	24.5	1
5	QPSK	12	7	23.01	22.97	22.90		
5	QPSK	12	13	22.89	22.97	22.96		
5	QPSK	25	0	22.86	22.96	22.84		
5	16QAM	1	0	23.06	23.07	23.05	24.5	1
5	16QAM	1	12	23.12	23.21	22.92		
5	16QAM	1	24	22.85	23.16	22.86		
5	16QAM	12	0	21.97	21.79	21.97	23.5	2
5	16QAM	12	7	22.12	22.00	21.79		
5	16QAM	12	13	21.76	21.91	21.75		
5	16QAM	25	0	21.71	21.98	21.91		
5	64QAM	1	0	22.18	22.14	22.16	23.5	2
5	64QAM	1	12	22.02	22.04	22.21		
5	64QAM	1	24	21.98	21.93	21.86		
5	64QAM	12	0	20.89	20.91	21.02	22.5	3
5	64QAM	12	7	21.10	21.11	20.96		
5	64QAM	12	13	20.93	20.87	20.94		
5	64QAM	25	0	20.97	20.88	20.93		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.91	23.92	23.80	25.5	0
3	QPSK	1	8	23.89	23.82	23.76		
3	QPSK	1	14	23.58	23.79	23.61		
3	QPSK	8	0	22.79	23.04	22.83	24.5	1
3	QPSK	8	4	22.88	22.91	22.88		
3	QPSK	8	7	22.79	22.87	22.73		
3	QPSK	15	0	22.74	22.83	22.68		
3	16QAM	1	0	23.05	23.01	23.12	24.5	1
3	16QAM	1	8	23.03	22.98	22.92		
3	16QAM	1	14	22.89	22.92	22.82		
3	16QAM	8	0	21.79	21.73	21.74	23.5	2
3	16QAM	8	4	22.07	21.89	21.84		
3	16QAM	8	7	21.75	21.83	21.73		
3	16QAM	15	0	21.80	21.89	21.78		
3	64QAM	1	0	21.94	21.98	21.86	23.5	2
3	64QAM	1	8	21.98	21.94	22.02		
3	64QAM	1	14	21.80	21.80	21.81		
3	64QAM	8	0	20.95	20.91	20.99	22.5	3
3	64QAM	8	4	21.00	20.85	21.04		
3	64QAM	8	7	20.91	20.80	20.71		
3	64QAM	15	0	20.70	20.89	20.76		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.91	23.97	23.72	25.5	0
1.4	QPSK	1	3	23.79	23.80	23.87		
1.4	QPSK	1	5	23.70	23.75	23.65		
1.4	QPSK	3	0	23.91	23.78	23.72		
1.4	QPSK	3	1	23.64	23.82	23.87		
1.4	QPSK	3	3	23.68	23.59	23.53		
1.4	QPSK	6	0	22.70	22.75	22.76	24.5	1
1.4	16QAM	1	0	22.87	23.06	23.09	24.5	1
1.4	16QAM	1	3	23.07	22.95	22.79		
1.4	16QAM	1	5	22.74	22.85	22.87		
1.4	16QAM	3	0	22.80	23.00	22.91		
1.4	16QAM	3	1	22.98	22.81	22.58		
1.4	16QAM	3	3	22.55	22.66	22.69		
1.4	16QAM	6	0	21.64	21.99	21.81	23.5	2
1.4	64QAM	1	0	21.92	21.94	21.95	23.5	2
1.4	64QAM	1	3	22.12	21.93	21.94		
1.4	64QAM	1	5	21.82	21.84	21.77		
1.4	64QAM	3	0	21.92	21.79	21.99		
1.4	64QAM	3	1	21.99	21.85	21.94		
1.4	64QAM	3	3	21.90	21.93	21.68		
1.4	64QAM	6	0	20.86	20.89	20.80	22.5	3

Band 4 Ant1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	24.04	24.16	23.92	25.5	0
20	QPSK	1	49	24.11	24.07	24.14		
20	QPSK	1	99	23.89	23.85	23.97		
20	QPSK	50	0	23.03	23.18	23.00	24.5	1
20	QPSK	50	24	23.08	23.15	23.06		
20	QPSK	50	50	23.16	23.08	22.97		
20	QPSK	100	0	23.05	23.09	23.00		
20	16QAM	1	0	23.17	23.23	23.04	24.5	1
20	16QAM	1	49	23.19	23.26	23.23		
20	16QAM	1	99	23.04	22.92	22.98		
20	16QAM	50	0	22.14	22.09	22.17	23.5	2
20	16QAM	50	24	22.32	22.22	22.14		
20	16QAM	50	50	22.25	22.21	22.11		
20	16QAM	100	0	22.26	22.06	21.95		
20	64QAM	1	0	21.94	22.23	21.97	23.5	2
20	64QAM	1	49	22.17	22.26	22.18		
20	64QAM	1	99	22.07	22.00	21.93		
20	64QAM	50	0	21.05	21.14	21.07	22.5	3
20	64QAM	50	24	21.22	21.03	21.08		
20	64QAM	50	50	21.18	21.11	20.96		
20	64QAM	100	0	21.21	21.15	21.04		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	23.85	24.07	23.89	25.5	0
15	QPSK	1	37	23.93	23.88	24.09		
15	QPSK	1	74	23.73	23.86	23.83		
15	QPSK	36	0	22.86	23.09	22.86	24.5	1
15	QPSK	36	20	23.04	22.95	23.00		
15	QPSK	36	39	22.95	22.98	22.76		
15	QPSK	75	0	22.94	23.09	22.94		
15	16QAM	1	0	23.00	23.17	23.03	24.5	1
15	16QAM	1	37	23.12	23.13	23.10		
15	16QAM	1	74	23.01	22.87	22.95		
15	16QAM	36	0	21.99	22.05	22.14	23.5	2
15	16QAM	36	20	22.19	22.13	22.00		
15	16QAM	36	39	22.10	22.02	21.90		
15	16QAM	75	0	22.16	21.99	21.87		
15	64QAM	1	0	21.93	22.15	21.96	23.5	2
15	64QAM	1	37	22.02	22.13	21.91		
15	64QAM	1	74	22.05	21.91	21.79		
15	64QAM	36	0	21.02	21.14	20.99	22.5	3
15	64QAM	36	20	21.12	21.00	20.95		
15	64QAM	36	39	21.11	20.91	20.90		
15	64QAM	75	0	21.12	21.00	21.06		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.03	24.02	23.79	25.5	0
10	QPSK	1	25	24.07	24.03	24.08		
10	QPSK	1	49	23.72	23.85	23.83		
10	QPSK	25	0	22.88	23.12	22.80	24.5	1
10	QPSK	25	12	22.87	23.04	22.91		
10	QPSK	25	25	22.95	22.88	22.88		
10	QPSK	50	0	23.00	22.99	22.98		
10	16QAM	1	0	23.07	23.23	22.93	24.5	1
10	16QAM	1	25	23.11	23.23	23.09		
10	16QAM	1	49	22.87	22.86	22.85		
10	16QAM	25	0	21.93	22.08	22.17	23.5	2
10	16QAM	25	12	22.11	22.18	22.12		
10	16QAM	25	25	22.11	22.07	22.11		
10	16QAM	50	0	22.16	22.03	21.81		
10	64QAM	1	0	21.87	22.06	21.90	23.5	2
10	64QAM	1	25	22.17	22.07	21.97		
10	64QAM	1	49	22.02	21.79	21.92		
10	64QAM	25	0	21.03	20.97	21.00	22.5	3
10	64QAM	25	12	21.09	20.85	21.07		
10	64QAM	25	25	21.12	20.90	20.98		
10	64QAM	50	0	21.02	21.12	20.89		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	23.85	23.95	23.71	25.5	0
5	QPSK	1	12	24.02	23.81	23.85		
5	QPSK	1	24	23.68	23.72	23.73		
5	QPSK	12	0	22.84	22.91	22.78	24.5	1
5	QPSK	12	7	22.77	22.90	22.85		
5	QPSK	12	13	23.06	22.77	22.81		
5	QPSK	25	0	22.87	23.00	22.79		
5	16QAM	1	0	22.99	23.11	22.89	24.5	1
5	16QAM	1	12	23.06	22.98	23.13		
5	16QAM	1	24	22.89	22.83	22.76		
5	16QAM	12	0	21.85	21.98	22.06	23.5	2
5	16QAM	12	7	22.10	21.92	22.04		
5	16QAM	12	13	22.00	22.01	21.82		
5	16QAM	25	0	22.04	21.97	21.86		
5	64QAM	1	0	21.80	22.02	21.69	23.5	2
5	64QAM	1	12	21.96	22.00	21.98		
5	64QAM	1	24	21.95	21.81	21.68		
5	64QAM	12	0	20.86	20.85	20.78	22.5	3
5	64QAM	12	7	21.12	20.91	20.92		
5	64QAM	12	13	21.00	20.91	20.86		
5	64QAM	25	0	21.06	20.86	20.82		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	23.90	23.91	23.63	25.5	0
3	QPSK	1	8	23.84	23.81	23.98		
3	QPSK	1	14	23.78	23.71	23.79		
3	QPSK	8	0	22.91	23.01	22.86	24.5	1
3	QPSK	8	4	22.83	22.87	22.86		
3	QPSK	8	7	23.05	22.84	22.83		
3	QPSK	15	0	22.89	22.84	22.70		
3	16QAM	1	0	22.95	22.95	22.91	24.5	1
3	16QAM	1	8	22.91	22.95	22.91		
3	16QAM	1	14	22.76	22.79	22.83		
3	16QAM	8	0	22.02	21.78	21.87	23.5	2
3	16QAM	8	4	22.11	22.02	21.91		
3	16QAM	8	7	22.05	21.91	21.84		
3	16QAM	15	0	21.95	21.89	21.77		
3	64QAM	1	0	21.77	22.00	21.71	23.5	2
3	64QAM	1	8	22.07	22.01	21.96		
3	64QAM	1	14	21.98	21.72	21.83		
3	64QAM	8	0	20.88	20.99	20.92	22.5	3
3	64QAM	8	4	21.10	20.76	20.97		
3	64QAM	8	7	21.00	20.89	20.78		
3	64QAM	15	0	20.97	20.97	20.79		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	23.80	24.04	23.76	25.5	0
1.4	QPSK	1	3	23.90	23.79	23.82		
1.4	QPSK	1	5	23.76	23.67	23.84		
1.4	QPSK	3	0	23.66	23.83	23.59		
1.4	QPSK	3	1	23.77	23.59	23.68		
1.4	QPSK	3	3	23.78	23.63	23.76		
1.4	QPSK	6	0	22.89	22.93	22.71	24.5	1
1.4	16QAM	1	0	23.02	23.14	22.93	24.5	1
1.4	16QAM	1	3	22.95	23.09	23.14		
1.4	16QAM	1	5	22.78	22.77	22.83		
1.4	16QAM	3	0	22.98	23.12	22.78		
1.4	16QAM	3	1	22.74	22.99	23.07		
1.4	16QAM	3	3	22.80	22.76	22.77		
1.4	16QAM	6	0	22.02	21.90	21.63	23.5	2
1.4	64QAM	1	0	21.81	22.04	21.86	23.5	2
1.4	64QAM	1	3	21.86	22.01	22.04		
1.4	64QAM	1	5	21.85	21.79	21.75		
1.4	64QAM	3	0	21.96	21.93	21.91		
1.4	64QAM	3	1	21.91	21.84	21.81		
1.4	64QAM	3	3	21.97	21.92	21.79		
1.4	64QAM	6	0	21.10	20.88	20.73	22.5	3

Band 5 Ant1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.15	24.24	24.13	25.5	0
10	QPSK	1	25	24.13	24.03	24.14		
10	QPSK	1	49	24.10	24.05	24.09		
10	QPSK	25	0	23.18	23.25	23.17	24.5	1
10	QPSK	25	12	23.20	23.19	23.18		
10	QPSK	25	25	23.10	23.07	23.11		
10	QPSK	50	0	23.07	23.23	23.12		
10	16QAM	1	0	23.19	23.19	23.23	24.5	1
10	16QAM	1	25	23.33	23.22	23.28		
10	16QAM	1	49	23.24	23.19	23.09		
10	16QAM	25	0	22.06	22.12	22.06	23.5	2
10	16QAM	25	12	22.21	22.18	22.25		
10	16QAM	25	25	22.13	22.15	22.02		
10	16QAM	50	0	22.30	22.07	22.08		
10	64QAM	1	0	22.21	22.14	22.07	23.5	2
10	64QAM	1	25	22.16	21.97	22.18		
10	64QAM	1	49	22.15	22.18	22.08		
10	64QAM	25	0	21.10	20.96	21.14	22.5	3
10	64QAM	25	12	21.18	21.10	21.16		
10	64QAM	25	25	21.25	21.08	21.15		
10	64QAM	50	0	21.14	20.96	21.11		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.06	24.08	23.99	25.5	0
5	QPSK	1	12	24.09	23.93	24.05		
5	QPSK	1	24	24.03	23.93	23.90		
5	QPSK	12	0	23.13	23.23	23.07	24.5	1
5	QPSK	12	7	23.21	23.10	22.96		
5	QPSK	12	13	22.93	23.01	22.91		
5	QPSK	25	0	23.00	23.03	23.02		
5	16QAM	1	0	23.21	23.12	23.20	24.5	1
5	16QAM	1	12	23.24	23.23	23.28		
5	16QAM	1	24	23.09	23.20	22.93		
5	16QAM	12	0	21.94	22.10	21.86	23.5	2
5	16QAM	12	7	22.07	21.96	22.09		
5	16QAM	12	13	22.05	22.01	21.81		
5	16QAM	25	0	22.23	21.91	22.05		
5	64QAM	1	0	22.16	21.95	21.88	23.5	2
5	64QAM	1	12	22.17	21.82	22.04		
5	64QAM	1	24	22.06	22.14	21.92		
5	64QAM	12	0	21.00	20.91	20.97	22.5	3
5	64QAM	12	7	21.03	21.06	21.05		
5	64QAM	12	13	21.14	20.96	20.95		
5	64QAM	25	0	21.09	20.97	20.95		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.16	24.14	23.99	25.5	0
3	QPSK	1	8	24.05	23.99	24.16		
3	QPSK	1	14	24.05	23.85	24.05		
3	QPSK	8	0	22.97	23.23	23.13	24.5	1
3	QPSK	8	4	23.12	23.18	23.11		
3	QPSK	8	7	23.00	22.96	23.12		
3	QPSK	15	0	23.06	23.17	22.95		
3	16QAM	1	0	23.03	23.04	23.22	24.5	1
3	16QAM	1	8	23.21	23.04	23.20		
3	16QAM	1	14	23.25	23.08	22.93		
3	16QAM	8	0	22.02	22.11	22.04	23.5	2
3	16QAM	8	4	22.04	22.08	22.06		
3	16QAM	8	7	22.13	22.12	22.01		
3	16QAM	15	0	22.17	21.87	22.00		
3	64QAM	1	0	22.04	22.04	21.92	23.5	2
3	64QAM	1	8	21.96	21.81	22.16		
3	64QAM	1	14	22.05	22.02	21.98		
3	64QAM	8	0	20.96	20.95	21.00	22.5	3
3	64QAM	8	4	20.97	21.08	20.99		
3	64QAM	8	7	21.19	21.04	20.95		
3	64QAM	15	0	21.02	20.91	21.03		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.02	24.00	23.93	25.5	0
1.4	QPSK	1	3	24.00	23.79	23.84		
1.4	QPSK	1	5	23.81	23.83	23.90		
1.4	QPSK	3	0	23.93	23.99	23.72		
1.4	QPSK	3	1	23.99	23.64	23.74		
1.4	QPSK	3	3	23.73	23.66	23.90		
1.4	QPSK	6	0	22.80	22.91	22.89	24.5	1
1.4	16QAM	1	0	22.92	22.98	23.10	24.5	1
1.4	16QAM	1	3	23.21	22.98	23.19		
1.4	16QAM	1	5	22.95	22.93	22.94		
1.4	16QAM	3	0	22.76	22.94	23.04		
1.4	16QAM	3	1	23.04	22.89	23.09		
1.4	16QAM	3	3	22.84	22.74	22.74		
1.4	16QAM	6	0	22.19	21.91	21.86	23.5	2
1.4	64QAM	1	0	22.07	22.00	21.84	23.5	2
1.4	64QAM	1	3	21.93	21.76	22.08		
1.4	64QAM	1	5	22.06	21.99	21.96		
1.4	64QAM	3	0	21.82	21.74	21.92		
1.4	64QAM	3	1	21.94	21.79	22.03		
1.4	64QAM	3	3	22.10	21.92	22.03		
1.4	64QAM	6	0	20.92	20.76	21.01	22.5	3

Band 7 Ant1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.84	23.92	23.71	25.5	0
20	QPSK	1	49	23.88	23.82	23.79		
20	QPSK	1	99	23.86	23.75	23.70		
20	QPSK	50	0	22.77	22.98	22.92	24.5	1
20	QPSK	50	24	22.91	22.94	22.88		
20	QPSK	50	50	22.83	22.90	22.76		
20	QPSK	100	0	22.81	22.86	22.77		
20	16QAM	1	0	22.79	22.84	22.72	24.5	1
20	16QAM	1	49	22.91	22.88	22.82		
20	16QAM	1	99	22.81	22.94	22.79		
20	16QAM	50	0	21.68	21.75	21.83	23.5	2
20	16QAM	50	24	21.95	21.92	21.96		
20	16QAM	50	50	21.90	21.91	21.67		
20	16QAM	100	0	21.81	21.76	21.70		
20	64QAM	1	0	21.86	21.78	21.69	23.5	2
20	64QAM	1	49	21.99	21.96	21.82		
20	64QAM	1	99	21.94	21.91	21.83		
20	64QAM	50	0	20.79	20.87	20.79	22.5	3
20	64QAM	50	24	20.91	20.81	20.91		
20	64QAM	50	50	20.90	20.91	20.70		
20	64QAM	100	0	20.88	20.85	20.68		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.73	23.81	23.66	25.5	0
15	QPSK	1	37	23.86	23.78	23.69		
15	QPSK	1	74	23.77	23.64	23.69		
15	QPSK	36	0	22.59	22.76	22.90	24.5	1
15	QPSK	36	20	22.70	22.86	22.77		
15	QPSK	36	39	22.66	22.82	22.65		
15	QPSK	75	0	22.68	22.80	22.73		
15	16QAM	1	0	22.59	22.72	22.64	24.5	1
15	16QAM	1	37	22.90	22.84	22.60		
15	16QAM	1	74	22.78	22.85	22.75		
15	16QAM	36	0	21.56	21.58	21.81	23.5	2
15	16QAM	36	20	21.91	21.89	21.81		
15	16QAM	36	39	21.89	21.84	21.52		
15	16QAM	75	0	21.61	21.72	21.70		
15	64QAM	1	0	21.86	21.74	21.64	23.5	2
15	64QAM	1	37	21.94	21.88	21.65		
15	64QAM	1	74	21.82	21.87	21.77		
15	64QAM	36	0	20.69	20.76	20.73	22.5	3
15	64QAM	36	20	20.78	20.72	20.79		
15	64QAM	36	39	20.75	20.79	20.66		
15	64QAM	75	0	20.82	20.85	20.56		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.65	23.86	23.73	25.5	0
10	QPSK	1	25	23.89	23.74	23.61		
10	QPSK	1	49	23.84	23.70	23.56		
10	QPSK	25	0	22.69	22.84	22.80	24.5	1
10	QPSK	25	12	22.83	22.79	22.78		
10	QPSK	25	25	22.64	22.82	22.59		
10	QPSK	50	0	22.68	22.72	22.75		
10	16QAM	1	0	22.58	22.71	22.58	24.5	1
10	16QAM	1	25	22.75	22.71	22.75		
10	16QAM	1	49	22.67	22.78	22.67		
10	16QAM	25	0	21.57	21.64	21.84	23.5	2
10	16QAM	25	12	21.74	21.80	21.79		
10	16QAM	25	25	21.89	21.82	21.66		
10	16QAM	50	0	21.76	21.71	21.69		
10	64QAM	1	0	21.77	21.80	21.78	23.5	2
10	64QAM	1	25	21.86	21.74	21.65		
10	64QAM	1	49	21.82	21.86	21.75		
10	64QAM	25	0	20.70	20.84	20.58	22.5	3
10	64QAM	25	12	20.84	20.69	20.85		
10	64QAM	25	25	20.74	20.81	20.57		
10	64QAM	50	0	20.83	20.85	20.56		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.74	23.71	23.63	25.5	0
5	QPSK	1	12	23.70	23.69	23.56		
5	QPSK	1	24	23.74	23.64	23.58		
5	QPSK	12	0	22.56	22.82	22.63	24.5	1
5	QPSK	12	7	22.81	22.83	22.71		
5	QPSK	12	13	22.66	22.81	22.56		
5	QPSK	25	0	22.61	22.75	22.59		
5	16QAM	1	0	22.60	22.56	22.57	24.5	1
5	16QAM	1	12	22.76	22.76	22.55		
5	16QAM	1	24	22.64	22.67	22.57		
5	16QAM	12	0	21.69	21.70	21.60	23.5	2
5	16QAM	12	7	21.72	21.77	21.65		
5	16QAM	12	13	21.74	21.69	21.77		
5	16QAM	25	0	21.55	21.57	21.57		
5	64QAM	1	0	21.75	21.50	21.54	23.5	2
5	64QAM	1	12	21.73	21.74	21.74		
5	64QAM	1	24	21.83	21.82	21.62		
5	64QAM	12	0	20.59	20.71	20.63	22.5	3
5	64QAM	12	7	20.61	20.71	20.63		
5	64QAM	12	13	20.61	20.69	20.60		
5	64QAM	25	0	20.77	20.70	20.51		

Band 38 Ant1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.80	23.92	23.64	25.5	0
20	QPSK	1	49	23.79	23.68	23.88		
20	QPSK	1	99	23.85	23.75	23.76		
20	QPSK	50	0	22.82	23.01	22.76	24.5	1
20	QPSK	50	24	22.93	22.94	22.92		
20	QPSK	50	50	22.96	22.88	22.88		
20	QPSK	100	0	22.88	22.95	22.82		
20	16QAM	1	0	23.13	23.10	23.04	24.5	1
20	16QAM	1	49	23.32	23.28	23.25		
20	16QAM	1	99	23.19	23.09	23.10		
20	16QAM	50	0	21.96	22.01	21.99	23.5	2
20	16QAM	50	24	22.06	22.11	22.05		
20	16QAM	50	50	22.01	22.04	22.01		
20	16QAM	100	0	21.95	21.86	21.86		
20	64QAM	1	0	21.98	21.98	22.02	23.5	2
20	64QAM	1	49	22.18	22.26	22.10		
20	64QAM	1	99	22.04	21.97	21.97		
20	64QAM	50	0	20.85	20.93	20.93	22.5	3
20	64QAM	50	24	21.04	20.99	21.06		
20	64QAM	50	50	20.97	20.95	20.88		
20	64QAM	100	0	20.99	20.99	20.87		
Channel				37925	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.65	23.88	23.61	25.5	0
15	QPSK	1	37	23.81	23.61	23.82		
15	QPSK	1	74	23.79	23.58	23.69		
15	QPSK	36	0	22.73	22.81	22.60	24.5	1
15	QPSK	36	20	22.87	22.84	22.84		
15	QPSK	36	39	22.85	22.76	22.87		
15	QPSK	75	0	22.71	22.73	22.73		
15	16QAM	1	0	22.97	23.10	23.02	24.5	1
15	16QAM	1	37	23.22	23.16	23.09		
15	16QAM	1	74	22.99	22.88	23.00		
15	16QAM	36	0	21.77	21.90	21.78	23.5	2
15	16QAM	36	20	21.90	22.04	22.06		
15	16QAM	36	39	21.82	21.83	22.00		
15	16QAM	75	0	21.87	21.78	21.79		
15	64QAM	1	0	21.91	21.88	21.94	23.5	2
15	64QAM	1	37	21.99	22.10	21.90		
15	64QAM	1	74	21.98	21.96	21.97		
15	64QAM	36	0	20.66	20.79	20.89	22.5	3
15	64QAM	36	20	21.05	20.90	20.96		
15	64QAM	36	39	20.79	20.96	20.75		
15	64QAM	75	0	21.00	20.94	20.79		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.74	23.81	23.63	25.5	0
10	QPSK	1	25	23.66	23.60	23.72		
10	QPSK	1	49	23.86	23.73	23.60		
10	QPSK	25	0	22.69	22.92	22.64	24.5	1
10	QPSK	25	12	22.89	22.73	22.76		
10	QPSK	25	25	22.77	22.79	22.76		
10	QPSK	50	0	22.74	22.74	22.73		
10	16QAM	1	0	22.93	23.10	23.04	24.5	1
10	16QAM	1	25	23.18	23.29	23.17		
10	16QAM	1	49	23.06	22.99	22.94		
10	16QAM	25	0	21.82	21.92	21.97	23.5	2
10	16QAM	25	12	21.92	22.02	21.93		
10	16QAM	25	25	21.88	22.03	21.94		
10	16QAM	50	0	21.87	21.82	21.85		
10	64QAM	1	0	21.92	21.90	21.91	23.5	2
10	64QAM	1	25	22.04	22.19	22.02		
10	64QAM	1	49	21.91	21.96	21.98		
10	64QAM	25	0	20.68	20.84	20.75	22.5	3
10	64QAM	25	12	20.86	20.81	21.02		
10	64QAM	25	25	20.79	20.73	20.90		
10	64QAM	50	0	20.99	21.00	20.83		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.56	23.74	23.57	25.5	0
5	QPSK	1	12	23.57	23.50	23.77		
5	QPSK	1	24	23.66	23.60	23.57		
5	QPSK	12	0	22.62	22.76	22.58	24.5	1
5	QPSK	12	7	22.66	22.72	22.68		
5	QPSK	12	13	22.80	22.70	22.61		
5	QPSK	25	0	22.59	22.68	22.72		
5	16QAM	1	0	23.00	22.81	22.89	24.5	1
5	16QAM	1	12	23.13	23.06	22.95		
5	16QAM	1	24	22.92	22.88	22.96		
5	16QAM	12	0	21.65	21.89	21.88	23.5	2
5	16QAM	12	7	21.93	21.91	21.86		
5	16QAM	12	13	21.78	21.83	21.79		
5	16QAM	25	0	21.87	21.61	21.71		
5	64QAM	1	0	21.79	21.80	21.88	23.5	2
5	64QAM	1	12	22.02	22.13	21.88		
5	64QAM	1	24	21.89	21.82	21.74		
5	64QAM	12	0	20.65	20.79	20.78	22.5	3
5	64QAM	12	7	20.94	20.86	20.87		
5	64QAM	12	13	20.81	20.64	20.58		
5	64QAM	25	0	20.79	20.73	20.78		

Band 41 (2.6G Band) Ant1 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	23.66	23.67	24.00	23.63	25.5	0
20	QPSK	1	49	23.79	23.64	23.69	23.73		
20	QPSK	1	99	23.58	23.69	23.66	23.57		
20	QPSK	50	0	22.67	22.50	22.90	22.74	24.5	1
20	QPSK	50	24	22.67	22.72	22.67	22.84		
20	QPSK	50	50	22.65	22.75	22.72	22.55		
20	QPSK	100	0	22.56	22.57	22.86	22.66		
20	16QAM	1	0	23.08	22.73	22.95	22.90	24.5	1
20	16QAM	1	49	22.83	22.71	22.83	22.78		
20	16QAM	1	99	22.95	22.94	22.93	22.93		
20	16QAM	50	0	21.68	21.86	21.90	21.80	23.5	2
20	16QAM	50	24	21.81	21.87	21.90	21.86		
20	16QAM	50	50	22.00	21.86	21.75	21.83		
20	16QAM	100	0	21.70	21.82	21.87	21.89		
20	64QAM	1	0	21.84	21.91	21.95	21.94	23.5	2
20	64QAM	1	49	22.07	22.07	22.20	21.97		
20	64QAM	1	99	22.02	21.96	21.97	22.03		
20	64QAM	50	0	20.63	20.57	20.69	20.76	22.5	3
20	64QAM	50	24	20.70	20.73	20.80	20.84		
20	64QAM	50	50	20.82	20.70	20.93	20.83		
20	64QAM	100	0	20.73	20.69	20.81	20.69		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	23.66	23.51	23.82	23.63	25.5	0
15	QPSK	1	37	23.75	23.54	23.68	23.61		
15	QPSK	1	74	23.80	23.68	23.65	23.55		
15	QPSK	36	0	22.50	22.65	22.83	22.70	24.5	1
15	QPSK	36	20	22.63	22.73	22.60	22.67		
15	QPSK	36	39	22.58	22.55	22.70	22.71		
15	QPSK	75	0	22.64	22.53	22.58	22.50		
15	16QAM	1	0	22.90	22.59	22.74	22.69	24.5	1
15	16QAM	1	37	22.75	22.66	22.74	22.65		
15	16QAM	1	74	22.96	22.82	22.89	22.84		
15	16QAM	36	0	21.67	21.71	21.76	21.71	23.5	2
15	16QAM	36	20	21.64	21.70	21.85	21.75		
15	16QAM	36	39	21.79	21.70	21.74	21.69		
15	16QAM	75	0	21.76	21.68	21.83	21.74		
15	64QAM	1	0	21.75	21.87	21.92	21.82	23.5	2
15	64QAM	1	37	21.92	22.06	22.04	21.83		
15	64QAM	1	74	21.89	21.89	21.87	21.86		
15	64QAM	36	0	20.70	20.60	20.64	20.75	22.5	3
15	64QAM	36	20	20.57	20.70	20.65	20.84		
15	64QAM	36	39	20.78	20.64	20.91	20.66		
15	64QAM	75	0	20.69	20.53	20.82	20.56		
Channel				40090	40390	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	23.56	23.53	23.67	23.51	25.5	0
10	QPSK	1	25	23.76	23.62	23.71	23.52		
10	QPSK	1	49	23.70	23.58	23.54	23.70		
10	QPSK	25	0	22.55	22.56	22.91	22.55	24.5	1
10	QPSK	25	12	22.59	22.62	22.69	22.82		
10	QPSK	25	25	22.50	22.70	22.71	22.52		
10	QPSK	50	0	22.54	22.54	22.72	22.57		
10	16QAM	1	0	23.01	22.69	22.76	22.89	24.5	1
10	16QAM	1	25	22.77	22.51	22.62	22.67		
10	16QAM	1	49	22.82	22.89	22.94	22.89		
10	16QAM	25	0	21.52	21.72	21.86	21.74	23.5	2
10	16QAM	25	12	21.69	21.81	21.87	21.66		
10	16QAM	25	25	21.90	21.74	21.71	21.69		
10	16QAM	50	0	21.59	21.64	21.83	21.80		
10	64QAM	1	0	21.68	21.71	21.90	21.74	23.5	2
10	64QAM	1	25	22.01	22.00	22.15	21.82		
10	64QAM	1	49	21.84	21.81	21.79	21.87		
10	64QAM	25	0	20.57	20.69	20.52	20.75	22.5	3
10	64QAM	25	12	20.69	20.66	20.79	20.75		
10	64QAM	25	25	20.79	20.52	20.92	20.85		
10	64QAM	50	0	20.62	20.59	20.60	20.64		
Channel				40065	40365	40705	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	23.50	23.66	23.77	23.56	25.5	0
5	QPSK	1	12	23.58	23.61	23.54	23.58		
5	QPSK	1	24	23.50	23.64	23.65	23.53		
5	QPSK	12	0	22.50	22.59	22.70	22.58	24.5	1
5	QPSK	12	7	22.57	22.60	22.55	22.66		
5	QPSK	12	13	22.70	22.63	22.51	22.62		
5	QPSK	25	0	22.53	22.60	22.82	22.66		
5	16QAM	1	0	22.90	22.71	22.92	22.73	24.5	1
5	16QAM	1	12	22.72	22.68	22.70	22.65		
5	16QAM	1	24	22.82	22.94	22.74	22.78		
5	16QAM	12	0	21.51	21.72	21.89	21.68	23.5	2
5	16QAM	12	7	21.66	21.83	21.80	21.83		
5	16QAM	12	13	21.86	21.76	21.76	21.71		
5	16QAM	25	0	21.63	21.81	21.74	21.87		
5	64QAM	1	0	21.81	21.86	21.93	21.73	23.5	2
5	64QAM	1	12	21.87	22.07	22.15	21.75		
5	64QAM	1	24	21.91	21.78	21.80	21.97		
5	64QAM	12	0	20.54	20.66	20.60	20.61	22.5	3
5	64QAM	12	7	20.63	20.65	20.65	20.72		
5	64QAM	12	13	20.72	20.53	20.75	20.85		
5	64QAM	25	0	20.71	20.66	20.59	20.58		

GSM850 Ant 2 DSI1

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

GSM1900 Ant 2 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	24.03	23.84	24.05	24.50	15.03	14.84	15.05	15.50
GPRS 1 Tx slot	23.98	23.76	23.91	24.50	14.98	14.76	14.91	15.50
GPRS 2 Tx slots	21.64	21.74	21.49	22.50	15.64	15.74	15.49	16.50
GPRS 3 Tx slots	19.68	19.75	19.71	20.50	15.42	15.49	15.45	16.24
GPRS 4 Tx slots	18.40	18.28	18.58	19.00	15.40	15.28	15.58	16.00
EDGE 1 Tx slot	23.96	24.01	23.91	24.50	14.96	15.01	14.91	15.50
EDGE 2 Tx slots	22.36	22.25	22.17	22.50	16.36	16.25	16.17	16.50
EDGE 3 Tx slots	19.97	20.12	19.84	20.50	15.71	15.86	15.58	16.24
EDGE 4 Tx slots	18.82	18.84	18.68	19.00	15.82	15.84	15.68	16.00

		WCDMA II Ant 2 DSI1				WCDMA IV Ant 2 DSI1				WCDMA V Ant 2 DSI1			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	15.80	15.84	15.82	16.50	15.75	15.78	15.67	16.50	23.54	23.56	23.49	24.50
3GPP Rel 99	RMC 12.2Kbps	15.82	15.87	15.84	16.50	15.76	15.80	15.71	16.50	23.55	23.69	23.50	24.50
3GPP Rel 6	HSDPA Subtest-1	13.84	13.86	13.90	14.50	13.90	13.85	13.78	14.50	23.53	23.57	23.45	24.50
3GPP Rel 6	HSDPA Subtest-2	13.73	13.76	13.77	14.50	13.78	13.77	13.68	14.50	23.44	23.30	23.35	24.50
3GPP Rel 6	HSDPA Subtest-3	13.18	13.28	13.22	14.50	13.42	13.22	13.20	14.50	23.08	22.86	22.92	24.00
3GPP Rel 6	HSDPA Subtest-4	13.16	13.31	13.27	14.50	13.33	13.24	13.06	14.50	23.08	22.95	22.90	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	13.85	13.89	14.02	14.50	13.97	13.85	13.70	14.50	23.09	23.20	23.25	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	13.75	13.73	13.82	14.50	13.76	13.85	13.78	14.50	23.08	23.16	23.00	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	13.10	13.27	13.26	14.00	13.44	13.29	13.24	14.00	22.99	22.95	22.83	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	13.07	13.29	13.17	14.00	13.44	13.31	13.04	14.00	23.01	23.00	23.07	24.00
3GPP Rel 6	HSUPA Subtest-1	13.81	13.91	13.72	14.50	13.79	13.85	13.68	14.50	21.56	21.36	21.55	23.00
3GPP Rel 6	HSUPA Subtest-2	11.94	11.97	11.92	12.50	11.92	11.98	11.83	12.50	21.45	21.36	21.29	23.00
3GPP Rel 6	HSUPA Subtest-3	12.78	12.93	12.89	14.50	12.75	13.00	12.95	14.50	22.45	22.38	22.53	24.00
3GPP Rel 6	HSUPA Subtest-4	11.77	11.94	11.80	12.50	11.76	11.98	11.85	12.50	20.97	20.83	20.96	22.50
3GPP Rel 6	HSUPA Subtest-5	13.71	13.80	13.87	14.50	13.85	13.88	13.83	14.50	22.29	22.26	22.27	24.00

Band 2 Ant2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	15.16	15.36	15.30	16.5	0
20	QPSK	1	49	15.19	15.24	15.21		
20	QPSK	1	99	15.18	15.09	15.11		
20	QPSK	50	0	15.08	15.33	15.11	16.5	0
20	QPSK	50	24	15.03	15.07	15.18		
20	QPSK	50	50	15.02	15.17	15.32		
20	QPSK	100	0	15.06	15.10	15.03		
20	16QAM	1	0	15.06	15.25	15.21	16.5	0
20	16QAM	1	49	15.16	15.26	15.23		
20	16QAM	1	99	15.15	15.29	15.30		
20	16QAM	50	0	15.17	15.06	15.05	16.5	0
20	16QAM	50	24	15.08	15.24	15.18		
20	16QAM	50	50	15.10	15.20	15.22		
20	16QAM	100	0	15.05	15.27	15.11		
20	64QAM	1	0	15.11	15.13	15.15	16.5	0
20	64QAM	1	49	15.08	15.26	15.09		
20	64QAM	1	99	15.05	15.21	15.13		
20	64QAM	50	0	15.22	15.26	15.08	16.5	0
20	64QAM	50	24	15.12	15.19	15.17		
20	64QAM	50	50	15.11	15.17	15.20		
20	64QAM	100	0	15.12	15.31	15.24		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	15.11	15.14	15.23	16.5	0
15	QPSK	1	37	15.19	15.22	15.06		
15	QPSK	1	74	15.08	15.15	15.07		
15	QPSK	36	0	15.09	15.09	15.23	16.5	0
15	QPSK	36	20	15.28	15.25	15.11		
15	QPSK	36	39	15.25	15.02	15.31		
15	QPSK	75	0	15.01	15.15	15.02		
15	16QAM	1	0	15.29	15.26	15.16	16.5	0
15	16QAM	1	37	15.12	15.17	15.08		
15	16QAM	1	74	15.06	15.18	15.26		
15	16QAM	36	0	15.01	15.01	15.28	16.5	0
15	16QAM	36	20	15.25	15.25	15.05		
15	16QAM	36	39	15.07	15.02	15.08		
15	16QAM	75	0	15.06	15.26	15.05		
15	64QAM	1	0	15.12	15.00	15.26	16.5	0
15	64QAM	1	37	15.01	15.14	15.31		
15	64QAM	1	74	15.22	15.20	15.12		
15	64QAM	36	0	15.01	15.18	15.30	16.5	0
15	64QAM	36	20	15.19	15.10	15.35		
15	64QAM	36	39	15.13	15.01	15.02		
15	64QAM	75	0	15.17	15.10	15.05		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	15.16	15.15	15.13	16.5	0
10	QPSK	1	25	15.16	15.11	15.16		
10	QPSK	1	49	15.20	15.18	15.08		
10	QPSK	25	0	15.15	15.14	15.08	16.5	0
10	QPSK	25	12	15.16	15.35	15.00		
10	QPSK	25	25	15.17	15.10	15.31		
10	QPSK	50	0	15.18	15.01	15.14		
10	16QAM	1	0	15.00	15.09	15.07	16.5	0
10	16QAM	1	25	15.17	15.23	15.24		
10	16QAM	1	49	15.12	15.14	15.10		
10	16QAM	25	0	15.18	15.05	15.32	16.5	0
10	16QAM	25	12	15.07	15.14	15.23		
10	16QAM	25	25	15.29	15.01	15.03		
10	16QAM	50	0	15.35	15.13	15.33		
10	64QAM	1	0	15.12	15.22	15.05	16.5	0
10	64QAM	1	25	15.10	15.21	15.07		
10	64QAM	1	49	15.30	15.17	15.28		
10	64QAM	25	0	15.01	15.08	15.30	16.5	0
10	64QAM	25	12	15.10	15.29	15.12		
10	64QAM	25	25	15.02	15.10	15.06		
10	64QAM	50	0	15.29	15.11	15.05		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	15.17	15.19	15.27	16.5	0
5	QPSK	1	12	15.14	15.21	15.03		
5	QPSK	1	24	15.09	15.02	15.09		
5	QPSK	12	0	15.21	15.14	15.20	16.5	0
5	QPSK	12	7	15.17	15.04	15.04		
5	QPSK	12	13	15.16	15.05	15.19		
5	QPSK	25	0	15.20	15.26	15.16		
5	16QAM	1	0	15.27	15.16	15.01	16.5	0
5	16QAM	1	12	15.11	15.07	15.19		
5	16QAM	1	24	15.11	15.28	15.24		
5	16QAM	12	0	15.11	15.21	15.15	16.5	0
5	16QAM	12	7	15.25	15.06	15.04		
5	16QAM	12	13	15.09	15.27	15.23		
5	16QAM	25	0	15.05	15.26	15.11		
5	64QAM	1	0	15.04	15.34	15.31	16.5	0
5	64QAM	1	12	15.34	15.11	15.30		
5	64QAM	1	24	15.27	15.23	15.14		
5	64QAM	12	0	15.21	15.28	15.34	16.5	0
5	64QAM	12	7	15.00	15.03	15.16		
5	64QAM	12	13	15.07	15.16	15.09		
5	64QAM	25	0	15.04	15.29	15.11		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	15.18	15.25	15.10	16.5	0
3	QPSK	1	8	15.07	15.04	15.04		
3	QPSK	1	14	15.08	15.05	15.35		
3	QPSK	8	0	15.08	15.21	15.27	16.5	0
3	QPSK	8	4	15.23	15.04	15.05		
3	QPSK	8	7	15.35	15.11	15.22		
3	QPSK	15	0	15.06	15.02	15.27		
3	16QAM	1	0	15.05	15.09	15.23	16.5	0
3	16QAM	1	8	15.10	15.21	15.20		
3	16QAM	1	14	15.14	15.14	15.08		
3	16QAM	8	0	15.04	15.34	15.06	16.5	0
3	16QAM	8	4	15.02	15.14	15.28		
3	16QAM	8	7	15.00	15.04	15.13		
3	16QAM	15	0	15.25	15.16	15.22		
3	64QAM	1	0	15.07	15.07	15.32	16.5	0
3	64QAM	1	8	15.22	15.18	15.28		
3	64QAM	1	14	15.05	15.13	15.13		
3	64QAM	8	0	15.16	15.14	15.01	16.5	0
3	64QAM	8	4	15.00	15.20	15.09		
3	64QAM	8	7	15.01	15.11	15.20		
3	64QAM	15	0	15.35	15.23	15.03		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	15.01	15.16	15.17	16.5	0
1.4	QPSK	1	3	15.03	15.10	15.06		
1.4	QPSK	1	5	15.06	15.31	15.04		
1.4	QPSK	3	0	15.02	15.07	15.12		
1.4	QPSK	3	1	15.00	15.31	15.14		
1.4	QPSK	3	3	15.01	15.20	15.28		
1.4	QPSK	6	0	15.06	15.00	15.03	16.5	0
1.4	16QAM	1	0	15.24	15.09	15.16	16.5	0
1.4	16QAM	1	3	15.16	15.15	15.22		
1.4	16QAM	1	5	15.02	15.24	15.26		
1.4	16QAM	3	0	15.00	15.29	15.33		
1.4	16QAM	3	1	15.08	15.15	15.05		
1.4	16QAM	3	3	15.11	15.11	15.21		
1.4	16QAM	6	0	15.20	15.29	15.03	16.5	0
1.4	64QAM	1	0	15.04	15.12	15.18	16.5	0
1.4	64QAM	1	3	15.35	15.24	15.28		
1.4	64QAM	1	5	15.32	15.05	15.06		
1.4	64QAM	3	0	15.15	15.18	15.17		
1.4	64QAM	3	1	15.04	15.15	15.04		
1.4	64QAM	3	3	15.28	15.10	15.06		
1.4	64QAM	6	0	15.13	15.31	15.10	16.5	0

Band 4 Ant2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	15.26	15.38	15.19	16.5	0
20	QPSK	1	49	15.33	15.37	15.31		
20	QPSK	1	99	15.28	15.24	15.12		
20	QPSK	50	0	15.08	15.32	15.21	16.5	0
20	QPSK	50	24	15.29	15.28	15.23		
20	QPSK	50	50	15.27	15.11	15.00		
20	QPSK	100	0	15.21	15.24	15.14		
20	16QAM	1	0	15.11	15.20	15.11	16.5	0
20	16QAM	1	49	15.12	15.26	15.32		
20	16QAM	1	99	15.16	15.15	15.04		
20	16QAM	50	0	15.06	15.16	15.05	16.5	0
20	16QAM	50	24	15.15	15.24	15.27		
20	16QAM	50	50	15.24	15.05	15.00		
20	16QAM	100	0	15.31	15.23	15.23		
20	64QAM	1	0	15.27	15.17	15.00	16.5	0
20	64QAM	1	49	15.09	15.28	15.16		
20	64QAM	1	99	15.14	15.18	15.13		
20	64QAM	50	0	15.12	15.21	15.02	16.5	0
20	64QAM	50	24	15.21	15.34	15.15		
20	64QAM	50	50	15.29	15.17	15.23		
20	64QAM	100	0	15.29	15.03	15.19		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	15.25	15.19	15.05	16.5	0
15	QPSK	1	37	15.18	15.35	15.31		
15	QPSK	1	74	15.07	15.09	15.06		
15	QPSK	36	0	15.22	15.14	15.07	16.5	0
15	QPSK	36	20	15.22	15.27	15.07		
15	QPSK	36	39	15.19	15.04	15.01		
15	QPSK	75	0	15.09	15.05	15.02		
15	16QAM	1	0	15.01	15.07	15.17	16.5	0
15	16QAM	1	37	15.28	15.13	15.33		
15	16QAM	1	74	15.32	15.14	15.29		
15	16QAM	36	0	15.27	15.14	15.34	16.5	0
15	16QAM	36	20	15.16	15.19	15.09		
15	16QAM	36	39	15.09	15.03	15.14		
15	16QAM	75	0	15.17	15.20	15.12		
15	64QAM	1	0	15.26	15.17	15.25	16.5	0
15	64QAM	1	37	15.02	15.17	15.00		
15	64QAM	1	74	15.14	15.12	15.30		
15	64QAM	36	0	15.02	15.18	15.04	16.5	0
15	64QAM	36	20	15.00	15.26	15.15		
15	64QAM	36	39	15.25	15.10	15.03		
15	64QAM	75	0	15.15	15.16	15.18		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	15.20	15.37	15.02	16.5	0
10	QPSK	1	25	15.27	15.22	15.31		
10	QPSK	1	49	15.26	15.23	15.27		
10	QPSK	25	0	15.32	15.13	15.14	16.5	0
10	QPSK	25	12	15.17	15.29	15.16		
10	QPSK	25	25	15.24	15.10	15.31		
10	QPSK	50	0	15.21	15.05	15.06		
10	16QAM	1	0	15.09	15.05	15.07	16.5	0
10	16QAM	1	25	15.14	15.19	15.26		
10	16QAM	1	49	15.13	15.28	15.02		
10	16QAM	25	0	15.30	15.02	15.30	16.5	0
10	16QAM	25	12	15.21	15.21	15.11		
10	16QAM	25	25	15.05	15.14	15.28		
10	16QAM	50	0	15.23	15.23	15.02		
10	64QAM	1	0	15.10	15.28	15.30	16.5	0
10	64QAM	1	25	15.14	15.09	15.07		
10	64QAM	1	49	15.09	15.13	15.09		
10	64QAM	25	0	15.02	15.21	15.29	16.5	0
10	64QAM	25	12	15.19	15.34	15.03		
10	64QAM	25	25	15.26	15.15	15.21		
10	64QAM	50	0	15.08	15.22	15.11		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	15.05	15.32	15.09	16.5	0
5	QPSK	1	12	15.24	15.34	15.18		
5	QPSK	1	24	15.08	15.09	15.03		
5	QPSK	12	0	15.33	15.24	15.16	16.5	0
5	QPSK	12	7	15.12	15.27	15.20		
5	QPSK	12	13	15.08	15.11	15.18		
5	QPSK	25	0	15.20	15.16	15.04		
5	16QAM	1	0	15.02	15.08	15.05	16.5	0
5	16QAM	1	12	15.13	15.19	15.26		
5	16QAM	1	24	15.04	15.07	15.18		
5	16QAM	12	0	15.21	15.10	15.20	16.5	0
5	16QAM	12	7	15.09	15.20	15.20		
5	16QAM	12	13	15.23	15.04	15.18		
5	16QAM	25	0	15.17	15.10	15.08		
5	64QAM	1	0	15.09	15.34	15.02	16.5	0
5	64QAM	1	12	15.13	15.18	15.29		
5	64QAM	1	24	15.26	15.23	15.24		
5	64QAM	12	0	15.02	15.14	15.00	16.5	0
5	64QAM	12	7	15.11	15.36	15.11		
5	64QAM	12	13	15.31	15.28	15.30		
5	64QAM	25	0	15.23	15.06	15.14		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	15.18	15.36	15.03	16.5	0
3	QPSK	1	8	15.17	15.20	15.23		
3	QPSK	1	14	15.08	15.15	15.10		
3	QPSK	8	0	15.21	15.19	15.10	16.5	0
3	QPSK	8	4	15.33	15.33	15.20		
3	QPSK	8	7	15.16	15.24	15.06		
3	QPSK	15	0	15.21	15.12	15.06		
3	16QAM	1	0	15.13	15.06	15.36	16.5	0
3	16QAM	1	8	15.09	15.20	15.22		
3	16QAM	1	14	15.20	15.36	15.14		
3	16QAM	8	0	15.14	15.16	15.25	16.5	0
3	16QAM	8	4	15.13	15.14	15.08		
3	16QAM	8	7	15.20	15.22	15.09		
3	16QAM	15	0	15.20	15.25	15.10		
3	64QAM	1	0	15.18	15.22	15.20	16.5	0
3	64QAM	1	8	15.23	15.26	15.03		
3	64QAM	1	14	15.19	15.26	15.12		
3	64QAM	8	0	15.09	15.12	15.02	16.5	0
3	64QAM	8	4	15.00	15.36	15.14		
3	64QAM	8	7	15.09	15.19	15.14		
3	64QAM	15	0	15.10	15.33	15.17		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	15.13	15.33	15.08	16.5	0
1.4	QPSK	1	3	15.11	15.31	15.14		
1.4	QPSK	1	5	15.18	15.27	15.22		
1.4	QPSK	3	0	15.15	15.16	15.14		
1.4	QPSK	3	1	15.17	15.22	15.23		
1.4	QPSK	3	3	15.18	15.32	15.19		
1.4	QPSK	6	0	15.15	15.21	15.12	16.5	0
1.4	16QAM	1	0	15.10	15.04	15.12	16.5	0
1.4	16QAM	1	3	15.10	15.21	15.22		
1.4	16QAM	1	5	15.15	15.29	15.17		
1.4	16QAM	3	0	15.08	15.16	15.00		
1.4	16QAM	3	1	15.02	15.19	15.08		
1.4	16QAM	3	3	15.11	15.27	15.10		
1.4	16QAM	6	0	15.17	15.32	15.14	16.5	0
1.4	64QAM	1	0	15.25	15.25	15.32	16.5	0
1.4	64QAM	1	3	15.29	15.28	15.12		
1.4	64QAM	1	5	15.00	15.16	15.14		
1.4	64QAM	3	0	15.18	15.18	15.09		
1.4	64QAM	3	1	15.26	15.33	15.25		
1.4	64QAM	3	3	15.17	15.14	15.17		
1.4	64QAM	6	0	15.16	15.02	15.12	16.5	0

Band 5 Ant2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	23.41	23.46	23.23	24.5	0
10	QPSK	1	25	23.45	23.41	23.37		
10	QPSK	1	49	23.26	23.32	23.30		
10	QPSK	25	0	23.37	23.44	23.13	24.5	0
10	QPSK	25	12	23.32	23.33	23.38		
10	QPSK	25	25	23.25	23.33	23.14		
10	QPSK	50	0	23.27	23.29	23.24		
10	16QAM	1	0	23.21	23.25	23.22	24.5	0
10	16QAM	1	25	23.31	23.41	23.27		
10	16QAM	1	49	23.08	23.19	23.08		
10	16QAM	25	0	22.31	22.25	22.23	23.5	1
10	16QAM	25	12	22.30	22.25	22.37		
10	16QAM	25	25	22.31	22.23	22.13		
10	16QAM	50	0	22.34	22.17	22.30		
10	64QAM	1	0	22.34	22.34	22.36	23.5	1
10	64QAM	1	25	22.45	22.39	22.48		
10	64QAM	1	49	22.43	22.26	22.19		
10	64QAM	25	0	21.36	21.09	21.40	22.5	2
10	64QAM	25	12	21.30	21.25	21.28		
10	64QAM	25	25	21.38	21.17	21.29		
10	64QAM	50	0	21.31	21.09	21.38		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	23.42	23.26	23.14	24.5	0
5	QPSK	1	12	23.37	23.33	23.21		
5	QPSK	1	24	23.11	23.16	23.25		
5	QPSK	12	0	23.19	23.36	23.04	24.5	0
5	QPSK	12	7	23.27	23.32	23.26		
5	QPSK	12	13	23.23	23.13	23.13		
5	QPSK	25	0	23.18	23.10	23.18		
5	16QAM	1	0	23.01	23.18	23.15	24.5	0
5	16QAM	1	12	23.32	23.40	23.07		
5	16QAM	1	24	22.93	23.16	23.10		
5	16QAM	12	0	22.22	22.19	22.11	23.5	1
5	16QAM	12	7	22.27	22.21	22.33		
5	16QAM	12	13	22.14	22.22	21.98		
5	16QAM	25	0	22.23	22.08	22.11		
5	64QAM	1	0	22.35	22.13	22.31	23.5	1
5	64QAM	1	12	22.24	22.37	22.36		
5	64QAM	1	24	22.25	22.11	22.13		
5	64QAM	12	0	21.18	21.08	21.26	22.5	2
5	64QAM	12	7	21.25	21.16	21.22		
5	64QAM	12	13	21.39	21.08	21.16		
5	64QAM	25	0	21.13	21.11	21.26		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	23.41	23.37	23.06	24.5	0
3	QPSK	1	8	23.25	23.33	23.28		
3	QPSK	1	14	23.09	23.32	23.31		
3	QPSK	8	0	23.38	23.25	22.94	24.5	0
3	QPSK	8	4	23.24	23.21	23.32		
3	QPSK	8	7	23.15	23.31	23.06		
3	QPSK	15	0	23.24	23.28	23.06		
3	16QAM	1	0	23.01	23.12	23.21	24.5	0
3	16QAM	1	8	23.27	23.26	23.25		
3	16QAM	1	14	22.87	23.09	22.94		
3	16QAM	8	0	22.29	22.23	22.17	23.5	1
3	16QAM	8	4	22.16	22.04	22.27		
3	16QAM	8	7	22.18	22.05	22.12		
3	16QAM	15	0	22.19	22.10	22.32		
3	64QAM	1	0	22.31	22.21	22.26	23.5	1
3	64QAM	1	8	22.35	22.24	22.30		
3	64QAM	1	14	22.21	22.20	22.06		
3	64QAM	8	0	21.21	21.11	21.30	22.5	2
3	64QAM	8	4	21.13	21.14	21.19		
3	64QAM	8	7	21.30	21.08	21.30		
3	64QAM	15	0	21.25	21.05	21.21		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	23.26	23.26	23.09	24.5	0
1.4	QPSK	1	3	23.28	23.27	23.20		
1.4	QPSK	1	5	23.10	23.17	23.25		
1.4	QPSK	3	0	23.24	23.24	22.96		
1.4	QPSK	3	1	23.21	23.26	23.24		
1.4	QPSK	3	3	23.11	23.30	23.04		
1.4	QPSK	6	0	23.11	23.08	23.11	24.5	0
1.4	16QAM	1	0	23.20	23.08	23.16	24.5	0
1.4	16QAM	1	3	23.30	23.42	23.26		
1.4	16QAM	1	5	23.02	23.19	23.08		
1.4	16QAM	3	0	23.03	22.89	23.06		
1.4	16QAM	3	1	23.15	23.36	23.10		
1.4	16QAM	3	3	22.99	22.99	23.03		
1.4	16QAM	6	0	22.18	22.06	22.14	23.5	1
1.4	64QAM	1	0	22.13	22.30	22.17	23.5	1
1.4	64QAM	1	3	22.44	22.20	22.43		
1.4	64QAM	1	5	22.34	22.10	22.19		
1.4	64QAM	3	0	21.92	22.30	21.98		
1.4	64QAM	3	1	22.24	22.02	22.41		
1.4	64QAM	3	3	22.30	22.05	22.06		
1.4	64QAM	6	0	21.16	20.97	21.23	22.5	2

Band 7 Ant2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.57	17.97	17.74	19	0
20	QPSK	1	49	17.81	17.71	17.87		
20	QPSK	1	99	17.66	17.78	17.65		
20	QPSK	50	0	17.50	17.88	17.53	19	0
20	QPSK	50	24	17.77	17.53	17.84		
20	QPSK	50	50	17.55	17.59	17.63		
20	QPSK	100	0	17.39	17.84	17.74		
20	16QAM	1	0	17.81	17.69	17.69	19	0
20	16QAM	1	49	17.63	17.68	17.57		
20	16QAM	1	99	17.57	17.95	17.66		
20	16QAM	50	0	17.72	17.67	17.77	19	0
20	16QAM	50	24	17.58	17.76	17.52		
20	16QAM	50	50	17.56	17.80	17.67		
20	16QAM	100	0	17.61	17.58	17.70		
20	64QAM	1	0	17.43	17.91	17.62	19	0
20	64QAM	1	49	17.77	17.65	17.85		
20	64QAM	1	99	17.52	17.73	17.47		
20	64QAM	50	0	17.44	17.78	17.58	19	0
20	64QAM	50	24	17.57	17.77	17.54		
20	64QAM	50	50	17.75	17.59	17.84		
20	64QAM	100	0	17.45	17.67	17.51		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	17.54	17.76	17.54	19	0
15	QPSK	1	37	17.70	17.54	17.67		
15	QPSK	1	74	17.50	17.73	17.60		
15	QPSK	36	0	17.34	17.81	17.44	19	0
15	QPSK	36	20	17.79	17.45	17.83		
15	QPSK	36	39	17.50	17.44	17.44		
15	QPSK	75	0	17.19	17.69	17.64		
15	16QAM	1	0	17.64	17.55	17.50	19	0
15	16QAM	1	37	17.60	17.67	17.54		
15	16QAM	1	74	17.41	17.78	17.54		
15	16QAM	36	0	17.55	17.61	17.65	19	0
15	16QAM	36	20	17.51	17.65	17.33		
15	16QAM	36	39	17.38	17.58	17.58		
15	16QAM	75	0	17.40	17.49	17.55		
15	64QAM	1	0	17.42	17.73	17.56	19	0
15	64QAM	1	37	17.78	17.57	17.65		
15	64QAM	1	74	17.45	17.69	17.43		
15	64QAM	36	0	17.45	17.80	17.39	19	0
15	64QAM	36	20	17.74	17.40	17.65		
15	64QAM	36	39	17.39	17.52	17.41		
15	64QAM	75	0	17.35	17.60	17.50		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	17.40	17.85	17.65	19	0
10	QPSK	1	25	17.82	17.61	17.74		
10	QPSK	1	49	17.58	17.59	17.52		
10	QPSK	25	0	17.51	17.71	17.42	19	0
10	QPSK	25	12	17.67	17.32	17.63		
10	QPSK	25	25	17.35	17.48	17.51		
10	QPSK	50	0	17.35	17.63	17.59		
10	16QAM	1	0	17.65	17.59	17.68	19	0
10	16QAM	1	25	17.58	17.63	17.43		
10	16QAM	1	49	17.56	17.85	17.45		
10	16QAM	25	0	17.58	17.66	17.72	19	0
10	16QAM	25	12	17.40	17.69	17.50		
10	16QAM	25	25	17.56	17.62	17.67		
10	16QAM	50	0	17.57	17.43	17.50		
10	64QAM	1	0	17.44	17.85	17.63	19	0
10	64QAM	1	25	17.74	17.56	17.81		
10	64QAM	1	49	17.54	17.55	17.36		
10	64QAM	25	0	17.43	17.75	17.48	19	0
10	64QAM	25	12	17.59	17.39	17.77		
10	64QAM	25	25	17.35	17.56	17.52		
10	64QAM	50	0	17.46	17.59	17.44		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	17.37	17.85	17.75	19	0
5	QPSK	1	12	17.68	17.71	17.84		
5	QPSK	1	24	17.65	17.61	17.56		
5	QPSK	12	0	17.49	17.84	17.49	19	0
5	QPSK	12	7	17.68	17.44	17.84		
5	QPSK	12	13	17.36	17.50	17.46		
5	QPSK	25	0	17.19	17.67	17.64		
5	16QAM	1	0	17.69	17.57	17.51	19	0
5	16QAM	1	12	17.46	17.52	17.38		
5	16QAM	1	24	17.40	17.82	17.59		
5	16QAM	12	0	17.68	17.50	17.78	19	0
5	16QAM	12	7	17.36	17.60	17.46		
5	16QAM	12	13	17.43	17.70	17.59		
5	16QAM	25	0	17.63	17.55	17.59		
5	64QAM	1	0	17.30	17.69	17.48	19	0
5	64QAM	1	12	17.63	17.51	17.72		
5	64QAM	1	24	17.37	17.40	17.52		
5	64QAM	12	0	17.32	17.59	17.40	19	0
5	64QAM	12	7	17.45	17.62	17.55		
5	64QAM	12	13	17.70	17.42	17.69		
5	64QAM	25	0	17.28	17.55	17.41		

Band 38 Ant2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.82	21.00	20.51	22.5	0
20	QPSK	1	49	20.64	20.51	20.89		
20	QPSK	1	99	20.75	20.63	20.62		
20	QPSK	50	0	20.81	20.99	20.81	22.5	0
20	QPSK	50	24	20.84	20.80	20.90		
20	QPSK	50	50	20.98	20.92	20.69		
20	QPSK	100	0	20.82	20.84	20.57		
20	16QAM	1	0	20.71	20.97	20.69	22.5	0
20	16QAM	1	49	20.92	20.94	20.71		
20	16QAM	1	99	20.91	20.80	20.72		
20	16QAM	50	0	20.93	20.87	20.88	22.5	0
20	16QAM	50	24	20.89	20.88	20.97		
20	16QAM	50	50	20.86	20.90	20.72		
20	16QAM	100	0	20.85	20.56	20.74		
20	64QAM	1	0	20.92	20.74	20.87	22.5	0
20	64QAM	1	49	20.87	20.89	20.74		
20	64QAM	1	99	20.83	20.79	20.82		
20	64QAM	50	0	20.73	20.84	20.84	22.5	0
20	64QAM	50	24	20.98	20.88	20.95		
20	64QAM	50	50	20.82	20.86	20.74		
20	64QAM	100	0	20.95	20.98	20.59		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	20.77	20.92	20.56	22.5	0
15	QPSK	1	37	20.61	20.52	20.73		
15	QPSK	1	74	20.64	20.57	20.53		
15	QPSK	36	0	20.71	20.84	20.71	22.5	0
15	QPSK	36	20	20.70	20.74	20.75		
15	QPSK	36	39	20.89	20.77	20.53		
15	QPSK	75	0	20.71	20.68	20.57		
15	16QAM	1	0	20.69	20.79	20.59	22.5	0
15	16QAM	1	37	20.91	20.76	20.57		
15	16QAM	1	74	20.74	20.79	20.56		
15	16QAM	36	0	20.90	20.96	20.86	22.5	0
15	16QAM	36	20	20.79	20.86	20.84		
15	16QAM	36	39	20.81	20.80	20.60		
15	16QAM	75	0	20.68	20.62	20.59		
15	64QAM	1	0	20.74	20.63	20.84	22.5	0
15	64QAM	1	37	20.95	20.79	20.78		
15	64QAM	1	74	20.66	20.70	20.68		
15	64QAM	36	0	20.67	20.69	20.74	22.5	0
15	64QAM	36	20	20.82	20.81	20.88		
15	64QAM	36	39	20.73	20.85	20.67		
15	64QAM	75	0	20.87	20.84	20.71		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	20.70	20.85	20.66	22.5	0
10	QPSK	1	25	20.60	20.64	20.75		
10	QPSK	1	49	20.60	20.66	20.63		
10	QPSK	25	0	20.71	20.84	20.72	22.5	0
10	QPSK	25	12	20.71	20.61	20.84		
10	QPSK	25	25	20.91	20.92	20.66		
10	QPSK	50	0	20.71	20.75	20.57		
10	16QAM	1	0	20.64	20.77	20.54	22.5	0
10	16QAM	1	25	20.93	20.85	20.72		
10	16QAM	1	49	20.86	20.63	20.51		
10	16QAM	25	0	20.82	20.85	20.86	22.5	0
10	16QAM	25	12	20.77	20.85	20.82		
10	16QAM	25	25	20.88	20.70	20.52		
10	16QAM	50	0	20.72	20.71	20.65		
10	64QAM	1	0	20.86	20.68	20.77	22.5	0
10	64QAM	1	25	20.84	20.70	20.97		
10	64QAM	1	49	20.72	20.62	20.66		
10	64QAM	25	0	20.64	20.70	20.71	22.5	0
10	64QAM	25	12	20.88	20.86	20.95		
10	64QAM	25	25	20.70	20.73	20.50		
10	64QAM	50	0	20.80	20.95	20.55		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	20.82	20.82	20.59	22.5	0
5	QPSK	1	12	20.73	20.57	20.80		
5	QPSK	1	24	20.57	20.59	20.56		
5	QPSK	12	0	20.81	20.76	20.68	22.5	0
5	QPSK	12	7	20.70	20.61	20.89		
5	QPSK	12	13	20.87	20.87	20.70		
5	QPSK	25	0	20.57	20.72	20.61		
5	16QAM	1	0	20.70	20.81	20.51	22.5	0
5	16QAM	1	12	20.89	20.91	20.61		
5	16QAM	1	24	20.84	20.78	20.51		
5	16QAM	12	0	20.76	20.94	20.74	22.5	0
5	16QAM	12	7	20.62	20.93	20.82		
5	16QAM	12	13	20.76	20.63	20.58		
5	16QAM	25	0	20.67	20.63	20.71		
5	64QAM	1	0	20.78	20.65	20.71	22.5	0
5	64QAM	1	12	20.96	20.65	20.97		
5	64QAM	1	24	20.56	20.57	20.57		
5	64QAM	12	0	20.50	20.59	20.82	22.5	0
5	64QAM	12	7	20.81	20.96	20.90		
5	64QAM	12	13	20.67	20.80	20.54		
5	64QAM	25	0	20.73	20.89	20.51		

Band 41 (2.6G Band) Ant2 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	20.70	20.63	20.87	20.52	22	0
20	QPSK	1	49	20.42	20.67	20.46	20.61		
20	QPSK	1	99	20.63	20.42	20.46	20.65		
20	QPSK	50	0	20.55	20.66	20.75	20.42	22	0
20	QPSK	50	24	20.38	20.52	20.57	20.60		
20	QPSK	50	50	20.56	20.45	20.61	20.59		
20	QPSK	100	0	20.49	20.56	20.67	20.34		
20	16QAM	1	0	20.45	20.53	20.65	20.60	22	0
20	16QAM	1	49	20.44	20.58	20.69	20.55		
20	16QAM	1	99	20.56	20.47	20.67	20.56		
20	16QAM	50	0	20.44	20.36	20.82	20.66	22	0
20	16QAM	50	24	20.58	20.45	20.84	20.43		
20	16QAM	50	50	20.51	20.41	20.64	20.58		
20	16QAM	100	0	20.59	20.43	20.58	20.52		
20	64QAM	1	0	20.47	20.46	20.77	20.42	22	0
20	64QAM	1	49	20.41	20.39	20.50	20.46		
20	64QAM	1	99	20.56	20.54	20.82	20.55		
20	64QAM	50	0	20.57	20.54	20.61	20.51	22	0
20	64QAM	50	24	20.53	20.54	20.70	20.47		
20	64QAM	50	50	20.37	20.48	20.71	20.51		
20	64QAM	100	0	20.55	20.56	20.75	20.51		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	20.65	20.47	20.67	20.45	22	0
15	QPSK	1	37	20.43	20.62	20.38	20.44		
15	QPSK	1	74	20.48	20.25	20.29	20.54		
15	QPSK	36	0	20.47	20.61	20.61	20.24	22	0
15	QPSK	36	20	20.35	20.48	20.47	20.62		
15	QPSK	36	39	20.54	20.29	20.54	20.58		
15	QPSK	75	0	20.45	20.51	20.55	20.31		
15	16QAM	1	0	20.36	20.50	20.55	20.49	22	0
15	16QAM	1	37	20.36	20.59	20.58	20.47		
15	16QAM	1	74	20.56	20.37	20.56	20.35		
15	16QAM	36	0	20.66	20.64	20.65	20.33	22	0
15	16QAM	36	20	20.38	20.66	20.43	20.47		
15	16QAM	36	39	20.64	20.21	20.41	20.59		
15	16QAM	75	0	20.45	20.43	20.37	20.31		
15	64QAM	1	0	20.46	20.32	20.58	20.33	22	0
15	64QAM	1	37	20.29	20.37	20.32	20.31		
15	64QAM	1	74	20.44	20.55	20.71	20.43		
15	64QAM	36	0	20.49	20.46	20.72	20.32	22	0
15	64QAM	36	20	20.41	20.61	20.25	20.59		
15	64QAM	36	39	20.63	20.39	20.27	20.66		
15	64QAM	75	0	20.37	20.46	20.62	20.53		
Channel				40090	40390	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	20.70	20.47	20.73	20.53	22	0
10	QPSK	1	25	20.27	20.49	20.27	20.42		
10	QPSK	1	49	20.61	20.41	20.45	20.57		
10	QPSK	25	0	20.50	20.55	20.66	20.30	22	0
10	QPSK	25	12	20.40	20.34	20.53	20.52		
10	QPSK	25	25	20.48	20.34	20.48	20.60		
10	QPSK	50	0	20.39	20.37	20.53	20.15		
10	16QAM	1	0	20.28	20.37	20.66	20.57	22	0
10	16QAM	1	25	20.30	20.40	20.52	20.51		
10	16QAM	1	49	20.45	20.45	20.58	20.37		
10	16QAM	25	0	20.69	20.59	20.76	20.31	22	0
10	16QAM	25	12	20.27	20.48	20.39	20.52		
10	16QAM	25	25	20.60	20.31	20.47	20.43		
10	16QAM	50	0	20.59	20.25	20.44	20.38		
10	64QAM	1	0	20.58	20.47	20.77	20.48	22	0
10	64QAM	1	25	20.36	20.59	20.37	20.58		
10	64QAM	1	49	20.61	20.35	20.29	20.55		
10	64QAM	25	0	20.38	20.49	20.54	20.39	22	0
10	64QAM	25	12	20.33	20.32	20.51	20.36		
10	64QAM	25	25	20.27	20.46	20.63	20.40		
10	64QAM	50	0	20.37	20.55	20.58	20.31		
Channel				40065	40385	40705	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	20.50	20.46	20.81	20.53	22	0
5	QPSK	1	12	20.42	20.63	20.42	20.61		
5	QPSK	1	24	20.41	20.43	20.35	20.53		
5	QPSK	12	0	20.46	20.54	20.63	20.38	22	0
5	QPSK	12	7	20.28	20.44	20.35	20.58		
5	QPSK	12	13	20.49	20.28	20.44	20.57		
5	QPSK	25	0	20.50	20.39	20.51	20.12		
5	16QAM	1	0	20.31	20.53	20.62	20.52	22	0
5	16QAM	1	12	20.35	20.55	20.52	20.35		
5	16QAM	1	24	20.38	20.39	20.69	20.44		
5	16QAM	12	0	20.56	20.44	20.74	20.43	22	0
5	16QAM	12	7	20.39	20.53	20.44	20.49		
5	16QAM	12	13	20.49	20.40	20.29	20.63		
5	16QAM	25	0	20.50	20.29	20.50	20.44		
5	64QAM	1	0	20.37	20.33	20.60	20.26	22	0
5	64QAM	1	12	20.43	20.19	20.35	20.43		
5	64QAM	1	24	20.35	20.54	20.61	20.39		
5	64QAM	12	0	20.47	20.44	20.56	20.36	22	0
5	64QAM	12	7	20.40	20.48	20.55	20.31		
5	64QAM	12	13	20.38	20.45	20.57	20.48		
5	64QAM	25	0	20.44	20.42	20.63	20.33		

Band 2 Ant4 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	24.48	24.67	24.51	25.5	0
20	QPSK	1	49	24.31	24.47	24.44		
20	QPSK	1	99	24.38	24.59	24.37		
20	QPSK	50	0	23.59	23.70	23.50	24.5	1
20	QPSK	50	24	23.47	23.55	23.56		
20	QPSK	50	50	23.29	23.35	23.40		
20	QPSK	100	0	23.45	23.62	23.42		
20	16QAM	1	0	23.39	23.65	23.48	24.5	1
20	16QAM	1	49	23.26	23.50	23.46		
20	16QAM	1	99	23.33	23.60	23.36		
20	16QAM	50	0	22.53	22.52	22.41	23.5	2
20	16QAM	50	24	22.33	22.57	22.47		
20	16QAM	50	50	22.28	22.54	22.41		
20	16QAM	100	0	22.43	22.66	22.33		
20	64QAM	1	0	22.56	22.65	22.40	23.5	2
20	64QAM	1	49	22.47	22.74	22.44		
20	64QAM	1	99	22.26	22.39	22.52		
20	64QAM	50	0	21.51	21.56	21.41	22.5	3
20	64QAM	50	24	21.50	21.77	21.51		
20	64QAM	50	50	21.46	21.67	21.47		
20	64QAM	100	0	21.19	21.50	21.57		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	24.34	24.49	24.40	25.5	0
15	QPSK	1	37	24.32	24.46	24.39		
15	QPSK	1	74	24.21	24.57	24.34		
15	QPSK	36	0	23.51	23.49	23.45	24.5	1
15	QPSK	36	20	23.40	23.52	23.37		
15	QPSK	36	39	23.23	23.14	23.38		
15	QPSK	75	0	23.45	23.47	23.37		
15	16QAM	1	0	23.18	23.47	23.44	24.5	1
15	16QAM	1	37	23.09	23.44	23.40		
15	16QAM	1	74	23.30	23.55	23.23		
15	16QAM	36	0	22.38	22.42	22.33	23.5	2
15	16QAM	36	20	22.20	22.39	22.26		
15	16QAM	36	39	22.10	22.33	22.38		
15	16QAM	75	0	22.34	22.60	22.23		
15	64QAM	1	0	22.38	22.44	22.33	23.5	2
15	64QAM	1	37	22.31	22.53	22.25		
15	64QAM	1	74	22.06	22.40	22.38		
15	64QAM	36	0	21.34	21.47	21.24	22.5	3
15	64QAM	36	20	21.39	21.59	21.34		
15	64QAM	36	39	21.39	21.58	21.29		
15	64QAM	75	0	21.08	21.35	21.48		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	24.41	24.47	24.38	25.5	0
10	QPSK	1	25	24.30	24.35	24.39		
10	QPSK	1	49	24.37	24.42	24.27		
10	QPSK	25	0	23.55	23.69	23.45	24.5	1
10	QPSK	25	12	23.28	23.55	23.44		
10	QPSK	25	25	23.19	23.32	23.33		
10	QPSK	50	0	23.32	23.50	23.33		
10	16QAM	1	0	23.40	23.61	23.49	24.5	1
10	16QAM	1	25	23.24	23.49	23.26		
10	16QAM	1	49	23.13	23.56	23.16		
10	16QAM	25	0	22.38	22.31	22.37	23.5	2
10	16QAM	25	12	22.16	22.36	22.48		
10	16QAM	25	25	22.26	22.33	22.36		
10	16QAM	50	0	22.32	22.65	22.34		
10	64QAM	1	0	22.58	22.45	22.26	23.5	2
10	64QAM	1	25	22.38	22.56	22.36		
10	64QAM	1	49	22.11	22.37	22.32		
10	64QAM	25	0	21.42	21.50	21.39	22.5	3
10	64QAM	25	12	21.51	21.75	21.47		
10	64QAM	25	25	21.35	21.47	21.40		
10	64QAM	50	0	21.11	21.35	21.57		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	24.37	24.52	24.43	25.5	0
5	QPSK	1	12	24.16	24.42	24.33		
5	QPSK	1	24	24.31	24.60	24.15		
5	QPSK	12	0	23.41	23.62	23.43	24.5	1
5	QPSK	12	7	23.35	23.55	23.48		
5	QPSK	12	13	23.16	23.13	23.23		
5	QPSK	25	0	23.44	23.43	23.23		
5	16QAM	1	0	23.21	23.53	23.32	24.5	1
5	16QAM	1	12	23.08	23.37	23.26		
5	16QAM	1	24	23.24	23.48	23.31		
5	16QAM	12	0	22.52	22.46	22.28	23.5	2
5	16QAM	12	7	22.29	22.54	22.46		
5	16QAM	12	13	22.18	22.32	22.41		
5	16QAM	25	0	22.22	22.55	22.24		
5	64QAM	1	0	22.46	22.57	22.23	23.5	2
5	64QAM	1	12	22.42	22.70	22.22		
5	64QAM	1	24	22.23	22.36	22.31		
5	64QAM	12	0	21.38	21.44	21.33	22.5	3
5	64QAM	12	7	21.45	21.63	21.35		
5	64QAM	12	13	21.36	21.54	21.34		
5	64QAM	25	0	21.18	21.30	21.44		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	24.36	24.62	24.46	25.5	0
3	QPSK	1	8	24.13	24.44	24.34		
3	QPSK	1	14	24.35	24.45	24.25		
3	QPSK	8	0	23.51	23.49	23.35	24.5	1
3	QPSK	8	4	23.43	23.38	23.48		
3	QPSK	8	7	23.10	23.28	23.21		
3	QPSK	15	0	23.45	23.55	23.29		
3	16QAM	1	0	23.40	23.51	23.30	24.5	1
3	16QAM	1	8	23.21	23.43	23.35		
3	16QAM	1	14	23.34	23.58	23.34		
3	16QAM	8	0	22.51	22.35	22.25	23.5	2
3	16QAM	8	4	22.20	22.56	22.39		
3	16QAM	8	7	22.21	22.47	22.40		
3	16QAM	15	0	22.32	22.57	22.24		
3	64QAM	1	0	22.56	22.66	22.34	23.5	2
3	64QAM	1	8	22.47	22.66	22.30		
3	64QAM	1	14	22.22	22.28	22.52		
3	64QAM	8	0	21.33	21.51	21.40	22.5	3
3	64QAM	8	4	21.50	21.56	21.30		
3	64QAM	8	7	21.33	21.67	21.32		
3	64QAM	15	0	21.14	21.34	21.56		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	24.24	24.47	24.34	25.5	0
1.4	QPSK	1	3	24.04	24.24	24.31		
1.4	QPSK	1	5	24.31	24.42	24.25		
1.4	QPSK	3	0	24.21	24.50	24.42		
1.4	QPSK	3	1	24.11	24.36	24.20		
1.4	QPSK	3	3	24.21	24.26	24.13		
1.4	QPSK	6	0	23.17	23.44	23.14	24.5	1
1.4	16QAM	1	0	23.33	23.37	23.29	24.5	1
1.4	16QAM	1	3	23.07	23.34	23.34		
1.4	16QAM	1	5	23.26	23.39	23.15		
1.4	16QAM	3	0	23.37	23.45	23.24		
1.4	16QAM	3	1	23.19	23.29	23.15		
1.4	16QAM	3	3	23.14	23.52	23.23		
1.4	16QAM	6	0	22.25	22.50	22.22	23.5	2
1.4	64QAM	1	0	22.52	22.48	22.31	23.5	2
1.4	64QAM	1	3	22.47	22.48	22.32		
1.4	64QAM	1	5	22.10	22.16	22.43		
1.4	64QAM	3	0	22.56	22.57	22.13		
1.4	64QAM	3	1	22.40	22.53	22.19		
1.4	64QAM	3	3	22.16	22.14	22.50		
1.4	64QAM	6	0	21.00	21.40	21.45	22.5	3

Band 7 Ant4 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20650	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	24.07	24.23	24.02	25.5	0
20	QPSK	1	49	24.00	24.19	23.97		
20	QPSK	1	99	24.08	24.10	23.89		
20	QPSK	50	0	23.00	23.19	23.03	24.5	1
20	QPSK	50	24	23.11	23.15	23.03		
20	QPSK	50	50	23.00	23.09	22.86		
20	QPSK	100	0	23.01	23.11	22.97		
20	16QAM	1	0	22.93	23.12	22.88	24.5	1
20	16QAM	1	49	22.84	23.00	22.86		
20	16QAM	1	99	22.97	23.08	22.80		
20	16QAM	50	0	21.87	21.96	22.02	23.5	2
20	16QAM	50	24	22.02	22.01	21.87		
20	16QAM	50	50	21.94	21.96	21.81		
20	16QAM	100	0	21.99	21.97	21.83		
20	64QAM	1	0	21.84	22.07	21.86	23.5	2
20	64QAM	1	49	22.04	22.12	21.88		
20	64QAM	1	99	22.08	22.10	21.89		
20	64QAM	50	0	21.02	20.90	20.72	22.5	3
20	64QAM	50	24	20.79	21.01	20.81		
20	64QAM	50	50	21.04	21.05	20.98		
20	64QAM	100	0	20.97	21.02	20.97		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.93	24.09	23.97	25.5	0
15	QPSK	1	37	23.92	24.08	23.93		
15	QPSK	1	74	24.00	24.01	23.67		
15	QPSK	36	0	22.80	23.05	22.85	24.5	1
15	QPSK	36	20	23.08	22.93	22.95		
15	QPSK	36	39	22.92	23.03	22.78		
15	QPSK	75	0	22.93	22.91	22.83		
15	16QAM	1	0	22.84	22.90	22.68	24.5	1
15	16QAM	1	37	22.73	22.78	22.77		
15	16QAM	1	74	22.76	22.89	22.72		
15	16QAM	36	0	21.81	21.96	22.03	23.5	2
15	16QAM	36	20	21.81	21.96	21.81		
15	16QAM	36	39	21.84	21.95	21.60		
15	16QAM	75	0	21.97	21.82	21.64		
15	64QAM	1	0	21.85	21.91	21.82	23.5	2
15	64QAM	1	37	21.84	22.10	21.73		
15	64QAM	1	74	21.88	22.00	21.71		
15	64QAM	36	0	20.96	20.83	20.52	22.5	3
15	64QAM	36	20	20.58	20.95	20.59		
15	64QAM	36	39	21.00	20.90	20.86		
15	64QAM	75	0	20.95	20.97	20.92		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.00	24.01	24.02	25.5	0
10	QPSK	1	25	23.90	24.09	23.99		
10	QPSK	1	49	24.10	23.92	23.75		
10	QPSK	25	0	22.90	23.16	22.97	24.5	1
10	QPSK	25	12	23.07	23.00	23.02		
10	QPSK	25	25	22.97	23.02	22.75		
10	QPSK	50	0	22.85	22.95	22.75		
10	16QAM	1	0	22.73	23.01	22.85	24.5	1
10	16QAM	1	25	22.69	22.79	22.77		
10	16QAM	1	49	22.95	22.97	22.67		
10	16QAM	25	0	21.66	21.97	21.99	23.5	2
10	16QAM	25	12	21.98	21.95	21.77		
10	16QAM	25	25	21.78	21.82	21.77		
10	16QAM	50	0	22.01	21.81	21.78		
10	64QAM	1	0	21.80	21.96	21.79	23.5	2
10	64QAM	1	25	22.03	21.98	21.77		
10	64QAM	1	49	21.90	22.10	21.81		
10	64QAM	25	0	20.87	20.74	20.57	22.5	3
10	64QAM	25	12	20.67	20.89	20.78		
10	64QAM	25	25	20.99	20.94	20.94		
10	64QAM	50	0	20.95	20.89	20.88		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.01	24.15	23.97	25.5	0
5	QPSK	1	12	23.89	23.99	23.97		
5	QPSK	1	24	24.01	23.97	23.82		
5	QPSK	12	0	22.93	22.98	23.02	24.5	1
5	QPSK	12	7	23.06	23.01	22.87		
5	QPSK	12	13	23.01	22.88	22.85		
5	QPSK	25	0	22.97	23.03	22.78		
5	16QAM	1	0	22.84	23.10	22.76	24.5	1
5	16QAM	1	12	22.74	22.83	22.72		
5	16QAM	1	24	22.75	23.03	22.64		
5	16QAM	12	0	21.65	21.75	21.93	23.5	2
5	16QAM	12	7	22.04	21.79	21.82		
5	16QAM	12	13	21.96	21.80	21.65		
5	16QAM	25	0	21.90	21.95	21.64		
5	64QAM	1	0	21.74	22.08	21.68	23.5	2
5	64QAM	1	12	21.88	22.09	21.71		
5	64QAM	1	24	22.01	21.89	21.84		
5	64QAM	12	0	20.85	20.81	20.72	22.5	3
5	64QAM	12	7	20.68	20.81	20.82		
5	64QAM	12	13	21.00	21.00	20.82		
5	64QAM	25	0	20.84	20.93	20.82		

Band 38 Ant4 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.64	21.82	21.69	23	0
20	QPSK	1	49	21.35	21.58	21.46		
20	QPSK	1	99	21.32	21.68	21.78		
20	QPSK	50	0	20.66	20.90	20.56	22	1
20	QPSK	50	24	20.63	20.50	20.52		
20	QPSK	50	50	20.57	20.70	20.89		
20	QPSK	100	0	20.59	20.70	20.64		
20	16QAM	1	0	20.44	20.65	20.80	22	1
20	16QAM	1	49	20.48	20.53	20.62		
20	16QAM	1	99	20.34	20.63	20.59		
20	16QAM	50	0	19.47	19.76	19.43	21	2
20	16QAM	50	24	19.67	19.60	19.55		
20	16QAM	50	50	19.36	19.65	19.85		
20	16QAM	100	0	19.57	19.62	19.68		
20	64QAM	1	0	19.38	19.81	19.52	21	2
20	64QAM	1	49	19.73	19.60	19.38		
20	64QAM	1	99	19.56	19.77	19.67		
20	64QAM	50	0	18.72	18.75	18.62	20	3
20	64QAM	50	24	18.43	18.86	18.79		
20	64QAM	50	50	18.59	18.71	18.48		
20	64QAM	100	0	18.34	18.68	18.82		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.50	21.66	21.69	23	0
15	QPSK	1	37	21.35	21.75	21.56		
15	QPSK	1	74	21.45	21.70	21.69		
15	QPSK	36	0	20.56	20.75	20.69	22	1
15	QPSK	36	20	20.59	20.51	20.57		
15	QPSK	36	39	20.60	20.74	20.73		
15	QPSK	75	0	20.57	20.70	20.65		
15	16QAM	1	0	20.43	20.78	20.93	22	1
15	16QAM	1	37	20.55	20.64	20.59		
15	16QAM	1	74	20.42	20.59	20.64		
15	16QAM	36	0	19.59	19.56	19.46	21	2
15	16QAM	36	20	19.72	19.76	19.64		
15	16QAM	36	39	19.39	19.59	19.68		
15	16QAM	75	0	19.58	19.71	19.80		
15	64QAM	1	0	19.57	19.74	19.48	21	2
15	64QAM	1	37	19.71	19.51	19.42		
15	64QAM	1	74	19.46	19.67	19.60		
15	64QAM	36	0	18.68	18.78	18.62	20	3
15	64QAM	36	20	18.52	18.69	18.76		
15	64QAM	36	39	18.61	18.52	18.29		
15	64QAM	75	0	18.35	18.74	18.82		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.54	21.75	21.60	23	0
10	QPSK	1	25	21.41	21.81	21.55		
10	QPSK	1	49	21.43	21.73	21.59		
10	QPSK	25	0	20.49	20.70	20.58	22	1
10	QPSK	25	12	20.79	20.57	20.68		
10	QPSK	25	25	20.60	20.67	20.84		
10	QPSK	50	0	20.59	20.71	20.71		
10	16QAM	1	0	20.56	20.79	20.85	22	1
10	16QAM	1	25	20.52	20.66	20.64		
10	16QAM	1	49	20.40	20.69	20.64		
10	16QAM	25	0	19.51	19.71	19.40	21	2
10	16QAM	25	12	19.74	19.71	19.55		
10	16QAM	25	25	19.35	19.47	19.73		
10	16QAM	50	0	19.64	19.61	19.74		
10	64QAM	1	0	19.40	19.71	19.50	21	2
10	64QAM	1	25	19.72	19.47	19.36		
10	64QAM	1	49	19.39	19.66	19.73		
10	64QAM	25	0	18.61	18.70	18.56	20	3
10	64QAM	25	12	18.49	18.91	18.65		
10	64QAM	25	25	18.62	18.65	18.36		
10	64QAM	50	0	18.36	18.73	18.74		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.46	21.65	21.77	23	0
5	QPSK	1	12	21.32	21.67	21.47		
5	QPSK	1	24	21.42	21.65	21.73		
5	QPSK	12	0	20.49	20.74	20.59	22	1
5	QPSK	12	7	20.74	20.67	20.53		
5	QPSK	12	13	20.60	20.71	20.75		
5	QPSK	25	0	20.56	20.74	20.71		
5	16QAM	1	0	20.55	20.71	20.80	22	1
5	16QAM	1	12	20.48	20.51	20.45		
5	16QAM	1	24	20.38	20.67	20.67		
5	16QAM	12	0	19.43	19.71	19.50	21	2
5	16QAM	12	7	19.57	19.77	19.51		
5	16QAM	12	13	19.38	19.49	19.71		
5	16QAM	25	0	19.51	19.73	19.70		
5	64QAM	1	0	19.48	19.89	19.52	21	2
5	64QAM	1	12	19.68	19.53	19.52		
5	64QAM	1	24	19.48	19.64	19.74		
5	64QAM	12	0	18.49	18.79	18.60	20	3
5	64QAM	12	7	18.55	18.79	18.86		
5	64QAM	12	13	18.60	18.63	18.36		
5	64QAM	25	0	18.26	18.71	18.77		

Band 41 (2.6G Band) Ant4 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	21.68	21.62	21.84	21.82	23	0
20	QPSK	1	49	21.70	21.69	21.65	21.53		
20	QPSK	1	99	21.70	21.79	21.62	21.61		
20	QPSK	50	0	20.59	20.57	20.69	20.65	22	1
20	QPSK	50	24	20.40	20.67	20.48	20.54		
20	QPSK	50	50	20.51	20.64	20.62	20.62		
20	QPSK	100	0	20.38	20.55	20.73	20.61		
20	16QAM	1	0	20.46	20.58	20.61	20.92	22	1
20	16QAM	1	49	20.60	20.55	20.69	20.48		
20	16QAM	1	99	20.51	20.49	20.49	20.77		
20	16QAM	50	0	19.57	19.42	19.60	19.43	21	2
20	16QAM	50	24	19.47	19.73	19.58	19.49		
20	16QAM	50	50	19.42	19.74	19.54	19.83		
20	16QAM	100	0	19.34	19.59	19.54	19.72		
20	64QAM	1	0	19.51	19.67	19.87	19.51	21	2
20	64QAM	1	49	19.58	19.70	19.60	19.51		
20	64QAM	1	99	19.64	19.57	19.64	19.75		
20	64QAM	50	0	18.81	18.68	18.67	18.61	20	3
20	64QAM	50	24	18.57	18.68	18.90	18.82		
20	64QAM	50	50	18.64	18.64	18.55	18.77		
20	64QAM	100	0	18.45	18.67	18.84	18.82		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	21.50	21.51	21.75	21.78	23	0
15	QPSK	1	37	21.58	21.50	21.59	21.48		
15	QPSK	1	74	21.53	21.76	21.46	21.51		
15	QPSK	36	0	20.57	20.59	20.53	20.47	22	1
15	QPSK	36	20	20.21	20.67	20.43	20.36		
15	QPSK	36	39	20.50	20.48	20.66	20.63		
15	QPSK	75	0	20.38	20.41	20.70	20.54		
15	16QAM	1	0	20.41	20.40	20.55	20.58	22	1
15	16QAM	1	37	20.38	20.64	20.36	20.45		
15	16QAM	1	74	20.52	20.59	20.69	20.67		
15	16QAM	36	0	19.39	19.34	19.56	19.33	21	2
15	16QAM	36	20	19.44	19.69	19.54	19.29		
15	16QAM	36	39	19.40	19.56	19.41	19.62		
15	16QAM	75	0	19.15	19.52	19.51	19.61		
15	64QAM	1	0	19.42	19.31	19.55	19.29	21	2
15	64QAM	1	37	19.37	19.52	19.55	19.41		
15	64QAM	1	74	19.26	19.62	19.52	19.67		
15	64QAM	36	0	18.79	18.53	18.46	18.55	20	3
15	64QAM	36	20	18.41	18.59	18.86	18.78		
15	64QAM	36	39	18.48	18.42	18.40	18.63		
15	64QAM	75	0	18.42	18.68	18.81	18.68		
Channel				40090	40390	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	21.54	21.42	21.62	21.74	23	0
10	QPSK	1	25	21.54	21.55	21.56	21.42		
10	QPSK	1	49	21.67	21.57	21.40	21.43		
10	QPSK	25	0	20.49	20.41	20.62	20.66	22	1
10	QPSK	25	12	20.25	20.55	20.26	20.46		
10	QPSK	25	25	20.52	20.50	20.72	20.65		
10	QPSK	50	0	20.37	20.56	20.66	20.48		
10	16QAM	1	0	20.39	20.59	20.53	20.75	22	1
10	16QAM	1	25	20.51	20.41	20.70	20.47		
10	16QAM	1	49	20.39	20.40	20.42	20.72		
10	16QAM	25	0	19.36	19.31	19.46	19.31	21	2
10	16QAM	25	12	19.39	19.62	19.42	19.39		
10	16QAM	25	25	19.34	19.58	19.48	19.69		
10	16QAM	50	0	19.26	19.49	19.51	19.63		
10	64QAM	1	0	19.33	19.47	19.77	19.49	21	2
10	64QAM	1	25	19.59	19.69	19.44	19.35		
10	64QAM	1	49	19.61	19.56	19.49	19.64		
10	64QAM	25	0	18.74	18.51	18.57	18.40	20	3
10	64QAM	25	12	18.49	18.51	18.84	18.77		
10	64QAM	25	25	18.43	18.54	18.45	18.65		
10	64QAM	50	0	18.30	18.47	18.62	18.75		
Channel				40065	40385	40705	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	21.57	21.44	21.78	21.68	23	0
5	QPSK	1	12	21.66	21.66	21.66	21.41		
5	QPSK	1	24	21.58	21.72	21.47	21.60		
5	QPSK	12	0	20.50	20.43	20.56	20.50	22	1
5	QPSK	12	7	20.32	20.53	20.37	20.52		
5	QPSK	12	13	20.31	20.58	20.62	20.73		
5	QPSK	25	0	20.18	20.40	20.54	20.61		
5	16QAM	1	0	20.43	20.56	20.52	20.82	22	1
5	16QAM	1	12	20.54	20.42	20.68	20.38		
5	16QAM	1	24	20.52	20.32	20.43	20.76		
5	16QAM	12	0	19.46	19.35	19.49	19.27	21	2
5	16QAM	12	7	19.31	19.64	19.46	19.47		
5	16QAM	12	13	19.30	19.65	19.43	19.62		
5	16QAM	25	0	19.36	19.40	19.47	19.60		
5	64QAM	1	0	19.43	19.51	19.66	19.34	21	2
5	64QAM	1	12	19.52	19.64	19.51	19.47		
5	64QAM	1	24	19.56	19.46	19.63	19.57		
5	64QAM	12	0	18.82	18.51	18.45	18.60	20	3
5	64QAM	12	7	18.41	18.56	18.73	18.64		
5	64QAM	12	13	18.61	18.56	18.37	18.57		
5	64QAM	25	0	18.33	18.47	18.65	18.65		

GSM850 Ant 1 DSI2

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

GSM1900 Ant 1 DSI2

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

WCDMA II Ant 1 DSI2 | WCDMA IV Ant 1 DSI2 | WCDMA V Ant 1 DSI2

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.16	24.13	24.06	25.50	24.14	24.17	24.03	25.50	24.33	24.43	24.23	25.50
3GPP Rel 99	RMC 12.2Kbps	24.27	24.29	24.18	25.50	24.18	24.27	24.07	25.50	24.43	24.55	24.33	25.50
3GPP Rel 6	HSDPA Subtest-1	23.15	23.17	23.13	24.50	23.03	23.18	22.95	24.50	23.62	23.61	23.66	24.50
3GPP Rel 6	HSDPA Subtest-2	23.05	23.13	23.07	24.50	22.97	23.10	22.81	24.50	23.53	23.56	23.58	24.50
3GPP Rel 6	HSDPA Subtest-3	22.62	22.58	22.57	24.50	22.59	22.65	22.51	24.50	23.03	23.06	23.11	24.50
3GPP Rel 6	HSDPA Subtest-4	22.58	22.63	22.53	24.50	22.58	22.54	22.59	24.50	23.05	23.06	23.09	24.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.23	23.22	23.24	25.00	23.07	23.22	23.17	25.00	23.54	23.72	23.70	25.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.17	23.12	23.16	25.00	23.06	23.05	23.14	25.00	23.52	23.45	23.57	25.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.58	22.52	22.66	24.50	22.53	22.75	22.59	24.50	22.96	22.98	23.11	24.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.67	22.53	22.51	24.50	22.58	22.55	22.58	24.50	22.95	22.99	23.14	24.50
3GPP Rel 6	HSUPA Subtest-1	21.20	21.23	21.13	23.00	21.02	21.23	21.02	23.00	21.66	21.52	21.66	23.00
3GPP Rel 6	HSUPA Subtest-2	21.16	21.21	21.05	23.00	21.01	21.20	21.01	23.00	21.56	21.48	21.63	23.00
3GPP Rel 6	HSUPA Subtest-3	22.15	22.14	22.13	24.00	22.01	22.19	22.01	24.00	22.63	22.56	22.63	24.00
3GPP Rel 6	HSUPA Subtest-4	20.64	20.66	20.63	22.50	20.59	20.70	20.59	22.50	21.03	20.99	21.10	22.50
3GPP Rel 6	HSUPA Subtest-5	22.20	22.10	22.10	24.00	22.10	22.20	22.10	24.00	22.50	22.40	22.50	24.00

Band 2 Ant1 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	24.00	24.18	23.95	25.5	0
20	QPSK	1	49	24.04	24.12	24.00		
20	QPSK	1	99	23.86	23.98	23.89		
20	QPSK	50	0	22.97	23.20	23.05	24.5	1
20	QPSK	50	24	23.05	23.12	23.07		
20	QPSK	50	50	23.04	23.02	22.98		
20	QPSK	100	0	22.88	23.00	22.93		
20	16QAM	1	0	23.18	23.25	23.21	24.5	1
20	16QAM	1	49	23.23	23.22	23.03		
20	16QAM	1	99	23.01	23.17	22.96		
20	16QAM	50	0	21.99	21.99	22.05	23.5	2
20	16QAM	50	24	22.15	22.14	22.01		
20	16QAM	50	50	21.97	22.09	21.85		
20	16QAM	100	0	21.92	22.11	21.98		
20	64QAM	1	0	22.21	22.23	22.14	23.5	2
20	64QAM	1	49	22.23	22.20	22.25		
20	64QAM	1	99	21.97	22.05	21.99		
20	64QAM	50	0	21.03	21.01	21.14	22.5	3
20	64QAM	50	24	21.19	21.14	21.15		
20	64QAM	50	50	21.05	21.09	20.97		
20	64QAM	100	0	21.02	21.05	21.04		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.88	24.11	23.82	25.5	0
15	QPSK	1	37	24.05	23.91	23.99		
15	QPSK	1	74	23.79	23.76	23.82		
15	QPSK	36	0	22.95	23.15	22.95	24.5	1
15	QPSK	36	20	22.85	22.97	22.98		
15	QPSK	36	39	23.03	22.98	22.79		
15	QPSK	75	0	22.83	22.98	22.78		
15	16QAM	1	0	22.97	23.05	23.10	24.5	1
15	16QAM	1	37	23.08	23.07	23.00		
15	16QAM	1	74	22.89	22.99	22.81		
15	16QAM	36	0	21.86	21.92	21.93	23.5	2
15	16QAM	36	20	22.04	21.99	21.96		
15	16QAM	36	39	21.97	21.92	21.68		
15	16QAM	75	0	21.86	22.10	21.90		
15	64QAM	1	0	22.03	22.23	21.95	23.5	2
15	64QAM	1	37	22.12	22.10	22.24		
15	64QAM	1	74	21.98	21.88	22.00		
15	64QAM	36	0	20.90	20.88	20.94	22.5	3
15	64QAM	36	20	21.11	20.99	20.97		
15	64QAM	36	39	20.93	20.95	20.84		
15	64QAM	75	0	20.93	20.87	20.96		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.88	24.06	23.93	25.5	0
10	QPSK	1	25	23.94	23.93	23.99		
10	QPSK	1	49	23.75	23.85	23.79		
10	QPSK	25	0	22.83	23.01	22.97	24.5	1
10	QPSK	25	12	23.02	23.08	23.08		
10	QPSK	25	25	22.92	22.88	22.82		
10	QPSK	50	0	22.84	22.89	22.95		
10	16QAM	1	0	23.13	23.14	23.16	24.5	1
10	16QAM	1	25	23.05	23.20	22.93		
10	16QAM	1	49	22.99	23.18	22.89		
10	16QAM	25	0	21.86	21.93	21.91	23.5	2
10	16QAM	25	12	22.01	22.08	21.98		
10	16QAM	25	25	21.89	22.08	21.69		
10	16QAM	50	0	21.91	22.11	21.82		
10	64QAM	1	0	22.12	22.21	22.08	23.5	2
10	64QAM	1	25	22.11	22.22	22.21		
10	64QAM	1	49	21.93	21.92	21.90		
10	64QAM	25	0	20.86	21.01	21.09	22.5	3
10	64QAM	25	12	20.97	21.15	21.11		
10	64QAM	25	25	20.86	20.93	20.86		
10	64QAM	50	0	20.83	20.94	20.86		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.88	23.98	23.75	25.5	0
5	QPSK	1	12	23.99	24.10	23.80		
5	QPSK	1	24	23.72	23.92	23.73		
5	QPSK	12	0	22.80	23.18	22.97	24.5	1
5	QPSK	12	7	23.01	22.97	22.90		
5	QPSK	12	13	22.89	22.97	22.96		
5	QPSK	25	0	22.86	22.96	22.84		
5	16QAM	1	0	23.06	23.07	23.05	24.5	1
5	16QAM	1	12	23.12	23.21	22.92		
5	16QAM	1	24	22.85	23.16	22.86		
5	16QAM	12	0	21.97	21.79	21.97	23.5	2
5	16QAM	12	7	22.12	22.00	21.79		
5	16QAM	12	13	21.76	21.91	21.75		
5	16QAM	25	0	21.71	21.98	21.91		
5	64QAM	1	0	22.18	22.14	22.16	23.5	2
5	64QAM	1	12	22.02	22.04	22.21		
5	64QAM	1	24	21.98	21.93	21.86		
5	64QAM	12	0	20.89	20.91	21.02	22.5	3
5	64QAM	12	7	21.10	21.11	20.96		
5	64QAM	12	13	20.93	20.87	20.94		
5	64QAM	25	0	20.97	20.88	20.93		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.91	23.92	23.80	25.5	0
3	QPSK	1	8	23.89	23.82	23.76		
3	QPSK	1	14	23.58	23.79	23.61		
3	QPSK	8	0	22.79	23.04	22.83	24.5	1
3	QPSK	8	4	22.88	22.91	22.88		
3	QPSK	8	7	22.79	22.87	22.73		
3	QPSK	15	0	22.74	22.83	22.68		
3	16QAM	1	0	23.05	23.01	23.12	24.5	1
3	16QAM	1	8	23.03	22.98	22.92		
3	16QAM	1	14	22.89	22.92	22.82		
3	16QAM	8	0	21.79	21.73	21.74	23.5	2
3	16QAM	8	4	22.07	21.89	21.84		
3	16QAM	8	7	21.75	21.83	21.73		
3	16QAM	15	0	21.80	21.89	21.78		
3	64QAM	1	0	21.94	21.98	21.86	23.5	2
3	64QAM	1	8	21.98	21.94	22.02		
3	64QAM	1	14	21.80	21.80	21.81		
3	64QAM	8	0	20.95	20.91	20.99	22.5	3
3	64QAM	8	4	21.00	20.85	21.04		
3	64QAM	8	7	20.91	20.80	20.71		
3	64QAM	15	0	20.70	20.89	20.76		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.91	23.97	23.72	25.5	0
1.4	QPSK	1	3	23.79	23.80	23.87		
1.4	QPSK	1	5	23.70	23.75	23.65		
1.4	QPSK	3	0	23.91	23.78	23.72		
1.4	QPSK	3	1	23.64	23.82	23.87		
1.4	QPSK	3	3	23.68	23.59	23.53		
1.4	QPSK	6	0	22.70	22.75	22.76	24.5	1
1.4	16QAM	1	0	22.87	23.06	23.09	24.5	1
1.4	16QAM	1	3	23.07	22.95	22.79		
1.4	16QAM	1	5	22.74	22.85	22.87		
1.4	16QAM	3	0	22.80	23.00	22.91		
1.4	16QAM	3	1	22.98	22.81	22.58		
1.4	16QAM	3	3	22.55	22.66	22.69		
1.4	16QAM	6	0	21.64	21.99	21.81	23.5	2
1.4	64QAM	1	0	21.92	21.94	21.95	23.5	2
1.4	64QAM	1	3	22.12	21.93	21.94		
1.4	64QAM	1	5	21.82	21.84	21.77		
1.4	64QAM	3	0	21.92	21.79	21.99		
1.4	64QAM	3	1	21.99	21.85	21.94		
1.4	64QAM	3	3	21.90	21.93	21.68		
1.4	64QAM	6	0	20.86	20.89	20.80	22.5	3

Band 4 Ant1 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	24.04	24.16	23.92	25.5	0
20	QPSK	1	49	24.11	24.07	24.14		
20	QPSK	1	99	23.89	23.85	23.97		
20	QPSK	50	0	23.03	23.18	23.00	24.5	1
20	QPSK	50	24	23.08	23.15	23.06		
20	QPSK	50	50	23.16	23.08	22.97		
20	QPSK	100	0	23.05	23.09	23.00		
20	16QAM	1	0	23.17	23.23	23.04	24.5	1
20	16QAM	1	49	23.19	23.26	23.23		
20	16QAM	1	99	23.04	22.92	22.98		
20	16QAM	50	0	22.14	22.09	22.17	23.5	2
20	16QAM	50	24	22.32	22.22	22.14		
20	16QAM	50	50	22.25	22.21	22.11		
20	16QAM	100	0	22.26	22.06	21.95		
20	64QAM	1	0	21.94	22.23	21.97	23.5	2
20	64QAM	1	49	22.17	22.26	22.18		
20	64QAM	1	99	22.07	22.00	21.93		
20	64QAM	50	0	21.05	21.14	21.07	22.5	3
20	64QAM	50	24	21.22	21.03	21.08		
20	64QAM	50	50	21.18	21.11	20.96		
20	64QAM	100	0	21.21	21.15	21.04		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	23.85	24.07	23.89	25.5	0
15	QPSK	1	37	23.93	23.88	24.09		
15	QPSK	1	74	23.73	23.86	23.83		
15	QPSK	36	0	22.86	23.09	22.86	24.5	1
15	QPSK	36	20	23.04	22.95	23.00		
15	QPSK	36	39	22.95	22.98	22.76		
15	QPSK	75	0	22.94	23.09	22.94		
15	16QAM	1	0	23.00	23.17	23.03	24.5	1
15	16QAM	1	37	23.12	23.13	23.10		
15	16QAM	1	74	23.01	22.87	22.95		
15	16QAM	36	0	21.99	22.05	22.14	23.5	2
15	16QAM	36	20	22.19	22.13	22.00		
15	16QAM	36	39	22.10	22.02	21.90		
15	16QAM	75	0	22.16	21.99	21.87		
15	64QAM	1	0	21.93	22.15	21.96	23.5	2
15	64QAM	1	37	22.02	22.13	21.91		
15	64QAM	1	74	22.05	21.91	21.79		
15	64QAM	36	0	21.02	21.14	20.99	22.5	3
15	64QAM	36	20	21.12	21.00	20.95		
15	64QAM	36	39	21.11	20.91	20.90		
15	64QAM	75	0	21.12	21.00	21.06		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.03	24.02	23.79	25.5	0
10	QPSK	1	25	24.07	24.03	24.08		
10	QPSK	1	49	23.72	23.85	23.83		
10	QPSK	25	0	22.88	23.12	22.80	24.5	1
10	QPSK	25	12	22.87	23.04	22.91		
10	QPSK	25	25	22.95	22.88	22.88		
10	QPSK	50	0	23.00	22.99	22.98		
10	16QAM	1	0	23.07	23.23	22.93	24.5	1
10	16QAM	1	25	23.11	23.23	23.09		
10	16QAM	1	49	22.87	22.86	22.85		
10	16QAM	25	0	21.93	22.08	22.17	23.5	2
10	16QAM	25	12	22.11	22.18	22.12		
10	16QAM	25	25	22.11	22.07	22.11		
10	16QAM	50	0	22.16	22.03	21.81		
10	64QAM	1	0	21.87	22.06	21.90	23.5	2
10	64QAM	1	25	22.17	22.07	21.97		
10	64QAM	1	49	22.02	21.79	21.92		
10	64QAM	25	0	21.03	20.97	21.00	22.5	3
10	64QAM	25	12	21.09	20.85	21.07		
10	64QAM	25	25	21.12	20.90	20.98		
10	64QAM	50	0	21.02	21.12	20.89		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	23.85	23.95	23.71	25.5	0
5	QPSK	1	12	24.02	23.81	23.85		
5	QPSK	1	24	23.68	23.72	23.73		
5	QPSK	12	0	22.84	22.91	22.78	24.5	1
5	QPSK	12	7	22.77	22.90	22.85		
5	QPSK	12	13	23.06	22.77	22.81		
5	QPSK	25	0	22.87	23.00	22.79		
5	16QAM	1	0	22.99	23.11	22.89	24.5	1
5	16QAM	1	12	23.06	22.98	23.13		
5	16QAM	1	24	22.89	22.83	22.76		
5	16QAM	12	0	21.85	21.98	22.06	23.5	2
5	16QAM	12	7	22.10	21.92	22.04		
5	16QAM	12	13	22.00	22.01	21.82		
5	16QAM	25	0	22.04	21.97	21.86		
5	64QAM	1	0	21.80	22.02	21.69	23.5	2
5	64QAM	1	12	21.96	22.00	21.98		
5	64QAM	1	24	21.95	21.81	21.68		
5	64QAM	12	0	20.86	20.85	20.78	22.5	3
5	64QAM	12	7	21.12	20.91	20.92		
5	64QAM	12	13	21.00	20.91	20.86		
5	64QAM	25	0	21.06	20.86	20.82		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	23.90	23.91	23.63	25.5	0
3	QPSK	1	8	23.84	23.81	23.98		
3	QPSK	1	14	23.78	23.71	23.79		
3	QPSK	8	0	22.91	23.01	22.86	24.5	1
3	QPSK	8	4	22.83	22.87	22.86		
3	QPSK	8	7	23.05	22.84	22.83		
3	QPSK	15	0	22.89	22.84	22.70		
3	16QAM	1	0	22.95	22.95	22.91	24.5	1
3	16QAM	1	8	22.91	22.95	22.91		
3	16QAM	1	14	22.76	22.79	22.83		
3	16QAM	8	0	22.02	21.78	21.87	23.5	2
3	16QAM	8	4	22.11	22.02	21.91		
3	16QAM	8	7	22.05	21.91	21.84		
3	16QAM	15	0	21.95	21.89	21.77		
3	64QAM	1	0	21.77	22.00	21.71	23.5	2
3	64QAM	1	8	22.07	22.01	21.96		
3	64QAM	1	14	21.98	21.72	21.83		
3	64QAM	8	0	20.88	20.99	20.92	22.5	3
3	64QAM	8	4	21.10	20.76	20.97		
3	64QAM	8	7	21.00	20.89	20.78		
3	64QAM	15	0	20.97	20.97	20.79		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	23.80	24.04	23.76	25.5	0
1.4	QPSK	1	3	23.90	23.79	23.82		
1.4	QPSK	1	5	23.76	23.67	23.84		
1.4	QPSK	3	0	23.66	23.83	23.59		
1.4	QPSK	3	1	23.77	23.59	23.68		
1.4	QPSK	3	3	23.78	23.63	23.76		
1.4	QPSK	6	0	22.89	22.93	22.71	24.5	1
1.4	16QAM	1	0	23.02	23.14	22.93	24.5	1
1.4	16QAM	1	3	22.95	23.09	23.14		
1.4	16QAM	1	5	22.78	22.77	22.83		
1.4	16QAM	3	0	22.98	23.12	22.78		
1.4	16QAM	3	1	22.74	22.99	23.07		
1.4	16QAM	3	3	22.80	22.76	22.77		
1.4	16QAM	6	0	22.02	21.90	21.63	23.5	2
1.4	64QAM	1	0	21.81	22.04	21.86	23.5	2
1.4	64QAM	1	3	21.86	22.01	22.04		
1.4	64QAM	1	5	21.85	21.79	21.75		
1.4	64QAM	3	0	21.96	21.93	21.91		
1.4	64QAM	3	1	21.91	21.84	21.81		
1.4	64QAM	3	3	21.97	21.92	21.79		
1.4	64QAM	6	0	21.10	20.88	20.73	22.5	3

Band 5 Ant1 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.15	24.24	24.13	25.5	0
10	QPSK	1	25	24.13	24.03	24.14		
10	QPSK	1	49	24.10	24.05	24.09		
10	QPSK	25	0	23.18	23.25	23.17	24.5	1
10	QPSK	25	12	23.20	23.19	23.18		
10	QPSK	25	25	23.10	23.07	23.11		
10	QPSK	50	0	23.07	23.23	23.12		
10	16QAM	1	0	23.19	23.19	23.23	24.5	1
10	16QAM	1	25	23.33	23.22	23.28		
10	16QAM	1	49	23.24	23.19	23.09		
10	16QAM	25	0	22.06	22.12	22.06	23.5	2
10	16QAM	25	12	22.21	22.18	22.25		
10	16QAM	25	25	22.13	22.15	22.02		
10	16QAM	50	0	22.30	22.07	22.08		
10	64QAM	1	0	22.21	22.14	22.07	23.5	2
10	64QAM	1	25	22.16	21.97	22.18		
10	64QAM	1	49	22.15	22.18	22.08		
10	64QAM	25	0	21.10	20.96	21.14	22.5	3
10	64QAM	25	12	21.18	21.10	21.16		
10	64QAM	25	25	21.25	21.08	21.15		
10	64QAM	50	0	21.14	20.96	21.11		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.06	24.08	23.99	25.5	0
5	QPSK	1	12	24.09	23.93	24.05		
5	QPSK	1	24	24.03	23.93	23.90		
5	QPSK	12	0	23.13	23.23	23.07	24.5	1
5	QPSK	12	7	23.21	23.10	22.96		
5	QPSK	12	13	22.93	23.01	22.91		
5	QPSK	25	0	23.00	23.03	23.02		
5	16QAM	1	0	23.21	23.12	23.20	24.5	1
5	16QAM	1	12	23.24	23.23	23.28		
5	16QAM	1	24	23.09	23.20	22.93		
5	16QAM	12	0	21.94	22.10	21.86	23.5	2
5	16QAM	12	7	22.07	21.96	22.09		
5	16QAM	12	13	22.05	22.01	21.81		
5	16QAM	25	0	22.23	21.91	22.05		
5	64QAM	1	0	22.16	21.95	21.88	23.5	2
5	64QAM	1	12	22.17	21.82	22.04		
5	64QAM	1	24	22.06	22.14	21.92		
5	64QAM	12	0	21.00	20.91	20.97	22.5	3
5	64QAM	12	7	21.03	21.06	21.05		
5	64QAM	12	13	21.14	20.96	20.95		
5	64QAM	25	0	21.09	20.97	20.95		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.16	24.14	23.99	25.5	0
3	QPSK	1	8	24.05	23.99	24.16		
3	QPSK	1	14	24.05	23.85	24.05		
3	QPSK	8	0	22.97	23.23	23.13	24.5	1
3	QPSK	8	4	23.12	23.18	23.11		
3	QPSK	8	7	23.00	22.96	23.12		
3	QPSK	15	0	23.06	23.17	22.95		
3	16QAM	1	0	23.03	23.04	23.22	24.5	1
3	16QAM	1	8	23.21	23.04	23.20		
3	16QAM	1	14	23.25	23.08	22.93		
3	16QAM	8	0	22.02	22.11	22.04	23.5	2
3	16QAM	8	4	22.04	22.08	22.06		
3	16QAM	8	7	22.13	22.12	22.01		
3	16QAM	15	0	22.17	21.87	22.00		
3	64QAM	1	0	22.04	22.04	21.92	23.5	2
3	64QAM	1	8	21.96	21.81	22.16		
3	64QAM	1	14	22.05	22.02	21.98		
3	64QAM	8	0	20.96	20.95	21.00	22.5	3
3	64QAM	8	4	20.97	21.08	20.99		
3	64QAM	8	7	21.19	21.04	20.95		
3	64QAM	15	0	21.02	20.91	21.03		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.02	24.00	23.93	25.5	0
1.4	QPSK	1	3	24.00	23.79	23.84		
1.4	QPSK	1	5	23.81	23.83	23.90		
1.4	QPSK	3	0	23.93	23.99	23.72		
1.4	QPSK	3	1	23.99	23.64	23.74		
1.4	QPSK	3	3	23.73	23.66	23.90		
1.4	QPSK	6	0	22.80	22.91	22.89	24.5	1
1.4	16QAM	1	0	22.92	22.98	23.10	24.5	1
1.4	16QAM	1	3	23.21	22.98	23.19		
1.4	16QAM	1	5	22.95	22.93	22.94		
1.4	16QAM	3	0	22.76	22.94	23.04		
1.4	16QAM	3	1	23.04	22.89	23.09		
1.4	16QAM	3	3	22.84	22.74	22.74		
1.4	16QAM	6	0	22.19	21.91	21.86	23.5	2
1.4	64QAM	1	0	22.07	22.00	21.84	23.5	2
1.4	64QAM	1	3	21.93	21.76	22.08		
1.4	64QAM	1	5	22.06	21.99	21.96		
1.4	64QAM	3	0	21.82	21.74	21.92		
1.4	64QAM	3	1	21.94	21.79	22.03		
1.4	64QAM	3	3	22.10	21.92	22.03		
1.4	64QAM	6	0	20.92	20.76	21.01	22.5	3

Band 7 Ant1 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.57	21.71	21.31	23	0
20	QPSK	1	49	21.55	21.69	21.50		
20	QPSK	1	99	21.63	21.51	21.49		
20	QPSK	50	0	21.63	21.66	21.59	23	0
20	QPSK	50	24	21.63	21.65	21.43		
20	QPSK	50	50	21.59	21.61	21.44		
20	QPSK	100	0	21.57	21.61	21.46		
20	16QAM	1	0	21.61	21.64	21.38	23	0
20	16QAM	1	49	21.66	21.69	21.45		
20	16QAM	1	99	21.65	21.55	21.50		
20	16QAM	50	0	21.69	21.55	21.62	23	0
20	16QAM	50	24	21.67	21.64	21.39		
20	16QAM	50	50	21.63	21.51	21.42		
20	16QAM	100	0	21.65	21.51	21.56		
20	64QAM	1	0	21.55	21.66	21.46	23	0
20	64QAM	1	49	21.56	21.66	21.36		
20	64QAM	1	99	21.57	21.58	21.57		
20	64QAM	50	0	21.14	21.21	21.16	22.5	0.5
20	64QAM	50	24	21.19	21.20	20.92		
20	64QAM	50	50	21.04	21.03	20.98		
20	64QAM	100	0	21.17	21.23	21.05		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.46	21.63	21.24	23	0
15	QPSK	1	37	21.60	21.69	21.41		
15	QPSK	1	74	21.65	21.52	21.47		
15	QPSK	36	0	21.69	21.50	21.45	23	0
15	QPSK	36	20	21.64	21.62	21.31		
15	QPSK	36	39	21.53	21.53	21.31		
15	QPSK	75	0	21.62	21.62	21.51		
15	16QAM	1	0	21.56	21.70	21.37	23	0
15	16QAM	1	37	21.69	21.68	21.44		
15	16QAM	1	74	21.65	21.55	21.45		
15	16QAM	36	0	21.54	21.53	21.62	23	0
15	16QAM	36	20	21.68	21.47	21.38		
15	16QAM	36	39	21.65	21.47	21.30		
15	16QAM	75	0	21.59	21.53	21.48		
15	64QAM	1	0	21.56	21.56	21.36	23	0
15	64QAM	1	37	21.41	21.50	21.35		
15	64QAM	1	74	21.44	21.46	21.62		
15	64QAM	36	0	21.05	21.11	21.19	22.5	0.5
15	64QAM	36	20	21.20	21.02	20.81		
15	64QAM	36	39	21.02	20.90	21.03		
15	64QAM	75	0	21.20	21.19	21.00		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.58	21.66	21.16	23	0
10	QPSK	1	25	21.40	21.64	21.51		
10	QPSK	1	49	21.57	21.54	21.35		
10	QPSK	25	0	21.64	21.60	21.64	23	0
10	QPSK	25	12	21.53	21.58	21.38		
10	QPSK	25	25	21.51	21.64	21.36		
10	QPSK	50	0	21.55	21.61	21.32		
10	16QAM	1	0	21.54	21.50	21.40	23	0
10	16QAM	1	25	21.65	21.68	21.33		
10	16QAM	1	49	21.69	21.50	21.38		
10	16QAM	25	0	21.55	21.43	21.55	23	0
10	16QAM	25	12	21.61	21.51	21.43		
10	16QAM	25	25	21.57	21.35	21.40		
10	16QAM	50	0	21.53	21.37	21.43		
10	64QAM	1	0	21.38	21.65	21.42	23	0
10	64QAM	1	25	21.52	21.69	21.30		
10	64QAM	1	49	21.49	21.42	21.42		
10	64QAM	25	0	21.00	21.23	21.16	22.5	0.5
10	64QAM	25	12	21.23	21.24	20.93		
10	64QAM	25	25	20.87	21.01	20.82		
10	64QAM	50	0	21.22	21.21	21.00		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.57	21.53	21.34	23	0
5	QPSK	1	12	21.48	21.55	21.47		
5	QPSK	1	24	21.56	21.40	21.38		
5	QPSK	12	0	21.62	21.52	21.61	23	0
5	QPSK	12	7	21.53	21.68	21.44		
5	QPSK	12	13	21.62	21.56	21.32		
5	QPSK	25	0	21.61	21.59	21.51		
5	16QAM	1	0	21.46	21.63	21.40	23	0
5	16QAM	1	12	21.64	21.58	21.49		
5	16QAM	1	24	21.67	21.50	21.38		
5	16QAM	12	0	21.62	21.61	21.56	23	0
5	16QAM	12	7	21.69	21.57	21.40		
5	16QAM	12	13	21.62	21.56	21.25		
5	16QAM	25	0	21.63	21.48	21.38		
5	64QAM	1	0	21.54	21.64	21.36	23	0
5	64QAM	1	12	21.44	21.49	21.27		
5	64QAM	1	24	21.46	21.59	21.62		
5	64QAM	12	0	21.10	21.04	21.13	22.5	0.5
5	64QAM	12	7	21.08	21.07	20.96		
5	64QAM	12	13	21.09	21.03	20.99		
5	64QAM	25	0	21.00	21.07	21.09		

Band 38 Ant1 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.80	23.92	23.64	25.5	0
20	QPSK	1	49	23.79	23.68	23.88		
20	QPSK	1	99	23.85	23.75	23.76		
20	QPSK	50	0	22.82	23.01	22.76	24.5	1
20	QPSK	50	24	22.93	22.94	22.92		
20	QPSK	50	50	22.96	22.88	22.88		
20	QPSK	100	0	22.88	22.95	22.82		
20	16QAM	1	0	23.13	23.10	23.04	24.5	1
20	16QAM	1	49	23.32	23.28	23.25		
20	16QAM	1	99	23.19	23.09	23.10		
20	16QAM	50	0	21.96	22.01	21.99	23.5	2
20	16QAM	50	24	22.06	22.11	22.05		
20	16QAM	50	50	22.01	22.04	22.01		
20	16QAM	100	0	21.95	21.86	21.86		
20	64QAM	1	0	21.98	21.98	22.02	23.5	2
20	64QAM	1	49	22.18	22.26	22.10		
20	64QAM	1	99	22.04	21.97	21.97		
20	64QAM	50	0	20.85	20.93	20.93	22.5	3
20	64QAM	50	24	21.04	20.99	21.06		
20	64QAM	50	50	20.97	20.95	20.88		
20	64QAM	100	0	20.99	20.99	20.87		
Channel				37925	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.65	23.88	23.61	25.5	0
15	QPSK	1	37	23.81	23.61	23.82		
15	QPSK	1	74	23.79	23.58	23.69		
15	QPSK	36	0	22.73	22.81	22.60	24.5	1
15	QPSK	36	20	22.87	22.84	22.84		
15	QPSK	36	39	22.85	22.76	22.87		
15	QPSK	75	0	22.71	22.73	22.73		
15	16QAM	1	0	22.97	23.10	23.02	24.5	1
15	16QAM	1	37	23.22	23.16	23.09		
15	16QAM	1	74	22.99	22.88	23.00		
15	16QAM	36	0	21.77	21.90	21.78	23.5	2
15	16QAM	36	20	21.90	22.04	22.06		
15	16QAM	36	39	21.82	21.83	22.00		
15	16QAM	75	0	21.87	21.78	21.79		
15	64QAM	1	0	21.91	21.88	21.94	23.5	2
15	64QAM	1	37	21.99	22.10	21.90		
15	64QAM	1	74	21.98	21.96	21.97		
15	64QAM	36	0	20.66	20.79	20.89	22.5	3
15	64QAM	36	20	21.05	20.90	20.96		
15	64QAM	36	39	20.79	20.96	20.75		
15	64QAM	75	0	21.00	20.94	20.79		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.74	23.81	23.63	25.5	0
10	QPSK	1	25	23.66	23.60	23.72		
10	QPSK	1	49	23.86	23.73	23.60		
10	QPSK	25	0	22.69	22.92	22.64	24.5	1
10	QPSK	25	12	22.89	22.73	22.76		
10	QPSK	25	25	22.77	22.79	22.76		
10	QPSK	50	0	22.74	22.74	22.73		
10	16QAM	1	0	22.93	23.10	23.04	24.5	1
10	16QAM	1	25	23.18	23.29	23.17		
10	16QAM	1	49	23.06	22.99	22.94		
10	16QAM	25	0	21.82	21.92	21.97	23.5	2
10	16QAM	25	12	21.92	22.02	21.93		
10	16QAM	25	25	21.88	22.03	21.94		
10	16QAM	50	0	21.87	21.82	21.85		
10	64QAM	1	0	21.92	21.90	21.91	23.5	2
10	64QAM	1	25	22.04	22.19	22.02		
10	64QAM	1	49	21.91	21.96	21.98		
10	64QAM	25	0	20.68	20.84	20.75	22.5	3
10	64QAM	25	12	20.86	20.81	21.02		
10	64QAM	25	25	20.79	20.73	20.90		
10	64QAM	50	0	20.99	21.00	20.83		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.56	23.74	23.57	25.5	0
5	QPSK	1	12	23.57	23.50	23.77		
5	QPSK	1	24	23.66	23.60	23.57		
5	QPSK	12	0	22.62	22.76	22.58	24.5	1
5	QPSK	12	7	22.66	22.72	22.68		
5	QPSK	12	13	22.80	22.70	22.61		
5	QPSK	25	0	22.59	22.68	22.72		
5	16QAM	1	0	23.00	22.81	22.89	24.5	1
5	16QAM	1	12	23.13	23.06	22.95		
5	16QAM	1	24	22.92	22.88	22.96		
5	16QAM	12	0	21.65	21.89	21.88	23.5	2
5	16QAM	12	7	21.93	21.91	21.86		
5	16QAM	12	13	21.78	21.83	21.79		
5	16QAM	25	0	21.87	21.61	21.71		
5	64QAM	1	0	21.79	21.80	21.88	23.5	2
5	64QAM	1	12	22.02	22.13	21.88		
5	64QAM	1	24	21.89	21.82	21.74		
5	64QAM	12	0	20.65	20.79	20.78	22.5	3
5	64QAM	12	7	20.94	20.86	20.87		
5	64QAM	12	13	20.81	20.64	20.58		
5	64QAM	25	0	20.79	20.73	20.78		

Band 41 (2.6G Band) Ant1 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	23.66	23.67	24.00	23.63	25.5	0
20	QPSK	1	49	23.79	23.64	23.69	23.73		
20	QPSK	1	99	23.58	23.69	23.66	23.57		
20	QPSK	50	0	22.67	22.50	22.90	22.74	24.5	1
20	QPSK	50	24	22.67	22.72	22.67	22.84		
20	QPSK	50	50	22.65	22.75	22.72	22.55		
20	QPSK	100	0	22.56	22.57	22.86	22.66		
20	16QAM	1	0	23.08	22.73	22.95	22.90	24.5	1
20	16QAM	1	49	22.83	22.71	22.83	22.78		
20	16QAM	1	99	22.95	22.94	22.93	22.93		
20	16QAM	50	0	21.68	21.86	21.90	21.80	23.5	2
20	16QAM	50	24	21.81	21.87	21.90	21.86		
20	16QAM	50	50	22.00	21.86	21.75	21.83		
20	16QAM	100	0	21.70	21.82	21.87	21.89		
20	64QAM	1	0	21.84	21.91	21.95	21.94	23.5	2
20	64QAM	1	49	22.07	22.07	22.20	21.97		
20	64QAM	1	99	22.02	21.96	21.97	22.03		
20	64QAM	50	0	20.63	20.57	20.69	20.76	22.5	3
20	64QAM	50	24	20.70	20.73	20.80	20.84		
20	64QAM	50	50	20.82	20.70	20.93	20.83		
20	64QAM	100	0	20.73	20.69	20.81	20.69		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	23.66	23.51	23.82	23.63	25.5	0
15	QPSK	1	37	23.75	23.54	23.68	23.61		
15	QPSK	1	74	23.80	23.68	23.65	23.55		
15	QPSK	36	0	22.50	22.65	22.83	22.70	24.5	1
15	QPSK	36	20	22.63	22.73	22.60	22.67		
15	QPSK	36	39	22.58	22.55	22.70	22.71		
15	QPSK	75	0	22.64	22.53	22.58	22.50		
15	16QAM	1	0	22.90	22.59	22.74	22.69	24.5	1
15	16QAM	1	37	22.75	22.66	22.74	22.65		
15	16QAM	1	74	22.96	22.82	22.89	22.84		
15	16QAM	36	0	21.67	21.71	21.76	21.71	23.5	2
15	16QAM	36	20	21.64	21.70	21.85	21.75		
15	16QAM	36	39	21.79	21.70	21.74	21.69		
15	16QAM	75	0	21.76	21.68	21.83	21.74		
15	64QAM	1	0	21.75	21.87	21.92	21.82	23.5	2
15	64QAM	1	37	21.92	22.06	22.04	21.83		
15	64QAM	1	74	21.89	21.89	21.87	21.86		
15	64QAM	36	0	20.70	20.60	20.64	20.75	22.5	3
15	64QAM	36	20	20.57	20.70	20.65	20.84		
15	64QAM	36	39	20.78	20.64	20.91	20.66		
15	64QAM	75	0	20.69	20.53	20.82	20.56		
Channel				40090	40390	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	23.56	23.53	23.67	23.51	25.5	0
10	QPSK	1	25	23.76	23.62	23.71	23.52		
10	QPSK	1	49	23.70	23.58	23.54	23.70		
10	QPSK	25	0	22.55	22.56	22.91	22.55	24.5	1
10	QPSK	25	12	22.59	22.62	22.69	22.82		
10	QPSK	25	25	22.50	22.70	22.71	22.52		
10	QPSK	50	0	22.54	22.54	22.72	22.57		
10	16QAM	1	0	23.01	22.69	22.76	22.89	24.5	1
10	16QAM	1	25	22.77	22.51	22.62	22.67		
10	16QAM	1	49	22.82	22.89	22.94	22.89		
10	16QAM	25	0	21.52	21.72	21.86	21.74	23.5	2
10	16QAM	25	12	21.69	21.81	21.87	21.66		
10	16QAM	25	25	21.90	21.74	21.71	21.69		
10	16QAM	50	0	21.59	21.64	21.83	21.80		
10	64QAM	1	0	21.68	21.71	21.90	21.74	23.5	2
10	64QAM	1	25	22.01	22.00	22.15	21.82		
10	64QAM	1	49	21.84	21.81	21.79	21.87		
10	64QAM	25	0	20.57	20.69	20.52	20.75	22.5	3
10	64QAM	25	12	20.69	20.66	20.79	20.75		
10	64QAM	25	25	20.79	20.52	20.92	20.85		
10	64QAM	50	0	20.62	20.59	20.60	20.64		
Channel				40065	40365	40705	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	23.50	23.66	23.77	23.56	25.5	0
5	QPSK	1	12	23.58	23.61	23.54	23.58		
5	QPSK	1	24	23.50	23.64	23.65	23.53		
5	QPSK	12	0	22.50	22.59	22.70	22.58	24.5	1
5	QPSK	12	7	22.57	22.60	22.55	22.66		
5	QPSK	12	13	22.70	22.63	22.51	22.62		
5	QPSK	25	0	22.53	22.60	22.82	22.66		
5	16QAM	1	0	22.90	22.71	22.92	22.73	24.5	1
5	16QAM	1	12	22.72	22.68	22.70	22.65		
5	16QAM	1	24	22.82	22.94	22.74	22.78		
5	16QAM	12	0	21.51	21.72	21.89	21.68	23.5	2
5	16QAM	12	7	21.66	21.83	21.80	21.83		
5	16QAM	12	13	21.86	21.76	21.76	21.71		
5	16QAM	25	0	21.63	21.81	21.74	21.87		
5	64QAM	1	0	21.81	21.86	21.93	21.73	23.5	2
5	64QAM	1	12	21.87	22.07	22.15	21.75		
5	64QAM	1	24	21.91	21.78	21.80	21.97		
5	64QAM	12	0	20.54	20.66	20.60	20.61	22.5	3
5	64QAM	12	7	20.63	20.65	20.65	20.72		
5	64QAM	12	13	20.72	20.53	20.75	20.85		
5	64QAM	25	0	20.71	20.66	20.59	20.58		

GSM850 Ant 2 DSI2

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

GSM1900 Ant 2 DSI2

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

		WCDMA II Ant 2 DSI2				WCDMA IV Ant 2 DSI2				WCDMA V Ant 2 DSI2			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.57	22.62	22.59	23.50	22.94	23.19	22.87	24.00	24.44	24.50	24.46	25.50
3GPP Rel 99	RMC 12.2Kbps	22.69	22.72	22.61	23.50	23.17	23.20	23.11	24.00	24.56	24.59	24.53	25.50
3GPP Rel 6	HSDPA Subtest-1	21.66	21.68	21.71	22.50	22.02	22.24	22.08	23.00	23.56	23.49	23.58	24.50
3GPP Rel 6	HSDPA Subtest-2	21.64	21.56	21.66	22.50	21.82	22.05	21.86	23.00	23.49	23.38	23.42	24.50
3GPP Rel 6	HSDPA Subtest-3	21.10	21.01	21.16	22.50	21.35	21.58	21.30	23.00	23.01	22.90	22.94	24.50
3GPP Rel 6	HSDPA Subtest-4	21.16	21.12	21.00	22.50	21.52	21.56	21.23	23.00	23.03	22.90	22.92	24.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.48	21.59	21.65	23.00	21.95	22.30	21.87	23.50	23.45	23.53	23.69	25.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.62	21.64	21.62	23.00	21.89	21.98	22.08	23.50	23.51	23.49	23.32	25.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.02	21.02	20.91	22.50	21.50	21.55	21.25	23.00	22.97	22.97	22.85	24.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.06	21.21	20.94	22.50	21.29	21.68	21.44	23.00	22.91	23.00	23.01	24.50
3GPP Rel 6	HSUPA Subtest-1	19.67	19.78	19.58	21.00	19.88	20.25	19.98	21.50	21.52	21.43	21.49	23.00
3GPP Rel 6	HSUPA Subtest-2	19.68	19.64	19.71	21.00	19.93	20.18	20.07	21.50	21.49	21.43	21.40	23.00
3GPP Rel 6	HSUPA Subtest-3	20.67	20.69	20.74	22.00	20.95	21.34	20.98	22.50	22.52	22.38	22.48	24.00
3GPP Rel 6	HSUPA Subtest-4	19.20	19.27	19.31	20.50	19.58	19.77	19.32	21.00	20.97	20.90	20.95	22.50
3GPP Rel 6	HSUPA Subtest-5	20.79	20.60	20.71	22.00	21.00	21.08	20.97	22.50	22.37	22.37	22.37	24.00

Band 2 Ant2 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	22.34	22.48	22.27	23.5	0
20	QPSK	1	49	22.38	22.27	22.20		
20	QPSK	1	99	22.31	22.20	22.21		
20	QPSK	50	0	22.07	22.26	22.10	23.5	0
20	QPSK	50	24	22.23	22.25	22.07		
20	QPSK	50	50	21.92	22.15	22.20		
20	QPSK	100	0	22.11	22.16	22.02		
20	16QAM	1	0	22.23	22.26	22.25	23.5	0
20	16QAM	1	49	21.97	22.05	22.09		
20	16QAM	1	99	22.17	21.99	22.02		
20	16QAM	50	0	21.86	22.18	21.96	23.5	0
20	16QAM	50	24	21.82	21.89	22.13		
20	16QAM	50	50	22.01	22.15	22.14		
20	16QAM	100	0	22.20	21.87	22.09		
20	64QAM	1	0	22.00	21.92	21.83	23.5	0
20	64QAM	1	49	22.07	22.01	21.95		
20	64QAM	1	99	21.88	22.03	22.09		
20	64QAM	50	0	20.80	20.97	20.88	22.5	1
20	64QAM	50	24	21.11	21.13	20.94		
20	64QAM	50	50	20.98	21.06	21.09		
20	64QAM	100	0	20.76	20.95	20.97		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	22.08	22.30	22.04	23.5	0
15	QPSK	1	37	22.08	22.13	22.02		
15	QPSK	1	74	21.93	22.03	22.06		
15	QPSK	36	0	22.02	22.05	21.91	23.5	0
15	QPSK	36	20	22.09	22.23	21.87		
15	QPSK	36	39	21.83	21.96	22.04		
15	QPSK	75	0	21.97	21.97	21.89		
15	16QAM	1	0	22.16	22.12	22.15	23.5	0
15	16QAM	1	37	21.82	21.84	21.98		
15	16QAM	1	74	22.12	21.82	22.02		
15	16QAM	36	0	21.73	22.15	21.91	23.5	0
15	16QAM	36	20	21.76	21.75	22.01		
15	16QAM	36	39	21.97	21.99	22.08		
15	16QAM	75	0	22.09	21.78	21.90		
15	64QAM	1	0	21.94	21.88	21.75	23.5	0
15	64QAM	1	37	21.87	21.95	21.91		
15	64QAM	1	74	21.80	21.95	21.91		
15	64QAM	36	0	20.80	20.84	20.84	22.5	1
15	64QAM	36	20	20.94	20.96	20.86		
15	64QAM	36	39	20.87	20.91	21.09		
15	64QAM	75	0	20.78	20.97	20.79		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	21.93	22.30	22.09	23.5	0
10	QPSK	1	25	22.10	22.21	22.17		
10	QPSK	1	49	21.82	22.09	22.09		
10	QPSK	25	0	22.05	22.10	21.92	23.5	0
10	QPSK	25	12	22.02	22.19	21.98		
10	QPSK	25	25	21.85	21.95	21.99		
10	QPSK	50	0	22.01	21.96	21.88		
10	16QAM	1	0	22.10	22.27	22.04	23.5	0
10	16QAM	1	25	21.78	21.83	21.94		
10	16QAM	1	49	22.06	21.84	21.89		
10	16QAM	25	0	21.78	22.07	21.85	23.5	0
10	16QAM	25	12	21.82	21.76	22.05		
10	16QAM	25	25	21.89	22.09	22.04		
10	16QAM	50	0	21.99	21.73	22.07		
10	64QAM	1	0	21.93	21.73	21.66	23.5	0
10	64QAM	1	25	22.00	21.85	21.95		
10	64QAM	1	49	21.78	21.97	21.99		
10	64QAM	25	0	20.69	20.81	20.68	22.5	1
10	64QAM	25	12	21.02	21.08	20.85		
10	64QAM	25	25	20.93	20.93	20.87		
10	64QAM	50	0	20.54	20.88	20.84		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	21.93	22.24	22.04	23.5	0
5	QPSK	1	12	22.07	22.25	22.21		
5	QPSK	1	24	21.88	22.13	22.20		
5	QPSK	12	0	22.08	22.27	21.90	23.5	0
5	QPSK	12	7	22.02	22.17	22.07		
5	QPSK	12	13	21.92	22.08	22.14		
5	QPSK	25	0	22.10	22.05	21.84		
5	16QAM	1	0	22.21	22.17	22.04	23.5	0
5	16QAM	1	12	21.84	21.86	22.10		
5	16QAM	1	24	22.18	21.94	21.92		
5	16QAM	12	0	21.68	21.98	21.83	23.5	0
5	16QAM	12	7	21.69	21.87	22.12		
5	16QAM	12	13	22.00	22.07	22.13		
5	16QAM	25	0	22.06	21.75	22.05		
5	64QAM	1	0	22.01	21.81	21.72	23.5	0
5	64QAM	1	12	22.00	21.93	21.75		
5	64QAM	1	24	21.77	22.03	22.09		
5	64QAM	12	0	20.81	20.85	20.85	22.5	1
5	64QAM	12	7	21.02	20.91	20.88		
5	64QAM	12	13	20.79	20.91	20.95		
5	64QAM	25	0	20.67	20.76	20.76		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	22.07	22.18	21.96	23.5	0
3	QPSK	1	8	22.10	22.18	21.99		
3	QPSK	1	14	21.92	22.09	22.11		
3	QPSK	8	0	22.04	22.07	21.96	23.5	0
3	QPSK	8	4	22.19	22.08	21.94		
3	QPSK	8	7	22.13	21.96	22.21		
3	QPSK	15	0	21.96	22.05	21.88		
3	16QAM	1	0	22.11	22.23	22.08	23.5	0
3	16QAM	1	8	21.88	22.01	22.03		
3	16QAM	1	14	21.99	21.82	22.04		
3	16QAM	8	0	21.88	22.06	21.83	23.5	0
3	16QAM	8	4	21.78	21.85	22.01		
3	16QAM	8	7	21.93	22.13	21.98		
3	16QAM	15	0	22.05	21.73	22.07		
3	64QAM	1	0	21.86	21.94	21.78	23.5	0
3	64QAM	1	8	22.02	21.99	21.89		
3	64QAM	1	14	21.66	21.98	22.02		
3	64QAM	8	0	20.70	20.86	20.80	22.5	1
3	64QAM	8	4	20.93	21.12	20.82		
3	64QAM	8	7	20.94	20.89	21.02		
3	64QAM	15	0	20.68	20.80	20.85		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	21.92	22.09	21.96	23.5	0
1.4	QPSK	1	3	22.07	22.22	22.20		
1.4	QPSK	1	5	22.01	22.20	22.20		
1.4	QPSK	3	0	22.07	22.17	21.90		
1.4	QPSK	3	1	22.04	22.23	21.98		
1.4	QPSK	3	3	21.78	22.15	22.08		
1.4	QPSK	6	0	21.93	22.08	21.97	23.5	0
1.4	16QAM	1	0	22.03	22.16	22.04	23.5	0
1.4	16QAM	1	3	21.95	22.06	21.89		
1.4	16QAM	1	5	22.15	21.80	21.83		
1.4	16QAM	3	0	21.88	22.16	21.90		
1.4	16QAM	3	1	21.83	21.78	22.12		
1.4	16QAM	3	3	21.95	21.98	22.00		
1.4	16QAM	6	0	22.06	21.79	21.99	23.5	0
1.4	64QAM	1	0	21.97	21.83	21.66	23.5	0
1.4	64QAM	1	3	22.05	21.98	21.93		
1.4	64QAM	1	5	21.74	21.86	22.02		
1.4	64QAM	3	0	21.81	21.94	21.83		
1.4	64QAM	3	1	22.08	22.02	21.86		
1.4	64QAM	3	3	21.91	21.86	22.04		
1.4	64QAM	6	0	20.66	20.79	20.87	22.5	1

Band 4 Ant2 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	24.26	24.35	24.10	25.5	0
20	QPSK	1	49	24.21	24.33	24.25		
20	QPSK	1	99	24.18	24.14	24.07		
20	QPSK	50	0	23.26	23.41	23.25	24.5	1
20	QPSK	50	24	23.35	23.37	23.33		
20	QPSK	50	50	23.40	23.32	23.20		
20	QPSK	100	0	23.31	23.32	23.22		
20	16QAM	1	0	23.59	23.54	23.43	24.5	1
20	16QAM	1	49	23.58	23.61	23.57		
20	16QAM	1	99	23.42	23.37	23.39		
20	16QAM	50	0	22.35	22.36	22.32	23.5	2
20	16QAM	50	24	22.54	22.46	22.40		
20	16QAM	50	50	22.48	22.41	22.29		
20	16QAM	100	0	22.41	22.37	22.26		
20	64QAM	1	0	22.47	22.45	22.32	23.5	2
20	64QAM	1	49	22.36	22.42	22.48		
20	64QAM	1	99	22.30	22.23	22.20		
20	64QAM	50	0	21.32	21.35	21.31	22.5	3
20	64QAM	50	24	21.50	21.47	21.38		
20	64QAM	50	50	21.47	21.41	21.26		
20	64QAM	100	0	21.41	21.38	21.28		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	24.25	24.24	24.15	25.5	0
15	QPSK	1	37	24.31	24.34	24.28		
15	QPSK	1	74	24.28	24.12	24.15		
15	QPSK	36	0	23.31	23.38	23.20	24.5	1
15	QPSK	36	20	23.42	23.30	23.27		
15	QPSK	36	39	23.31	23.36	23.25		
15	QPSK	75	0	23.33	23.25	23.29		
15	16QAM	1	0	23.44	23.33	23.47	24.5	1
15	16QAM	1	37	23.45	23.39	23.56		
15	16QAM	1	74	23.39	23.25	23.41		
15	16QAM	36	0	22.44	22.43	22.35	23.5	2
15	16QAM	36	20	22.50	22.39	22.30		
15	16QAM	36	39	22.44	22.38	22.33		
15	16QAM	75	0	22.41	22.41	22.39		
15	64QAM	1	0	22.45	22.36	22.23	23.5	2
15	64QAM	1	37	22.37	22.34	22.35		
15	64QAM	1	74	22.46	22.36	22.34		
15	64QAM	36	0	21.46	21.43	21.34	22.5	3
15	64QAM	36	20	21.42	21.30	21.36		
15	64QAM	36	39	21.39	21.31	21.26		
15	64QAM	75	0	21.30	21.36	21.40		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.32	24.26	24.19	25.5	0
10	QPSK	1	25	24.28	24.31	24.27		
10	QPSK	1	49	24.25	24.16	24.09		
10	QPSK	25	0	23.37	23.29	23.27	24.5	1
10	QPSK	25	12	23.49	23.35	23.28		
10	QPSK	25	25	23.45	23.26	23.18		
10	QPSK	50	0	23.42	23.31	23.19		
10	16QAM	1	0	23.36	23.43	23.32	24.5	1
10	16QAM	1	25	23.52	23.55	23.23		
10	16QAM	1	49	23.32	23.49	23.41		
10	16QAM	25	0	22.45	22.37	22.20	23.5	2
10	16QAM	25	12	22.55	22.54	22.32		
10	16QAM	25	25	22.49	22.34	22.28		
10	16QAM	50	0	22.44	22.40	22.28		
10	64QAM	1	0	22.35	22.43	22.36	23.5	2
10	64QAM	1	25	22.28	22.27	22.38		
10	64QAM	1	49	22.26	22.31	22.15		
10	64QAM	25	0	21.37	21.46	21.30	22.5	3
10	64QAM	25	12	21.52	21.41	21.45		
10	64QAM	25	25	21.48	21.32	21.23		
10	64QAM	50	0	21.56	21.45	21.36		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	24.31	24.27	24.17	25.5	0
5	QPSK	1	12	24.24	24.25	24.21		
5	QPSK	1	24	24.25	24.12	24.17		
5	QPSK	12	0	23.35	23.32	23.21	24.5	1
5	QPSK	12	7	23.44	23.35	23.26		
5	QPSK	12	13	23.43	23.22	23.22		
5	QPSK	25	0	23.38	23.26	23.15		
5	16QAM	1	0	23.28	23.43	23.41	24.5	1
5	16QAM	1	12	23.32	23.39	23.33		
5	16QAM	1	24	23.29	23.34	23.34		
5	16QAM	12	0	22.42	22.29	22.33	23.5	2
5	16QAM	12	7	22.48	22.47	22.27		
5	16QAM	12	13	22.42	22.37	22.33		
5	16QAM	25	0	22.45	22.39	22.27		
5	64QAM	1	0	22.39	22.21	22.07	23.5	2
5	64QAM	1	12	22.19	22.30	22.25		
5	64QAM	1	24	22.28	22.37	22.17		
5	64QAM	12	0	21.47	21.44	21.21	22.5	3
5	64QAM	12	7	21.49	21.40	21.29		
5	64QAM	12	13	21.42	21.36	21.31		
5	64QAM	25	0	21.41	21.39	21.27		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	24.10	23.97	23.83	25.5	0
3	QPSK	1	8	24.21	24.03	23.97		
3	QPSK	1	14	24.13	23.99	23.88		
3	QPSK	8	0	23.32	23.19	23.08	24.5	1
3	QPSK	8	4	23.39	23.29	23.27		
3	QPSK	8	7	23.41	23.26	23.11		
3	QPSK	15	0	23.25	23.29	23.13		
3	16QAM	1	0	23.24	23.29	22.99	24.5	1
3	16QAM	1	8	23.23	23.09	23.24		
3	16QAM	1	14	23.19	23.17	23.29		
3	16QAM	8	0	22.32	22.34	22.16	23.5	2
3	16QAM	8	4	22.46	22.27	22.32		
3	16QAM	8	7	22.38	22.34	22.27		
3	16QAM	15	0	22.30	22.19	22.31		
3	64QAM	1	0	22.38	22.13	22.04	23.5	2
3	64QAM	1	8	22.22	22.27	22.25		
3	64QAM	1	14	22.34	22.03	22.09		
3	64QAM	8	0	21.40	21.21	21.28	22.5	3
3	64QAM	8	4	21.50	21.41	21.23		
3	64QAM	8	7	21.50	21.26	21.29		
3	64QAM	15	0	21.32	21.43	21.12		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.24	24.23	23.92	25.5	0
1.4	QPSK	1	3	24.28	24.12	24.05		
1.4	QPSK	1	5	24.07	24.08	23.91		
1.4	QPSK	3	0	24.21	24.16	24.07		
1.4	QPSK	3	1	24.15	24.24	24.11		
1.4	QPSK	3	3	24.31	24.23	24.14		
1.4	QPSK	6	0	23.26	23.34	23.31	25.5	0
1.4	16QAM	1	0	23.41	23.29	23.25	25.5	0
1.4	16QAM	1	3	23.35	23.36	23.23		
1.4	16QAM	1	5	23.24	23.33	23.33		
1.4	16QAM	3	0	23.44	23.18	23.28		
1.4	16QAM	3	1	23.42	23.17	23.14		
1.4	16QAM	3	3	23.48	23.30	23.11		
1.4	16QAM	6	0	22.48	22.35	22.44	25.5	0
1.4	64QAM	1	0	22.34	22.26	22.04	25.5	0
1.4	64QAM	1	3	22.24	22.22	22.25		
1.4	64QAM	1	5	22.14	22.07	22.19		
1.4	64QAM	3	0	22.37	22.34	22.25		
1.4	64QAM	3	1	22.43	22.31	22.31		
1.4	64QAM	3	3	22.36	22.30	22.21		
1.4	64QAM	6	0	21.40	21.31	21.29	24.5	1

Band 5 Ant2 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.33	24.46	24.30	25.5	0
10	QPSK	1	25	24.34	24.36	24.40		
10	QPSK	1	49	24.32	24.34	24.34		
10	QPSK	25	0	23.37	23.44	23.28	24.5	1
10	QPSK	25	12	23.34	23.42	23.37		
10	QPSK	25	25	23.41	23.36	23.39		
10	QPSK	50	0	23.34	23.43	23.41		
10	16QAM	1	0	23.56	23.53	23.53	24.5	1
10	16QAM	1	25	23.64	23.60	23.59		
10	16QAM	1	49	23.52	23.56	23.45		
10	16QAM	25	0	22.40	22.23	22.40	23.5	2
10	16QAM	25	12	22.39	22.37	22.45		
10	16QAM	25	25	22.42	22.32	22.30		
10	16QAM	50	0	22.44	22.31	22.38		
10	64QAM	1	0	22.48	22.43	22.38	23.5	2
10	64QAM	1	25	22.54	22.48	22.48		
10	64QAM	1	49	22.43	22.46	22.39		
10	64QAM	25	0	21.40	21.23	21.39	22.5	3
10	64QAM	25	12	21.40	21.37	21.43		
10	64QAM	25	25	21.41	21.31	21.31		
10	64QAM	50	0	21.41	21.29	21.37		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.10	24.28	24.33	25.5	0
5	QPSK	1	12	24.23	24.34	24.31		
5	QPSK	1	24	24.21	24.21	24.21		
5	QPSK	12	0	23.29	23.24	23.29	24.5	1
5	QPSK	12	7	23.33	23.34	23.29		
5	QPSK	12	13	23.21	23.28	23.37		
5	QPSK	25	0	23.28	23.26	23.28		
5	16QAM	1	0	23.35	23.33	23.36	24.5	1
5	16QAM	1	12	23.49	23.46	23.18		
5	16QAM	1	24	23.24	23.26	23.30		
5	16QAM	12	0	22.31	22.19	22.21	23.5	2
5	16QAM	12	7	22.30	22.34	22.33		
5	16QAM	12	13	22.19	22.19	22.27		
5	16QAM	25	0	22.33	22.11	22.19		
5	64QAM	1	0	22.28	22.11	22.17	23.5	2
5	64QAM	1	12	22.24	22.40	22.39		
5	64QAM	1	24	22.33	22.29	22.28		
5	64QAM	12	0	21.13	21.22	21.25	22.5	3
5	64QAM	12	7	21.32	21.32	21.30		
5	64QAM	12	13	21.19	21.21	21.20		
5	64QAM	25	0	21.26	21.26	21.33		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	23.94	23.96	23.89	25.5	0
3	QPSK	1	8	24.26	23.97	24.05		
3	QPSK	1	14	24.14	23.93	23.99		
3	QPSK	8	0	23.18	23.10	23.13	24.5	1
3	QPSK	8	4	23.18	23.21	23.27		
3	QPSK	8	7	23.12	23.12	23.19		
3	QPSK	15	0	23.19	23.10	23.13		
3	16QAM	1	0	23.15	22.93	23.14	24.5	1
3	16QAM	1	8	23.17	22.82	23.04		
3	16QAM	1	14	23.16	23.11	22.86		
3	16QAM	8	0	22.13	22.20	22.16	23.5	2
3	16QAM	8	4	22.28	22.27	22.17		
3	16QAM	8	7	22.29	22.18	22.12		
3	16QAM	15	0	22.13	22.11	22.14		
3	64QAM	1	0	22.15	21.98	21.76	23.5	2
3	64QAM	1	8	21.92	22.12	22.01		
3	64QAM	1	14	22.05	21.98	21.97		
3	64QAM	8	0	21.17	21.19	21.06	22.5	3
3	64QAM	8	4	21.18	21.19	21.21		
3	64QAM	8	7	21.10	21.03	21.18		
3	64QAM	15	0	21.06	21.19	21.08		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.13	24.11	24.10	25.5	0
1.4	QPSK	1	3	24.25	24.21	24.28		
1.4	QPSK	1	5	24.20	24.12	24.18		
1.4	QPSK	3	0	24.18	24.05	24.08		
1.4	QPSK	3	1	24.24	24.14	24.17		
1.4	QPSK	3	3	24.23	24.18	24.18		
1.4	QPSK	6	0	23.29	23.28	23.28	24.5	1
1.4	16QAM	1	0	23.33	23.39	23.34	24.5	1
1.4	16QAM	1	3	23.14	23.18	23.14		
1.4	16QAM	1	5	23.24	23.17	23.26		
1.4	16QAM	3	0	23.25	23.01	23.05		
1.4	16QAM	3	1	23.19	23.03	22.98		
1.4	16QAM	3	3	23.12	23.08	23.07		
1.4	16QAM	6	0	22.19	22.26	22.34	23.5	2
1.4	64QAM	1	0	22.10	22.10	22.05	23.5	2
1.4	64QAM	1	3	22.02	22.06	22.10		
1.4	64QAM	1	5	22.11	21.95	21.89		
1.4	64QAM	3	0	22.18	22.24	22.12		
1.4	64QAM	3	1	22.06	21.99	22.10		
1.4	64QAM	3	3	22.15	22.21	22.11		
1.4	64QAM	6	0	21.20	21.22	21.14	22.5	3

Band 7 Ant2 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.60	22.82	22.66	24	0
20	QPSK	1	49	22.53	22.61	22.56		
20	QPSK	1	99	22.71	22.59	22.51		
20	QPSK	50	0	22.60	22.68	22.66	24	0
20	QPSK	50	24	22.56	22.63	22.56		
20	QPSK	50	50	22.52	22.67	22.62		
20	QPSK	100	0	22.62	22.67	22.57		
20	16QAM	1	0	22.64	22.61	22.72	24	0
20	16QAM	1	49	22.47	22.61	22.72		
20	16QAM	1	99	22.58	22.60	22.51		
20	16QAM	50	0	22.09	22.23	22.17	23.5	0.5
20	16QAM	50	24	22.01	22.19	22.05		
20	16QAM	50	50	22.11	21.96	22.09		
20	16QAM	100	0	21.97	22.15	22.12		
20	64QAM	1	0	22.09	22.07	21.87	23.5	0.5
20	64QAM	1	49	22.02	22.06	22.09		
20	64QAM	1	99	21.97	22.24	22.02		
20	64QAM	50	0	21.19	21.22	21.12	22.5	1.5
20	64QAM	50	24	21.12	21.27	21.17		
20	64QAM	50	50	21.17	21.07	21.12		
20	64QAM	100	0	21.02	21.01	21.07		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	22.52	22.62	22.63	24	0
15	QPSK	1	37	22.54	22.49	22.47		
15	QPSK	1	74	22.50	22.52	22.43		
15	QPSK	36	0	22.60	22.57	22.50	24	0
15	QPSK	36	20	22.36	22.56	22.58		
15	QPSK	36	39	22.40	22.47	22.49		
15	QPSK	75	0	22.50	22.58	22.39		
15	16QAM	1	0	22.46	22.43	22.65	24	0
15	16QAM	1	37	22.27	22.52	22.61		
15	16QAM	1	74	22.52	22.56	22.40		
15	16QAM	36	0	22.03	22.15	22.00	23.5	0.5
15	16QAM	36	20	21.88	22.14	22.05		
15	16QAM	36	39	22.00	21.75	22.05		
15	16QAM	75	0	21.89	21.94	22.07		
15	64QAM	1	0	21.94	21.89	21.86	23.5	0.5
15	64QAM	1	37	21.94	21.92	21.97		
15	64QAM	1	74	21.90	22.21	21.91		
15	64QAM	36	0	21.05	21.03	21.04	22.5	1.5
15	64QAM	36	20	20.99	21.07	20.96		
15	64QAM	36	39	21.01	20.98	20.98		
15	64QAM	75	0	20.84	20.89	20.85		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	22.38	22.63	22.62	24	0
10	QPSK	1	25	22.49	22.63	22.36		
10	QPSK	1	49	22.53	22.49	22.31		
10	QPSK	25	0	22.60	22.69	22.66	24	0
10	QPSK	25	12	22.58	22.45	22.36		
10	QPSK	25	25	22.53	22.53	22.43		
10	QPSK	50	0	22.45	22.59	22.56		
10	16QAM	1	0	22.58	22.55	22.53	24	0
10	16QAM	1	25	22.33	22.52	22.72		
10	16QAM	1	49	22.39	22.49	22.43		
10	16QAM	25	0	21.88	22.18	22.10	23.5	0.5
10	16QAM	25	12	22.00	22.16	22.04		
10	16QAM	25	25	21.89	21.80	21.94		
10	16QAM	50	0	21.95	21.93	22.10		
10	64QAM	1	0	22.09	21.86	21.84	23.5	0.5
10	64QAM	1	25	21.93	22.00	22.10		
10	64QAM	1	49	21.95	22.14	22.03		
10	64QAM	25	0	21.15	21.01	20.99	22.5	1.5
10	64QAM	25	12	21.00	21.26	21.19		
10	64QAM	25	25	21.10	21.07	21.01		
10	64QAM	50	0	21.00	20.87	21.05		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.49	22.64	22.50	24	0
5	QPSK	1	12	22.50	22.47	22.42		
5	QPSK	1	24	22.54	22.53	22.50		
5	QPSK	12	0	22.55	22.46	22.55	24	0
5	QPSK	12	7	22.41	22.65	22.48		
5	QPSK	12	13	22.46	22.67	22.63		
5	QPSK	25	0	22.58	22.54	22.45		
5	16QAM	1	0	22.47	22.55	22.62	24	0
5	16QAM	1	12	22.26	22.60	22.68		
5	16QAM	1	24	22.46	22.46	22.29		
5	16QAM	12	0	22.01	22.19	22.08	23.5	0.5
5	16QAM	12	7	21.97	21.99	21.87		
5	16QAM	12	13	21.95	21.77	22.00		
5	16QAM	25	0	21.80	22.10	21.94		
5	64QAM	1	0	21.95	22.09	21.86	23.5	0.5
5	64QAM	1	12	21.97	21.91	22.09		
5	64QAM	1	24	21.77	22.12	21.91		
5	64QAM	12	0	21.20	21.00	21.14	22.5	1.5
5	64QAM	12	7	20.92	21.27	20.99		
5	64QAM	12	13	20.99	20.90	21.02		
5	64QAM	25	0	20.97	20.99	21.05		

Band 38 Ant2 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.23	24.27	23.98	25.5	0
20	QPSK	1	49	24.17	24.26	24.23		
20	QPSK	1	99	24.12	24.06	24.10		
20	QPSK	50	0	23.06	23.21	23.05	24.5	1
20	QPSK	50	24	23.17	23.12	23.08		
20	QPSK	50	50	23.16	23.13	23.13		
20	QPSK	100	0	23.13	23.15	23.14		
20	16QAM	1	0	23.11	23.04	23.05	24.5	1
20	16QAM	1	49	23.31	23.14	23.29		
20	16QAM	1	99	23.15	23.12	23.14		
20	16QAM	50	0	22.20	22.21	22.20	23.5	2
20	16QAM	50	24	22.34	22.33	22.32		
20	16QAM	50	50	22.28	22.28	22.25		
20	16QAM	100	0	22.23	22.17	22.22		
20	64QAM	1	0	21.88	21.99	21.82	23.5	2
20	64QAM	1	49	22.10	22.07	22.07		
20	64QAM	1	99	21.93	21.98	21.91		
20	64QAM	50	0	21.13	21.16	21.12	22.5	3
20	64QAM	50	24	21.27	21.26	21.26		
20	64QAM	50	50	21.21	21.20	21.18		
20	64QAM	100	0	21.26	21.23	21.29		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.13	24.09	23.85	25.5	0
15	QPSK	1	37	23.97	24.11	24.01		
15	QPSK	1	74	24.13	23.90	23.89		
15	QPSK	36	0	22.97	23.15	23.04	24.5	1
15	QPSK	36	20	23.01	23.02	22.89		
15	QPSK	36	39	23.09	23.05	22.91		
15	QPSK	75	0	23.13	23.12	22.99		
15	16QAM	1	0	23.08	23.02	23.01	24.5	1
15	16QAM	1	37	23.27	23.10	23.23		
15	16QAM	1	74	23.12	22.91	22.99		
15	16QAM	36	0	22.10	22.06	22.05	23.5	2
15	16QAM	36	20	22.14	22.29	22.31		
15	16QAM	36	39	22.15	22.15	22.26		
15	16QAM	75	0	22.23	22.16	22.19		
15	64QAM	1	0	21.74	21.91	21.81	23.5	2
15	64QAM	1	37	21.95	22.06	21.86		
15	64QAM	1	74	21.90	21.77	21.75		
15	64QAM	36	0	21.09	21.15	21.13	22.5	3
15	64QAM	36	20	21.18	21.16	21.11		
15	64QAM	36	39	21.18	21.04	21.02		
15	64QAM	75	0	21.26	21.02	21.30		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.00	24.05	23.83	25.5	0
10	QPSK	1	25	24.01	24.07	24.17		
10	QPSK	1	49	23.92	23.86	23.85		
10	QPSK	25	0	22.88	23.11	23.01	24.5	1
10	QPSK	25	12	22.94	23.05	22.94		
10	QPSK	25	25	22.92	23.01	22.92		
10	QPSK	50	0	22.96	23.04	22.87		
10	16QAM	1	0	22.93	22.82	22.92	24.5	1
10	16QAM	1	25	23.09	22.97	23.23		
10	16QAM	1	49	22.97	23.06	23.04		
10	16QAM	25	0	22.11	22.02	22.01	23.5	2
10	16QAM	25	12	22.23	22.26	22.19		
10	16QAM	25	25	22.12	22.20	22.20		
10	16QAM	50	0	22.20	21.98	22.02		
10	64QAM	1	0	21.80	21.85	21.58	23.5	2
10	64QAM	1	25	21.87	21.83	21.89		
10	64QAM	1	49	21.84	21.91	21.85		
10	64QAM	25	0	20.97	20.96	20.93	22.5	3
10	64QAM	25	12	21.15	21.22	21.07		
10	64QAM	25	25	20.95	21.05	21.10		
10	64QAM	50	0	21.11	20.97	21.25		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.03	24.07	23.79	25.5	0
5	QPSK	1	12	23.98	24.01	24.05		
5	QPSK	1	24	23.93	23.85	23.93		
5	QPSK	12	0	22.76	22.92	22.75	24.5	1
5	QPSK	12	7	22.94	23.00	22.91		
5	QPSK	12	13	22.92	22.91	22.86		
5	QPSK	25	0	22.94	23.05	22.85		
5	16QAM	1	0	22.94	22.79	22.83	24.5	1
5	16QAM	1	12	23.17	22.89	23.06		
5	16QAM	1	24	22.90	22.89	22.94		
5	16QAM	12	0	21.95	22.06	22.04	23.5	2
5	16QAM	12	7	22.11	22.19	22.16		
5	16QAM	12	13	22.05	21.97	21.93		
5	16QAM	25	0	21.98	21.93	21.99		
5	64QAM	1	0	21.69	21.90	21.73	23.5	2
5	64QAM	1	12	21.94	21.76	21.88		
5	64QAM	1	24	21.74	21.80	21.78		
5	64QAM	12	0	20.97	21.01	20.98	22.5	3
5	64QAM	12	7	20.99	20.99	21.11		
5	64QAM	12	13	21.06	20.99	21.09		
5	64QAM	25	0	21.16	20.95	21.18		

Band 41 (2.6G Band) Ant2 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	24.14	24.21	24.44	24.02	25.5	0
20	QPSK	1	49	24.15	23.99	24.00	24.17		
20	QPSK	1	99	24.06	24.02	24.01	24.03		
20	QPSK	50	0	22.96	22.96	23.21	22.93	24.5	1
20	QPSK	50	24	23.06	22.94	22.90	22.96		
20	QPSK	50	50	23.12	23.07	22.79	22.85		
20	QPSK	100	0	23.00	23.02	23.15	23.13		
20	16QAM	1	0	23.10	23.00	23.08	23.01	24.5	1
20	16QAM	1	49	23.15	23.09	22.92	23.11		
20	16QAM	1	99	22.94	23.20	22.89	23.05		
20	16QAM	50	0	22.21	21.97	22.06	22.12	23.5	2
20	16QAM	50	24	22.22	21.99	22.11	22.15		
20	16QAM	50	50	22.14	22.00	22.14	22.18		
20	16QAM	100	0	22.16	22.06	22.07	22.04		
20	64QAM	1	0	22.30	22.21	22.30	22.32	23.5	2
20	64QAM	1	49	22.47	22.46	22.30	22.39		
20	64QAM	1	99	22.19	22.27	22.27	22.29		
20	64QAM	50	0	21.50	21.34	21.40	21.60	22.5	3
20	64QAM	50	24	21.75	21.45	21.43	21.51		
20	64QAM	50	50	21.66	21.56	21.57	21.59		
20	64QAM	100	0	21.59	21.63	21.63	21.74		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	24.05	24.04	24.29	23.83	25.5	0
15	QPSK	1	37	24.03	23.89	23.87	23.98		
15	QPSK	1	74	23.89	23.86	23.84	23.82		
15	QPSK	36	0	22.88	22.93	23.09	22.84	24.5	1
15	QPSK	36	20	22.91	22.93	22.87	22.78		
15	QPSK	36	39	23.12	22.94	22.81	22.68		
15	QPSK	75	0	22.89	23.01	23.06	23.10		
15	16QAM	1	0	22.92	22.85	23.10	22.74	24.5	1
15	16QAM	1	37	23.05	22.81	22.92	22.83		
15	16QAM	1	74	23.00	22.91	22.64	22.81		
15	16QAM	36	0	22.07	21.90	22.12	22.01	23.5	2
15	16QAM	36	20	22.07	21.80	21.95	22.14		
15	16QAM	36	39	22.14	22.04	21.98	21.86		
15	16QAM	75	0	22.07	21.86	21.86	21.99		
15	64QAM	1	0	22.29	22.08	22.29	22.31	23.5	2
15	64QAM	1	37	22.39	22.43	22.31	22.29		
15	64QAM	1	74	22.02	22.21	22.27	22.12		
15	64QAM	36	0	21.43	21.36	21.28	21.49	22.5	3
15	64QAM	36	20	21.72	21.44	21.44	21.45		
15	64QAM	36	39	21.66	21.34	21.45	21.57		
15	64QAM	75	0	21.53	21.45	21.47	21.73		
Channel				40090	40390	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	24.09	24.23	24.25	24.01	25.5	0
10	QPSK	1	25	24.08	23.85	24.00	24.00		
10	QPSK	1	49	23.91	23.81	23.91	23.88		
10	QPSK	25	0	22.88	22.76	23.14	22.88	24.5	1
10	QPSK	25	12	22.93	22.77	22.72	22.97		
10	QPSK	25	25	23.13	22.90	22.79	22.72		
10	QPSK	50	0	22.93	22.89	23.14	23.02		
10	16QAM	1	0	22.80	22.85	23.16	22.85	24.5	1
10	16QAM	1	25	22.84	22.78	22.83	22.89		
10	16QAM	1	49	22.96	22.87	22.70	22.77		
10	16QAM	25	0	22.05	21.93	21.99	21.95	23.5	2
10	16QAM	25	12	22.09	21.91	21.98	22.08		
10	16QAM	25	25	21.96	21.85	22.11	22.10		
10	16QAM	50	0	21.96	21.88	22.04	21.92		
10	64QAM	1	0	22.27	22.08	22.11	22.19	23.5	2
10	64QAM	1	25	22.34	22.32	22.28	22.40		
10	64QAM	1	49	22.09	22.23	22.06	22.12		
10	64QAM	25	0	21.37	21.35	21.35	21.44	22.5	3
10	64QAM	25	12	21.58	21.30	21.31	21.44		
10	64QAM	25	25	21.52	21.40	21.46	21.56		
10	64QAM	50	0	21.39	21.53	21.62	21.75		
Channel				40065	40385	40705	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	24.13	24.14	24.26	23.84	25.5	0
5	QPSK	1	12	24.07	23.98	23.96	24.13		
5	QPSK	1	24	23.86	23.91	23.89	23.84		
5	QPSK	12	0	22.89	22.92	23.09	22.94	24.5	1
5	QPSK	12	7	22.95	22.72	22.76	22.95		
5	QPSK	12	13	23.06	22.98	22.65	22.71		
5	QPSK	25	0	23.01	22.92	23.16	23.00		
5	16QAM	1	0	23.02	22.91	23.08	22.90	24.5	1
5	16QAM	1	12	23.01	23.00	22.74	23.05		
5	16QAM	1	24	22.75	23.15	22.70	22.83		
5	16QAM	12	0	21.99	21.97	21.96	21.98	23.5	2
5	16QAM	12	7	22.03	21.93	21.91	22.01		
5	16QAM	12	13	21.94	21.82	22.03	22.12		
5	16QAM	25	0	21.95	22.05	22.09	21.87		
5	64QAM	1	0	22.09	22.00	22.22	22.15	23.5	2
5	64QAM	1	12	22.44	22.28	22.10	22.29		
5	64QAM	1	24	22.02	22.11	22.29	22.28		
5	64QAM	12	0	21.41	21.34	21.26	21.53	22.5	3
5	64QAM	12	7	21.75	21.45	21.32	21.38		
5	64QAM	12	13	21.60	21.52	21.55	21.40		
5	64QAM	25	0	21.57	21.42	21.44	21.70		

Band 2 Ant3 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	24.48	24.67	24.51	25.5	0
20	QPSK	1	49	24.31	24.47	24.44		
20	QPSK	1	99	24.38	24.59	24.37		
20	QPSK	50	0	23.59	23.70	23.50	24.5	1
20	QPSK	50	24	23.47	23.55	23.56		
20	QPSK	50	50	23.29	23.35	23.40		
20	QPSK	100	0	23.45	23.62	23.42		
20	16QAM	1	0	23.39	23.65	23.48	24.5	1
20	16QAM	1	49	23.26	23.50	23.46		
20	16QAM	1	99	23.33	23.60	23.36		
20	16QAM	50	0	22.53	22.52	22.41	23.5	2
20	16QAM	50	24	22.33	22.57	22.47		
20	16QAM	50	50	22.28	22.54	22.41		
20	16QAM	100	0	22.43	22.66	22.33		
20	64QAM	1	0	22.56	22.65	22.40	23.5	2
20	64QAM	1	49	22.47	22.74	22.44		
20	64QAM	1	99	22.26	22.39	22.52		
20	64QAM	50	0	21.51	21.56	21.41	22.5	3
20	64QAM	50	24	21.50	21.77	21.51		
20	64QAM	50	50	21.46	21.67	21.47		
20	64QAM	100	0	21.19	21.50	21.57		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	24.34	24.49	24.40	25.5	0
15	QPSK	1	37	24.32	24.46	24.39		
15	QPSK	1	74	24.21	24.57	24.34		
15	QPSK	36	0	23.51	23.49	23.45	24.5	1
15	QPSK	36	20	23.40	23.52	23.37		
15	QPSK	36	39	23.23	23.14	23.38		
15	QPSK	75	0	23.45	23.47	23.37		
15	16QAM	1	0	23.18	23.47	23.44	24.5	1
15	16QAM	1	37	23.09	23.44	23.40		
15	16QAM	1	74	23.30	23.55	23.23		
15	16QAM	36	0	22.38	22.42	22.33	23.5	2
15	16QAM	36	20	22.20	22.39	22.26		
15	16QAM	36	39	22.10	22.33	22.38		
15	16QAM	75	0	22.34	22.60	22.23		
15	64QAM	1	0	22.38	22.44	22.33	23.5	2
15	64QAM	1	37	22.31	22.53	22.25		
15	64QAM	1	74	22.06	22.40	22.38		
15	64QAM	36	0	21.34	21.47	21.24	22.5	3
15	64QAM	36	20	21.39	21.59	21.34		
15	64QAM	36	39	21.39	21.58	21.29		
15	64QAM	75	0	21.08	21.35	21.48		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	24.41	24.47	24.38	25.5	0
10	QPSK	1	25	24.30	24.35	24.39		
10	QPSK	1	49	24.37	24.42	24.27		
10	QPSK	25	0	23.55	23.69	23.45	24.5	1
10	QPSK	25	12	23.28	23.55	23.44		
10	QPSK	25	25	23.19	23.32	23.33		
10	QPSK	50	0	23.32	23.50	23.33		
10	16QAM	1	0	23.40	23.61	23.49	24.5	1
10	16QAM	1	25	23.24	23.49	23.26		
10	16QAM	1	49	23.13	23.56	23.16		
10	16QAM	25	0	22.38	22.31	22.37	23.5	2
10	16QAM	25	12	22.16	22.36	22.48		
10	16QAM	25	25	22.26	22.33	22.36		
10	16QAM	50	0	22.32	22.65	22.34		
10	64QAM	1	0	22.58	22.45	22.26	23.5	2
10	64QAM	1	25	22.38	22.56	22.36		
10	64QAM	1	49	22.11	22.37	22.32		
10	64QAM	25	0	21.42	21.50	21.39	22.5	3
10	64QAM	25	12	21.51	21.75	21.47		
10	64QAM	25	25	21.35	21.47	21.40		
10	64QAM	50	0	21.11	21.35	21.57		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	24.37	24.52	24.43	25.5	0
5	QPSK	1	12	24.16	24.42	24.33		
5	QPSK	1	24	24.31	24.60	24.15		
5	QPSK	12	0	23.41	23.62	23.43	24.5	1
5	QPSK	12	7	23.35	23.55	23.48		
5	QPSK	12	13	23.16	23.13	23.23		
5	QPSK	25	0	23.44	23.43	23.23		
5	16QAM	1	0	23.21	23.53	23.32	24.5	1
5	16QAM	1	12	23.08	23.37	23.26		
5	16QAM	1	24	23.24	23.48	23.31		
5	16QAM	12	0	22.52	22.46	22.28	23.5	2
5	16QAM	12	7	22.29	22.54	22.46		
5	16QAM	12	13	22.18	22.32	22.41		
5	16QAM	25	0	22.22	22.55	22.24		
5	64QAM	1	0	22.46	22.57	22.23	23.5	2
5	64QAM	1	12	22.42	22.70	22.22		
5	64QAM	1	24	22.23	22.36	22.31		
5	64QAM	12	0	21.38	21.44	21.33	22.5	3
5	64QAM	12	7	21.45	21.63	21.35		
5	64QAM	12	13	21.36	21.54	21.34		
5	64QAM	25	0	21.18	21.30	21.44		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	24.36	24.62	24.46	25.5	0
3	QPSK	1	8	24.13	24.44	24.34		
3	QPSK	1	14	24.35	24.45	24.25		
3	QPSK	8	0	23.51	23.49	23.35	24.5	1
3	QPSK	8	4	23.43	23.38	23.48		
3	QPSK	8	7	23.10	23.28	23.21		
3	QPSK	15	0	23.45	23.55	23.29		
3	16QAM	1	0	23.40	23.51	23.30	24.5	1
3	16QAM	1	8	23.21	23.43	23.35		
3	16QAM	1	14	23.34	23.58	23.34		
3	16QAM	8	0	22.51	22.35	22.25	23.5	2
3	16QAM	8	4	22.20	22.56	22.39		
3	16QAM	8	7	22.21	22.47	22.40		
3	16QAM	15	0	22.32	22.57	22.24		
3	64QAM	1	0	22.56	22.66	22.34	23.5	2
3	64QAM	1	8	22.47	22.66	22.30		
3	64QAM	1	14	22.22	22.28	22.52		
3	64QAM	8	0	21.33	21.51	21.40	22.5	3
3	64QAM	8	4	21.50	21.56	21.30		
3	64QAM	8	7	21.33	21.67	21.32		
3	64QAM	15	0	21.14	21.34	21.56		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	24.24	24.47	24.34	25.5	0
1.4	QPSK	1	3	24.04	24.24	24.31		
1.4	QPSK	1	5	24.31	24.42	24.25		
1.4	QPSK	3	0	24.21	24.50	24.42		
1.4	QPSK	3	1	24.11	24.36	24.20		
1.4	QPSK	3	3	24.21	24.26	24.13		
1.4	QPSK	6	0	23.17	23.44	23.14	24.5	1
1.4	16QAM	1	0	23.33	23.37	23.29	24.5	1
1.4	16QAM	1	3	23.07	23.34	23.34		
1.4	16QAM	1	5	23.26	23.39	23.15		
1.4	16QAM	3	0	23.37	23.45	23.24		
1.4	16QAM	3	1	23.19	23.29	23.15		
1.4	16QAM	3	3	23.14	23.52	23.23		
1.4	16QAM	6	0	22.25	22.50	22.22	23.5	2
1.4	64QAM	1	0	22.52	22.48	22.31	23.5	2
1.4	64QAM	1	3	22.47	22.48	22.32		
1.4	64QAM	1	5	22.10	22.16	22.43		
1.4	64QAM	3	0	22.56	22.57	22.13		
1.4	64QAM	3	1	22.40	22.53	22.19		
1.4	64QAM	3	3	22.16	22.14	22.50		
1.4	64QAM	6	0	21.00	21.40	21.45	22.5	3

Band 7 Ant3 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20650	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	22.14	22.33	22.02	23.5	0
20	QPSK	1	49	22.08	22.28	22.07		
20	QPSK	1	99	22.19	22.10	21.91		
20	QPSK	50	0	22.13	22.20	21.94	23.5	0
20	QPSK	50	24	22.06	22.14	22.04		
20	QPSK	50	50	21.91	22.12	21.89		
20	QPSK	100	0	22.05	22.13	21.83		
20	16QAM	1	0	22.07	22.24	21.97	23.5	0
20	16QAM	1	49	22.00	22.27	21.86		
20	16QAM	1	99	21.96	22.27	22.00		
20	16QAM	50	0	21.99	22.29	21.82	23.5	0
20	16QAM	50	24	21.89	22.21	21.97		
20	16QAM	50	50	22.15	21.90	21.82		
20	16QAM	100	0	21.96	22.07	21.79		
20	64QAM	1	0	21.87	22.10	21.98	23.5	0
20	64QAM	1	49	21.86	21.92	21.68		
20	64QAM	1	99	22.02	22.05	21.83		
20	64QAM	50	0	21.24	21.29	21.07	22.5	1
20	64QAM	50	24	20.98	21.31	20.97		
20	64QAM	50	50	21.27	20.99	20.92		
20	64QAM	100	0	21.21	21.27	20.89		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	22.11	22.20	21.92	23.5	0
15	QPSK	1	37	22.02	22.20	22.01		
15	QPSK	1	74	22.18	22.02	21.85		
15	QPSK	36	0	21.98	22.19	21.86	23.5	0
15	QPSK	36	20	22.02	22.00	21.91		
15	QPSK	36	39	21.74	22.12	21.78		
15	QPSK	75	0	22.02	22.14	21.85		
15	16QAM	1	0	22.05	22.04	21.80	23.5	0
15	16QAM	1	37	22.02	22.27	21.79		
15	16QAM	1	74	21.80	22.24	21.94		
15	16QAM	36	0	21.84	22.26	21.78	23.5	0
15	16QAM	36	20	21.91	22.22	21.87		
15	16QAM	36	39	22.01	21.79	21.83		
15	16QAM	75	0	21.85	21.91	21.59		
15	64QAM	1	0	21.69	21.92	21.85	23.5	0
15	64QAM	1	37	21.73	21.75	21.69		
15	64QAM	1	74	21.91	21.94	21.84		
15	64QAM	36	0	21.04	21.22	20.95	22.5	1
15	64QAM	36	20	20.84	21.09	20.93		
15	64QAM	36	39	21.24	20.81	20.86		
15	64QAM	75	0	20.99	21.14	20.77		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.92	22.17	22.01	23.5	0
10	QPSK	1	25	22.01	22.07	21.93		
10	QPSK	1	49	22.01	22.01	21.69		
10	QPSK	25	0	22.11	22.11	21.90	23.5	0
10	QPSK	25	12	22.06	22.01	22.00		
10	QPSK	25	25	21.84	22.06	21.77		
10	QPSK	50	0	21.93	22.06	21.80		
10	16QAM	1	0	22.04	22.23	21.84	23.5	0
10	16QAM	1	25	21.85	22.05	21.73		
10	16QAM	1	49	21.86	22.16	21.99		
10	16QAM	25	0	21.82	22.08	21.72	23.5	0
10	16QAM	25	12	21.79	22.19	21.94		
10	16QAM	25	25	21.97	21.81	21.79		
10	16QAM	50	0	21.78	21.85	21.62		
10	64QAM	1	0	21.76	21.88	21.86	23.5	0
10	64QAM	1	25	21.68	21.76	21.60		
10	64QAM	1	49	21.84	21.96	21.68		
10	64QAM	25	0	21.26	21.17	20.93	22.5	1
10	64QAM	25	12	20.94	21.24	20.96		
10	64QAM	25	25	21.16	20.90	20.89		
10	64QAM	50	0	21.19	21.21	20.86		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	22.14	22.24	21.80	23.5	0
5	QPSK	1	12	22.03	22.29	21.94		
5	QPSK	1	24	22.16	21.92	21.82		
5	QPSK	12	0	21.98	22.01	21.95	23.5	0
5	QPSK	12	7	21.90	22.14	21.89		
5	QPSK	12	13	21.90	22.06	21.82		
5	QPSK	25	0	21.97	22.01	21.80		
5	16QAM	1	0	22.04	22.07	21.83	23.5	0
5	16QAM	1	12	22.00	22.28	21.79		
5	16QAM	1	24	21.88	22.15	21.79		
5	16QAM	12	0	21.81	22.12	21.78	23.5	0
5	16QAM	12	7	21.81	22.14	21.76		
5	16QAM	12	13	22.02	21.73	21.68		
5	16QAM	25	0	21.95	22.00	21.63		
5	64QAM	1	0	21.83	21.91	21.92	23.5	0
5	64QAM	1	12	21.68	21.81	21.68		
5	64QAM	1	24	21.91	22.05	21.75		
5	64QAM	12	0	21.09	21.28	20.94	22.5	1
5	64QAM	12	7	20.88	21.20	20.92		
5	64QAM	12	13	21.27	20.89	20.90		
5	64QAM	25	0	21.21	21.13	20.73		

Band 38 Ant4 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.71	19.85	19.83	21	0
20	QPSK	1	49	19.47	19.80	19.49		
20	QPSK	1	99	19.54	19.58	19.58		
20	QPSK	50	0	19.59	19.70	19.68	21	0
20	QPSK	50	24	19.58	19.61	19.50		
20	QPSK	50	50	19.40	19.56	19.69		
20	QPSK	100	0	19.61	19.64	19.53		
20	16QAM	1	0	19.66	19.51	19.55	21	0
20	16QAM	1	49	19.38	19.60	19.49		
20	16QAM	1	99	19.35	19.50	19.43		
20	16QAM	50	0	19.67	19.38	19.60	21	0
20	16QAM	50	24	19.41	19.58	19.35		
20	16QAM	50	50	19.14	19.58	19.50		
20	16QAM	100	0	19.25	19.70	19.56		
20	64QAM	1	0	19.16	19.64	19.31	21	0
20	64QAM	1	49	19.14	19.48	19.32		
20	64QAM	1	99	19.47	19.37	19.52		
20	64QAM	50	0	18.64	18.79	18.67	20	1
20	64QAM	50	24	18.56	18.74	18.48		
20	64QAM	50	50	18.57	18.46	18.79		
20	64QAM	100	0	18.55	18.78	18.63		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.57	19.60	19.81	21	0
15	QPSK	1	37	19.42	19.79	19.31		
15	QPSK	1	74	19.47	19.36	19.59		
15	QPSK	36	0	19.45	19.51	19.49	21	0
15	QPSK	36	20	19.59	19.46	19.30		
15	QPSK	36	39	19.36	19.57	19.62		
15	QPSK	75	0	19.60	19.44	19.32		
15	16QAM	1	0	19.54	19.39	19.44	21	0
15	16QAM	1	37	19.31	19.46	19.51		
15	16QAM	1	74	19.29	19.42	19.27		
15	16QAM	36	0	19.68	19.30	19.47	21	0
15	16QAM	36	20	19.42	19.41	19.27		
15	16QAM	36	39	19.08	19.49	19.47		
15	16QAM	75	0	19.09	19.49	19.44		
15	64QAM	1	0	19.11	19.52	19.21	21	0
15	64QAM	1	37	19.01	19.39	19.28		
15	64QAM	1	74	19.47	19.24	19.33		
15	64QAM	36	0	18.61	18.60	18.48	20	1
15	64QAM	36	20	18.39	18.57	18.39		
15	64QAM	36	39	18.45	18.28	18.78		
15	64QAM	75	0	18.51	18.63	18.45		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.65	19.80	19.82	21	0
10	QPSK	1	25	19.34	19.71	19.50		
10	QPSK	1	49	19.55	19.42	19.55		
10	QPSK	25	0	19.43	19.56	19.59	21	0
10	QPSK	25	12	19.56	19.43	19.45		
10	QPSK	25	25	19.32	19.46	19.64		
10	QPSK	50	0	19.46	19.53	19.40		
10	16QAM	1	0	19.53	19.44	19.44	21	0
10	16QAM	1	25	19.21	19.50	19.43		
10	16QAM	1	49	19.19	19.29	19.33		
10	16QAM	25	0	19.60	19.25	19.56	21	0
10	16QAM	25	12	19.24	19.48	19.26		
10	16QAM	25	25	19.03	19.54	19.49		
10	16QAM	50	0	19.09	19.62	19.47		
10	64QAM	1	0	19.57	19.59	19.47	21	0
10	64QAM	1	25	19.05	19.45	19.27		
10	64QAM	1	49	19.39	19.16	19.38		
10	64QAM	25	0	18.43	18.59	18.57	20	1
10	64QAM	25	12	18.39	18.69	18.33		
10	64QAM	25	25	18.45	18.43	18.57		
10	64QAM	50	0	18.35	18.56	18.56		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.56	19.83	19.84	21	0
5	QPSK	1	12	19.28	19.59	19.43		
5	QPSK	1	24	19.53	19.51	19.50		
5	QPSK	12	0	19.55	19.54	19.65	21	0
5	QPSK	12	7	19.48	19.47	19.50		
5	QPSK	12	13	19.29	19.41	19.48		
5	QPSK	25	0	19.55	19.63	19.34		
5	16QAM	1	0	19.49	19.41	19.41	21	0
5	16QAM	1	12	19.25	19.46	19.38		
5	16QAM	1	24	19.22	19.46	19.29		
5	16QAM	12	0	19.64	19.36	19.46	21	0
5	16QAM	12	7	19.39	19.44	19.20		
5	16QAM	12	13	19.00	19.55	19.48		
5	16QAM	25	0	19.13	19.59	19.41		
5	64QAM	1	0	19.39	19.61	19.18	21	0
5	64QAM	1	12	19.56	19.29	19.22		
5	64QAM	1	24	19.44	19.17	19.46		
5	64QAM	12	0	18.49	18.77	18.58	20	1
5	64QAM	12	7	18.38	18.64	18.26		
5	64QAM	12	13	18.41	18.35	18.80		
5	64QAM	25	0	18.42	18.79	18.50		

Band 41 (2.6G Band) Ant4 DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	19.60	19.55	19.89	19.75	21	0
20	QPSK	1	49	19.50	19.48	19.88	19.67		
20	QPSK	1	99	19.47	19.55	19.56	19.67		
20	QPSK	50	0	19.39	19.49	19.63	19.55	21	0
20	QPSK	50	24	19.32	19.59	19.59	19.57		
20	QPSK	50	50	19.30	19.41	19.44	19.41		
20	QPSK	100	0	19.66	19.56	19.74	19.71		
20	16QAM	1	0	19.45	19.66	19.79	19.66	21	0
20	16QAM	1	49	19.46	19.36	19.69	19.47		
20	16QAM	1	99	19.43	19.64	19.56	19.57		
20	16QAM	50	0	19.68	19.52	19.42	19.69	21	0
20	16QAM	50	24	19.43	19.51	19.56	19.48		
20	16QAM	50	50	19.37	19.28	19.58	19.57		
20	16QAM	100	0	19.55	19.37	19.52	19.51		
20	64QAM	1	0	19.55	19.22	19.58	19.40	21	0
20	64QAM	1	49	19.51	19.22	19.34	19.46		
20	64QAM	1	99	19.37	19.44	19.33	19.51		
20	64QAM	50	0	18.28	18.56	18.72	18.66	20	1
20	64QAM	50	24	18.51	18.51	18.65	18.63		
20	64QAM	50	50	18.46	18.68	18.45	18.70		
20	64QAM	100	0	18.36	18.59	18.74	18.67		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	19.61	19.49	19.65	19.61	21	0
15	QPSK	1	37	19.51	19.40	19.68	19.62		
15	QPSK	1	74	19.36	19.53	19.43	19.57		
15	QPSK	36	0	19.22	19.39	19.43	19.46	21	0
15	QPSK	36	20	19.32	19.57	19.50	19.52		
15	QPSK	36	39	19.26	19.42	19.42	19.59		
15	QPSK	75	0	19.51	19.42	19.68	19.79		
15	16QAM	1	0	19.25	19.61	19.71	19.58	21	0
15	16QAM	1	37	19.47	19.29	19.58	19.29		
15	16QAM	1	74	19.22	19.66	19.57	19.35		
15	16QAM	36	0	19.57	19.39	19.28	19.60	21	0
15	16QAM	36	20	19.34	19.49	19.39	19.30		
15	16QAM	36	39	19.33	19.26	19.58	19.46		
15	16QAM	75	0	19.46	19.17	19.47	19.44		
15	64QAM	1	0	19.39	19.16	19.37	19.38	21	0
15	64QAM	1	37	19.42	19.18	19.21	19.39		
15	64QAM	1	74	19.34	19.28	19.25	19.41		
15	64QAM	36	0	18.21	18.47	18.63	18.55	20	1
15	64QAM	36	20	18.41	18.40	18.64	18.46		
15	64QAM	36	39	18.48	18.56	18.44	18.59		
15	64QAM	75	0	18.27	18.58	18.69	18.67		
Channel				40090	40390	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	19.50	19.55	19.64	19.70	21	0
10	QPSK	1	25	19.46	19.45	19.68	19.53		
10	QPSK	1	49	19.37	19.41	19.34	19.61		
10	QPSK	25	0	19.27	19.41	19.49	19.42	21	0
10	QPSK	25	12	19.18	19.39	19.49	19.55		
10	QPSK	25	25	19.27	19.28	19.22	19.57		
10	QPSK	50	0	19.60	19.48	19.73	19.75		
10	16QAM	1	0	19.38	19.51	19.77	19.46	21	0
10	16QAM	1	25	19.34	19.28	19.52	19.39		
10	16QAM	1	49	19.27	19.43	19.52	19.53		
10	16QAM	25	0	19.58	19.33	19.22	19.56	21	0
10	16QAM	25	12	19.40	19.45	19.37	19.43		
10	16QAM	25	25	19.30	19.14	19.56	19.56		
10	16QAM	50	0	19.44	19.31	19.53	19.39		
10	64QAM	1	0	19.44	19.09	19.42	19.34	21	0
10	64QAM	1	25	19.42	19.24	19.34	19.41		
10	64QAM	1	49	19.18	19.26	19.18	19.35		
10	64QAM	25	0	18.23	18.38	18.66	18.61	20	1
10	64QAM	25	12	18.45	18.41	18.47	18.58		
10	64QAM	25	25	18.30	18.50	18.31	18.60		
10	64QAM	50	0	18.31	18.57	18.54	18.46		
Channel				40065	40385	40705	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	19.47	19.50	19.76	19.60	21	0
5	QPSK	1	12	19.30	19.40	19.73	19.48		
5	QPSK	1	24	19.33	19.40	19.49	19.55		
5	QPSK	12	0	19.24	19.31	19.60	19.56	21	0
5	QPSK	12	7	19.26	19.40	19.59	19.58		
5	QPSK	12	13	19.21	19.31	19.38	19.62		
5	QPSK	25	0	19.67	19.53	19.59	19.64		
5	16QAM	1	0	19.34	19.60	19.62	19.50	21	0
5	16QAM	1	12	19.38	19.18	19.65	19.49		
5	16QAM	1	24	19.28	19.63	19.51	19.43		
5	16QAM	12	0	19.59	19.42	19.30	19.61	21	0
5	16QAM	12	7	19.27	19.33	19.38	19.43		
5	16QAM	12	13	19.26	19.11	19.43	19.54		
5	16QAM	25	0	19.47	19.19	19.47	19.31		
5	64QAM	1	0	19.46	19.16	19.42	19.28	21	0
5	64QAM	1	12	19.36	19.04	19.23	19.33		
5	64QAM	1	24	19.29	19.24	19.18	19.52		
5	64QAM	12	0	18.18	18.53	18.53	18.59	20	1
5	64QAM	12	7	18.41	18.46	18.46	18.64		
5	64QAM	12	13	18.34	18.60	18.30	18.66		
5	64QAM	25	0	18.34	18.45	18.55	18.51		

GSM850 Ant 1 DSI4

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

GSM1900 Ant 1 DSI4

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

		WCDMA II Ant 1 DSI4				WCDMA IV Ant 1 DSI4				WCDMA V Ant 1 DSI4			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.40	20.44	20.28	21.50	20.37	20.40	20.33	21.50	24.33	24.43	24.23	25.50
3GPP Rel 99	RMC 12.2Kbps	20.43	20.48	20.32	21.50	20.40	20.42	20.37	21.50	24.43	24.55	24.33	25.50
3GPP Rel 6	HSDPA Subtest-1	18.43	18.54	18.46	19.50	18.59	18.50	18.47	19.50	23.62	23.61	23.66	24.50
3GPP Rel 6	HSDPA Subtest-2	18.42	18.44	18.44	19.50	18.61	18.35	18.31	19.50	23.53	23.56	23.58	24.50
3GPP Rel 6	HSDPA Subtest-3	17.92	18.02	18.03	19.50	18.08	17.93	17.83	19.50	23.03	23.06	23.11	24.50
3GPP Rel 6	HSDPA Subtest-4	17.98	17.93	17.97	19.50	18.04	17.87	17.84	19.50	23.05	23.06	23.09	24.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.31	18.43	18.49	19.50	18.64	18.43	18.53	19.50	23.54	23.72	23.70	25.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.34	18.39	18.42	19.50	18.54	18.33	18.38	19.50	23.52	23.45	23.57	25.00
3GPP Rel 8	DC-HSDPA Subtest-3	17.91	17.91	17.92	19.50	18.20	17.97	17.86	19.50	22.96	22.98	23.11	24.50
3GPP Rel 8	DC-HSDPA Subtest-4	17.92	18.03	18.08	19.50	18.06	17.91	17.93	19.50	22.95	22.99	23.14	24.50
3GPP Rel 6	HSUPA Subtest-1	18.50	18.51	18.52	19.50	18.54	18.54	18.62	19.50	21.66	21.52	21.66	23.00
3GPP Rel 6	HSUPA Subtest-2	16.49	16.59	16.50	17.50	16.60	16.42	16.40	17.50	21.56	21.48	21.63	23.00
3GPP Rel 6	HSUPA Subtest-3	17.52	17.52	17.49	18.50	17.60	17.47	17.43	18.50	22.63	22.56	22.63	24.00
3GPP Rel 6	HSUPA Subtest-4	16.36	16.20	16.28	16.50	16.37	16.25	16.28	16.50	21.03	20.99	21.10	22.50
3GPP Rel 6	HSUPA Subtest-5	18.50	18.50	18.40	19.50	18.60	18.50	18.30	19.50	22.50	22.40	22.50	24.00

Band 2 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				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	20.03	20.29	19.97	21.5	0
20	QPSK	1	49	20.12	20.10	20.10		
20	QPSK	1	99	20.00	20.10	19.80		
20	QPSK	50	0	20.05	20.23	19.89	21.5	0
20	QPSK	50	24	20.13	20.07	20.08		
20	QPSK	50	50	19.84	20.16	19.88		
20	QPSK	100	0	20.03	20.10	19.94		
20	16QAM	1	0	19.96	20.26	19.78	21.5	0
20	16QAM	1	49	20.04	20.15	19.90		
20	16QAM	1	99	19.97	20.10	20.02		
20	16QAM	50	0	20.09	20.16	19.96	21.5	0
20	16QAM	50	24	19.81	20.08	19.95		
20	16QAM	50	50	19.90	20.14	19.89		
20	16QAM	100	0	19.96	20.21	19.96		
20	64QAM	1	0	19.88	20.01	19.80	21.5	0
20	64QAM	1	49	20.09	20.20	19.83		
20	64QAM	1	99	20.03	20.21	19.88		
20	64QAM	50	0	19.96	20.25	19.94	21.5	0
20	64QAM	50	24	19.87	20.23	19.91		
20	64QAM	50	50	20.05	20.10	20.11		
20	64QAM	100	0	19.87	20.28	19.80		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.90	20.08	19.92	21.5	0
15	QPSK	1	37	20.09	20.07	20.08		
15	QPSK	1	74	20.00	19.98	19.81		
15	QPSK	36	0	19.82	20.28	19.93	21.5	0
15	QPSK	36	20	20.13	19.93	20.00		
15	QPSK	36	39	19.99	20.08	19.82		
15	QPSK	75	0	19.81	19.95	19.78		
15	16QAM	1	0	20.04	20.16	19.78	21.5	0
15	16QAM	1	37	19.85	20.13	19.82		
15	16QAM	1	74	19.91	20.09	19.81		
15	16QAM	36	0	19.97	20.05	19.94	21.5	0
15	16QAM	36	20	19.70	20.05	19.77		
15	16QAM	36	39	19.86	20.02	19.89		
15	16QAM	75	0	19.74	20.20	19.84		
15	64QAM	1	0	19.81	20.02	19.76	21.5	0
15	64QAM	1	37	20.08	20.15	19.69		
15	64QAM	1	74	19.95	20.15	19.66		
15	64QAM	36	0	19.97	20.14	19.84	21.5	0
15	64QAM	36	20	19.66	20.03	19.73		
15	64QAM	36	39	20.03	19.89	20.06		
15	64QAM	75	0	19.99	20.15	19.90		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.99	20.27	19.87	21.5	0
10	QPSK	1	25	20.08	19.92	20.09		
10	QPSK	1	49	19.99	20.23	19.93		
10	QPSK	25	0	20.01	20.18	19.80	21.5	0
10	QPSK	25	12	19.97	20.03	20.03		
10	QPSK	25	25	19.80	20.09	19.89		
10	QPSK	50	0	20.05	20.11	19.74		
10	16QAM	1	0	19.91	20.11	19.79	21.5	0
10	16QAM	1	25	20.01	20.10	19.79		
10	16QAM	1	49	19.90	19.94	19.90		
10	16QAM	25	0	19.90	20.04	19.82	21.5	0
10	16QAM	25	12	19.63	20.09	19.95		
10	16QAM	25	25	19.80	20.12	19.69		
10	16QAM	50	0	19.94	20.12	19.79		
10	64QAM	1	0	19.87	20.25	19.87	21.5	0
10	64QAM	1	25	20.00	20.22	19.77		
10	64QAM	1	49	19.93	20.20	19.99		
10	64QAM	25	0	19.87	20.11	19.86	21.5	0
10	64QAM	25	12	19.87	20.26	19.92		
10	64QAM	25	25	19.85	20.00	20.12		
10	64QAM	50	0	19.93	20.26	19.90		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	19.94	20.19	19.98	21.5	0
5	QPSK	1	12	19.93	20.10	20.10		
5	QPSK	1	24	19.93	20.10	19.74		
5	QPSK	12	0	19.85	20.04	19.89	21.5	0
5	QPSK	12	7	19.98	19.96	19.89		
5	QPSK	12	13	19.64	20.09	19.88		
5	QPSK	25	0	19.89	20.00	19.77		
5	16QAM	1	0	20.02	20.28	19.79	21.5	0
5	16QAM	1	12	19.90	20.10	19.92		
5	16QAM	1	24	19.83	20.27	19.98		
5	16QAM	12	0	20.04	20.10	19.96	21.5	0
5	16QAM	12	7	19.79	19.95	19.92		
5	16QAM	12	13	19.70	19.92	19.74		
5	16QAM	25	0	19.90	20.08	19.93		
5	64QAM	1	0	19.74	19.95	19.64	21.5	0
5	64QAM	1	12	20.08	20.12	19.72		
5	64QAM	1	24	19.82	20.02	19.78		
5	64QAM	12	0	19.82	20.08	19.89	21.5	0
5	64QAM	12	7	19.80	20.07	19.81		
5	64QAM	12	13	19.99	19.91	20.02		
5	64QAM	25	0	19.78	20.18	19.69		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.97	20.08	19.80	21.5	0
3	QPSK	1	8	20.00	20.07	20.09		
3	QPSK	1	14	19.88	20.02	19.73		
3	QPSK	8	0	19.87	20.10	19.68	21.5	0
3	QPSK	8	4	20.12	20.09	19.92		
3	QPSK	8	7	19.74	19.96	19.69		
3	QPSK	15	0	19.93	19.93	19.84		
3	16QAM	1	0	19.84	20.24	19.80	21.5	0
3	16QAM	1	8	20.02	20.12	19.76		
3	16QAM	1	14	19.95	20.21	19.84		
3	16QAM	8	0	20.07	19.94	19.75	21.5	0
3	16QAM	8	4	19.74	19.92	19.90		
3	16QAM	8	7	19.74	19.95	19.67		
3	16QAM	15	0	19.95	20.12	19.96		
3	64QAM	1	0	19.95	20.25	19.95	21.5	0
3	64QAM	1	8	20.01	20.13	19.95		
3	64QAM	1	14	20.00	20.08	19.81		
3	64QAM	8	0	19.89	20.18	19.79	21.5	0
3	64QAM	8	4	19.86	20.13	19.93		
3	64QAM	8	7	19.99	20.03	19.99		
3	64QAM	15	0	19.92	20.16	19.87		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.90	20.20	19.75	21.5	0
1.4	QPSK	1	3	19.94	20.10	19.85		
1.4	QPSK	1	5	19.98	20.07	19.99		
1.4	QPSK	3	0	19.98	20.27	19.77		
1.4	QPSK	3	1	19.83	20.23	19.93		
1.4	QPSK	3	3	19.97	20.15	19.86		
1.4	QPSK	6	0	19.81	19.96	19.74	21.5	0
1.4	16QAM	1	0	19.94	20.08	19.66	21.5	0
1.4	16QAM	1	3	19.92	19.98	19.84		
1.4	16QAM	1	5	19.87	20.02	19.99		
1.4	16QAM	3	0	20.00	19.98	19.74		
1.4	16QAM	3	1	19.73	19.94	19.91		
1.4	16QAM	3	3	19.73	19.92	19.77		
1.4	16QAM	6	0	19.95	20.03	19.83	21.5	0
1.4	64QAM	1	0	19.73	19.89	19.62	21.5	0
1.4	64QAM	1	3	19.87	20.02	19.71		
1.4	64QAM	1	5	19.90	20.00	19.89		
1.4	64QAM	3	0	19.77	20.14	19.81		
1.4	64QAM	3	1	19.89	20.24	19.75		
1.4	64QAM	3	3	19.91	19.99	20.08		
1.4	64QAM	6	0	19.87	20.11	19.68	21.5	0

Band 4 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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.04	20.17	20.11	21.5	0
20	QPSK	1	49	20.01	20.14	20.05		
20	QPSK	1	99	20.08	20.05	20.01		
20	QPSK	50	0	20.03	20.12	20.10	21.5	0
20	QPSK	50	24	20.00	19.99	19.96		
20	QPSK	50	50	20.08	20.06	19.91		
20	QPSK	100	0	19.97	20.00	19.92		
20	16QAM	1	0	19.92	19.95	19.91	21.5	0
20	16QAM	1	49	20.05	20.05	19.94		
20	16QAM	1	99	19.95	20.15	20.11		
20	16QAM	50	0	19.93	20.04	19.96	21.5	0
20	16QAM	50	24	20.02	19.97	19.93		
20	16QAM	50	50	19.96	20.02	20.05		
20	16QAM	100	0	19.98	19.93	19.87		
20	64QAM	1	0	19.99	20.01	20.02	21.5	0
20	64QAM	1	49	19.85	19.95	20.12		
20	64QAM	1	99	19.90	20.12	19.97		
20	64QAM	50	0	20.08	19.97	19.86	21.5	0
20	64QAM	50	24	19.91	20.12	19.89		
20	64QAM	50	50	19.85	20.01	20.05		
20	64QAM	100	0	19.89	20.03	19.92		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.03	19.97	20.07	21.5	0
15	QPSK	1	37	19.83	20.15	19.87		
15	QPSK	1	74	19.91	19.92	20.02		
15	QPSK	36	0	19.89	20.08	20.04	21.5	0
15	QPSK	36	20	19.91	19.95	19.94		
15	QPSK	36	39	19.97	19.98	19.91		
15	QPSK	75	0	19.75	19.96	19.71		
15	16QAM	1	0	19.83	19.77	19.70	21.5	0
15	16QAM	1	37	20.06	19.93	19.73		
15	16QAM	1	74	19.77	20.01	20.03		
15	16QAM	36	0	19.86	20.04	19.84	21.5	0
15	16QAM	36	20	20.01	19.89	19.90		
15	16QAM	36	39	19.94	19.83	19.84		
15	16QAM	75	0	19.88	19.74	19.71		
15	64QAM	1	0	19.97	19.93	19.87	21.5	0
15	64QAM	1	37	19.87	19.84	20.01		
15	64QAM	1	74	19.89	20.01	19.91		
15	64QAM	36	0	20.10	19.76	19.72	21.5	0
15	64QAM	36	20	19.72	19.95	19.76		
15	64QAM	36	39	19.76	19.82	19.99		
15	64QAM	75	0	19.87	20.03	19.78		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	19.85	20.14	20.01	21.5	0
10	QPSK	1	25	20.02	20.11	20.06		
10	QPSK	1	49	19.87	19.87	19.94		
10	QPSK	25	0	20.04	20.14	19.90	21.5	0
10	QPSK	25	12	19.83	19.87	19.86		
10	QPSK	25	25	20.02	19.98	19.86		
10	QPSK	50	0	19.84	19.78	19.73		
10	16QAM	1	0	19.81	19.90	19.87	21.5	0
10	16QAM	1	25	20.07	19.88	19.78		
10	16QAM	1	49	19.86	19.94	19.96		
10	16QAM	25	0	19.86	20.05	19.89	21.5	0
10	16QAM	25	12	19.98	19.91	19.78		
10	16QAM	25	25	19.89	19.92	20.04		
10	16QAM	50	0	19.85	19.95	19.69		
10	64QAM	1	0	19.89	19.85	20.01	21.5	0
10	64QAM	1	25	19.74	19.83	20.11		
10	64QAM	1	49	19.91	19.99	19.99		
10	64QAM	25	0	20.08	19.79	19.83	21.5	0
10	64QAM	25	12	19.87	20.02	19.77		
10	64QAM	25	25	19.75	19.96	20.04		
10	64QAM	50	0	19.75	20.00	19.86		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	19.85	19.97	19.97	21.5	0
5	QPSK	1	12	19.89	20.10	19.87		
5	QPSK	1	24	19.94	19.99	19.90		
5	QPSK	12	0	19.94	20.14	20.06	21.5	0
5	QPSK	12	7	19.91	19.94	19.83		
5	QPSK	12	13	19.92	19.99	19.83		
5	QPSK	25	0	19.98	19.80	19.74		
5	16QAM	1	0	19.84	19.87	19.70	21.5	0
5	16QAM	1	12	19.92	19.97	19.93		
5	16QAM	1	24	19.91	20.06	20.08		
5	16QAM	12	0	19.81	19.85	19.79	21.5	0
5	16QAM	12	7	19.88	19.78	19.85		
5	16QAM	12	13	19.80	19.91	20.03		
5	16QAM	25	0	19.78	19.84	19.81		
5	64QAM	1	0	19.79	19.89	19.80	21.5	0
5	64QAM	1	12	19.66	19.90	19.92		
5	64QAM	1	24	19.85	20.08	19.76		
5	64QAM	12	0	20.04	19.91	19.71	21.5	0
5	64QAM	12	7	19.72	19.94	19.79		
5	64QAM	12	13	19.63	19.83	19.88		
5	64QAM	25	0	19.85	19.88	19.75		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	19.86	20.09	20.05	21.5	0
3	QPSK	1	8	19.98	20.03	19.98		
3	QPSK	1	14	19.87	19.93	19.97		
3	QPSK	8	0	20.05	20.00	20.07	21.5	0
3	QPSK	8	4	19.92	19.83	19.86		
3	QPSK	8	7	20.03	19.90	19.89		
3	QPSK	15	0	19.82	19.91	19.83		
3	16QAM	1	0	19.76	19.76	19.92	21.5	0
3	16QAM	1	8	19.86	19.99	19.94		
3	16QAM	1	14	19.79	19.93	20.05		
3	16QAM	8	0	19.84	19.83	19.78	21.5	0
3	16QAM	8	4	20.03	19.89	19.85		
3	16QAM	8	7	19.86	19.95	19.85		
3	16QAM	15	0	19.83	19.73	19.69		
3	64QAM	1	0	20.01	19.84	19.92	21.5	0
3	64QAM	1	8	19.65	19.77	20.01		
3	64QAM	1	14	19.81	19.92	19.96		
3	64QAM	8	0	20.07	19.96	19.70	21.5	0
3	64QAM	8	4	19.70	20.03	19.82		
3	64QAM	8	7	19.77	20.00	19.84		
3	64QAM	15	0	19.73	19.96	19.79		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.98	20.09	20.13	21.5	0
1.4	QPSK	1	3	19.98	20.10	20.05		
1.4	QPSK	1	5	20.10	20.06	19.80		
1.4	QPSK	3	0	19.94	20.01	20.14		
1.4	QPSK	3	1	19.91	19.82	19.87		
1.4	QPSK	3	3	20.03	20.00	19.89		
1.4	QPSK	6	0	19.98	19.84	19.87	21.5	0
1.4	16QAM	1	0	19.93	19.96	19.76	21.5	0
1.4	16QAM	1	3	19.97	20.02	19.88		
1.4	16QAM	1	5	19.93	20.09	19.98		
1.4	16QAM	3	0	19.82	19.94	19.90		
1.4	16QAM	3	1	19.99	19.92	19.72		
1.4	16QAM	3	3	19.88	19.85	19.92		
1.4	16QAM	6	0	19.86	19.81	19.83	21.5	0
1.4	64QAM	1	0	19.88	19.97	19.90	21.5	0
1.4	64QAM	1	3	19.78	19.86	20.04		
1.4	64QAM	1	5	19.87	19.92	19.76		
1.4	64QAM	3	0	20.04	19.80	19.64		
1.4	64QAM	3	1	19.85	20.11	19.89		
1.4	64QAM	3	3	19.85	20.00	19.90		
1.4	64QAM	6	0	19.75	20.02	19.85	21.5	0

Band 5 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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.15	24.24	24.13	25.5	0
10	QPSK	1	25	24.13	24.03	24.14		
10	QPSK	1	49	24.10	24.05	24.09		
10	QPSK	25	0	23.18	23.25	23.17	24.5	1
10	QPSK	25	12	23.20	23.19	23.18		
10	QPSK	25	25	23.10	23.07	23.11		
10	QPSK	50	0	23.07	23.23	23.12		
10	16QAM	1	0	23.19	23.19	23.23	24.5	1
10	16QAM	1	25	23.33	23.22	23.28		
10	16QAM	1	49	23.24	23.19	23.09		
10	16QAM	25	0	22.06	22.12	22.06	23.5	2
10	16QAM	25	12	22.21	22.18	22.25		
10	16QAM	25	25	22.13	22.15	22.02		
10	16QAM	50	0	22.30	22.07	22.08		
10	64QAM	1	0	22.21	22.14	22.07	23.5	2
10	64QAM	1	25	22.16	21.97	22.18		
10	64QAM	1	49	22.15	22.18	22.08		
10	64QAM	25	0	21.10	20.96	21.14	22.5	3
10	64QAM	25	12	21.18	21.10	21.16		
10	64QAM	25	25	21.25	21.08	21.15		
10	64QAM	50	0	21.14	20.96	21.11		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.06	24.08	23.99	25.5	0
5	QPSK	1	12	24.09	23.93	24.05		
5	QPSK	1	24	24.03	23.93	23.90		
5	QPSK	12	0	23.13	23.23	23.07	24.5	1
5	QPSK	12	7	23.21	23.10	22.96		
5	QPSK	12	13	22.93	23.01	22.91		
5	QPSK	25	0	23.00	23.03	23.02		
5	16QAM	1	0	23.21	23.12	23.20	24.5	1
5	16QAM	1	12	23.24	23.23	23.28		
5	16QAM	1	24	23.09	23.20	22.93		
5	16QAM	12	0	21.94	22.10	21.86	23.5	2
5	16QAM	12	7	22.07	21.96	22.09		
5	16QAM	12	13	22.05	22.01	21.81		
5	16QAM	25	0	22.23	21.91	22.05		
5	64QAM	1	0	22.16	21.95	21.88	23.5	2
5	64QAM	1	12	22.17	21.82	22.04		
5	64QAM	1	24	22.06	22.14	21.92		
5	64QAM	12	0	21.00	20.91	20.97	22.5	3
5	64QAM	12	7	21.03	21.06	21.05		
5	64QAM	12	13	21.14	20.96	20.95		
5	64QAM	25	0	21.09	20.97	20.95		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.16	24.14	23.99	25.5	0
3	QPSK	1	8	24.05	23.99	24.16		
3	QPSK	1	14	24.05	23.85	24.05		
3	QPSK	8	0	22.97	23.23	23.13	24.5	1
3	QPSK	8	4	23.12	23.18	23.11		
3	QPSK	8	7	23.00	22.96	23.12		
3	QPSK	15	0	23.06	23.17	22.95		
3	16QAM	1	0	23.03	23.04	23.22	24.5	1
3	16QAM	1	8	23.21	23.04	23.20		
3	16QAM	1	14	23.25	23.08	22.93		
3	16QAM	8	0	22.02	22.11	22.04	23.5	2
3	16QAM	8	4	22.04	22.08	22.06		
3	16QAM	8	7	22.13	22.12	22.01		
3	16QAM	15	0	22.17	21.87	22.00		
3	64QAM	1	0	22.04	22.04	21.92	23.5	2
3	64QAM	1	8	21.96	21.81	22.16		
3	64QAM	1	14	22.05	22.02	21.98		
3	64QAM	8	0	20.96	20.95	21.00	22.5	3
3	64QAM	8	4	20.97	21.08	20.99		
3	64QAM	8	7	21.19	21.04	20.95		
3	64QAM	15	0	21.02	20.91	21.03		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.02	24.00	23.93	25.5	0
1.4	QPSK	1	3	24.00	23.79	23.84		
1.4	QPSK	1	5	23.81	23.83	23.90		
1.4	QPSK	3	0	23.93	23.99	23.72		
1.4	QPSK	3	1	23.99	23.64	23.74		
1.4	QPSK	3	3	23.73	23.66	23.90		
1.4	QPSK	6	0	22.80	22.91	22.89	24.5	1
1.4	16QAM	1	0	22.92	22.98	23.10	24.5	1
1.4	16QAM	1	3	23.21	22.98	23.19		
1.4	16QAM	1	5	22.95	22.93	22.94		
1.4	16QAM	3	0	22.76	22.94	23.04		
1.4	16QAM	3	1	23.04	22.89	23.09		
1.4	16QAM	3	3	22.84	22.74	22.74		
1.4	16QAM	6	0	22.19	21.91	21.86	23.5	2
1.4	64QAM	1	0	22.07	22.00	21.84	23.5	2
1.4	64QAM	1	3	21.93	21.76	22.08		
1.4	64QAM	1	5	22.06	21.99	21.96		
1.4	64QAM	3	0	21.82	21.74	21.92		
1.4	64QAM	3	1	21.94	21.79	22.03		
1.4	64QAM	3	3	22.10	21.92	22.03		
1.4	64QAM	6	0	20.92	20.76	21.01	22.5	3

Band 7 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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.81	18.02	17.67	19.5	0
20	QPSK	1	49	17.93	17.75	17.73		
20	QPSK	1	99	17.91	17.87	17.64		
20	QPSK	50	0	17.68	17.87	17.82	19.5	0
20	QPSK	50	24	17.71	17.73	17.72		
20	QPSK	50	50	17.73	17.83	17.63		
20	QPSK	100	0	17.73	17.94	17.72		
20	16QAM	1	0	17.90	17.76	17.64	19.5	0
20	16QAM	1	49	17.83	17.81	17.54		
20	16QAM	1	99	17.80	17.93	17.64		
20	16QAM	50	0	17.81	17.61	17.62	19.5	0
20	16QAM	50	24	17.77	17.69	17.52		
20	16QAM	50	50	17.61	17.81	17.74		
20	16QAM	100	0	17.90	17.56	17.72		
20	64QAM	1	0	17.70	17.89	17.50	19.5	0
20	64QAM	1	49	17.73	17.96	17.67		
20	64QAM	1	99	17.80	17.56	17.52		
20	64QAM	50	0	17.81	17.69	17.73	19.5	0
20	64QAM	50	24	17.72	17.91	17.68		
20	64QAM	50	50	17.87	17.68	17.56		
20	64QAM	100	0	17.83	17.66	17.66		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	17.70	17.90	17.68	19.5	0
15	QPSK	1	37	17.74	17.69	17.63		
15	QPSK	1	74	17.71	17.67	17.59		
15	QPSK	36	0	17.82	17.70	17.69	19.5	0
15	QPSK	36	20	17.72	17.67	17.72		
15	QPSK	36	39	17.53	17.63	17.65		
15	QPSK	75	0	17.73	17.90	17.67		
15	16QAM	1	0	17.73	17.60	17.58	19.5	0
15	16QAM	1	37	17.69	17.72	17.71		
15	16QAM	1	74	17.79	17.80	17.60		
15	16QAM	36	0	17.75	17.53	17.50	19.5	0
15	16QAM	36	20	17.72	17.84	17.86		
15	16QAM	36	39	17.70	17.80	17.75		
15	16QAM	75	0	17.89	17.51	17.70		
15	64QAM	1	0	17.70	17.70	17.68	19.5	0
15	64QAM	1	37	17.61	17.94	17.59		
15	64QAM	1	74	17.60	17.56	17.51		
15	64QAM	36	0	17.80	17.61	17.76	19.5	0
15	64QAM	36	20	17.72	17.80	17.69		
15	64QAM	36	39	17.83	17.68	17.73		
15	64QAM	75	0	17.84	17.60	17.57		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	17.75	17.81	17.52	19.5	0
10	QPSK	1	25	17.84	17.72	17.70		
10	QPSK	1	49	17.81	17.86	17.65		
10	QPSK	25	0	17.61	17.81	17.71	19.5	0
10	QPSK	25	12	17.60	17.62	17.67		
10	QPSK	25	25	17.72	17.79	17.77		
10	QPSK	50	0	17.51	17.75	17.82		
10	16QAM	1	0	17.70	17.58	17.50	19.5	0
10	16QAM	1	25	17.79	17.76	17.54		
10	16QAM	1	49	17.79	17.86	17.68		
10	16QAM	25	0	17.75	17.51	17.57	19.5	0
10	16QAM	25	12	17.59	17.57	17.87		
10	16QAM	25	25	17.75	17.67	17.65		
10	16QAM	50	0	17.91	17.51	17.65		
10	64QAM	1	0	17.53	17.76	17.68	19.5	0
10	64QAM	1	25	17.56	17.76	17.60		
10	64QAM	1	49	17.72	17.54	17.75		
10	64QAM	25	0	17.75	17.55	17.71	19.5	0
10	64QAM	25	12	17.68	17.73	17.59		
10	64QAM	25	25	17.81	17.50	17.77		
10	64QAM	50	0	17.85	17.65	17.70		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	17.75	17.99	17.79	19.5	0
5	QPSK	1	12	17.76	17.74	17.64		
5	QPSK	1	24	17.76	17.83	17.80		
5	QPSK	12	0	17.67	17.86	17.77	19.5	0
5	QPSK	12	7	17.54	17.53	17.71		
5	QPSK	12	13	17.51	17.83	17.60		
5	QPSK	25	0	17.55	17.79	17.89		
5	16QAM	1	0	17.72	17.72	17.58	19.5	0
5	16QAM	1	12	17.76	17.78	17.67		
5	16QAM	1	24	17.78	17.87	17.65		
5	16QAM	12	0	17.73	17.50	17.63	19.5	0
5	16QAM	12	7	17.67	17.77	17.86		
5	16QAM	12	13	17.66	17.77	17.85		
5	16QAM	25	0	17.75	17.58	17.71		
5	64QAM	1	0	17.68	17.84	17.86	19.5	0
5	64QAM	1	12	17.59	17.88	17.59		
5	64QAM	1	24	17.59	17.50	17.71		
5	64QAM	12	0	17.74	17.68	17.69	19.5	0
5	64QAM	12	7	17.73	17.85	17.58		
5	64QAM	12	13	17.82	17.61	17.86		
5	64QAM	25	0	17.68	17.61	17.67		

Band 38 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				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	17.79	17.83	17.80	19.5	0
20	QPSK	1	49	17.79	17.69	17.67		
20	QPSK	1	99	17.55	17.72	17.77		
20	QPSK	50	0	17.73	17.82	17.70	19.5	0
20	QPSK	50	24	17.76	17.74	17.78		
20	QPSK	50	50	17.75	17.56	17.66		
20	QPSK	100	0	17.70	17.81	17.67		
20	16QAM	1	0	17.72	17.74	17.68	19.5	0
20	16QAM	1	49	17.76	17.79	17.78		
20	16QAM	1	99	17.69	17.73	17.57		
20	16QAM	50	0	17.52	17.68	17.78	19.5	0
20	16QAM	50	24	17.65	17.75	17.75		
20	16QAM	50	50	17.52	17.76	17.65		
20	16QAM	100	0	17.55	17.61	17.76		
20	64QAM	1	0	17.77	17.73	17.71	19.5	0
20	64QAM	1	49	17.77	17.73	17.59		
20	64QAM	1	99	17.80	17.75	17.79		
20	64QAM	50	0	17.58	17.76	17.72	19.5	0
20	64QAM	50	24	17.80	17.59	17.65		
20	64QAM	50	50	17.66	17.59	17.59		
20	64QAM	100	0	17.68	17.75	17.73		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	17.73	17.80	17.64	19.5	0
15	QPSK	1	37	17.76	17.63	17.65		
15	QPSK	1	74	17.59	17.73	17.73		
15	QPSK	36	0	17.75	17.73	17.63	19.5	0
15	QPSK	36	20	17.80	17.75	17.75		
15	QPSK	36	39	17.78	17.63	17.73		
15	QPSK	75	0	17.67	17.79	17.71		
15	16QAM	1	0	17.79	17.70	17.69	19.5	0
15	16QAM	1	37	17.73	17.79	17.81		
15	16QAM	1	74	17.69	17.65	17.51		
15	16QAM	36	0	17.50	17.65	17.81	19.5	0
15	16QAM	36	20	17.59	17.71	17.76		
15	16QAM	36	39	17.52	17.80	17.71		
15	16QAM	75	0	17.76	17.64	17.78		
15	64QAM	1	0	17.79	17.81	17.76	19.5	0
15	64QAM	1	37	17.70	17.81	17.55		
15	64QAM	1	74	17.73	17.77	17.72		
15	64QAM	36	0	17.58	17.73	17.79	19.5	0
15	64QAM	36	20	17.74	17.80	17.60		
15	64QAM	36	39	17.73	17.67	17.80		
15	64QAM	75	0	17.76	17.76	17.81		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	17.79	17.78	17.53	19.5	0
10	QPSK	1	25	17.74	17.67	17.63		
10	QPSK	1	49	17.60	17.64	17.74		
10	QPSK	25	0	17.71	17.55	17.75	19.5	0
10	QPSK	25	12	17.71	17.75	17.70		
10	QPSK	25	25	17.73	17.63	17.57		
10	QPSK	50	0	17.72	17.80	17.64		
10	16QAM	1	0	17.71	17.68	17.76	19.5	0
10	16QAM	1	25	17.74	17.71	17.80		
10	16QAM	1	49	17.66	17.76	17.58		
10	16QAM	25	0	17.80	17.76	17.74	19.5	0
10	16QAM	25	12	17.74	17.81	17.80		
10	16QAM	25	25	17.51	17.72	17.71		
10	16QAM	50	0	17.73	17.55	17.79		
10	64QAM	1	0	17.78	17.65	17.68	19.5	0
10	64QAM	1	25	17.79	17.71	17.66		
10	64QAM	1	49	17.55	17.66	17.80		
10	64QAM	25	0	17.80	17.80	17.80	19.5	0
10	64QAM	25	12	17.74	17.80	17.62		
10	64QAM	25	25	17.81	17.81	17.56		
10	64QAM	50	0	17.75	17.71	17.67		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	17.77	17.79	17.60	19.5	0
5	QPSK	1	12	17.73	17.78	17.67		
5	QPSK	1	24	17.53	17.72	17.81		
5	QPSK	12	0	17.81	17.74	17.74	19.5	0
5	QPSK	12	7	17.69	17.77	17.79		
5	QPSK	12	13	17.66	17.52	17.72		
5	QPSK	25	0	17.61	17.53	17.61		
5	16QAM	1	0	17.64	17.81	17.65	19.5	0
5	16QAM	1	12	17.74	17.71	17.80		
5	16QAM	1	24	17.70	17.70	17.62		
5	16QAM	12	0	17.52	17.70	17.75	19.5	0
5	16QAM	12	7	17.72	17.67	17.74		
5	16QAM	12	13	17.80	17.76	17.71		
5	16QAM	25	0	17.80	17.60	17.74		
5	64QAM	1	0	17.81	17.66	17.73	19.5	0
5	64QAM	1	12	17.75	17.66	17.55		
5	64QAM	1	24	17.74	17.74	17.79		
5	64QAM	12	0	17.65	17.81	17.75	19.5	0
5	64QAM	12	7	17.72	17.80	17.69		
5	64QAM	12	13	17.80	17.76	17.80		
5	64QAM	25	0	17.73	17.77	17.78		

Band 41 (2.6G Band) Ant1 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	17.75	17.70	18.00	17.71	19.5	0
20	QPSK	1	49	17.50	17.82	17.65	17.81		
20	QPSK	1	99	17.54	17.67	17.95	17.63		
20	QPSK	50	0	17.65	17.82	17.93	17.73	19.5	0
20	QPSK	50	24	17.63	17.65	17.68	17.69		
20	QPSK	50	50	17.67	17.69	17.85	17.63		
20	QPSK	100	0	17.71	17.79	17.91	17.66		
20	16QAM	1	0	17.58	17.74	17.87	17.60	19.5	0
20	16QAM	1	49	17.63	17.78	17.79	17.82		
20	16QAM	1	99	17.63	17.50	17.81	17.58		
20	16QAM	50	0	17.53	17.62	17.80	17.72	19.5	0
20	16QAM	50	24	17.96	17.71	17.74	17.62		
20	16QAM	50	50	17.57	17.64	17.77	17.94		
20	16QAM	100	0	17.81	17.69	17.98	17.78		
20	64QAM	1	0	17.59	17.67	17.57	17.58	19.5	0
20	64QAM	1	49	17.63	17.67	17.71	17.65		
20	64QAM	1	99	17.54	17.64	17.63	17.57		
20	64QAM	50	0	17.77	17.63	17.67	17.71	19.5	0
20	64QAM	50	24	17.54	17.70	17.61	17.63		
20	64QAM	50	50	17.79	17.55	17.94	17.53		
20	64QAM	100	0	17.65	17.51	17.84	17.66		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	17.63	17.76	17.94	17.73	19.5	0
15	QPSK	1	37	17.55	17.93	17.67	17.73		
15	QPSK	1	74	17.89	17.57	17.73	17.99		
15	QPSK	36	0	17.61	17.75	17.94	17.62	19.5	0
15	QPSK	36	20	17.66	17.66	17.71	17.66		
15	QPSK	36	39	17.79	17.65	17.76	17.75		
15	QPSK	75	0	17.67	17.90	17.96	17.60		
15	16QAM	1	0	17.68	17.64	17.90	17.51	19.5	0
15	16QAM	1	37	17.68	17.77	17.80	17.74		
15	16QAM	1	74	17.54	17.59	17.80	17.52		
15	16QAM	36	0	17.65	17.54	17.91	17.73	19.5	0
15	16QAM	36	20	17.90	17.80	17.77	17.66		
15	16QAM	36	39	17.53	17.61	17.83	17.79		
15	16QAM	75	0	17.86	17.64	17.69	17.67		
15	64QAM	1	0	17.54	17.69	17.67	17.68	19.5	0
15	64QAM	1	37	17.67	17.58	17.66	17.61		
15	64QAM	1	74	17.55	17.69	17.58	17.59		
15	64QAM	36	0	17.82	17.64	17.79	17.79	19.5	0
15	64QAM	36	20	17.94	17.86	17.69	17.69		
15	64QAM	36	39	17.95	17.61	17.86	17.55		
15	64QAM	75	0	17.61	17.50	17.83	17.67		
Channel				40090	40390	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	17.76	17.60	17.99	17.78	19.5	0
10	QPSK	1	25	17.59	17.78	17.54	17.92		
10	QPSK	1	49	17.62	17.59	17.98	17.68		
10	QPSK	25	0	17.62	17.73	17.91	17.82	19.5	0
10	QPSK	25	12	17.56	17.61	17.74	17.65		
10	QPSK	25	25	17.79	17.68	17.96	17.68		
10	QPSK	50	0	17.66	17.90	17.94	17.59		
10	16QAM	1	0	17.61	17.76	17.93	17.55	19.5	0
10	16QAM	1	25	17.54	17.88	17.86	17.79		
10	16QAM	1	49	17.69	17.53	17.91	17.56		
10	16QAM	25	0	17.87	17.82	17.99	17.68	19.5	0
10	16QAM	25	12	17.61	17.77	17.72	17.90		
10	16QAM	25	25	17.62	17.75	17.61	17.68		
10	16QAM	50	0	17.81	17.76	17.87	17.88		
10	64QAM	1	0	17.69	17.62	17.94	17.50	19.5	0
10	64QAM	1	25	17.62	17.63	17.72	17.73		
10	64QAM	1	49	17.97	17.67	17.56	17.53		
10	64QAM	25	0	17.86	17.53	17.67	17.72	19.5	0
10	64QAM	25	12	17.52	17.67	17.51	17.57		
10	64QAM	25	25	17.80	17.65	17.89	17.53		
10	64QAM	50	0	17.57	17.54	17.96	17.54		
Channel				40065	40385	40705	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	17.83	17.81	17.95	17.70	19.5	0
5	QPSK	1	12	17.60	17.81	17.55	17.75		
5	QPSK	1	24	17.54	17.62	17.96	17.63		
5	QPSK	12	0	17.62	17.75	17.82	17.69	19.5	0
5	QPSK	12	7	17.51	17.75	17.77	17.59		
5	QPSK	12	13	17.57	17.61	17.97	17.75		
5	QPSK	25	0	17.74	17.69	17.89	17.64		
5	16QAM	1	0	17.56	17.83	17.79	17.68	19.5	0
5	16QAM	1	12	17.52	17.73	17.71	17.85		
5	16QAM	1	24	17.63	17.59	17.88	17.51		
5	16QAM	12	0	17.79	17.73	17.76	17.83	19.5	0
5	16QAM	12	7	17.91	17.91	17.57	17.78		
5	16QAM	12	13	17.58	17.55	17.85	17.75		
5	16QAM	25	0	17.85	17.64	17.89	17.67		
5	64QAM	1	0	17.69	17.75	17.52	17.61	19.5	0
5	64QAM	1	12	17.58	17.74	17.76	17.73		
5	64QAM	1	24	17.57	17.65	17.71	17.64		
5	64QAM	12	0	17.73	17.60	17.79	17.71	19.5	0
5	64QAM	12	7	17.88	17.74	17.53	17.65		
5	64QAM	12	13	17.81	17.52	17.89	17.57		
5	64QAM	25	0	17.66	17.69	17.88	17.65		

GSM850 Ant 2 DSI4

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

GSM1900 Ant 2 DSI4

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	26.20	25.93	26.07	27.00	17.20	16.93	17.07	18.00
GPRS 1 Tx slot	26.16	25.88	25.95	27.00	17.16	16.88	16.95	18.00
GPRS 2 Tx slots	22.69	22.39	22.55	23.50	16.69	16.39	16.55	17.50
GPRS 3 Tx slots	21.07	21.11	21.05	22.50	16.81	16.85	16.79	18.24
GPRS 4 Tx slots	19.49	19.28	19.61	20.50	16.49	16.28	16.61	17.50
EDGE 1 Tx slot	26.21	25.92	25.96	27.00	17.21	16.92	16.96	18.00
EDGE 2 Tx slots	23.05	22.70	22.82	23.50	17.05	16.70	16.82	17.50
EDGE 3 Tx slots	21.30	20.91	20.90	22.00	17.04	16.65	16.64	17.74
EDGE 4 Tx slots	19.98	19.92	19.64	20.50	16.98	16.92	16.64	17.50

WCDMA II Ant 2 DSI4 / WCDMA IV Ant 2 DSI4 / WCDMA V Ant 2 DSI4

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	17.25	17.34	17.29	18.00	18.19	18.23	18.18	18.50	24.44	24.50	24.46	25.50
3GPP Rel 99	RMC 12.2Kbps	17.29	17.38	17.32	18.00	18.24	18.27	18.22	18.50	24.56	24.59	24.53	25.50
3GPP Rel 6	HSDPA Subtest-1	15.38	15.40	15.35	16.00	16.35	16.34	16.29	16.50	23.56	23.49	23.58	24.50
3GPP Rel 6	HSDPA Subtest-2	15.26	15.33	15.28	16.00	16.35	16.20	16.13	16.50	23.49	23.38	23.42	24.50
3GPP Rel 6	HSDPA Subtest-3	14.71	14.80	14.88	16.00	15.88	15.76	15.71	16.50	23.01	22.90	22.94	24.50
3GPP Rel 6	HSDPA Subtest-4	14.82	14.85	14.82	16.00	15.84	15.71	15.60	16.50	23.03	22.90	22.92	24.50
3GPP Rel 8	DC-HSDPA Subtest-1	15.33	15.46	15.35	16.00	16.28	16.28	16.18	16.50	23.45	23.53	23.69	25.00
3GPP Rel 8	DC-HSDPA Subtest-2	15.37	15.28	15.36	16.00	16.44	16.08	16.10	16.50	23.51	23.49	23.32	25.00
3GPP Rel 8	DC-HSDPA Subtest-3	14.75	14.80	14.81	16.00	15.86	15.87	15.67	16.50	22.97	22.97	22.85	24.50
3GPP Rel 8	DC-HSDPA Subtest-4	14.93	14.87	14.82	16.00	15.87	15.65	15.64	16.50	22.91	23.00	23.01	24.50
3GPP Rel 6	HSUPA Subtest-1	15.25	15.37	15.20	16.00	16.29	16.37	16.22	16.50	21.52	21.43	21.49	23.00
3GPP Rel 6	HSUPA Subtest-2	13.32	13.37	13.39	15.00	14.38	14.45	14.39	15.50	21.49	21.43	21.40	23.00
3GPP Rel 6	HSUPA Subtest-3	14.36	14.43	14.41	16.00	15.30	15.42	15.38	16.50	22.52	22.38	22.48	24.00
3GPP Rel 6	HSUPA Subtest-4	13.35	13.42	13.42	15.00	14.34	14.44	14.37	15.50	20.97	20.90	20.95	22.50
3GPP Rel 6	HSUPA Subtest-5	15.28	15.38	15.27	16.00	16.28	16.35	16.31	16.50	22.37	22.37	22.37	24.00

Band 2 Ant2 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	16.70	16.94	16.82	18	0
20	QPSK	1	49	16.74	16.74	16.83		
20	QPSK	1	99	16.61	16.54	16.56		
20	QPSK	50	0	16.62	16.80	16.50	18	0
20	QPSK	50	24	16.51	16.62	16.77		
20	QPSK	50	50	16.45	16.58	16.75		
20	QPSK	100	0	16.50	16.64	16.60		
20	16QAM	1	0	16.51	16.71	16.78	18	0
20	16QAM	1	49	16.76	16.86	16.63		
20	16QAM	1	99	16.58	16.77	16.84		
20	16QAM	50	0	16.70	16.50	16.45	18	0
20	16QAM	50	24	16.59	16.81	16.66		
20	16QAM	50	50	16.49	16.74	16.81		
20	16QAM	100	0	16.53	16.86	16.57		
20	64QAM	1	0	16.60	16.62	16.58	18	0
20	64QAM	1	49	16.65	16.70	16.65		
20	64QAM	1	99	16.67	16.70	16.55		
20	64QAM	50	0	16.74	16.76	16.53	18	0
20	64QAM	50	24	16.57	16.73	16.77		
20	64QAM	50	50	16.57	16.79	16.69		
20	64QAM	100	0	16.53	16.91	16.65		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	16.52	16.79	16.77	18	0
15	QPSK	1	37	16.55	16.72	16.69		
15	QPSK	1	74	16.54	16.41	16.44		
15	QPSK	36	0	16.56	16.62	16.33	18	0
15	QPSK	36	20	16.43	16.49	16.66		
15	QPSK	36	39	16.34	16.50	16.56		
15	QPSK	75	0	16.50	16.52	16.62		
15	16QAM	1	0	16.41	16.57	16.57	18	0
15	16QAM	1	37	16.68	16.68	16.60		
15	16QAM	1	74	16.39	16.59	16.85		
15	16QAM	36	0	16.72	16.29	16.43	18	0
15	16QAM	36	20	16.44	16.67	16.61		
15	16QAM	36	39	16.27	16.74	16.69		
15	16QAM	75	0	16.44	16.70	16.46		
15	64QAM	1	0	16.61	16.49	16.37	18	0
15	64QAM	1	37	16.51	16.50	16.53		
15	64QAM	1	74	16.62	16.61	16.42		
15	64QAM	36	0	16.68	16.68	16.33	18	0
15	64QAM	36	20	16.38	16.53	16.74		
15	64QAM	36	39	16.52	16.73	16.49		
15	64QAM	75	0	16.50	16.89	16.61		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	16.61	16.74	16.83	18	0
10	QPSK	1	25	16.56	16.56	16.65		
10	QPSK	1	49	16.58	16.54	16.43		
10	QPSK	25	0	16.46	16.70	16.47	18	0
10	QPSK	25	12	16.52	16.61	16.77		
10	QPSK	25	25	16.36	16.38	16.53		
10	QPSK	50	0	16.34	16.43	16.51		
10	16QAM	1	0	16.47	16.61	16.62	18	0
10	16QAM	1	25	16.74	16.76	16.46		
10	16QAM	1	49	16.42	16.55	16.84		
10	16QAM	25	0	16.63	16.52	16.34	18	0
10	16QAM	25	12	16.55	16.60	16.58		
10	16QAM	25	25	16.46	16.74	16.75		
10	16QAM	50	0	16.47	16.73	16.37		
10	64QAM	1	0	16.61	16.49	16.51	18	0
10	64QAM	1	25	16.46	16.59	16.55		
10	64QAM	1	49	16.68	16.60	16.48		
10	64QAM	25	0	16.59	16.74	16.43	18	0
10	64QAM	25	12	16.55	16.69	16.58		
10	64QAM	25	25	16.53	16.64	16.61		
10	64QAM	50	0	16.36	16.83	16.43		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	16.50	16.76	16.78	18	0
5	QPSK	1	12	16.57	16.61	16.71		
5	QPSK	1	24	16.53	16.40	16.48		
5	QPSK	12	0	16.63	16.72	16.38	18	0
5	QPSK	12	7	16.40	16.44	16.55		
5	QPSK	12	13	16.39	16.40	16.55		
5	QPSK	25	0	16.37	16.42	16.58		
5	16QAM	1	0	16.38	16.59	16.73	18	0
5	16QAM	1	12	16.55	16.73	16.44		
5	16QAM	1	24	16.51	16.68	16.62		
5	16QAM	12	0	16.59	16.45	16.45	18	0
5	16QAM	12	7	16.56	16.72	16.68		
5	16QAM	12	13	16.36	16.67	16.62		
5	16QAM	25	0	16.32	16.76	16.52		
5	64QAM	1	0	16.39	16.50	16.58	18	0
5	64QAM	1	12	16.59	16.60	16.48		
5	64QAM	1	24	16.59	16.60	16.42		
5	64QAM	12	0	16.66	16.77	16.54	18	0
5	64QAM	12	7	16.53	16.53	16.56		
5	64QAM	12	13	16.55	16.61	16.50		
5	64QAM	25	0	16.35	16.77	16.67		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	16.59	16.82	16.82	18	0
3	QPSK	1	8	16.76	16.54	16.75		
3	QPSK	1	14	16.51	16.44	16.54		
3	QPSK	8	0	16.64	16.70	16.29	18	0
3	QPSK	8	4	16.31	16.53	16.57		
3	QPSK	8	7	16.44	16.55	16.62		
3	QPSK	15	0	16.46	16.57	16.39		
3	16QAM	1	0	16.35	16.51	16.63	18	0
3	16QAM	1	8	16.78	16.66	16.43		
3	16QAM	1	14	16.58	16.70	16.84		
3	16QAM	8	0	16.67	16.30	16.36	18	0
3	16QAM	8	4	16.42	16.72	16.67		
3	16QAM	8	7	16.31	16.59	16.75		
3	16QAM	15	0	16.34	16.83	16.40		
3	64QAM	1	0	16.45	16.49	16.41	18	0
3	64QAM	1	8	16.51	16.70	16.51		
3	64QAM	1	14	16.65	16.52	16.35		
3	64QAM	8	0	16.62	16.56	16.36	18	0
3	64QAM	8	4	16.49	16.64	16.70		
3	64QAM	8	7	16.39	16.76	16.55		
3	64QAM	15	0	16.50	16.82	16.44		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	16.64	16.73	16.62	18	0
1.4	QPSK	1	3	16.56	16.60	16.64		
1.4	QPSK	1	5	16.57	16.33	16.57		
1.4	QPSK	3	0	16.53	16.58	16.37		
1.4	QPSK	3	1	16.32	16.58	16.73		
1.4	QPSK	3	3	16.46	16.36	16.55		
1.4	QPSK	6	0	16.42	16.61	16.40	18	0
1.4	16QAM	1	0	16.52	16.54	16.73	18	0
1.4	16QAM	1	3	16.76	16.81	16.52		
1.4	16QAM	1	5	16.57	16.71	16.82		
1.4	16QAM	3	0	16.69	16.46	16.41		
1.4	16QAM	3	1	16.52	16.68	16.59		
1.4	16QAM	3	3	16.29	16.69	16.78		
1.4	16QAM	6	0	16.41	16.85	16.45	18	0
1.4	64QAM	1	0	16.48	16.54	16.54	18	0
1.4	64QAM	1	3	16.64	16.54	16.47		
1.4	64QAM	1	5	16.54	16.68	16.57		
1.4	64QAM	3	0	16.64	16.63	16.35		
1.4	64QAM	3	1	16.52	16.54	16.77		
1.4	64QAM	3	3	16.37	16.70	16.58		
1.4	64QAM	6	0	16.51	16.84	16.66	18	0

Band 4 Ant2 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	17.66	17.95	17.73	19	0
20	QPSK	1	49	17.81	17.78	17.76		
20	QPSK	1	99	17.74	17.80	17.63		
20	QPSK	50	0	17.63	17.92	17.66	19	0
20	QPSK	50	24	17.90	17.68	17.79		
20	QPSK	50	50	17.84	17.55	17.58		
20	QPSK	100	0	17.80	17.88	17.62		
20	16QAM	1	0	17.62	17.76	17.58	19	0
20	16QAM	1	49	17.63	17.78	17.79		
20	16QAM	1	99	17.60	17.77	17.64		
20	16QAM	50	0	17.47	17.65	17.66	19	0
20	16QAM	50	24	17.58	17.64	17.75		
20	16QAM	50	50	17.80	17.54	17.61		
20	16QAM	100	0	17.77	17.76	17.83		
20	64QAM	1	0	17.73	17.79	17.51	19	0
20	64QAM	1	49	17.47	17.87	17.70		
20	64QAM	1	99	17.55	17.67	17.52		
20	64QAM	50	0	17.53	17.74	17.43	19	0
20	64QAM	50	24	17.66	17.91	17.58		
20	64QAM	50	50	17.89	17.62	17.75		
20	64QAM	100	0	17.79	17.50	17.61		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	17.48	17.84	17.70	19	0
15	QPSK	1	37	17.70	17.78	17.69		
15	QPSK	1	74	17.63	17.64	17.57		
15	QPSK	36	0	17.44	17.76	17.65	19	0
15	QPSK	36	20	17.71	17.52	17.62		
15	QPSK	36	39	17.72	17.44	17.52		
15	QPSK	75	0	17.69	17.49	17.45		
15	16QAM	1	0	17.41	17.71	17.48	19	0
15	16QAM	1	37	17.62	17.58	17.57		
15	16QAM	1	74	17.57	17.76	17.46		
15	16QAM	36	0	17.35	17.51	17.55	19	0
15	16QAM	36	20	17.49	17.61	17.72		
15	16QAM	36	39	17.76	17.47	17.43		
15	16QAM	75	0	17.58	17.56	17.82		
15	64QAM	1	0	17.73	17.61	17.32	19	0
15	64QAM	1	37	17.44	17.68	17.65		
15	64QAM	1	74	17.50	17.62	17.50		
15	64QAM	36	0	17.48	17.70	17.42	19	0
15	64QAM	36	20	17.52	17.92	17.48		
15	64QAM	36	39	17.88	17.44	17.57		
15	64QAM	75	0	17.67	17.50	17.54		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	17.60	17.75	17.62	19	0
10	QPSK	1	25	17.77	17.69	17.59		
10	QPSK	1	49	17.63	17.69	17.63		
10	QPSK	25	0	17.41	17.77	17.46	19	0
10	QPSK	25	12	17.82	17.68	17.78		
10	QPSK	25	25	17.72	17.41	17.55		
10	QPSK	50	0	17.76	17.57	17.61		
10	16QAM	1	0	17.45	17.55	17.36	19	0
10	16QAM	1	25	17.48	17.77	17.62		
10	16QAM	1	49	17.61	17.74	17.58		
10	16QAM	25	0	17.32	17.47	17.50	19	0
10	16QAM	25	12	17.40	17.42	17.75		
10	16QAM	25	25	17.80	17.41	17.46		
10	16QAM	50	0	17.57	17.65	17.71		
10	64QAM	1	0	17.64	17.63	17.52	19	0
10	64QAM	1	25	17.46	17.74	17.68		
10	64QAM	1	49	17.34	17.49	17.49		
10	64QAM	25	0	17.42	17.66	17.37	19	0
10	64QAM	25	12	17.62	17.71	17.50		
10	64QAM	25	25	17.80	17.42	17.59		
10	64QAM	50	0	17.60	17.32	17.43		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	17.46	17.80	17.73	19	0
5	QPSK	1	12	17.76	17.57	17.65		
5	QPSK	1	24	17.71	17.81	17.64		
5	QPSK	12	0	17.44	17.70	17.58	19	0
5	QPSK	12	7	17.75	17.67	17.75		
5	QPSK	12	13	17.80	17.39	17.58		
5	QPSK	25	0	17.76	17.58	17.47		
5	16QAM	1	0	17.49	17.63	17.52	19	0
5	16QAM	1	12	17.42	17.75	17.68		
5	16QAM	1	24	17.45	17.72	17.43		
5	16QAM	12	0	17.42	17.63	17.59	19	0
5	16QAM	12	7	17.58	17.62	17.58		
5	16QAM	12	13	17.65	17.39	17.57		
5	16QAM	25	0	17.71	17.75	17.62		
5	64QAM	1	0	17.61	17.60	17.40	19	0
5	64QAM	1	12	17.42	17.66	17.58		
5	64QAM	1	24	17.50	17.47	17.51		
5	64QAM	12	0	17.52	17.70	17.39	19	0
5	64QAM	12	7	17.58	17.84	17.52		
5	64QAM	12	13	17.72	17.62	17.60		
5	64QAM	25	0	17.66	17.30	17.49		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	17.59	17.82	17.62	19	0
3	QPSK	1	8	17.72	17.79	17.59		
3	QPSK	1	14	17.62	17.70	17.55		
3	QPSK	8	0	17.43	17.65	17.56	19	0
3	QPSK	8	4	17.85	17.54	17.70		
3	QPSK	8	7	17.78	17.38	17.49		
3	QPSK	15	0	17.58	17.48	17.43		
3	16QAM	1	0	17.60	17.77	17.55	19	0
3	16QAM	1	8	17.44	17.73	17.69		
3	16QAM	1	14	17.58	17.65	17.59		
3	16QAM	8	0	17.47	17.51	17.60	19	0
3	16QAM	8	4	17.46	17.45	17.62		
3	16QAM	8	7	17.61	17.54	17.57		
3	16QAM	15	0	17.58	17.59	17.78		
3	64QAM	1	0	17.70	17.79	17.36	19	0
3	64QAM	1	8	17.44	17.75	17.72		
3	64QAM	1	14	17.55	17.65	17.38		
3	64QAM	8	0	17.43	17.63	17.44	19	0
3	64QAM	8	4	17.47	17.87	17.37		
3	64QAM	8	7	17.69	17.44	17.61		
3	64QAM	15	0	17.66	17.30	17.60		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	17.47	17.82	17.52	19	0
1.4	QPSK	1	3	17.69	17.63	17.54		
1.4	QPSK	1	5	17.70	17.74	17.42		
1.4	QPSK	3	0	17.47	17.81	17.58		
1.4	QPSK	3	1	17.74	17.69	17.72		
1.4	QPSK	3	3	17.73	17.40	17.54		
1.4	QPSK	6	0	17.77	17.60	17.41	19	0
1.4	16QAM	1	0	17.57	17.57	17.38	19	0
1.4	16QAM	1	3	17.61	17.70	17.58		
1.4	16QAM	1	5	17.60	17.79	17.48		
1.4	16QAM	3	0	17.31	17.49	17.44		
1.4	16QAM	3	1	17.55	17.53	17.74		
1.4	16QAM	3	3	17.70	17.40	17.53		
1.4	16QAM	6	0	17.58	17.75	17.61	19	0
1.4	64QAM	1	0	17.67	17.72	17.46	19	0
1.4	64QAM	1	3	17.41	17.74	17.49		
1.4	64QAM	1	5	17.55	17.49	17.48		
1.4	64QAM	3	0	17.40	17.75	17.35		
1.4	64QAM	3	1	17.45	17.84	17.56		
1.4	64QAM	3	3	17.71	17.50	17.58		
1.4	64QAM	6	0	17.70	17.36	17.57	19	0

Band 5 Ant2 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.33	24.46	24.30	25.5	0
10	QPSK	1	25	24.34	24.36	24.40		
10	QPSK	1	49	24.32	24.34	24.34		
10	QPSK	25	0	23.37	23.44	23.28	24.5	1
10	QPSK	25	12	23.34	23.42	23.37		
10	QPSK	25	25	23.41	23.36	23.39		
10	QPSK	50	0	23.34	23.43	23.41		
10	16QAM	1	0	23.56	23.53	23.53	24.5	1
10	16QAM	1	25	23.64	23.60	23.59		
10	16QAM	1	49	23.52	23.56	23.45		
10	16QAM	25	0	22.40	22.23	22.40	23.5	2
10	16QAM	25	12	22.39	22.37	22.45		
10	16QAM	25	25	22.42	22.32	22.30		
10	16QAM	50	0	22.44	22.31	22.38		
10	64QAM	1	0	22.48	22.43	22.38	23.5	2
10	64QAM	1	25	22.54	22.48	22.48		
10	64QAM	1	49	22.43	22.46	22.39		
10	64QAM	25	0	21.40	21.23	21.39	22.5	3
10	64QAM	25	12	21.40	21.37	21.43		
10	64QAM	25	25	21.41	21.31	21.31		
10	64QAM	50	0	21.41	21.29	21.37		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.10	24.28	24.33	25.5	0
5	QPSK	1	12	24.23	24.34	24.31		
5	QPSK	1	24	24.21	24.21	24.21		
5	QPSK	12	0	23.29	23.24	23.29	24.5	1
5	QPSK	12	7	23.33	23.34	23.29		
5	QPSK	12	13	23.21	23.28	23.37		
5	QPSK	25	0	23.28	23.26	23.28		
5	16QAM	1	0	23.35	23.33	23.36	24.5	1
5	16QAM	1	12	23.49	23.46	23.18		
5	16QAM	1	24	23.24	23.26	23.30		
5	16QAM	12	0	22.31	22.19	22.21	23.5	2
5	16QAM	12	7	22.30	22.34	22.33		
5	16QAM	12	13	22.19	22.19	22.27		
5	16QAM	25	0	22.33	22.11	22.19		
5	64QAM	1	0	22.28	22.11	22.17	23.5	2
5	64QAM	1	12	22.24	22.40	22.39		
5	64QAM	1	24	22.33	22.29	22.28		
5	64QAM	12	0	21.13	21.22	21.25	22.5	3
5	64QAM	12	7	21.32	21.32	21.30		
5	64QAM	12	13	21.19	21.21	21.20		
5	64QAM	25	0	21.26	21.26	21.33		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	23.94	23.96	23.89	25.5	0
3	QPSK	1	8	24.26	23.97	24.05		
3	QPSK	1	14	24.14	23.93	23.99		
3	QPSK	8	0	23.18	23.10	23.13	24.5	1
3	QPSK	8	4	23.18	23.21	23.27		
3	QPSK	8	7	23.12	23.12	23.19		
3	QPSK	15	0	23.19	23.10	23.13		
3	16QAM	1	0	23.15	22.93	23.14	24.5	1
3	16QAM	1	8	23.17	22.82	23.04		
3	16QAM	1	14	23.16	23.11	22.86		
3	16QAM	8	0	22.13	22.20	22.16	23.5	2
3	16QAM	8	4	22.28	22.27	22.17		
3	16QAM	8	7	22.29	22.18	22.12		
3	16QAM	15	0	22.13	22.11	22.14		
3	64QAM	1	0	22.15	21.98	21.76	23.5	2
3	64QAM	1	8	21.92	22.12	22.01		
3	64QAM	1	14	22.05	21.98	21.97		
3	64QAM	8	0	21.17	21.19	21.06	22.5	3
3	64QAM	8	4	21.18	21.19	21.21		
3	64QAM	8	7	21.10	21.03	21.18		
3	64QAM	15	0	21.06	21.19	21.08		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.13	24.11	24.10	25.5	0
1.4	QPSK	1	3	24.25	24.21	24.28		
1.4	QPSK	1	5	24.20	24.12	24.18		
1.4	QPSK	3	0	24.18	24.05	24.08		
1.4	QPSK	3	1	24.24	24.14	24.17		
1.4	QPSK	3	3	24.23	24.18	24.18		
1.4	QPSK	6	0	23.29	23.28	23.28	24.5	1
1.4	16QAM	1	0	23.33	23.39	23.34	24.5	1
1.4	16QAM	1	3	23.14	23.18	23.14		
1.4	16QAM	1	5	23.24	23.17	23.26		
1.4	16QAM	3	0	23.25	23.01	23.05		
1.4	16QAM	3	1	23.19	23.03	22.98		
1.4	16QAM	3	3	23.12	23.08	23.07		
1.4	16QAM	6	0	22.19	22.26	22.34	23.5	2
1.4	64QAM	1	0	22.10	22.10	22.05	23.5	2
1.4	64QAM	1	3	22.02	22.06	22.10		
1.4	64QAM	1	5	22.11	21.95	21.89		
1.4	64QAM	3	0	22.18	22.24	22.12		
1.4	64QAM	3	1	22.06	21.99	22.10		
1.4	64QAM	3	3	22.15	22.21	22.11		
1.4	64QAM	6	0	21.20	21.22	21.14	22.5	3

Band 7 Ant2 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.57	17.97	17.74	19	0
20	QPSK	1	49	17.81	17.71	17.87		
20	QPSK	1	99	17.66	17.78	17.65		
20	QPSK	50	0	17.50	17.88	17.53	19	0
20	QPSK	50	24	17.77	17.53	17.84		
20	QPSK	50	50	17.55	17.59	17.63		
20	QPSK	100	0	17.39	17.84	17.74		
20	16QAM	1	0	17.81	17.69	17.69	19	0
20	16QAM	1	49	17.63	17.68	17.57		
20	16QAM	1	99	17.57	17.95	17.66		
20	16QAM	50	0	17.72	17.67	17.77	19	0
20	16QAM	50	24	17.58	17.76	17.52		
20	16QAM	50	50	17.56	17.80	17.67		
20	16QAM	100	0	17.61	17.58	17.70		
20	64QAM	1	0	17.43	17.91	17.62	19	0
20	64QAM	1	49	17.77	17.65	17.85		
20	64QAM	1	99	17.52	17.73	17.47		
20	64QAM	50	0	17.44	17.78	17.58	19	0
20	64QAM	50	24	17.57	17.77	17.54		
20	64QAM	50	50	17.75	17.59	17.84		
20	64QAM	100	0	17.45	17.67	17.51		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	17.54	17.76	17.54	19	0
15	QPSK	1	37	17.70	17.54	17.67		
15	QPSK	1	74	17.50	17.73	17.60		
15	QPSK	36	0	17.34	17.81	17.44	19	0
15	QPSK	36	20	17.79	17.45	17.83		
15	QPSK	36	39	17.50	17.44	17.44		
15	QPSK	75	0	17.19	17.69	17.64		
15	16QAM	1	0	17.64	17.55	17.50	19	0
15	16QAM	1	37	17.60	17.67	17.54		
15	16QAM	1	74	17.41	17.78	17.54		
15	16QAM	36	0	17.55	17.61	17.65	19	0
15	16QAM	36	20	17.51	17.65	17.33		
15	16QAM	36	39	17.38	17.58	17.58		
15	16QAM	75	0	17.40	17.49	17.55		
15	64QAM	1	0	17.42	17.73	17.56	19	0
15	64QAM	1	37	17.78	17.57	17.65		
15	64QAM	1	74	17.45	17.69	17.43		
15	64QAM	36	0	17.45	17.80	17.39	19	0
15	64QAM	36	20	17.74	17.40	17.65		
15	64QAM	36	39	17.39	17.52	17.41		
15	64QAM	75	0	17.35	17.60	17.50		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	17.40	17.85	17.65	19	0
10	QPSK	1	25	17.82	17.61	17.74		
10	QPSK	1	49	17.58	17.59	17.52		
10	QPSK	25	0	17.51	17.71	17.42	19	0
10	QPSK	25	12	17.67	17.32	17.63		
10	QPSK	25	25	17.35	17.48	17.51		
10	QPSK	50	0	17.35	17.63	17.59		
10	16QAM	1	0	17.65	17.59	17.68	19	0
10	16QAM	1	25	17.58	17.63	17.43		
10	16QAM	1	49	17.56	17.85	17.45		
10	16QAM	25	0	17.58	17.66	17.72	19	0
10	16QAM	25	12	17.40	17.69	17.50		
10	16QAM	25	25	17.56	17.62	17.67		
10	16QAM	50	0	17.57	17.43	17.50		
10	64QAM	1	0	17.44	17.85	17.63	19	0
10	64QAM	1	25	17.74	17.56	17.81		
10	64QAM	1	49	17.54	17.55	17.36		
10	64QAM	25	0	17.43	17.75	17.48	19	0
10	64QAM	25	12	17.59	17.39	17.77		
10	64QAM	25	25	17.35	17.56	17.52		
10	64QAM	50	0	17.46	17.59	17.44		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	17.37	17.85	17.75	19	0
5	QPSK	1	12	17.68	17.71	17.84		
5	QPSK	1	24	17.65	17.61	17.56		
5	QPSK	12	0	17.49	17.84	17.49	19	0
5	QPSK	12	7	17.68	17.44	17.84		
5	QPSK	12	13	17.36	17.50	17.46		
5	QPSK	25	0	17.19	17.67	17.64		
5	16QAM	1	0	17.69	17.57	17.51	19	0
5	16QAM	1	12	17.46	17.52	17.38		
5	16QAM	1	24	17.40	17.82	17.59		
5	16QAM	12	0	17.68	17.50	17.78	19	0
5	16QAM	12	7	17.36	17.60	17.46		
5	16QAM	12	13	17.43	17.70	17.59		
5	16QAM	25	0	17.63	17.55	17.59		
5	64QAM	1	0	17.30	17.69	17.48	19	0
5	64QAM	1	12	17.63	17.51	17.72		
5	64QAM	1	24	17.37	17.40	17.52		
5	64QAM	12	0	17.32	17.59	17.40	19	0
5	64QAM	12	7	17.45	17.62	17.55		
5	64QAM	12	13	17.70	17.42	17.69		
5	64QAM	25	0	17.28	17.55	17.41		

Band 38 Ant2 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.90	20.09	19.76	21.5	0
20	QPSK	1	49	20.07	19.71	19.98		
20	QPSK	1	99	20.04	19.73	19.99		
20	QPSK	50	0	19.81	20.08	19.87	21.5	0
20	QPSK	50	24	20.04	19.97	19.83		
20	QPSK	50	50	20.07	19.97	19.96		
20	QPSK	100	0	19.76	19.84	19.79		
20	16QAM	1	0	19.85	20.08	19.78	21.5	0
20	16QAM	1	49	20.01	19.90	19.87		
20	16QAM	1	99	20.07	19.50	19.82		
20	16QAM	50	0	19.96	20.04	19.98	21.5	0
20	16QAM	50	24	20.07	20.07	20.06		
20	16QAM	50	50	20.01	20.12	19.97		
20	16QAM	100	0	19.94	19.76	19.97		
20	64QAM	1	0	20.01	19.88	20.06	21.5	0
20	64QAM	1	49	20.09	20.24	20.09		
20	64QAM	1	99	20.15	19.89	19.97		
20	64QAM	50	0	19.91	19.85	19.82	21.5	0
20	64QAM	50	24	19.99	19.92	20.18		
20	64QAM	50	50	19.93	20.05	19.90		
20	64QAM	100	0	20.08	19.88	19.90		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.86	20.08	19.56	21.5	0
15	QPSK	1	37	20.06	19.71	19.83		
15	QPSK	1	74	20.04	19.58	19.89		
15	QPSK	36	0	19.76	19.97	19.77	21.5	0
15	QPSK	36	20	19.95	19.84	19.70		
15	QPSK	36	39	20.08	19.76	19.93		
15	QPSK	75	0	19.86	19.84	19.74		
15	16QAM	1	0	19.83	19.97	19.79	21.5	0
15	16QAM	1	37	19.90	19.82	19.88		
15	16QAM	1	74	19.98	19.57	19.70		
15	16QAM	36	0	19.89	19.84	19.82	21.5	0
15	16QAM	36	20	20.08	19.89	19.99		
15	16QAM	36	39	20.01	20.12	19.92		
15	16QAM	75	0	19.80	19.56	19.97		
15	64QAM	1	0	19.90	19.76	19.89	21.5	0
15	64QAM	1	37	19.89	20.10	20.00		
15	64QAM	1	74	20.01	19.87	19.79		
15	64QAM	36	0	19.86	19.69	19.80	21.5	0
15	64QAM	36	20	19.79	19.88	19.98		
15	64QAM	36	39	19.88	19.95	19.77		
15	64QAM	75	0	20.08	19.69	19.92		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.87	19.73	19.62	21.5	0
10	QPSK	1	25	19.87	19.60	19.84		
10	QPSK	1	49	19.80	19.56	19.85		
10	QPSK	25	0	19.84	19.71	19.74	21.5	0
10	QPSK	25	12	20.07	19.90	19.65		
10	QPSK	25	25	19.92	19.61	19.74		
10	QPSK	50	0	19.80	19.59	19.54		
10	16QAM	1	0	19.68	19.97	19.51	21.5	0
10	16QAM	1	25	19.70	19.88	19.78		
10	16QAM	1	49	19.73	19.52	19.58		
10	16QAM	25	0	19.86	19.70	19.73	21.5	0
10	16QAM	25	12	19.83	19.84	19.98		
10	16QAM	25	25	19.76	20.03	19.82		
10	16QAM	50	0	19.67	19.57	19.88		
10	64QAM	1	0	19.97	19.70	19.82	21.5	0
10	64QAM	1	25	20.02	20.04	19.89		
10	64QAM	1	49	19.77	19.64	19.83		
10	64QAM	25	0	19.70	19.62	19.62	21.5	0
10	64QAM	25	12	19.76	19.56	19.84		
10	64QAM	25	25	19.71	19.75	19.57		
10	64QAM	50	0	19.90	19.56	19.85		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.89	19.73	19.64	21.5	0
5	QPSK	1	12	19.75	19.61	19.86		
5	QPSK	1	24	19.67	19.58	19.92		
5	QPSK	12	0	19.88	19.79	19.67	21.5	0
5	QPSK	12	7	19.86	19.71	19.70		
5	QPSK	12	13	19.99	19.56	19.79		
5	QPSK	25	0	19.89	19.72	19.64		
5	16QAM	1	0	19.59	19.96	19.53	21.5	0
5	16QAM	1	12	19.71	19.84	19.75		
5	16QAM	1	24	19.82	19.55	19.56		
5	16QAM	12	0	19.78	19.60	19.59	21.5	0
5	16QAM	12	7	19.76	19.76	19.92		
5	16QAM	12	13	19.74	20.02	19.90		
5	16QAM	25	0	19.81	19.63	19.83		
5	64QAM	1	0	19.88	19.82	19.82	21.5	0
5	64QAM	1	12	19.86	19.84	19.94		
5	64QAM	1	24	20.02	19.80	19.72		
5	64QAM	12	0	19.78	19.84	19.85	21.5	0
5	64QAM	12	7	19.90	19.80	19.89		
5	64QAM	12	13	19.79	19.91	19.54		
5	64QAM	25	0	19.78	19.61	19.91		

Band 41 (2.6G Band) Ant2 DSI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40400	40670	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	20.23	20.23	20.40	20.19	21.5	0
20	QPSK	1	49	20.07	20.20	20.24	20.03		
20	QPSK	1	99	20.38	20.15	20.19	20.37		
20	QPSK	50	0	20.06	20.05	20.36	20.00	21.5	0
20	QPSK	50	24	19.94	19.99	20.16	20.34		
20	QPSK	50	50	20.13	20.13	20.35	20.25		
20	QPSK	100	0	20.29	20.20	20.33	20.05		
20	16QAM	1	0	20.06	19.96	20.26	20.14	21.5	0
20	16QAM	1	49	20.21	20.07	20.25	20.19		
20	16QAM	1	99	20.35	20.34	20.33	20.23		
20	16QAM	50	0	20.14	20.15	20.30	20.20	21.5	0
20	16QAM	50	24	19.99	20.06	20.17	20.24		
20	16QAM	50	50	20.23	19.96	20.32	20.18		
20	16QAM	100	0	20.16	20.10	20.20	20.18		
20	64QAM	1	0	20.07	19.92	20.33	20.03	21.5	0
20	64QAM	1	49	20.14	20.08	20.01	20.18		
20	64QAM	1	99	19.95	20.13	20.29	19.99		
20	64QAM	50	0	20.09	20.02	20.29	20.35	21.5	0
20	64QAM	50	24	20.10	19.94	20.19	20.09		
20	64QAM	50	50	20.02	20.23	20.39	20.02		
20	64QAM	100	0	20.34	20.06	20.32	20.18		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	20.07	20.04	20.36	19.98	21.5	0
15	QPSK	1	37	20.03	20.12	20.12	19.86		
15	QPSK	1	74	20.36	19.93	20.14	20.32		
15	QPSK	36	0	19.91	19.99	20.23	19.86	21.5	0
15	QPSK	36	20	19.82	20.01	20.09	20.31		
15	QPSK	36	39	20.12	19.95	20.30	20.23		
15	QPSK	75	0	20.21	20.17	20.19	20.04		
15	16QAM	1	0	19.98	19.94	20.16	19.94	21.5	0
15	16QAM	1	37	20.06	19.89	20.23	20.21		
15	16QAM	1	74	20.14	20.18	20.23	20.18		
15	16QAM	36	0	20.12	20.11	20.10	20.14	21.5	0
15	16QAM	36	20	19.94	20.07	20.03	20.11		
15	16QAM	36	39	20.23	19.87	20.11	20.20		
15	16QAM	75	0	20.12	20.09	20.18	20.00		
15	64QAM	1	0	19.96	19.81	20.29	19.85	21.5	0
15	64QAM	1	37	20.12	19.95	20.00	20.09		
15	64QAM	1	74	19.81	20.10	20.19	19.80		
15	64QAM	36	0	20.16	20.05	20.28	19.99	21.5	0
15	64QAM	36	20	20.05	20.18	20.08	19.94		
15	64QAM	36	39	20.35	20.10	19.99	20.20		
15	64QAM	75	0	20.28	20.01	20.24	20.09		
Channel				40090	40390	40690	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	20.23	20.22	20.20	19.98	21.5	0
10	QPSK	1	25	19.93	20.10	20.04	19.91		
10	QPSK	1	49	20.28	20.05	20.02	20.21		
10	QPSK	25	0	20.20	20.07	20.28	20.14	21.5	0
10	QPSK	25	12	19.99	20.04	20.10	20.00		
10	QPSK	25	25	20.35	20.07	20.11	20.26		
10	QPSK	50	0	20.20	20.16	20.14	19.91		
10	16QAM	1	0	19.99	19.90	20.10	19.95	21.5	0
10	16QAM	1	25	20.16	20.05	20.08	20.15		
10	16QAM	1	49	20.24	20.35	20.19	20.18		
10	16QAM	25	0	20.11	20.02	20.31	20.01	21.5	0
10	16QAM	25	12	19.93	19.94	20.10	20.05		
10	16QAM	25	25	20.12	19.90	20.21	20.00		
10	16QAM	50	0	19.99	20.07	20.04	20.12		
10	64QAM	1	0	20.15	20.09	20.26	20.19	21.5	0
10	64QAM	1	25	20.04	20.14	20.20	19.81		
10	64QAM	1	49	20.22	20.04	20.18	20.29		
10	64QAM	25	0	20.07	20.11	20.20	20.14	21.5	0
10	64QAM	25	12	20.09	20.19	20.16	20.05		
10	64QAM	25	25	20.20	20.06	20.03	20.34		
10	64QAM	50	0	20.19	19.84	20.29	20.18		
Channel				40065	40385	40705	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5		
5	QPSK	1	0	20.06	20.24	20.21	20.15	21.5	0
5	QPSK	1	12	19.93	20.13	20.08	19.87		
5	QPSK	1	24	20.28	20.04	20.20	20.30		
5	QPSK	12	0	20.03	20.05	20.35	19.87	21.5	0
5	QPSK	12	7	20.14	20.19	20.28	20.11		
5	QPSK	12	13	20.05	20.05	20.05	19.93		
5	QPSK	25	0	20.36	20.10	20.10	20.33		
5	16QAM	1	0	20.04	20.08	20.19	20.20	21.5	0
5	16QAM	1	12	20.01	20.18	20.24	20.03		
5	16QAM	1	24	20.27	20.09	20.02	20.19		
5	16QAM	12	0	19.93	19.97	20.11	20.05	21.5	0
5	16QAM	12	7	19.88	20.04	20.07	20.03		
5	16QAM	12	13	20.14	19.88	20.30	20.00		
5	16QAM	25	0	19.99	20.09	20.04	20.02		
5	64QAM	1	0	20.23	20.23	20.30	20.15	21.5	0
5	64QAM	1	12	20.03	20.20	20.02	20.04		
5	64QAM	1	24	20.29	20.03	20.17	20.20		
5	64QAM	12	0	20.23	20.09	20.31	20.14	21.5	0
5	64QAM	12	7	20.06	20.12	20.11	20.00		
5	64QAM	12	13	20.26	20.03	20.14	20.36		
5	64QAM	25	0	20.16	19.86	20.30	20.01		

Conducted Power for UL CA

Ant 1 Full Power DSI1

CA_7c										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	23.77	25.50
21100	21298	QPSK	1	99	1	0	2	0	23.87	25.50
21350	21152	QPSK	1	0	1	99	2	0	23.85	25.50
20850	21048	QPSK	1	49	50	0	2	0	23.03	24.50
21100	21298	QPSK	1	49	50	0	2	0	23.11	24.50
21350	21152	QPSK	50	0	1	49	2	0	22.94	24.50

Ant 2 Full Power Default

CA_7c										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	24.04	25.50
21100	21298	QPSK	1	99	1	0	2	0	24.14	25.50
21350	21152	QPSK	1	0	1	99	2	0	24.00	25.50
20850	21048	QPSK	1	49	50	0	2	0	23.22	24.50
21100	21298	QPSK	1	49	50	0	2	0	23.28	24.50
21350	21152	QPSK	50	0	1	49	2	0	22.99	24.50

Ant 1 Down Power DSI2 -2.5

CA_7c										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	21.66	23.00
21100	21298	QPSK	1	99	1	0	2	0	21.62	23.00
21350	21152	QPSK	1	0	1	99	2	0	21.59	23.00
20850	21048	QPSK	1	49	50	0	2	0	21.61	23.00
21100	21298	QPSK	1	49	50	0	2	0	21.52	23.00
21350	21152	QPSK	50	0	1	49	2	0	21.56	23.00

Ant 1 Down Power DSI3&4 -6

CA_7c										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	18.00	19.50
21100	21298	QPSK	1	99	1	0	2	0	17.90	19.50
21350	21152	QPSK	1	0	1	99	2	0	17.95	19.50
20850	21048	QPSK	1	49	50	0	2	0	17.70	19.50
21100	21298	QPSK	1	49	50	0	2	0	17.70	19.50
21350	21152	QPSK	50	0	1	49	2	0	17.86	19.50

Ant 2 Down Power DSI1&4 -6.5

CA_7c										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	17.74	19.00
21100	21298	QPSK	1	99	1	0	2	0	17.78	19.00
21350	21152	QPSK	1	0	1	99	2	0	17.76	19.00
20850	21048	QPSK	1	49	50	0	2	0	17.54	19.00
21100	21298	QPSK	1	49	50	0	2	0	17.55	19.00
21350	21152	QPSK	50	0	1	49	2	0	17.48	19.00

Ant 2 Down Power DSI2 -1.5

CA_7c										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	22.78	24.00
21100	21298	QPSK	1	99	1	0	2	0	22.65	24.00
21350	21152	QPSK	1	0	1	99	2	0	22.53	24.00
20850	21048	QPSK	1	49	50	0	2	0	22.77	24.00
21100	21298	QPSK	1	49	50	0	2	0	22.79	24.00
21350	21152	QPSK	50	0	1	49	2	0	22.67	24.00

Ant 1 Full Power DSI1&2

CA_38C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	2	0	23.84	25.50
37901	38099	QPSK	1	99	1	0	2	0	23.88	25.50
38150	37952	QPSK	1	0	1	99	2	0	23.71	25.50
37850	38048	QPSK	1	49	50	0	2	0	22.69	24.50
37901	38099	QPSK	1	49	50	0	2	0	22.64	24.50
38150	37952	QPSK	50	0	1	49	2	0	22.79	24.50

Ant 2 Full Power DSI2

CA_38C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	2	0	24.16	25.50
37901	38099	QPSK	1	99	1	0	2	0	24.08	25.50
38150	37952	QPSK	1	0	1	99	2	0	24.03	25.50
37850	38048	QPSK	1	49	50	0	2	0	23.13	24.50
37901	38099	QPSK	1	49	50	0	2	0	23.02	24.50
38150	37952	QPSK	50	0	1	49	2	0	23.12	24.50

Ant 1 Down Power DSI3&4 -6

CA_38C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	2	0	17.72	19.50
37901	38099	QPSK	1	99	1	0	2	0	17.73	19.50
38150	37952	QPSK	1	0	1	99	2	0	17.72	19.50
37850	38048	QPSK	1	49	50	0	2	0	17.79	19.50
37901	38099	QPSK	1	49	50	0	2	0	17.74	19.50
38150	37952	QPSK	50	0	1	49	2	0	17.86	19.50

Ant 2 Down Power DSI1 -3

CA_38C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	2	0	20.78	22.50
37901	38099	QPSK	1	99	1	0	2	0	20.95	22.50
38150	37952	QPSK	1	0	1	99	2	0	20.82	22.50
37850	38048	QPSK	1	49	50	0	2	0	20.78	22.50
37901	38099	QPSK	1	49	50	0	2	0	20.74	22.50
38150	37952	QPSK	50	0	1	49	2	0	20.59	22.50

Ant 2 Down Power DSI4 -4

CA_38C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	99	1	0	2	0	19.80	21.50
37901	38099	QPSK	1	99	1	0	2	0	19.91	21.50
38150	37952	QPSK	1	0	1	99	2	0	20.04	21.50
37850	38048	QPSK	1	49	50	0	2	0	19.85	21.50
37901	38099	QPSK	1	49	50	0	2	0	17.75	21.50
38150	37952	QPSK	50	0	1	49	2	0	18.83	21.50

Ant 1 Full Power DSI1&2

CA_41C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	arget MPR Level (d	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
40140	40338	QPSK	1	99	1	0	2	0	23.57	25.50
40400	40598	QPSK	1	99	1	0	2	0	23.57	25.50
40670	40868	QPSK	1	99	1	0	2	0	23.57	25.50
41140	40942	QPSK	1	0	1	99	2	0	23.62	25.50
40140	40338	QPSK	1	49	50	0	2	0	22.55	24.50
40400	40598	QPSK	1	49	50	0	2	0	22.69	24.50
40670	40868	QPSK	1	49	50	0	2	0	22.57	24.50
41140	40942	QPSK	50	0	1	49	2	0	22.55	24.50

Ant 2 Full Power DSI2

CA_41C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	arget MPR Level (d	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
40140	40338	QPSK	1	99	1	0	2	0	24.38	25.50
40400	40598	QPSK	1	99	1	0	2	0	24.32	25.50
40670	40868	QPSK	1	99	1	0	2	0	24.38	25.50
41140	40942	QPSK	1	0	1	99	2	0	24.38	25.50
40140	40338	QPSK	1	49	50	0	2	0	23.52	24.50
40400	40598	QPSK	1	49	50	0	2	0	23.53	24.50
40670	40868	QPSK	1	49	50	0	2	0	23.57	24.50
41140	40942	QPSK	50	0	1	49	2	0	23.45	24.50

Ant 1 Down Power DSI3&4 -6

CA_41C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	arget MPR Level (d	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
40140	40338	QPSK	1	99	1	0	2	0	17.66	19.50
40400	40598	QPSK	1	99	1	0	2	0	17.66	19.50
40670	40868	QPSK	1	99	1	0	2	0	17.80	19.50
41140	40942	QPSK	1	0	1	99	2	0	17.59	19.50
40140	40338	QPSK	1	49	50	0	2	0	17.63	19.50
40400	40598	QPSK	1	49	50	0	2	0	17.60	19.50
40670	40868	QPSK	1	49	50	0	2	0	17.61	19.50
41140	40942	QPSK	50	0	1	49	2	0	17.73	19.50

Ant 2 Down Power DSI1 -3.5

CA_41C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	arget MPR Level (d	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
40140	40338	QPSK	1	99	1	0	2	0	20.68	22.00
40400	40598	QPSK	1	99	1	0	2	0	20.58	22.00
40670	40868	QPSK	1	99	1	0	2	0	20.69	22.00
41140	40942	QPSK	1	0	1	99	2	0	20.63	22.00
40140	40338	QPSK	1	49	50	0	2	0	20.63	22.00
40400	40598	QPSK	1	49	50	0	2	0	20.64	22.00
40670	40868	QPSK	1	49	50	0	2	0	20.68	22.00
41140	40942	QPSK	50	0	1	49	2	0	20.59	22.00

Ant 2 Down Power DSI4 -4

CA_41C										
Combination 20MHz+20MHz (1RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	arget MPR Level (d	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
40140	40338	QPSK	1	99	1	0	2	0	20.14	21.50
40400	40598	QPSK	1	99	1	0	2	0	19.93	21.50
40670	40868	QPSK	1	99	1	0	2	0	20.00	21.50
41140	40942	QPSK	1	0	1	99	2	0	20.08	21.50
40140	40338	QPSK	1	49	50	0	2	0	20.09	21.50
40400	40598	QPSK	1	49	50	0	2	0	20.10	21.50
40670	40868	QPSK	1	49	50	0	2	0	20.17	21.50
41140	40942	QPSK	50	0	1	49	2	0	20.21	21.50

Conducted Power for DL CA

2CA DL

Configure	PCC								SCC				Power	
	LTE Band	Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_2C	Band 2	1	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	**24.16**	**24.18**
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	**24.19**	**24.32**
CA_2A-4A	Band 2	1	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	**24.13**	**24.18**
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	**24.30**	**24.32**
	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	**24.13**	**24.16**
	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	**24.29**	**24.35**
CA_2A-5A	Band 2	1	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	**24.02**	**24.18**
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	**24.29**	**24.32**
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	**24.22**	**24.24**
	Band 5	2	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	**24.37**	**24.46**
CA_2A-7A	Band 2	1	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	**24.09**	**24.18**
	Band 2	2	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	**24.23**	**24.32**
	Band 7	1	20M	2535	21100	QPSK	1	0	Band 2	20M	1960	900	**23.77**	**23.92**
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 2	20M	1960	900	**24.29**	**24.36**
CA_4A-5A	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	**24.05**	**24.16**
	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	**24.28**	**24.35**
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	**24.09**	**24.24**
	Band 5	2	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	**24.40**	**24.46**
CA_4A-7A	Band 4	1	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	**24.09**	**24.16**
	Band 4	2	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	**24.29**	**24.35**
	Band 7	1	20M	2535	21100	QPSK	1	0	Band 7	20M	2655	3100	**23.77**	**23.92**
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 4	20M	2132.5	2175	**24.31**	**24.36**
CA_5A-7A	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	**24.18**	**24.24**
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	**24.33**	**24.46**
	Band 7	1	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	**23.82**	**23.92**
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	**24.22**	**24.36**
CA_5A-41A	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 41	20M	2617.8	40868	**24.21**	**24.24**
	Band 5	1	10M	836.5	20525	QPSK	1	0	Band 41	20M	2617.8	40868	**24.37**	**24.46**
	Band 41	1	20M	2598	40670	QPSK	1	0	Band 5	10M	881.5	2525	**23.94**	**24.00**
	Band 41	2	20M	2598	40670	QPSK	1	0	Band 5	10M	881.5	2525	**24.36**	**24.44**
CA_7A-7A	Band 7	1	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	**23.88**	**23.92**
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	**24.21**	**24.36**
CA_7C	Band 7	1	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	**23.77**	**23.92**
	Band 7	2	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	**24.28**	**24.36**
CA_38C	Band 38	1	20M	2595	38000	QPSK	1	0	Band 38	20M	2617.5	38225	**23.85**	**23.92**
	Band 38	2	20M	2595	38000	QPSK	1	0	Band 38	20M	2617.5	38225	**24.17**	**24.27**
CA_38A-38A	Band 38	1	20M	2595	38000	QPSK	1	0	Band 38	5M	2617.5	38225	**23.86**	**23.92**
	Band 38	2	20M	2595	38000	QPSK	1	0	Band 38	5M	2617.5	38225	**24.17**	**24.27**
CA_41C	Band 41	1	20M	2598	40670	QPSK	1	0	Band 41	20M	2617.8	40868	**23.92**	**24.00**
	Band 41	2	20M	2598	40670	QPSK	1	0	Band 41	20M	2617.8	40868	**24.40**	**24.44**
CA_41A-41A	Band 41	1	20M	2598	40670	QPSK	1	0	Band 41	5M	2537.5	40065	**23.85**	**24.00**
	Band 41	2	20M	2598	40670	QPSK	1	0	Band 41	5M	2537.5	40065	**24.29**	**24.44**

Conducted Power for WLAN/Bluetooth

2.4GHz WLAN						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.18	18.50	100.00
		6	2437	17.12	18.50	
		11	2462	17.17	18.50	
	802.11g 6Mbps	1	2412	14.61	16.50	97.38
		6	2437	14.93	16.50	
		11	2462	14.66	16.50	
	802.11n-HT20 MCS0	1	2412	13.21	15.00	97.19
		6	2437	13.25	15.00	
		11	2462	13.23	15.00	

5.2GHz WLAN						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	13.53	15.00	97.46
		40	5200	13.58	15.00	
		44	5220	13.54	15.00	
		48	5240	13.65	15.00	
	802.11n-HT20 MCS0	36	5180	13.45	15.00	97.28
		40	5200	13.53	15.00	
		44	5220	13.47	15.00	
		48	5240	13.48	15.00	
	802.11n-HT40 MCS0	38	5190	13.45	15.00	94.74
		46	5230	13.38	15.00	
	802.11ac-VHT20 MCS0	36	5180	13.36	15.00	97.31
		40	5200	13.50	15.00	
		44	5220	13.37	15.00	
		48	5240	13.36	15.00	
	802.11ac-VHT40 MCS0	38	5190	13.28	15.00	94.74
		46	5230	13.50	15.00	
	802.11ac-VHT80 MCS0	42	5210	13.51	15.00	89.88

5.3GHz WLAN						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	13.52	15.00	97.46
		56	5280	13.50	15.00	
		60	5300	13.48	15.00	
		64	5320	13.33	15.00	
	802.11n-HT20 MCS0	52	5260	13.33	15.00	97.28
		56	5280	13.30	15.00	
		60	5300	13.37	15.00	
		64	5320	13.27	15.00	
	802.11n-HT40 MCS0	54	5270	13.22	15.00	94.74
		62	5310	13.36	15.00	
	802.11ac-VHT20 MCS0	52	5260	13.17	15.00	97.31
		56	5280	13.25	15.00	
		60	5300	13.36	15.00	
		64	5320	13.20	15.00	
	802.11ac-VHT40 MCS0	54	5270	13.32	15.00	94.74
		62	5310	13.33	15.00	
	802.11ac-VHT80 MCS0	58	5290	13.44	15.00	89.88

5.5GHz WLAN				Receiver off		Receiver on		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	13.16	14.50		13.00	97.46
		116	5580	12.90	14.50		13.00	
		124	5620	13.21	14.50		13.00	
		132	5660	13.29	14.50		13.00	
		140	5700	13.16	14.50		13.00	
		144	5720	13.08	14.50		13.00	
	802.11n-HT20 MCS0	100	5500	13.30	14.50		13.00	97.28
		116	5580	13.16	14.50		13.00	
		124	5620	13.11	14.50		13.00	
		132	5660	13.01	14.50		13.00	
		140	5700	13.03	14.50		13.00	
		144	5720	12.92	14.50		13.00	
	802.11n-HT40 MCS0	102	5510	13.15	14.50		13.00	94.74
		110	5550	13.32	14.50		13.00	
		126	5630	12.88	14.50		13.00	
		134	5670	12.86	14.50		13.00	
		142	5710	12.99	14.50		13.00	
	802.11ac-VHT20 MCS0	100	5500	12.98	14.50		13.00	97.31
		116	5580	13.15	14.50		13.00	
		124	5620	12.76	14.50		13.00	
		132	5660	12.63	14.50		13.00	
		140	5700	12.79	14.50		13.00	
		144	5720	12.71	14.50		13.00	
	802.11ac-VHT40 MCS0	102	5510	13.17	14.50		13.00	94.74
		110	5550	13.28	14.50		13.00	
		126	5630	13.22	14.50		13.00	
		134	5670	12.90	14.50		13.00	
		142	5710	12.84	14.50		13.00	
	802.11ac-VHT80 MCS0	106	5530	13.03	14.00	12.22	13.00	89.88
		122	5610	12.75	14.00	11.88	13.00	
		138	5690	12.89	14.00	11.99	13.00	

5.8GHz WLAN				Receiver off		Receiver on		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	13.15	14.50		13.00	97.46
		157	5785	13.19	14.50		13.00	
		165	5825	13.07	14.50		13.00	
	802.11n-HT20 MCS0	149	5745	13.33	14.50		13.00	97.28
		157	5785	13.25	14.50		13.00	
		165	5825	13.07	14.50		13.00	
	802.11n-HT40 MCS0	151	5755	13.21	14.50		13.00	94.74
		159	5795	13.30	14.50		13.00	
	802.11ac-VHT20 MCS0	149	5745	12.69	14.50		13.00	97.31
		157	5785	13.15	14.50		13.00	
		165	5825	12.66	14.50		13.00	
	802.11ac-VHT40 MCS0	151	5755	12.97	14.50		13.00	94.74
		159	5795	13.31	14.50		13.00	
	802.11ac-VHT80 MCS0	155	5775	13.07	14.00	12.23	13.00	89.88

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	8.28	6.45	5.97
	CH 39	2441	8.89	6.19	6.14
	CH 78	2480	8.23	5.97	5.64
Tune-up Limit			10	8	8

BT LE 1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	-4.09
	CH 19	2440	-2.73
	CH 39	2480	-3.30
Tune-up Limit			-2

BT LE 2M

Mode	Channel	Frequency (MHz)	Average power (dBm)
			1Mbps
LE	CH 00	2402	-4.25
	CH 19	2440	-2.45
	CH 39	2480	-3.15
Tune-up Limit			-1