

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

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

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

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

^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.

Full Power level/Default Power level for WWAN

ANT0 Default Power						
Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
TX Channel	128	189		128	189	251
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8
GSM 1 Tx slot	32.15	32.10	31.97	33.50	23.15	23.10
GPRS 1 Tx slot	32.21	32.04	31.89	33.50	23.21	23.04
GPRS 2 Tx slots	29.43	29.46	29.27	30.50	23.43	23.46
GPRS 3 Tx slots	27.33	27.74	27.67	28.50	23.07	23.48
GPRS 4 Tx slots	26.00	26.32	26.30	27.50	23.00	23.32
EDGE 1 Tx slot	25.94	25.06	25.85	27.50	16.94	16.96
EDGE 2 Tx slots	23.17	23.11	23.14	24.50	17.17	17.11
EDGE 3 Tx slots	21.19	21.24	21.16	23.00	16.93	16.98
EDGE 4 Tx slots	19.84	20.12	20.03	21.50	16.84	17.12

ANT0 Default Power						
Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
TX Channel	512	691		512	691	910
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8
GSM 1 Tx slot	29.27	29.33	29.21	30.50	20.27	20.33
GPRS 1 Tx slot	29.34	29.28	29.10	30.50	20.34	20.28
GPRS 2 Tx slots	26.70	26.64	26.39	27.50	20.70	20.64
GPRS 4 Tx slots	24.63	24.82	24.61	25.50	20.37	20.56
GPRS 4 Tx slots	23.17	23.52	23.43	24.50	20.17	20.52
EDGE 1 Tx slot	25.23	25.39	25.18	26.50	16.23	16.39
EDGE 2 Tx slots	22.51	22.45	22.27	24.00	16.51	16.45
EDGE 3 Tx slots	19.92	19.82	19.73	21.50	15.66	15.56
EDGE 4 Tx slots	19.97	19.69	19.85	20.50	16.97	16.69

ANT0 Default Power					ANT0 Default Power					ANT0 Default Power				
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
TX Channel	9262	9400	9538	1312		1413	1513	4132		4182	4233			
Rx Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458					
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	326.4	326.4	346.6					
3GPP Rel 99	24.38	24.33	24.31	25.50	24.26	24.50	24.35	25.50	24.71	24.74	24.72	25.50		
3GPP Rel 99	24.40	24.43	24.36	25.50	24.13	24.52	24.44	25.50	24.47	24.49	24.47	25.50		
3GPP Rel 6	23.80	23.83	23.81	24.50	23.42	23.40	23.39	24.50	23.76	23.81	23.54	24.50		
3GPP Rel 6	23.77	23.82	23.80	24.50	23.55	23.47	23.39	24.50	23.69	23.69	23.58	24.50		
3GPP Rel 6	22.96	23.26	23.30	24.00	22.96	22.96	22.76	24.00	23.33	23.29	23.20	24.00		
3GPP Rel 6	23.31	23.32	23.27	24.00	22.93	22.97	22.90	24.00	23.32	23.34	23.22	24.00		
3GPP Rel 8	23.85	23.80	23.79	24.50	23.32	23.42	23.10	24.50	23.82	23.87	23.56	24.50		
3GPP Rel 8	23.77	23.87	23.86	24.50	23.40	23.35	23.36	24.50	23.87	23.74	23.56	24.50		
3GPP Rel 8	23.02	23.22	23.25	24.00	22.82	22.74	22.71	24.00	23.37	23.31	23.21	24.00		
3GPP Rel 8	23.27	23.37	23.29	24.00	22.79	22.83	22.75	24.00	23.38	23.30	23.18	24.00		
3GPP Rel 6	23.46	23.45	23.37	24.50	23.44	23.34	23.25	24.50	23.69	23.69	23.56	24.50		
3GPP Rel 6	21.42	21.43	21.33	22.50	21.56	21.46	21.25	22.50	21.78	21.79	21.67	22.50		
3GPP Rel 6	22.44	22.47	22.34	23.50	22.41	22.44	22.22	23.50	22.80	22.77	22.64	23.50		
3GPP Rel 6	21.45	21.46	21.28	22.50	21.42	21.55	21.43	22.50	21.73	21.78	21.70	22.50		
3GPP Rel 6	23.40	23.50	23.40	24.50	23.45	23.53	23.05	24.50	23.78	23.74	23.40	24.50		

ANT0 Default Power									
Band		WCDMA V			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel	4132	4182	4233	4357	4407	4458			
Rx Channel	4357	4407	4458	4614	4664	4715			
Frequency (MHz)	826.4	836.4	846.6	856.4	866.4	876.6			
3GPP Rel 99	24.38	24.33	24.31	25.50	24.26	24.50	24.35	25.50	
3GPP Rel 99	24.40	24.43	24.36	25.50	24.13	24.52	24.44	25.50	
3GPP Rel 6	23.80	23.83	23.81	24.50	23.42	23.40	23.39	24.50	
3GPP Rel 6	23.77	23.82	23.80	24.50	23.55	23.47	23.39	24.50	
3GPP Rel 6	22.96	23.26	23.30	24.00	22.96	22.96	22.76	24.00	
3GPP Rel 6	23.31	23.32	23.27	24.00	22.93	22.97	22.90	24.00	
3GPP Rel 8	23.85	23.80	23.79	24.50	23.32	23.42	23.10	24.50	
3GPP Rel 8	23.77	23.87	23.86	24.50	23.40	23.35	23.36	24.50	
3GPP Rel 8	23.02	23.22	23.25	24.00	22.82	22.74	22.71	24.00	
3GPP Rel 8	23.27	23.37	23.29	24.00	22.79	22.83	22.75	24.00	
3GPP Rel 6	23.46	23.45	23.37	24.50	23.44	23.34	23.25	24.50	
3GPP Rel 6	21.42	21.43	21.33	22.50	21.56	21.46	21.25	22.50	
3GPP Rel 6	22.44	22.47	22.34	23.50	22.41	22.44	22.22	23.50	
3GPP Rel 6	21.45	21.46	21.28	22.50	21.42	21.55	21.43	22.50	
3GPP Rel 6	23.40	23.50	23.40	24.50	23.45	23.53	23.05	24.50	

Band 7 ANT0 Default Power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20650	21100	21360				
Frequency (MHz)				2505	2535	2565				
20	QPSK	1	0	24.18	24.39	24.34	25.5	0		
20	QPSK	1	49	24.21	24.30	24.17				
20	QPSK	1	99	24.26	24.32	24.35				
20	QPSK	50	0	23.19	23.56	23.27	24.5	1		
20	QPSK	50	24	23.49	23.45	23.44				
20	QPSK	50	50	23.52	23.48	23.44				
20	QPSK	100	0	23.35	23.45	23.33	24.5	1		
20	16QAM	1	0	23.22	23.39	23.41				
20	16QAM	1	49	23.28	23.33	23.20				
20	16QAM	1	99	23.36	23.33	23.18	23.5	2		
20	16QAM	50	0	22.41	22.26	22.25				
20	16QAM	50	24	22.46	22.38	22.37				
20	16QAM	50	50	22.43	22.49	22.48	22.5	3		
20	16QAM	100	0	22.39	22.36	22.41				
20	64QAM	1	0	22.24	22.37	22.34				
20	64QAM	1	49	22.55	22.42	22.40	23.5	2		
20	64QAM	1	99	22.57	22.27	22.31				
20	64QAM	50	0	21.34	21.29	21.31				
20	64QAM	50	24	21.49	21.36	21.40	22.5	3		
20	64QAM	50	50	21.51	21.47	21.41				
20	64QAM	100	0	21.40	21.39	21.38				
Channel				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	21535	21625				
15	QPSK	1	0	24.11	24.21	24.05	25.5	0		
15	QPSK	1	37	23.99	24.27	24.22				
15	QPSK	1	74	24.25	24.33	24.22				
15	QPSK	36	0	23.21	23.31	23.32	24.5	1		
15	QPSK	36	20	23.35	23.34	23.22				
15	QPSK	36	39	23.40	23.29	23.34				
15	QPSK	75	0	23.34	23.36	23.34	24.5	1		
15	16QAM	1	0	23.20	23.24	23.36				
15	16QAM	1	37	23.19	23.28	23.08				
15	16QAM	1	74	23.50	23.23	23.01	23.5	2		
15	16QAM	36	0	22.29	22.23	22.29				
15	16QAM	36	20	22.40	22.36	22.33				
15	16QAM	36	39	22.50	22.36	22.35	23.5	2		
15	16QAM	75	0	22.26	22.30	22.36				
15	64QAM	1	0	22.15	22.25	22.13				
15	64QAM	1	37	22.39	22.24	22.19	23.5	2		
15	64QAM	1	74	22.31	22.05	22.09				
15	64QAM	36	0	21.24	21.26	21.28				
15	64QAM	36	20	21.32	21.39	21.26	22.5	3		
15	64QAM	36	39	21.40	21.31	21.33				
15	64QAM	75	0	21.39	21.35	21.27				
Channel				20630	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	24.29	24.10	24.11	25.5	0		
10	QPSK	1	25	24.05	24.25	24.36				
10	QPSK	1	49	24.11	24.25	24.26				
10	QPSK	25	0	23.28	23.09	23.19	24.5	1		
10	QPSK	25	12	23.05	23.19	23.15				
10	QPSK	25	25	23.04	23.16	23.08				
10	QPSK	50	0	23.23	23.06	23.00	24.5	1		
10	16QAM	1	0	23.05	23.17	23.02				
10	16QAM	1	25	23.19	23.02	23.08				
10	16QAM	1	49	23.16	23.17	23.05	23.5	2		
10	16QAM	25	0	22.05	22.16	22.08				
10	16QAM	25	12	22.23	22.20	22.25				
10	16QAM	25	25	22.31	22.13	22.34	23.5	2		
10	16QAM	50	0	22.36	22.31	22.42				
10	64QAM	1	0	22.11	22.18	22.24				
10	64QAM	1	25	22.17	22.30	22.10	23.5	2		
10	64QAM	1	49	22.14	22.29	22.06				
10	64QAM	25	0	21.05	21.08	21.19				
10	64QAM	25	12	21.36	21.02	21.18	22.5	3		
10	64QAM	25	25	21.23	21.06	21.16				
10	64QAM	50	0	21.08	21.38	21.08				
Channel				3	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	24.32	24.27	24.25	25.5	0		
5	QPSK	1	12	24.13	24.57	24.23				
5	QPSK	1	24	24.35	24.32	24.36				
5	QPSK	12	0	23.28	23.31	23.24	24.5	1		
5	QPSK	12	7	23.32	23.31	23.23				
5	QPSK	12	13	23.45	23.41	23.45				
5	QPSK	25	0	23.33	23.34	23.38	24.5	1		
5	16QAM	1	0	23.20	23.37	23.25				
5	16QAM	1	12	23.15	23.28	23.23				
5	16QAM	1	24	23.26	23.05	23.17	23.5	2		
5	16QAM	12	0	22.29	22.29	22.13				
5	16QAM	12	7	22.33	22.31	22.45				
5	16QAM	12	13	22.40	22.44	22.48	23.5	2		
5	16QAM	25	0	22.44	22.39	22.37				
5	64QAM	1	0	22.00	22.18	22.06				
5	64QAM	1	12	22.29	22.24	22.12	23.5	2		
5	64QAM	1	24	22.46	22.15	22.05				
5	64QAM	12	0	21.18	21.26	21.25				
5	64QAM	12	7	21.31	21.45	21.26	22.5	3		
5	64QAM	12	13	21.40	21.46	21.40				
5	64QAM	25	0	21.39	21.31	21.33				

Band 12 ANT0 Default Power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				23600	23695	23730				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	24.57	24.69	24.64	25.5	0		
10	QPSK	1	25	24.61	24.64	24.61				
10	QPSK	1	49	24.67	24.65	24.61				
10	QPSK	25	0	23.69	23.89	23.68	24.5	1		
10	QPSK	25	12	23.74	23.71	23.80				
10	QPSK	25	25	23.53	23.86	23.81				
10	QPSK	50	0	23.83	23.86	23.80	24.5	1		
10	16QAM	1	0	23.75	23.73	23.73				
10	16QAM	1	25	23.85	23.79	23.61				
10	16QAM	1	49	23.77	23.73	23.72	23.5	2		
10	16QAM	25	0	22.82	22.72	22.69				
10	16QAM	25	12	22.89	22.69	22.71				
10	16QAM	25	25	22.90	22.85	22.92	23.5	2		
10	16QAM	50	0	22.92	22.86	22.74				
10	64QAM	1	0	22.87	22.60	22.66				
10	64QAM	1	25	22.61	22.57	22.77	23.5	2		
10	64QAM	1	49	22.64	22.70	22.52				
10	64QAM	25	0	21.85	21.75	21.75				
10	64QAM	25	12	21.87	21.75	21.68	22.5	3		
10	64QAM	25	25	21.88	21.62	21.77				
10	64QAM	50	0	21.90	21.80	21.63				
Channel				23650	23695	23765				
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	24.67	24.62	24.64	25.5	0		
5	QPSK	1	24	24.68	24.58	24.64				
5	QPSK	1	24	24.61	24.52	24.60				
5	QPSK	12	0	23.60	23.61	23.64	24.5	1		
5	QPSK	12	13	23.64	23.60	23.66				
5	QPSK	25	0	23.77	23.63	23.59				
5	16QAM	1	0	23.82	23.70	23.62	24.5	1		
5	16QAM	1	12	23.48	23.75	23.71				
5	16QAM	1	24	23.61	23.68	23.54				
5	16QAM	12	0	22.84	22.64	22.62	23.5	2		
5	16QAM	12	7	22.89	22.69	22.80				
5	16QAM	12	13	22.61	22.64	22.65				
5	16QAM	25	0	22.73	22.62	22.68	23.5	2		
5	16QAM	1	0	22.73	22.64	22.95				
5	64QAM	1	12	22.76	22.94	22.88				
5	64QAM	1	24	22.70	22.76	22.75	22.5	3		
5	64QAM	12	0	21.79	21.71	21.64				
5	64QAM	12	7	21.81	21.67	21.74				
5	64QAM	12	13	21.76	21.67	21.82	22.5	3		
5	64QAM	25	0	21.60	21.64	21.73				
Channel				23025	23095	23165				
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	24.57	24.66	24.46	25.5	0		
3	QPSK	1	8	24.44	24.65	24.63				
3	QPSK	1	14	24.56	24.63	24.61				
3	QPSK	8	0	23.80	23.68	23.76	24.5	1		
3	QPSK	8	4	23.76	23.81	23.75				
3	QPSK	8	7	23.66	23.83	23.71				
3	QPSK	15	0	23.74	23.77	23.71	24.5	1		
3	16QAM	1	0	23.53	23.67	23.54				
3	16QAM	1	8	23.79	23.63	23.66				
3	16QAM	1	14	23.76	23.64	23.68	23.5	2		
3	16QAM	8	0	22.93	22.86	22.76				
3	16QAM	8	4	22.88	22.85	22.96				
3	16QAM	15	0	22.79	22.72	22.71	22.5	3		
3	64QAM	1	0	22.85	22.79	22.92				
3	64QAM	1	8	22.76	22.72	22.73				
3	64QAM	1	14	23.00	23.12	22.90	23.5	2		
3	64QAM	8	0	21.92	21.68	21.77				
3	64QAM	8	7	21.83	21.68	21.76				
3	64QAM	8	7	22.01	21.73	21.87	22.5	3		
3	64QAM	15	0	21.75	21.80	21.71				
Channel				23070	23095	23170				
Frequency (MHz)				697.7	702.7	715.3				
1.4	QPSK	1	0	24.51	24.61	24.39	25.5	0		
1.4	QPSK	1	3	24.47	24.65	24.51				
1.4	QPSK	1	5	24.33	24.40	24.33				
1.4	QPSK	1	3	24.47	24.58	24.52	24.5	1		
1.4	QPSK	3	1	24.52	24.51	24.42				
1.4	QPSK	3	3	24.46	24.36	24.41				
1.4	QPSK	6	0	23.49	23.57	23.54	24.5	1		
1.4	16QAM	1	0	23.65	23.62	23.81				
1.4	16QAM	1	3	23.54	23.71	23.62				
1.4	16QAM	1	5	23.56	23.84	23.68	24.5	1		
1.4	16QAM	3	0	23.52	23.64	23.50				
1.4	16QAM	3	1	23.45	23.71	23.56				
1.4	16QAM	3	3	23.50	23.49	23.40	23.5	2		
1.4	64QAM	1	0	22.48	22.51	22.42				
1.4	64QAM	1	0	22.92	22.75	22.86				
1.4	64QAM	1	3	22.93	22.67	22.95	23.5	2		
1.4	64QAM	1	5	22.68	22.73	22.64				
1.4	64QAM	3	0	22.83	22.75	22.53				
1.4	64QAM	3	1	22.86	22.56	22.71	22.5	3		
1.4	64QAM	3	3	22.52	22.70	22.54				
1.4	64QAM	6	0	21.48	21.58	21.51				

Band 26 ANT0 Default Power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	25.5	0	
Frequency (MHz)				831.5	831.5	841.5			
15	QPSK	1	0	24.34	24.44	24.31	25.5	1	
15	QPSK	1	37	24.39	24.37	24.29			
15	QPSK	1	74	24.37	24.33	24.18			
15	QPSK	36	0	23.44	23.50	23.37	24.5	1	
15	QPSK	36	20	23.42	23.46	23.44			
15	QPSK	36	39	23.48	23.46	23.38			
15	QPSK	75	0	23.42	23.52	23.31	24.5	1	
15	16QAM	1	0	23.77	23.67	23.64			
15	16QAM	1	37	23.70	23.66	23.58			
15	16QAM	1	74	23.75	23.66	23.48	23.5	2	
15	16QAM	36	0	22.45	22.43	22.39			
15	16QAM	36	20	22.50	22.46	22.41			
15	16QAM	36	39	22.46	22.47	22.39	23.5	2	
15	16QAM	75	0	22.52	22.41	22.38			
15	64QAM	1	0	22.80	22.65	22.50			
15	64QAM	1	37	22.65	22.60	22.50	23.5	2	
15	64QAM	1	74	22.56	22.54	22.37			
15	64QAM	36	0	21.48	21.44	21.37			
15	64QAM	36	20	21.51	21.47	21.40	22.5	3	
15	64QAM	36	39	21.50	21.47	21.38			
15	64QAM	75	0	21.52	21.42	21.34			
Channel				26740	26865	26990	25.5	0	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.35	24.33	24.20	25.5	1	
10	QPSK	1	25	24.33	24.25	24.17			
10	QPSK	1	49	24.27	24.20	24.12			
10	QPSK	25	0	23.45	23.37	23.31	24.5	1	
10	QPSK	25	12	23.45	23.36	23.32			
10	QPSK	25	25	23.42	23.40	23.33			
10	QPSK	50	0	23.46	23.34	23.30	24.5	1	
10	16QAM	1	0	23.80	23.66	23.61			
10	16QAM	1	25	23.82	23.63	23.53			
10	16QAM	1	49	23.63	23.61	23.49	23.5	2	
10	16QAM	25	0	22.50	22.39	22.31			
10	16QAM	25	12	22.47	22.40	22.35			
10	16QAM	25	25	22.42	22.43	22.35	23.5	2	
10	16QAM	50	0	22.47	22.37	22.28			
10	64QAM	1	0	22.57	22.60	22.46			
10	64QAM	1	25	22.56	22.46	22.38	22.5	3	
10	64QAM	1	49	22.50	22.50	22.39			
10	64QAM	25	0	21.49	21.39	21.31			
10	64QAM	25	12	21.47	21.35	21.29	22.5	3	
10	64QAM	25	25	21.40	21.41	21.31			
10	64QAM	50	0	21.44	21.36	21.31			
Channel				26715	26865	27015	25.5	0	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.33	24.37	24.22	25.5	1	
5	QPSK	1	12	24.40	24.32	24.20			
5	QPSK	1	24	24.32	24.27	24.09			
5	QPSK	12	0	23.46	23.34	23.29	24.5	1	
5	QPSK	12	7	23.48	23.42	23.28			
5	QPSK	12	13	23.43	23.36	23.24			
5	QPSK	25	0	23.46	23.33	23.26	24.5	1	
5	16QAM	1	0	23.60	23.58	23.52			
5	16QAM	1	12	23.64	23.67	23.54			
5	16QAM	1	24	23.66	23.58	23.50	23.5	2	
5	16QAM	12	0	22.50	22.37	22.31			
5	16QAM	12	7	22.51	22.43	22.30			
5	16QAM	12	13	22.47	22.41	22.27	23.5	2	
5	16QAM	25	0	22.49	22.34	22.28			
5	64QAM	1	0	22.58	22.51	22.45			
5	64QAM	1	12	22.56	22.42	22.39	23.5	2	
5	64QAM	1	24	22.54	22.49	22.36			
5	64QAM	12	0	21.53	21.36	21.33			
5	64QAM	12	7	21.48	21.43	21.29	22.5	3	
5	64QAM	12	13	21.45	21.41	21.29			
5	64QAM	25	0	21.39	21.30	21.27			
Channel				26705	26865	27025	25.5	0	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.29	24.34	24.14	25.5	1	
3	QPSK	1	8	24.33	24.31	24.20			
3	QPSK	1	14	24.37	24.27	23.89			
3	QPSK	8	0	23.40	23.29	23.27	24.5	1	
3	QPSK	8	4	23.42	23.45	23.31			
3	QPSK	8	7	23.45	23.37	23.24			
3	QPSK	15	0	23.44	23.40	23.26	24.5	1	
3	16QAM	1	0	23.53	23.60	23.52			
3	16QAM	1	8	23.61	23.67	23.54			
3	16QAM	1	14	23.70	23.61	23.55	23.5	2	
3	16QAM	8	0	22.50	22.37	22.33			
3	16QAM	8	4	22.55	22.51	22.35			
3	16QAM	8	7	22.49	22.42	22.28	23.5	2	
3	16QAM	15	0	22.50	22.43	22.30			
3	64QAM	1	0	22.56	22.48	22.39			
3	64QAM	1	8	22.62	22.55	22.44	23.5	2	
3	64QAM	1	14	22.65	22.57	22.41			
3	64QAM	8	0	21.51	21.36	21.31			
3	64QAM	8	4	21.50	21.44	21.31	22.5	3	
3	64QAM	8	7	21.50	21.44	21.36			
3	64QAM	15	0	21.48	21.38	21.25			
Channel				26897	26865	27033	25.5	0	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.15	24.30	24.04	25.5	1	
1.4	QPSK	1	3	24.33	24.28	24.16			
1.4	QPSK	1	5	24.33	24.20	24.03			
1.4	QPSK	3	0	24.27	24.22	24.07	24.5	1	
1.4	QPSK	3	1	24.31	24.29	24.15			
1.4	QPSK	3	3	24.30	24.22	24.07			
1.4	QPSK	6	0	23.37	23.34	23.19	24.5	1	
1.4	16QAM	1	0	23.49	23.52	23.41			
1.4	16QAM	1	3	23.61	23.64	23.48			
1.4	16QAM	1	5	23.59	23.56	23.40	23.5	2	
1.4	16QAM	3	0	23.35	23.33	23.18			
1.4	16QAM	3	1	23.40	23.38	23.26			
1.4	16QAM	3	3	23.40	23.29	23.14	23.5	2	
1.4	16QAM	6	0	22.50	22.41	22.25			
1.4	64QAM	1	0	22.47	22.40	22.30			
1.4	64QAM	1	3	22.56	22.45	22.38	23.5	2	
1.4	64QAM	1	5	22.49	22.39	22.33			
1.4	64QAM	3	0	22.40	22.30	22.24			
1.4	64QAM	3	1	22.43	22.48	22.26	22.5	3	
1.4	64QAM	3	3	22.41	22.31	22.21			
1.4	64QAM	6	0	21.40	21.37	21.19			

Band 38 ANT0 Default Power									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.52	24.64	24.51			
20	QPSK	1	49	24.53	24.60	24.56	24.5	1	
20	QPSK	1	99	24.54	24.57	24.53			
20	QPSK	50	0	23.52	23.75	23.65			
20	QPSK	50	24	23.70	23.66	23.65	24.5	1	
20	QPSK	50	50	23.69	23.68	23.66			
20	QPSK	100	0	23.56	23.67	23.65			
20	16QAM	1	0	23.61	23.66	23.66	24.5	1	
20	16QAM	1	49	23.71	23.68	23.70			
20	16QAM	1	99	23.73	23.71	23.68			
20	16QAM	50	0	22.62	22.70	22.61	23.5	2	
20	16QAM	50	24	22.71	22.72	22.82			
20	16QAM	50	50	22.72	22.73	22.73			
20	16QAM	100	0	22.70	22.60	22.72	23.5	2	
20	64QAM	1	0	22.67	22.61	22.53			
20	64QAM	1	49	22.63	22.63	22.55			
20	64QAM	1	99	22.56	22.58	22.54	22.5	3	
20	64QAM	50	0	21.53	21.63	21.53			
20	64QAM	50	24	21.63	21.65	21.75			
20	64QAM	50	50	21.54	21.67	21.67	22.5	3	
20	64QAM	100	0	21.63	21.75	21.75			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	24.58	24.55	24.54			
15	QPSK	1	37	24.51	24.62	24.47	24.5	1	
15	QPSK	1	74	24.57	24.60	24.54			
15	QPSK	36	0	23.59	23.66	23.70	24.5	1	
15	QPSK	36	20	23.71	23.66	23.64			
15	QPSK	36	39	23.58	23.68	23.64	24.5	1	
15	QPSK	75	0	23.63	23.67	23.66			
15	16QAM	1	0	23.72	23.69	23.78	24.5	1	
15	16QAM	1	37	23.64	23.77	23.80			
15	16QAM	1	74	23.70	23.74	23.68	23.5	2	
15	16QAM	36	0	22.60	22.59	22.62			
15	16QAM	36	20	22.61	22.66	22.66	23.5	2	
15	16QAM	36	39	22.69	22.69	22.64			
15	16QAM	75	0	22.69	22.64	22.66	23.5	2	
15	64QAM	1	0	22.70	22.62	22.55			
15	64QAM	1	37	22.60	22.65	22.48	22.5	3	
15	64QAM	1	74	22.57	22.64	22.53			
15	64QAM	36	0	21.54	21.62	21.65	22.5	3	
15	64QAM	36	20	21.64	21.69	21.70			
15	64QAM	36	39	21.74	21.74	21.69	22.5	3	
15	64QAM	75	0	21.68	21.65	21.66			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	24.56	24.57	24.42			
10	QPSK	1	25	24.40	24.46	24.44	24.5	1	
10	QPSK	1	49	24.50	24.60	24.49			
10	QPSK	25	0	23.63	23.65	23.58	24.5	1	
10	QPSK	25	12	23.64	23.50	23.56			
10	QPSK	25	25	23.47	23.56	23.52	24.5	1	
10	QPSK	50	0	23.61	23.56	23.62			
10	16QAM	1	0	23.56	23.54	23.69	24.5	1	
10	16QAM	1	25	23.56	23.53	23.60			
10	16QAM	1	49	23.54	23.64	23.62	23.5	2	
10	16QAM	25	0	22.59	22.62	22.57			
10	16QAM	25	12	22.63	22.68	22.64	23.5	2	
10	16QAM	25	25	22.65	22.72	22.70			
10	16QAM	50	0	22.68	22.62	22.58	23.5	2	
10	64QAM	1	0	22.44	22.51	22.55			
10	64QAM	1	25	22.25	22.49	22.37	22.5	3	
10	64QAM	1	49	22.43	22.51	22.39			
10	64QAM	25	0	21.57	21.57	21.50	22.5	3	
10	64QAM	25	12	21.60	21.51	21.57			
10	64QAM	25	25	21.49	21.68	21.56	22.5	3	
10	64QAM	50	0	21.52	21.48	21.52			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	24.40	24.58	24.52			
5	QPSK	1	12	24.48	24.61	24.52	24.5	1	
5	QPSK	1	24	24.60	24.38	24.44			
5	QPSK	12	0	23.67	23.63	23.69	24.5	1	
5	QPSK	12	7	23.64	23.62	23.64			
5	QPSK	12	13	23.64	23.65	23.62	24.5	1	
5	QPSK	25	0	23.63	23.61	23.65			
5	16QAM	1	0	23.54	23.49	23.66	24.5	1	
5	16QAM	1	12	23.86	23.67	23.52			
5	16QAM	1	24	23.63	23.68	23.56	23.5	2	
5	16QAM	12	0	22.68	22.55	22.50			
5	16QAM	12	7	22.56	22.54	22.55	23.5	2	
5	16QAM	12	13	22.55	22.75	22.62			
5	16QAM	25	0	22.63	22.71	22.72	23.5	2	
5	64QAM	1	0	22.90	22.72	22.64			
5	64QAM	1	12	22.75	22.80	22.73	22.5	3	
5	64QAM	1	24	22.78	22.61	22.67			
5	64QAM	12	0	21.59	21.65	21.70	22.5	3	
5	64QAM	12	7	21.67	21.65	21.76			
5	64QAM	12	13	21.57	21.74	21.62	22.5	3	
5	64QAM	25	0	21.56	21.47	21.66			

Band 41 ANT0 Default Power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.53	24.61	24.68	24.55	24.59	24.5	1
20	QPSK	1	49	24.58	24.57	24.62	24.63	24.60		
20	QPSK	1	99	24.48	24.53	24.63	24.49	24.57		
20	QPSK	50	0	23.68	23.68	23.81	23.74	23.72		
20	QPSK	50	24	23.71	23.72	23.65	23.62	23.69	24.5	1
20	QPSK	50	50	23.68	23.77	23.76	23.65	23.72		
20	QPSK	100	0	23.71	23.80	23.85	23.69	23.56		
20	16QAM	1	0	23.70	23.69	23.85	23.80	23.85		
20	16QAM	1	49	23.65	23.66	23.77	23.69	23.61	24.5	1
20	16QAM	1	99	23.61	23.69	23.78	23.72	23.65		
20	16QAM	50	0	22.67	22.65	22.77	22.72	22.70		
20	16QAM	50	24	22.79	22.78	22.70	22.68	22.78		
20	16QAM	50	50	22.76	22.85	22.81	22.81	22.72	23.5	2
20	16QAM	100	0	22.71	22.78	22.80	22.75	22.56		
20	64QAM	1	0	22.56	22.58	22.73	22.67	22.71		
20	64QAM	1	49	22.50	22.62	22.53	22.53	22.54		
20	64QAM	1	99	22.49	22.67	22.64	22.68	22.51	23.5	2
20	64QAM	50	0	21.50	21.59	21.74	21.64	21.54		
20	64QAM	50	24	21.72	21.73	21.65	21.62	21.62		
20	64QAM	50	50	21.70	21.79	21.76	21.63	21.67		
20	64QAM	100	0	21.83	21.81	21.85	21.68	21.70	22.5	3
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.37	24.55	24.55	24.47	24.43		
15	QPSK	1	37	24.42	24.44	24.49	24.50	24.39		
15	QPSK	1	74	24.38	24.58	24.62	24.42	24.43		
15	QPSK	36	0	23.59	23.52	23.59	23.56	23.58		
15	QPSK	36	20	23.56	23.65	23.69	23.48	23.54	24.5	1
15	QPSK	36	39	23.58	23.70	23.70	23.61	23.46		
15	QPSK	75	0	23.67	23.67	23.69	23.59	23.52		
15	16QAM	1	0	23.61	23.70	23.78	23.70	23.56		
15	16QAM	1	37	23.58	23.59	23.60	23.54	23.56	24.5	1
15	16QAM	1	74	23.54	23.84	23.68	23.65	23.51		
15	16QAM	36	0	22.43	22.56	22.61	22.57	22.44		
15	16QAM	36	20	22.59	22.67	22.69	22.59	22.68		
15	16QAM	36	39	22.61	22.62	22.63	22.61	22.49	23.5	2
15	16QAM	75	0	22.66	22.74	22.66	22.54	22.59		
15	64QAM	1	0	22.51	22.66	22.68	22.49	22.64		
15	64QAM	1	37	22.45	22.58	22.50	22.42	22.42		
15	64QAM	1	74	22.50	22.53	22.54	22.43	22.44	23.5	2
15	64QAM	36	0	21.57	21.59	21.63	21.60	21.54		
15	64QAM	36	20	21.64	21.71	21.73	21.54	21.61		
15	64QAM	36	39	21.64	21.66	21.67	21.66	21.52		
15	64QAM	75	0	21.67	21.64	21.67	21.55	21.49	22.5	3
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.41	24.53	24.55	24.41	24.53		
10	QPSK	1	25	24.36	24.51	24.50	24.35	24.57		
10	QPSK	1	49	24.49	24.58	24.54	24.53	24.54		
10	QPSK	25	0	23.62	23.58	23.57	23.41	23.38		
10	QPSK	25	12	23.59	23.60	23.55	23.58	23.57	24.5	1
10	QPSK	25	25	23.62	23.56	23.59	23.61	23.52		
10	QPSK	50	0	23.56	23.64	23.69	23.61	23.45		
10	16QAM	1	0	23.52	23.64	23.73	23.57	23.63		
10	16QAM	1	25	23.34	23.61	23.38	23.51	23.40	24.5	1
10	16QAM	1	49	23.46	23.56	23.58	23.56	23.42		
10	16QAM	25	0	22.43	22.58	22.46	22.55	22.38		
10	16QAM	25	12	22.70	22.69	22.62	22.65	22.59		
10	16QAM	25	25	22.63	22.64	22.64	22.68	22.62	23.5	2
10	16QAM	50	0	22.76	22.73	22.57	22.59	22.55		
10	64QAM	1	0	22.50	22.44	22.42	22.45	22.66		
10	64QAM	1	25	22.39	22.33	22.54	22.29	22.36		
10	64QAM	1	49	22.49	22.45	22.46	22.45	22.38	23.5	2
10	64QAM	25	0	21.58	21.54	21.59	21.53	21.52		
10	64QAM	25	12	21.55	21.65	21.57	21.49	21.54		
10	64QAM	25	25	21.50	21.61	21.61	21.54	21.56		
10	64QAM	50	0	21.51	21.47	21.61	21.43	21.49	22.5	3
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.32	24.32	24.62	24.58	24.51		
5	QPSK	1	12	24.52	24.41	24.58	24.53	24.63		
5	QPSK	1	24	24.64	24.52	24.39	24.41	24.66		
5	QPSK	12	0	23.77	23.63	23.79	23.73	23.73		
5	QPSK	12	7	23.78	23.83	23.88	23.81	23.68	24.5	1
5	QPSK	12	13	23.63	23.77	23.80	23.73	23.64		
5	QPSK	25	0	23.76	23.75	23.79	23.71	23.75		
5	16QAM	1	0	23.67	23.67	23.76	23.61	23.65		
5	16QAM	1	12	23.99	23.71	23.74	24.01	23.71	24.5	1
5	16QAM	1	24	23.91	23.83	23.73	23.94	23.62		
5	16QAM	12	0	22.63	22.58	22.73	22.66	22.77		
5	16QAM	12	7	22.64	22.78	22.70	22.74	22.73		
5	16QAM	12	13	22.78	22.81	22.82	22.84	22.69	23.5	2
5	16QAM	25	0	22.79	22.84	22.88	22.80	22.68		
5	64QAM	1	0	22.57	22.52	22.77	22.70	22.82		
5	64QAM	1	12	22.69	22.69	22.73	22.74	22.68		
5	64QAM	1	24	22.68	22.84	22.86	22.68	22.65	23.5	2
5	64QAM	12	0	21.72	21.78	21.81	21.74	21.65		
5	64QAM	12	7	21.74	21.80	21.92	21.84	21.82		
5	64QAM	12	13	21.69	21.81	21.82	21.75	21.67		
5	64QAM	25	0	21.73	21.79	21.81	21.65	21.71	22.5	3

ANT4 Default Power							
GSM850	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)		
TX Channel	128	169	251		128	169	251
Frequency (MHz)	824.2	838.4	848.8		824.2	838.4	848.8
GSM 1 Tx slot	32.14	32.27	32.11	33.50	23.14	23.27	23.11
GPRS 1 Tx slot	32.19	32.24	31.97	33.50	23.19	23.24	22.97
GPRS 2 Tx slots	29.66	29.59	29.46	30.50	23.66	23.59	23.46
GPRS 3 Tx slots	27.64	27.44	27.85	28.50	23.38	23.18	23.59
GPRS 4 Tx slots	26.48	26.54	26.45	27.50	23.48	23.54	23.45
EDGE 1 Tx slot	26.11	26.00	25.97	27.50	17.11	17.00	16.97
EDGE 2 Tx slots	23.36	23.54	23.16	24.50	17.36	17.54	17.16
EDGE 3 Tx slots	21.47	21.55	21.29	23.00	17.21	17.29	17.03
EDGE 4 Tx slots	20.09	20.40	20.13	21.50	17.09	17.40	17.13

ANT4 Default Power							
GSM1900	Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)		
TX Channel	512	661	810	Limit	512	661	810
Frequency (MHz)	1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8
GSM 1 Tx slot	28.99	28.98	28.84	30.50	19.99	19.98	19.84
GPRS 1 Tx slot	29.04	28.89	28.79	30.50	20.04	19.89	19.79
GPRS 2 Tx slots	26.39	26.52	26.51	27.50	20.39	20.52	20.51
GPRS 3 Tx slots	24.31	24.38	24.04	25.50	20.05	20.12	19.78
GPRS 4 Tx slots	22.87	23.10	22.81	24.50	19.87	20.10	19.81
EDGE 1 Tx slot	24.76	24.91	24.63	26.50	15.76	15.91	15.63
EDGE 2 Tx slots	22.18	22.25	22.24	24.00	16.18	16.25	16.24
EDGE 3 Tx slots	19.51	19.57	19.54	21.50	15.25	15.31	15.28
EDGE 4 Tx slots	19.29	19.04	19.40	20.50	16.29	16.04	16.40

		ANT4 Default Power				ANT4 Default Power				ANT4 Default Power			
Band		WCDMA II				WCDMA IV				WCDMA V			
Rx Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	Tune-up
Rx Channel		9662	9800	9938	Limit	1537	1638	1738	Limit	4357	4407	4458	Limit
Frequency (MHz)		1852.4	1880	1907.8	(dBm)	1712.4	1732.6	1752.6	(dBm)	826.4	836.4	846.6	(dBm)
3GPP Rel 99	AMR 12.2Kbps	23.28	23.34	23.19	24.50	23.75	23.78	23.80	24.50	24.54	24.46	24.42	25.50
3GPP Rel 99	RMC 12.2Kbps	23.31	23.36	23.20	24.50	23.73	23.83	23.81	24.50	24.44	24.47	24.46	25.50
3GPP Rel 6	HSDPA Subtest-1	22.33	22.38	22.21	23.50	22.83	22.89	22.90	23.50	23.46	23.47	23.46	24.50
3GPP Rel 6	HSDPA Subtest-2	22.35	22.36	22.23	23.50	22.87	22.89	22.82	23.50	23.46	23.45	23.50	24.50
3GPP Rel 6	HSDPA Subtest-3	21.83	21.85	21.71	23.00	22.35	22.40	22.06	23.00	22.91	22.95	23.00	24.00
3GPP Rel 6	HSDPA Subtest-4	21.86	21.86	21.67	23.00	22.32	22.39	22.44	23.00	22.94	22.98	22.98	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.36	22.48	22.11	23.50	22.85	22.83	22.84	23.50	23.40	23.37	23.52	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.25	22.46	22.26	23.50	22.77	22.82	22.81	23.50	23.52	23.47	23.47	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.78	21.90	21.85	23.00	22.37	22.36	22.01	23.00	22.87	22.95	23.01	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.96	21.96	21.80	23.00	22.31	22.49	22.50	23.00	23.00	22.97	22.97	24.00
3GPP Rel 6	HSUPA Subtest-1	22.31	22.36	22.20	23.50	22.86	22.86	22.90	23.50	23.39	23.44	23.44	24.50
3GPP Rel 6	HSUPA Subtest-2	20.25	20.28	20.19	21.50	20.83	20.78	20.79	21.50	21.39	21.42	21.37	22.50
3GPP Rel 6	HSUPA Subtest-3	21.29	21.33	21.22	22.50	21.84	21.90	21.88	22.50	22.42	22.44	22.42	23.50
3GPP Rel 6	HSUPA Subtest-4	20.30	20.35	20.28	21.50	20.84	20.89	20.87	21.50	21.39	21.45	21.42	22.50
3GPP Rel 6	HSUPA Subtest-5	22.30	22.25	22.20	23.50	22.80	22.85	22.90	23.50	23.40	23.40	23.40	24.50



Band 2 ANT4 Default Power																		
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)										
Channel																		
Frequency (MHz)																		
20	QPSK	1	0	22.21	22.53	22.27	23.5	0										
20	QPSK	1	49	22.31	22.41	22.36												
20	QPSK	1	99	22.26	22.21	22.17												
20	QPSK	50	0	21.37	21.38	21.26	22.5	1										
20	QPSK	50	24	21.35	21.21	21.31												
20	QPSK	50	50	21.29	21.29	21.12												
20	QPSK	100	0	21.30	21.39	21.22	22.5	1										
20	16QAM	1	0	21.45	21.65	21.36												
20	16QAM	1	49	21.61	21.45	21.52												
20	16QAM	1	99	21.31	21.56	21.44	21.5	2										
20	16QAM	50	0	20.75	20.47	20.67												
20	16QAM	50	24	20.69	20.61	20.65												
20	16QAM	50	50	20.66	20.62	20.54	21.5	2										
20	16QAM	100	0	20.62	20.59	20.57												
20	64QAM	1	0	20.44	20.57	20.22												
20	64QAM	1	49	20.22	20.32	20.60	21.5	2										
20	64QAM	1	99	20.29	20.25	20.45												
20	64QAM	50	0	19.40	19.34	19.30												
20	64QAM	50	24	19.46	19.18	19.25	20.5	3										
20	64QAM	50	50	19.38	19.23	19.24												
20	64QAM	100	0	19.38	19.20	19.33												
Channel																		
Frequency (MHz)																		
15	QPSK	1	0	22.23	22.31	22.02.5	23.5	0										
15	QPSK	1	37	22.23	22.32	22.19												
15	QPSK	1	74	22.05	22.13	22.04												
15	QPSK	36	0	21.43	21.25	21.23	22.5	1										
15	QPSK	36	20	21.36	21.19	21.29												
15	QPSK	36	39	21.26	21.20	21.26												
15	QPSK	75	0	21.30	21.23	21.30	22.5	1										
15	16QAM	1	0	21.49	21.47	21.28												
15	16QAM	1	37	21.25	21.56	21.39												
15	16QAM	1	74	21.30	21.41	21.34	21.5	2										
15	16QAM	36	0	20.34	20.35	20.31												
15	16QAM	36	20	20.46	20.36	20.35												
15	16QAM	36	39	20.29	20.25	20.20	21.5	2										
15	16QAM	75	0	20.40	20.26	20.21												
15	64QAM	1	0	20.40	20.32	20.45												
15	64QAM	1	37	20.33	20.10	20.10	21.5	2										
15	64QAM	1	74	20.27	20.35	20.29												
15	64QAM	36	0	19.39	19.29	19.35												
15	64QAM	36	20	1937	1916	1926	20.5	3										
15	64QAM	36	39	1928	1925	1927												
15	64QAM	75	0	19.45	19.21	19.25												
Channel																		
Frequency (MHz)																		
10	QPSK	1	0	22.36	22.42	22.41	23.5	0										
10	QPSK	1	25	22.35	22.34	22.46												
10	QPSK	1	49	22.51	22.16	22.45												
10	QPSK	25	0	21.49	21.41	21.38	22.5	1										
10	QPSK	25	12	21.33	21.45	21.41												
10	QPSK	25	25	21.43	21.26	21.38												
10	QPSK	50	0	21.40	21.43	21.44	22.5	1										
10	16QAM	1	0	21.41	21.38	21.28												
10	16QAM	1	25	21.17	21.36	21.33												
10	16QAM	1	49	21.15	21.13	21.30	21.5	2										
10	16QAM	25	0	20.57	20.51	20.48												
10	16QAM	25	12	20.47	20.34	20.39												
10	16QAM	25	25	20.48	20.46	20.32	21.5	2										
10	16QAM	50	0	20.53	20.38	20.37												
10	64QAM	1	0	20.48	20.45	20.55												
10	64QAM	1	25	20.40	20.57	20.65	21.5	2										
10	64QAM	1	49	20.30	20.50	20.35												
10	64QAM	25	0	19.46	19.46	19.33												
10	64QAM	25	12	19.54	19.38	19.44	20.5	3										
10	64QAM	25	25	19.40	19.37	19.39												
10	64QAM	50	0	19.47	19.40	19.47												
Channel																		
Frequency (MHz)																		
5	QPSK	1	0	22.32	22.31	22.12	23.5	0										
5	QPSK	1	12	22.13	22.37	22.24												
5	QPSK	1	24	22.42	22.19	22.22												
5	QPSK	12	0	21.49	21.53	21.40	22.5	1										
5	QPSK	12	7	21.41	21.51	21.41												
5	QPSK	12	13	21.35	21.37	21.26												
5	QPSK	25	0	21.56	21.35	21.29	22.5	1										
5	16QAM	1	0	21.53	21.49	21.44												
5	16QAM	1	12	21.49	21.39	21.59												
5	16QAM	1	24	21.24	21.51	21.36	21.5	2										
5	16QAM	12	0	20.49	20.54	20.43												
5	16QAM	12	7	20.62	20.47	20.57												
5	16QAM	12	13	20.43	20.43	20.28	21.5	2										
5	16QAM	25	0	20.50	20.48	20.30												
5	64QAM	1	0	19.97	20.18	20.12												
5	64QAM	1	12	19.92	20.14	19.93	21.5	2										
5	64QAM	1	24	20.00	19.83	20.09												
5	64QAM	12	0	19.54	19.69	19.40												
5	64QAM	12	7	19.43	19.49	19.41	20.5	3										
5	64QAM	12	13	19.49	19.38	19.34												
5	64QAM	25	0	19.36	19.37	19.27												
Channel																		
Frequency (MHz)																		
3	QPSK	1	0	22.42	22.48	22.40	23.5	0										
3	QPSK	1	8	22.32	22.28	22.48												
3	QPSK	1	14	22.25	22.24	22.14												
3	QPSK	8	0	21.59	21.48	21.50	22.5	1										
3	QPSK	8	4	21.67	21.47	21.36												
3	QPSK	8	7	21.41	21.38	21.25												
3	QPSK	15	0	21.44	21.50	21.37	22.5	1										
3	16QAM	1	0	21.45	21.50	21.38												
3	16QAM	1	8	21.49	21.44	21.68												
3	16QAM	1	14	21.69	21.69	21.51	21.5	2										
3	16QAM	1	14	20.49	20.49	20.40												
3	16QAM	8	0	20.71	20.45	20.47												
3	16QAM	8	4	20.53	20.37	20.35	21.5	2										
3	16QAM	8	7	20.52	20.49	20.35												
3	16QAM	15	0	20.46	20.68	20.34												
3	64QAM	1	0	20.61	20.65	20.34	21.5	2										
3	64QAM	1	8	20.29	20.64	20.50												
3	64QAM	1	14	20.49	20.49	20.42												
3	64QAM	8	0	19.39	19.52	19.44	20.5	3										
3	64QAM	8	4	19.43	19.48	19.12												
3	64QAM	8	7	19.49	19.36	19.41												
3	64QAM	15	0	19.40	19.35	19.44												
Channel																		
Frequency (MHz)																		
1.4	QPSK	1	0	22.47	22.50	22.43	23.5	0										
1.4	QPSK	1	3	22.38	22.38	22.13												
1.4	QPSK	1	3	22.28	22.22	22.24												
1.4	QPSK	3	0	22.19	22.23	22.25	22.5	0										
1.4	QPSK	3	1	22.28	22.22	22.28												
1.4	QPSK	3	3	22.26	22.19	22.08												
1.4	QPSK	6	0	21.42	21.42	21.21	22.5	1										
1.4	16QAM	1	0	21.25	21.50	21.30												
1.4	16QAM	1	3	21.50	21.25	21.23												
1.4	16QAM	1	5	21.20	21.39	21.20	22.5	1										
1.4	16QAM	3	0	21.46	21.49	21.23												
1.4	16QAM	3	1	21.55	21.34	21.19												
1.4	16QAM	3	3	21.33	21.43	21.43	21.5	2										
1.4	16QAM	6	0	20.25	20.34	20.30												
1.4	64QAM	1	0	20.40	20.47	20.27												
1.4	64QAM	1	3	20.28	20.27	20.33	21.5	2										
1.4	64QAM	1	5	20.28	20.39	20.15												
1.4	64QAM	3	0	20.58	20.39	20.47												
1.4	64QAM	3	3	20.40	20.39	20.30	20.5	3										
1.4	64QAM	3	3	20.42	20.21	20.20												
1.4	64QAM	6	0	19.09	19.26	19.30												



Band 7 ANT4 Default Power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.56	22.67	22.35	23.5	0		
20	QPSK	1	49	22.35	22.46	22.34				
20	QPSK	1	99	22.38	22.46	22.42				
20	QPSK	50	0	21.38	21.65	21.42	22.5	1		
20	QPSK	50	24	21.46	21.49	21.56				
20	QPSK	50	50	21.47	21.55	21.49				
20	QPSK	100	0	21.45	21.52	21.40	22.5	1		
20	16QAM	1	0	21.71	21.79	21.83				
20	16QAM	1	49	21.91	21.97	21.61				
20	16QAM	1	99	21.98	21.75	21.63	21.5	2		
20	16QAM	50	0	20.40	20.49	20.43				
20	16QAM	50	24	20.46	20.45	20.44				
20	16QAM	50	50	20.57	20.53	20.63	21.5	2		
20	16QAM	100	0	20.50	20.54	20.50				
20	64QAM	1	0	20.61	20.55	20.48				
20	64QAM	1	49	20.47	20.51	20.77	21.5	2		
20	64QAM	1	99	20.48	20.77	20.78				
20	64QAM	50	0	19.35	19.43	19.44				
20	64QAM	50	24	19.54	19.44	19.60	20.5	3		
20	64QAM	50	50	19.49	19.50	19.68				
20	64QAM	100	0	19.59	19.48	19.50				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
15	QPSK	1	0	22.34	22.62	22.28	23.5	0		
15	QPSK	1	37	22.37	22.32	22.56				
15	QPSK	1	74	22.44	22.45	22.43				
15	QPSK	36	0	21.47	21.58	21.50	22.5	1		
15	QPSK	36	20	21.48	21.46	21.51				
15	QPSK	36	39	21.49	21.51	21.58				
15	QPSK	75	0	21.56	21.49	21.54	22.5	1		
15	16QAM	1	0	21.49	21.79	21.72				
15	16QAM	1	37	21.52	21.48	21.49				
15	16QAM	1	74	21.59	21.50	21.70	21.5	2		
15	16QAM	36	0	20.50	20.40	20.56				
15	16QAM	36	20	20.46	20.43	20.59				
15	16QAM	36	39	20.57	20.55	20.62	21.5	2		
15	16QAM	75	0	20.51	20.46	20.51				
15	64QAM	1	0	20.45	20.59	20.73				
15	64QAM	1	37	20.58	20.64	20.81	21.5	2		
15	64QAM	1	74	20.47	20.75	20.62				
15	64QAM	36	0	19.47	19.50	19.53				
15	64QAM	36	20	19.45	19.52	19.49	20.5	3		
15	64QAM	36	39	19.55	19.56	19.49				
15	64QAM	75	0	19.44	19.38	19.50				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
10	QPSK	1	0	22.32	22.65	22.40	23.5	0		
10	QPSK	1	25	22.46	22.51	22.66				
10	QPSK	1	49	22.43	22.56	22.52				
10	QPSK	25	0	21.64	21.56	21.63	22.5	1		
10	QPSK	25	12	21.53	21.67	21.69				
10	QPSK	25	25	21.57	21.75	21.82				
10	QPSK	50	0	21.56	21.55	21.64	22.5	1		
10	16QAM	1	0	21.59	21.55	21.44				
10	16QAM	1	25	21.76	21.65	21.53				
10	16QAM	1	49	21.72	21.70	21.68	21.5	2		
10	16QAM	25	0	20.56	20.56	20.42				
10	16QAM	25	12	20.59	20.46	20.38				
10	16QAM	25	25	20.52	20.40	20.60	21.5	2		
10	16QAM	50	0	20.59	20.56	20.70				
10	64QAM	1	0	20.47	20.55	20.31				
10	64QAM	1	25	20.57	20.34	20.54	21.5	2		
10	64QAM	1	49	20.45	20.36	20.56				
10	64QAM	25	0	19.55	19.46	19.65				
10	64QAM	25	12	19.66	19.72	19.76	20.5	3		
10	64QAM	25	25	19.65	19.71	19.78				
10	64QAM	50	0	19.57	19.43	19.70				
Channel							Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	22.45	22.62	22.54	23.5	0		
5	QPSK	1	12	22.33	22.36	22.47				
5	QPSK	1	24	22.55	22.62	22.58				
5	QPSK	12	0	21.51	21.58	21.64	22.5	1		
5	QPSK	12	7	21.69	21.67	21.77				
5	QPSK	12	13	21.64	21.65	21.77				
5	QPSK	25	0	21.56	21.66	21.79	22.5	1		
5	16QAM	1	0	21.62	21.66	21.50				
5	16QAM	1	12	21.42	21.74	21.69				
5	16QAM	1	24	21.74	21.60	21.51	21.5	2		
5	16QAM	12	0	20.57	20.43	20.77				
5	16QAM	12	7	20.72	20.71	20.75				
5	16QAM	12	13	20.74	20.79	20.68	21.5	2		
5	16QAM	25	0	20.57	20.56	20.74				
5	64QAM	1	0	20.56	20.47	20.74				
5	64QAM	1	12	20.69	20.61	20.53	20.5	3		
5	64QAM	1	24	20.78	20.74	20.61				
5	64QAM	12	0	19.53	19.57	19.56				
5	64QAM	12	7	19.56	19.52	19.68	20.5	3		
5	64QAM	12	13	19.46	19.72	19.59				
5	64QAM	25	0	19.49	19.55	19.82				

Band 12 ANT4 Default Power										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				23600	23695	23730				
Frequency (MHz)				707.5	707.5	711.1				
10	QPSK	1	0	24.58	24.76	24.57	25.5	0		
10	QPSK	1	25	24.54	24.54	24.37				
10	QPSK	1	49	24.58	24.60	24.61				
10	QPSK	25	0	23.57	23.78	23.63	24.5	1		
10	QPSK	25	12	23.76	23.61	23.47				
10	QPSK	25	25	23.65	23.61	23.55				
10	QPSK	50	0	23.70	23.73	23.68	24.5	1		
10	16QAM	1	0	24.13	23.82	23.76				
10	16QAM	1	25	23.76	24.06	23.74				
10	16QAM	1	49	23.75	23.83	24.08	23.5	2		
10	16QAM	25	0	22.66	22.56	22.58				
10	16QAM	25	12	22.81	22.75	22.50				
10	16QAM	25	25	22.69	22.58	22.60	23.5	2		
10	16QAM	50	0	22.70	22.65	22.66				
10	64QAM	1	0	22.71	22.72	22.66				
10	64QAM	1	25	22.59	22.75	22.63	23.5	2		
10	64QAM	1	49	22.61	22.68	22.61	22.5	3		
10	64QAM	25	0	21.69	21.62	21.56				
10	64QAM	25	12	21.79	21.62	21.72				
10	64QAM	25	25	21.64	21.59	21.73	22.5	3		
10	64QAM	50	0	21.71	21.56	21.49				
10	64QAM	50	12	21.81	21.56	21.73				
Channel				23035	23095	23155	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				707.5	707.5	713.5				
5	QPSK	1	0	24.50	24.75	24.50	25.5	0		
5	QPSK	1	24	24.71	24.64	24.61				
5	QPSK	1	24	24.72	24.74	24.66				
5	QPSK	12	0	23.79	23.81	23.78	24.5	1		
5	QPSK	12	7	23.77	23.83	23.79				
5	QPSK	12	13	23.89	23.80	23.72				
5	QPSK	25	0	23.86	23.75	23.77	24.5	1		
5	16QAM	1	0	23.63	23.78	23.65				
5	16QAM	1	12	23.86	23.77	23.83				
5	16QAM	1	24	23.73	23.87	23.86	23.5	2		
5	16QAM	12	0	22.86	22.82	22.72				
5	16QAM	12	7	22.77	22.86	22.98				
5	16QAM	12	13	22.67	22.79	22.75	23.5	2		
5	16QAM	25	0	22.86	22.72	22.67				
5	64QAM	1	0	23.07	22.86	23.02				
5	64QAM	1	12	22.75	22.90	22.98	22.5	3		
5	64QAM	1	24	22.81	23.07	23.10				
5	64QAM	12	0	21.86	21.75	21.69				
5	64QAM	12	7	22.02	21.74	21.85	22.5	3		
5	64QAM	12	13	21.73	21.85	21.69				
5	64QAM	25	0	21.76	21.73	21.56				
Channel				23025	23095	23165	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	24.54	24.72	24.55	25.5	0		
3	QPSK	1	8	24.64	24.66	24.50				
3	QPSK	1	14	24.75	24.65	24.58				
3	QPSK	8	0	23.71	23.65	23.67	24.5	1		
3	QPSK	8	4	23.77	23.70	23.63				
3	QPSK	8	7	23.79	23.65	23.68				
3	QPSK	15	0	23.74	23.62	23.55	24.5	1		
3	16QAM	1	0	23.42	23.79	23.62				
3	16QAM	1	8	23.56	23.61	23.72				
3	16QAM	1	14	23.67	23.59	23.76	23.5	2		
3	16QAM	8	0	22.72	22.72	22.46				
3	16QAM	8	4	22.85	22.78	22.79				
3	16QAM	8	7	22.80	22.79	22.69	23.5	2		
3	16QAM	15	0	22.81	22.63	22.64				
3	64QAM	1	0	22.82	22.81	22.55				
3	64QAM	1	8	22.61	22.75	22.59	22.5	2		
3	64QAM	1	14	22.71	22.72	22.37				
3	64QAM	8	0	21.76	21.67	21.70				
3	64QAM	8	4	21.84	21.85	21.83	22.5	3		
3	64QAM	8	7	21.74	21.54	21.72				
3	64QAM	15	0	21.86	21.62	21.51				
Channel				23017	23695	23731	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	24.62	24.70	24.42	25.5	0		
1.4	QPSK	1	5	24.48	24.40	24.53				
1.4	QPSK	3	0	24.65	24.57	24.42				
1.4	QPSK	3	1	24.74	24.60	24.58	24.5	1		
1.4	QPSK	3	3	24.53	24.44	24.51				
1.4	QPSK	6	0	23.71	23.63	23.53				
1.4	16QAM	1	0	23.94	23.84	23.64	24.5	1		
1.4	16QAM	1	3	23.65	23.86	23.90				
1.4	16QAM	1	5	23.74	23.80	23.81				
1.4	16QAM	3	0	23.81	23.71	23.66	23.5	2		
1.4	16QAM	3	1	23.67	23.93	23.79				
1.4	16QAM	3	3	23.77	23.83	23.63				
1.4	16QAM	6	0	22.67	22.50	22.46	23.5	2		
1.4	64QAM	1	0	22.84	22.69	22.98				
1.4	64QAM	1	3	23.03	23.00	22.71				
1.4	64QAM	1	5	22.76	22.64	22.82	22.5	2		
1.4	64QAM	3	0	22.74	22.69	22.76				
1.4	64QAM	3	1	22.80	22.88	23.67				
1.4	64QAM	3	3	22.58	22.61	22.60	22.5	3		
1.4	64QAM	6	0	21.60	21.59	21.53				

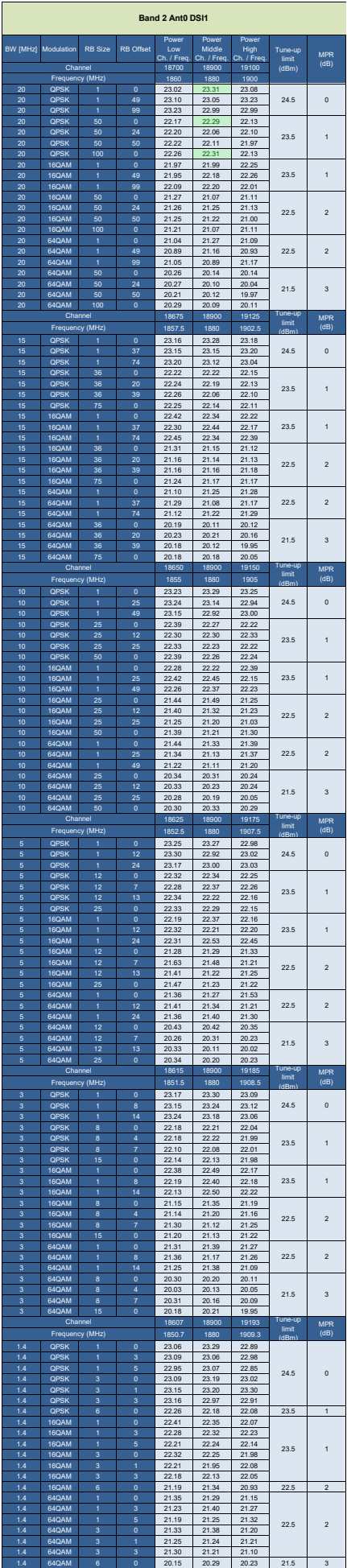
Band 26 ANT4 Default Power											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				26765	26865	26965					
Frequency (MHz)				831.5	831.5	841.5					
15	QPSK	1	0	24.42	24.46	24.48	25.5	0			
15	QPSK	1	37	24.36	24.30	24.34					
15	QPSK	1	74	24.36	24.28	24.28					
15	QPSK	36	0	23.52	23.54	23.26					
15	QPSK	36	20	23.30	23.49	23.28	24.5	1			
15	QPSK	36	39	23.31	23.28	23.36					
15	QPSK	75	0	23.38	23.49	23.43					
15	16QAM	1	0	23.35	23.48	23.38					
15	16QAM	1	37	23.24	23.38	23.34	24.5	1			
15	16QAM	1	74	23.29	23.46	23.19					
15	16QAM	36	0	22.44	22.38	22.28					
15	16QAM	36	20	22.40	22.33	22.17					
15	16QAM	36	39	22.35	22.38	22.17	23.5	2			
15	16QAM	75	0	22.42	22.37	22.28					
15	64QAM	1	0	22.32	22.54	22.38					
15	64QAM	1	37	22.21	22.35	22.20					
15	64QAM	1	74	22.33	22.41	22.31	23.5	2			
15	64QAM	36	0	21.43	21.55	21.49					
15	64QAM	36	20	21.33	21.32	21.35					
15	64QAM	36	39	21.36	21.29	21.28					
15	64QAM	75	0	21.32	21.47	21.47	22.5	3			
Channel				26760	26865	26960					
Frequency (MHz)				819	831.5	844					
10	QPSK	1	0	24.37	24.35	24.35	25.5	0			
10	QPSK	1	25	24.21	24.21	24.25					
10	QPSK	1	49	24.25	24.26	24.07					
10	QPSK	25	0	23.39	23.45	23.11					
10	QPSK	25	12	23.23	23.44	23.23	24.5	1			
10	QPSK	25	25	23.12	23.10	23.35					
10	QPSK	50	0	23.36	23.43	23.32					
10	16QAM	1	0	23.35	23.32	23.20					
10	16QAM	1	25	23.18	23.18	23.18	24.5	1			
10	16QAM	1	49	23.09	23.42	23.07					
10	16QAM	25	0	22.40	22.18	22.21					
10	16QAM	25	12	22.21	22.28	22.07					
10	16QAM	25	25	22.27	22.19	22.09	23.5	2			
10	16QAM	50	0	22.33	22.36	22.16					
10	64QAM	1	0	22.28	22.39	22.26					
10	64QAM	1	25	22.04	22.27	22.15					
10	64QAM	1	49	22.13	22.33	22.14	23.5	2			
10	64QAM	25	0	21.41	21.38	21.39					
10	64QAM	25	12	21.29	21.16	21.20					
10	64QAM	25	25	21.26	21.28	21.18					
10	64QAM	50	0	21.16	21.43	21.34	22.5	3			
Channel				26715	26865	27015					
Frequency (MHz)				819	831.5	844					
5	QPSK	1	0	24.32	24.39	24.22	25.5	0			
5	QPSK	1	12	24.26	24.24	24.41					
5	QPSK	1	24	24.25	24.20	24.20					
5	QPSK	12	0	23.35	23.54	23.22					
5	QPSK	12	7	23.29	23.45	23.32	24.5	1			
5	QPSK	12	13	23.16	23.19	23.29					
5	QPSK	25	0	23.30	23.37	23.54					
5	16QAM	1	0	23.24	23.32	23.39					
5	16QAM	1	12	23.22	23.34	23.37	24.5	1			
5	16QAM	1	24	23.12	23.33	23.12					
5	16QAM	12	0	22.30	22.41	22.28					
5	16QAM	12	7	22.40	22.33	22.22					
5	16QAM	12	13	22.20	22.25	22.08	23.5	2			
5	16QAM	25	0	22.49	22.30	22.23					
5	64QAM	1	0	22.31	22.51	22.44					
5	64QAM	1	12	22.27	22.31	22.23					
5	64QAM	1	24	22.20	22.38	22.25	23.5	2			
5	64QAM	12	0	21.34	21.43	21.49					
5	64QAM	12	7	21.32	21.32	21.40					
5	64QAM	12	13	21.32	21.33	21.11					
5	64QAM	25	0	21.22	21.40	21.48	22.5	3			
Channel				26705	26865	27025					
Frequency (MHz)				815.5	831.5	847.5					
3	QPSK	1	0	24.43	24.33	24.42	25.5	0			
3	QPSK	1	8	24.21	24.14	24.37					
3	QPSK	1	14	24.39	24.33	24.10					
3	QPSK	8	0	23.43	23.41	23.31					
3	QPSK	8	4	23.21	23.49	23.12	24.5	1			
3	QPSK	8	7	23.21	23.34	23.25					
3	QPSK	15	0	23.30	23.30	23.33					
3	16QAM	1	0	23.23	23.41	23.32					
3	16QAM	1	8	23.13	23.34	23.39	24.5	1			
3	16QAM	1	14	23.24	23.41	23.22					
3	16QAM	8	0	22.36	22.30	22.20					
3	16QAM	8	4	22.28	22.18	22.07					
3	16QAM	8	7	22.28	22.24	22.17	23.5	2			
3	16QAM	15	0	22.46	22.36	22.31					
3	64QAM	1	0	22.22	22.37	22.40					
3	64QAM	1	8	22.26	22.23	22.13					
3	64QAM	1	14	22.34	22.36	22.22	23.5	2			
3	64QAM	8	0	21.40	21.41	21.55					
3	64QAM	8	4	21.19	21.21	21.22					
3	64QAM	8	7	21.43	21.28	21.24					
3	64QAM	15	0	21.34	21.40	21.43	22.5	3			
Channel				26697	26865	27033					
Frequency (MHz)				814.7	831.5	848.3					
1.4	QPSK	1	0	24.42	24.46	24.31	25.5	0			
1.4	QPSK	1	3	24.25	24.29	24.28					
1.4	QPSK	1	5	24.23	24.42	24.10					
1.4	QPSK	3	0	24.32	24.43	24.28					
1.4	QPSK	3	1	24.27	24.41	24.26	24.5	1			
1.4	QPSK	3	3	24.40	24.38	24.15					
1.4	QPSK	6	0	23.52	23.34	23.28					
1.4	16QAM	1	0	23.33	23.35	23.15					
1.4	16QAM	1	3	23.17	23.20	23.16	24.5	1			
1.4	16QAM	1	5	23.02	23.21	23.06					
1.4	16QAM	3	0	23.23	23.25	23.21					
1.4	16QAM	3	1	23.26	23.42	23.06					
1.4	16QAM	3	3	23.31	23.31	23.06	23.5	2			
1.4	16QAM	6	0	22.47	22.23	22.18					
1.4	64QAM	1	0	22.33	22.40	22.42					
1.4	64QAM	1	3	22.33	22.27	22.17					
1.4	64QAM	1	5	22.29	22.38	22.04	23.5	2			
1.4	64QAM	3	0	22.29	22.36	22.38					
1.4	64QAM	3	3	22.34	22.45	22.26					
1.4	64QAM	3	3	22.42	22.30	22.17					
1.4	64QAM	6	0	21.51	21.28	21.18	22.5	3			

Reduced power level for WWAN

GSM850 Ant0 DS11								
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	128	189	251	24.2	128	189	251	24.2
Frequency (MHz)	834.2	834.4	834.8	24.2	834.2	834.4	834.8	24.2
GSM 1 Tx slot	32.15	32.10	31.97	33.50	23.15	23.10	22.97	24.50
GPRS 1 Tx slot	32.21	32.04	31.89	33.50	23.21	23.04	22.89	24.50
GPRS 2 Tx slots	29.43	29.46	29.27	30.50	23.43	23.46	23.27	24.50
GPRS 3 Tx slots	27.33	27.74	27.67	28.50	23.07	23.48	23.41	24.24
GPRS 4 Tx slots	26.00	26.32	26.30	27.50	23.00	23.32	23.30	24.50
EDGE 1 Tx slot	25.94	25.96	25.85	27.50	16.94	16.96	16.85	18.50
EDGE 2 Tx slots	23.17	23.11	23.14	24.50	17.17	17.11	17.14	18.50
EDGE 3 Tx slots	21.19	21.24	21.16	23.00	16.93	16.98	16.90	18.74
EDGE 4 Tx slots	19.84	20.12	20.03	21.50	16.84	17.12	17.03	18.50

		GSM1900 Amd DS11						
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	512	
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	
GSM 1 Tx slot	29.27	29.33	29.21	30.50	20.27	20.33	20.21	21.50
GPRS 1 Tx slot	29.34	29.28	29.10	30.50	20.34	20.28	20.10	21.50
GPRS 2 Tx slots	26.70	26.64	26.39	27.50	20.70	20.64	20.39	21.50
GPRS 3 Tx slots	24.63	24.82	24.61	25.50	20.37	20.56	20.35	21.24
GPRS 4 Tx slots	23.17	23.52	23.43	24.50	20.17	20.52	20.43	21.50
EDGE 1 Tx slot	25.23	25.39	25.18	26.50	16.23	16.39	16.18	17.50
EDGE 2 Tx slots	22.51	22.45	22.27	24.00	16.51	16.45	16.27	18.00
EDGE 3 Tx slots	19.92	19.82	19.73	21.50	15.66	15.56	15.47	17.24
EDGE 4 Tx slots	19.97	19.69	19.85	20.50	16.97	16.69	16.85	17.50

WCDMA II Ant0 DS11								
WCDMA IV Ant0 DS11								
WCDMA V Ant0 DS11								
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
TX Channel	9262	9400	9538	1537	1537	1638	1738	4357
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1762.6	1792.6	4385
3GPP Rel 99	24.38	24.33	24.31	25.50	24.26	24.50	24.35	25.50
3GPP Rel 99	24.40	24.43	24.36	25.50	24.13	24.52	24.44	25.50
3GPP Rel 6	23.80	23.83	23.81	24.50	23.42	23.40	23.39	24.50
3GPP Rel 6	23.77	23.82	23.80	24.50	23.55	23.47	23.39	24.50
3GPP Rel 6	22.96	23.26	23.30	24.00	22.96	22.96	22.76	24.00
3GPP Rel 6	23.31	23.32	23.27	24.00	22.93	22.97	22.90	24.00
3GPP Rel 6	23.85	23.80	23.79	24.50	23.32	23.42	23.10	24.50
3GPP Rel 6	23.77	23.87	23.86	24.50	23.40	23.35	23.36	24.50
3GPP Rel 6	23.02	23.22	23.25	24.00	22.82	22.74	22.71	24.00
3GPP Rel 6	23.27	23.37	23.29	24.00	22.79	22.83	22.75	24.00
3GPP Rel 6	23.46	23.45	23.37	24.50	23.44	23.34	23.25	24.50
3GPP Rel 6	21.42	21.43	21.33	22.50	21.56	21.46	21.25	22.50
3GPP Rel 6	22.44	22.47	22.34	23.50	22.41	22.44	22.22	23.50
3GPP Rel 6	21.45	21.46	21.28	22.50	21.42	21.55	21.43	22.50
3GPP Rel 6	23.40	23.50	23.40	24.50	23.45	23.53	23.05	24.50



Band 4 Ant0 DS11										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	24.02	24.25	24.21				
20	QPSK	1	49	24.14	24.05	24.02	25.5	0		
20	QPSK	1	99	24.02	24.02	23.84				
20	QPSK	50	0	23.19	23.20	23.10				
20	QPSK	50	24	23.19	23.20	23.14	24.5	1		
20	QPSK	50	50	23.10	23.13	23.08				
20	QPSK	100	0	23.13	23.18	22.98				
20	16QAM	1	0	23.06	23.31	23.29				
20	16QAM	1	49	23.11	23.39	23.39	24.5	1		
20	16QAM	1	99	23.15	23.12	23.28				
20	16QAM	50	0	22.50	22.50	22.36				
20	16QAM	50	24	22.14	22.16	22.17	23.5	2		
20	16QAM	50	50	22.26	22.07	22.02				
20	16QAM	100	0	22.16	22.19	22.13				
20	64QAM	1	0	22.29	22.28	22.21				
20	64QAM	1	49	22.19	22.15	21.90	23.5	2		
20	64QAM	1	99	22.11	22.15	21.82				
20	64QAM	50	0	21.05	21.23	21.17				
20	64QAM	50	24	21.20	21.14	21.06	22.5	3		
20	64QAM	50	50	21.02	21.12	21.07				
20	64QAM	100	0	21.22	21.17	21.03				
Channel										
Frequency (MHz)										
				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)		
				1715	1732.5	1750				
15	QPSK	1	0	24.05	24.11	24.01	25.5	0		
15	QPSK	1	37	23.98	24.07	23.99				
15	QPSK	1	74	23.94	23.98	23.90				
15	QPSK	36	0	23.10	23.08	23.07				
15	QPSK	36	20	23.14	23.19	23.16	24.5	1		
15	QPSK	36	39	23.13	23.12	23.10				
15	QPSK	36	59	23.15	23.15	23.12				
15	16QAM	1	0	23.16	23.17	23.10				
15	16QAM	1	37	23.24	22.92	23.04	24.5	1		
15	16QAM	1	74	23.28	23.12	23.15				
15	16QAM	36	0	22.04	22.15	22.18				
15	16QAM	36	20	22.15	22.20	22.14	23.5	2		
15	16QAM	36	39	22.12	22.10	22.04				
15	16QAM	75	0	22.19	22.08	22.15				
15	16QAM	1	0	22.05	22.16	22.23				
15	64QAM	1	37	22.13	22.11	22.07	23.5	2		
15	64QAM	1	74	22.18	21.91	21.92				
15	64QAM	36	0	21.10	21.22	21.02				
15	64QAM	36	20	21.11	21.21	21.05	22.5	3		
15	64QAM	36	39	21.11	21.23	21.13				
15	64QAM	75	0	21.10	21.04	21.16				
Channel										
Frequency (MHz)										
				20000	20150	20350	Tune-up limit (dBm)	MPR (dB)		
				1715	1732.5	1750				
10	QPSK	1	0	24.23	24.23	24.15	25.5	0		
10	QPSK	1	25	24.16	24.22	24.14				
10	QPSK	1	49	24.17	24.18	24.13				
10	QPSK	25	0	23.27	23.26	23.13				
10	QPSK	25	12	23.31	23.19	23.21	24.5	1		
10	QPSK	25	25	23.23	23.35	23.24				
10	QPSK	50	0	23.28	23.17	23.19				
10	16QAM	1	0	23.27	23.29	23.13	24.5	1		
10	16QAM	1	25	23.14	23.30	23.32				
10	16QAM	1	49	23.33	23.20	23.13				
10	16QAM	25	0	22.38	22.10	22.24				
10	16QAM	25	12	22.31	22.16	22.23	23.5	2		
10	16QAM	25	25	22.22	22.27	22.25				
10	16QAM	50	0	22.29	22.29	22.25				
10	64QAM	1	0	22.22	22.17	22.13				
10	64QAM	1	25	22.16	22.02	22.23	23.5	2		
10	64QAM	1	49	22.30	22.38	22.23				
10	64QAM	25	0	21.34	21.25	21.27				
10	64QAM	25	12	21.35	21.36	21.21	22.5	3		
10	64QAM	25	25	21.21	21.37	21.29				
10	64QAM	50	0	21.25	21.31	21.01				
Channel										
Frequency (MHz)										
				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)		
				1712.5	1732.5	1750				
5	QPSK	1	0	24.21	24.22	23.94	25.5	0		
5	QPSK	1	12	24.16	23.86	24.04				
5	QPSK	1	24	24.17	24.05	24.04				
5	QPSK	12	0	23.22	23.22	23.15				
5	QPSK	12	7	23.21	23.14	23.14	24.5	1		
5	QPSK	12	13	23.18	23.23	23.15				
5	QPSK	25	0	23.21	23.22	23.18				
5	16QAM	1	0	23.18	23.31	23.08				
5	16QAM	1	12	23.32	23.21	23.14	24.5	1		
5	16QAM	1	24	23.14	23.33	23.44				
5	16QAM	12	0	22.22	22.17	22.14				
5	16QAM	12	7	22.31	22.23	22.24	23.5	2		
5	16QAM	12	13	22.34	22.34	22.23				
5	16QAM	25	0	22.24	22.18	22.25				
5	64QAM	1	0	22.30	22.14	22.05	23.5	2		
5	64QAM	1	12	22.32	22.24	22.24				
5	64QAM	1	24	22.41	22.33	22.09				
5	64QAM	12	0	21.23	21.16	21.21				
5	64QAM	12	7	21.22	21.24	21.17	22.5	3		
5	64QAM	12	13	21.16	21.28	21.21				
5	64QAM	25	0	21.29	21.05	21.15				
Channel										
Frequency (MHz)										
				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)		
				1712.5	1732.5	1753.5				
3	QPSK	1	0	24.14	24.17	24.14	25.5	0		
3	QPSK	1	8	24.22	24.11	24.06				
3	QPSK	1	14	24.13	24.13	24.00				
3	QPSK	8	0	23.25	23.20	23.23				
3	QPSK	8	4	23.38	23.30	23.20	24.5	1		
3	QPSK	8	7	23.22	23.22	23.14				
3	QPSK	15	0	23.28	23.14	23.18				
3	16QAM	1	0	23.17	23.26	23.39				
3	16QAM	1	8	23.03	23.14	23.13	24.5	1		
3	16QAM	1	14	23.24	23.06	23.23				
3	16QAM	8	0	22.34	22.12	22.31				
3	16QAM	8	22	22.22	22.22	22.39	23.5	2		
3	16QAM	8	7	22.07	22.26	22.12				
3	16QAM	15	0	22.27	22.38	22.14				
3	64QAM	1	0	22.23	22.17	22.11				
3	64QAM	1	8	22.22	22.16	22.02	23.5	2		
3	64QAM	1	14	22.05	22.37	22.15				
3	64QAM	8	0	21.33	21.25	21.11				
3	64QAM	8	4	21.26	21.37	21.23	22.5	3		
3	64QAM	8	7	21.39	21.35	21.23				
3	64QAM	15	0	21.40	21.15	21.28				
Channel										
Frequency (MHz)										
				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)		
				1710	1722.5	1724.5				
1.4	QPSK	1	0	24.07	24.09	24.02	25.5	0		
1.4	QPSK	1	3	24.15	24.10	24.11				
1.4	QPSK	1	5	24.07	24.09	23.92				
1.4	QPSK	3	0	24.07	24.05	24.13	24.5	1		
1.4	QPSK	3	1	24.02	24.23	24.05				
1.4	QPSK	3	3	24.10	24.14	24.00				
1.4	QPSK	3	6	23.16	23.32	23.27	24.5	1		
1.4	16QAM	1	0	23.24	23.11	23.29				
1.4	16QAM	1	3	23.27	23.34	23.16				
1.4	16QAM	1	5	23.24	23.05	23.23	24.5	1		
1.4	16QAM	3	0	23.21	23.21	23.12				
1.4	16QAM	3	1	23.26	23.28	23.26				
1.4	16QAM	3	3	23.23	23.23	23.25				
1.4	16QAM	6	0	22.21	22.20	22.03	23.5	2		
1.4	64QAM	1	0	22.20	22.17	22.10				
1.4	64QAM	1	3	22.06	22.28	22.30				
1.4	64QAM	1	5	22.19	22.35	22.12	23.5	2		
1.4	64QAM	3	0	22.21	22.10	22.14				
1.4	64QAM	3	22	22.22	22.22	22.22				
1.4	64QAM	3	3	22.17	22.03	22.17				
1.4	64QAM	6	0	21.09	21.20	21.11	22.5	3		

Band 5 Ant0 DSI1									
Bandwidth (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MPR (dB)	
Channel				20450	20625	20800			
Frequency (MHz)				825	836.5	848			
10	QPSK	1	0	24.25	24.35	24.05			
10	QPSK	1	25	24.23	24.13	24.16	25.5	0	
10	QPSK	1	49	24.29	24.11	24.17			
10	QPSK	25	0	23.35	23.45	23.35			
10	QPSK	25	12	23.28	23.39	23.39	24.5	1	
10	QPSK	25	25	23.32	23.23	23.36			
10	QPSK	50	0	23.40	23.42	23.33			
10	16QAM	1	0	23.15	23.35	23.32			
10	16QAM	1	25	23.27	23.17	23.32	24.5	1	
10	16QAM	1	49	23.35	23.26	23.31			
10	16QAM	25	0	22.34	22.31	22.38			
10	16QAM	25	12	22.52	22.43	22.39	23.5	2	
10	16QAM	25	25	22.33	22.40	22.31			
10	16QAM	50	0	22.37	22.43	22.18			
10	64QAM	1	0	22.30	22.25	22.38			
10	64QAM	1	25	22.34	22.14	22.44	23.5	2	
10	64QAM	1	49	22.26	22.22	22.39			
10	64QAM	25	0	21.37	21.39	21.30			
10	64QAM	25	12	21.27	21.32	21.42	22.5	3	
10	64QAM	25	25	21.42	21.42	21.12			
10	64QAM	50	0	21.45	21.41	21.26			
Channel				20425	20625	20625			
Frequency (MHz)				828.5	836.5	846.5			
5	QPSK	1	0	24.29	24.25	24.01			
5	QPSK	1	12	24.04	24.24	24.21	25.5	0	
5	QPSK	1	24	24.34	24.09	24.20			
5	QPSK	12	0	23.33	23.36	23.22			
5	QPSK	12	7	23.34	23.31	23.27	24.5	1	
5	QPSK	12	13	23.39	23.33	23.21			
5	QPSK	25	0	23.36	23.30	23.17			
5	16QAM	1	0	23.19	23.19	23.24	24.5	1	
5	16QAM	1	12	23.22	23.22	23.18			
5	16QAM	1	24	23.40	23.10	23.18			
5	16QAM	12	0	22.44	22.31	22.23			
5	16QAM	12	7	22.32	22.24	22.32	23.5	2	
5	16QAM	12	13	22.34	22.35	22.34			
5	16QAM	25	0	22.32	22.22	22.08			
5	64QAM	1	0	22.27	22.14	22.27	23.5	2	
5	64QAM	1	12	22.18	22.05	22.37			
5	64QAM	1	24	22.22	22.23	22.24			
5	64QAM	12	0	21.31	21.29	21.20			
5	64QAM	12	7	21.24	21.16	21.27	22.5	3	
5	64QAM	12	13	21.25	21.12	21.12			
5	64QAM	25	0	21.23	21.20	21.27			
Channel				20415	20625	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	24.28	24.27	24.22			
3	QPSK	1	8	24.28	24.11	24.08	25.5	0	
3	QPSK	1	14	24.31	24.28	24.24			
3	QPSK	8	0	23.37	23.29	23.25			
3	QPSK	8	4	23.36	23.25	23.30	24.5	1	
3	QPSK	8	7	23.32	23.27	23.28			
3	QPSK	15	0	23.30	23.27	23.25			
3	16QAM	1	0	23.10	23.19	23.22			
3	16QAM	1	8	23.32	23.15	23.27	24.5	1	
3	16QAM	1	14	23.30	23.23	23.34			
3	16QAM	8	0	22.38	22.23	22.37			
3	16QAM	8	4	22.46	22.39	22.38	23.5	2	
3	16QAM	8	7	22.43	22.38	22.40			
3	16QAM	15	0	22.43	22.12	22.15			
3	64QAM	1	0	22.27	22.22	22.30			
3	64QAM	1	8	22.28	22.22	22.31	23.5	2	
3	64QAM	1	14	22.31	22.21	22.27			
3	64QAM	8	0	21.33	21.18	21.20			
3	64QAM	8	4	21.45	21.34	21.40	22.5	3	
3	64QAM	8	7	21.47	21.29	21.26			
3	64QAM	15	0	21.41	21.37	21.22			
Channel				20407	20625	20635			
Frequency (MHz)				825.5	836.5	846.5			
1.4	QPSK	1	0	24.27	24.28	24.11			
1.4	QPSK	1	3	24.24	24.22	24.26	25.5	0	
1.4	QPSK	1	5	24.32	24.20	24.00			
1.4	QPSK	3	0	24.22	24.20	24.20			
1.4	QPSK	3	1	24.26	24.24	24.12			
1.4	QPSK	3	3	24.21	24.27	24.11	24.5	1	
1.4	QPSK	6	0	23.28	23.28	23.26			
1.4	16QAM	1	0	23.26	23.29	23.38			
1.4	16QAM	1	3	23.18	23.10	23.40			
1.4	16QAM	1	5	23.36	23.24	23.25	24.5	1	
1.4	16QAM	3	0	23.37	23.23	23.24			
1.4	16QAM	3	1	23.30	23.36	23.22			
1.4	16QAM	3	3	23.30	23.33	23.13			
1.4	16QAM	6	0	22.38	22.29	22.33	23.5	2	
1.4	64QAM	1	0	22.32	22.25	22.46			
1.4	64QAM	1	3	22.46	22.22	22.52			
1.4	64QAM	1	5	22.26	22.28	22.45	23.5	2	
1.4	64QAM	3	0	22.33	22.33	22.27			
1.4	64QAM	3	1	22.50	22.49	22.10			
1.4	64QAM	3	3	22.29	22.27	22.02			
1.4	64QAM	6	0	21.05	21.26	21.38	22.5	3	

Band 7 Ant0 DS11											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20850	21100	21350					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	24.18	24.30	24.34	25.5	0			
20	QPSK	1	49	24.21	24.30	24.17					
20	QPSK	1	99	24.26	24.32	24.35					
20	QPSK	50	0	23.19	23.56	23.27	24.5	1			
20	QPSK	50	24	23.40	23.45	23.44					
20	QPSK	50	50	23.52	23.48	23.44					
20	QPSK	100	0	23.35	23.45	23.33	24.5	1			
20	16QAM	1	0	23.22	23.39	23.41					
20	16QAM	1	49	23.28	23.33	23.20					
20	16QAM	1	99	23.36	23.33	23.18	23.5	2			
20	16QAM	50	0	22.41	22.26	22.25					
20	16QAM	50	24	22.46	22.38	22.37					
20	16QAM	50	50	22.43	22.49	22.48	23.5	2			
20	16QAM	100	0	22.39	22.36	22.41					
20	64QAM	1	0	22.24	22.37	22.34					
20	64QAM	1	49	22.55	22.42	22.40	23.5	2			
20	64QAM	1	99	22.57	22.27	22.31					
20	64QAM	50	0	21.34	21.29	21.31					
20	64QAM	50	24	21.49	21.36	21.40	22.5	3			
20	64QAM	50	50	21.51	21.47	21.41					
20	64QAM	100	0	21.40	21.39	21.38					
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	24.11	24.21	24.05	25.5	0			
15	QPSK	1	37	23.99	24.27	24.22					
15	QPSK	1	74	24.25	24.33	24.22					
15	QPSK	36	0	23.21	23.31	23.32	24.5	1			
15	QPSK	36	20	23.35	23.34	23.22					
15	QPSK	36	39	23.40	23.29	23.34					
15	QPSK	75	0	23.34	23.36	23.34	24.5	1			
15	16QAM	1	0	23.20	23.24	23.36					
15	16QAM	1	37	23.19	23.28	23.08					
15	16QAM	1	74	23.50	23.23	23.01	23.5	2			
15	16QAM	36	0	22.29	22.23	22.29					
15	16QAM	36	20	22.40	22.36	22.33					
15	16QAM	36	39	22.50	22.36	22.35	23.5	2			
15	16QAM	75	0	22.28	22.30	22.36					
15	64QAM	1	0	22.16	22.26	22.13					
15	64QAM	1	37	22.39	22.24	22.19	23.5	2			
15	64QAM	1	74	22.31	22.05	22.09					
15	64QAM	36	0	21.24	21.26	21.28					
15	64QAM	36	20	21.32	21.39	21.26	22.5	3			
15	64QAM	36	39	21.40	21.31	21.33					
15	64QAM	75	0	21.39	21.35	21.27					
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	24.29	24.10	24.11	25.5	0			
10	QPSK	1	25	24.05	24.25	24.36					
10	QPSK	1	49	24.11	24.25	24.26					
10	QPSK	25	0	23.28	23.09	23.19	24.5	1			
10	QPSK	25	12	23.05	23.18	23.15					
10	QPSK	25	25	23.04	23.16	23.08					
10	QPSK	50	0	23.23	23.06	23.00	24.5	1			
10	16QAM	1	0	23.05	23.17	23.02					
10	16QAM	1	25	23.19	23.02	23.08					
10	16QAM	1	49	23.16	23.17	23.05	23.5	2			
10	16QAM	25	0	22.05	22.16	22.08					
10	16QAM	25	12	22.23	22.20	22.25					
10	16QAM	25	25	22.31	22.13	22.34	23.5	2			
10	16QAM	50	0	22.36	22.31	22.42					
10	64QAM	1	0	22.11	22.18	22.24					
10	64QAM	1	25	22.17	22.30	22.10	23.5	2			
10	64QAM	1	49	22.14	22.29	22.06					
10	64QAM	25	0	21.05	21.08	21.19					
10	64QAM	25	12	21.36	21.02	21.18	22.5	3			
10	64QAM	25	25	21.23	21.06	21.16					
10	64QAM	50	0	21.08	21.38	21.08					
Channel				20800	21100	21425	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	24.32	24.27	24.25	25.5	0			
5	QPSK	1	12	24.13	24.57	24.23					
5	QPSK	1	24	24.35	24.32	24.36					
5	QPSK	12	0	23.28	23.31	23.24	24.5	1			
5	QPSK	12	7	23.32	23.31	23.23					
5	QPSK	12	13	23.45	23.41	23.45					
5	QPSK	25	0	23.33	23.34	23.38	24.5	1			
5	16QAM	1	0	23.20	23.37	23.25					
5	16QAM	1	12	23.15	23.28	23.23					
5	16QAM	1	24	23.28	23.05	23.17	23.5	2			
5	16QAM	12	0	22.29	22.29	22.13					
5	16QAM	12	7	22.33	22.31	22.45					
5	16QAM	12	13	22.40	22.44	22.48	23.5	2			
5	16QAM	25	0	22.44	22.38	22.37					
5	64QAM	1	0	22.00	22.18	22.06					
5	64QAM	1	12	22.29	22.24	22.12	23.5	2			
5	64QAM	1	24	22.46	22.15	22.05					
5	64QAM	12	0	21.18	21.26	21.25					
5	64QAM	12	7	21.31	21.45	21.26	22.5	3			
5	64QAM	12	13	21.40	21.46	21.40					
5	64QAM	25	0	21.39	21.31	21.33					

Band 12 Ant0 DS11											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				23060	23095	23130					
Frequency (MHz)				704	707.5	711					
10	QPSK	1	0	24.57	24.69	24.64			25.5	0	
10	QPSK	1	25	24.61	24.64	24.51					
10	QPSK	1	49	24.67	24.65	24.61					
10	QPSK	25	0	23.69	23.89	23.68			24.5	1	
10	QPSK	25	12	23.74	23.71	23.80					
10	QPSK	25	25	23.53	23.86	23.81					
10	QPSK	50	0	23.83	23.86	23.80			24.5	1	
10	16QAM	1	0	23.75	23.73	23.73					
10	16QAM	1	25	23.85	23.79	23.61					
10	16QAM	1	49	23.77	23.73	23.72			23.5	2	
10	16QAM	25	0	22.82	22.72	22.69					
10	16QAM	25	12	22.89	22.69	22.71					
10	16QAM	25	25	22.90	22.85	22.92			23.5	2	
10	16QAM	50	0	22.92	22.86	22.74					
10	64QAM	1	0	22.87	22.60	22.66					
10	64QAM	1	25	22.61	22.57	22.77			23.5	2	
10	64QAM	1	49	22.64	22.70	22.92					
10	64QAM	25	0	21.85	21.68	21.75					
10	64QAM	25	12	21.87	21.75	21.68			22.5	3	
10	64QAM	25	25	21.88	21.62	21.77					
10	64QAM	50	0	21.90	21.80	21.63					
Channel				23035	23095	23165					
Frequency (MHz)				701.5	707.5	713.5					
5	QPSK	1	0	24.67	24.62	24.64			25.5	0	
5	QPSK	1	24	24.68	24.38	24.44					
5	QPSK	1	24	24.61	24.32	24.60					
5	QPSK	12	0	23.60	23.61	23.64			24.5	1	
5	QPSK	12	13	23.64	23.60	23.66					
5	QPSK	25	0	23.77	23.63	23.59					
5	16QAM	1	0	22.73	22.66	23.62			23.5	2	
5	16QAM	1	12	22.48	23.75	23.71					
5	16QAM	1	24	23.61	23.68	23.54					
5	16QAM	12	0	22.84	22.64	22.62			23.5	2	
5	16QAM	12	7	22.89	22.69	22.80					
5	16QAM	12	13	22.61	22.64	22.65					
5	16QAM	25	0	22.73	22.62	22.68			23.5	2	
5	16QAM	1	0	22.73	22.64	22.95					
5	64QAM	1	12	22.76	22.94	22.88					
5	64QAM	1	24	22.70	22.76	22.75			22.5	3	
5	64QAM	12	0	21.79	21.71	21.64					
5	64QAM	12	7	21.81	21.67	21.74					
5	64QAM	12	13	21.76	21.67	21.82			23.5	2	
5	64QAM	25	0	21.60	21.64	21.73					
Channel				23025	23095	23165					
Frequency (MHz)				700.5	707.5	714.5					
3	QPSK	1	0	24.57	24.66	24.46			25.5	0	
3	QPSK	1	8	24.44	24.65	24.63					
3	QPSK	1	14	24.56	24.63	24.61					
3	QPSK	8	0	23.80	23.68	23.76			24.5	1	
3	QPSK	8	4	23.76	23.81	23.75					
3	QPSK	8	7	23.66	23.83	23.71					
3	QPSK	15	0	23.74	23.77	23.71			24.5	1	
3	16QAM	1	0	23.53	23.67	23.54					
3	16QAM	1	8	23.79	23.63	23.66					
3	16QAM	1	14	23.76	23.64	23.68			23.5	2	
3	16QAM	8	0	22.93	22.86	22.76					
3	16QAM	8	4	22.88	22.85	22.96					
3	16QAM	15	0	22.79	22.72	22.71			22.5	3	
3	64QAM	1	0	22.29	22.98	22.93					
3	64QAM	1	8	22.85	22.79	22.82					
3	64QAM	1	14	23.02	23.12	23.00			23.5	2	
3	64QAM	8	0	21.92	21.68	21.77					
3	64QAM	8	7	21.83	21.68	21.76					
3	64QAM	8	7	22.01	21.73	21.87			22.5	3	
3	64QAM	15	0	21.75	21.60	21.71					
Channel				23017	23095	23171					
Frequency (MHz)				697.7	707.5	717.3					
1.4	QPSK	1	0	24.51	24.61	24.39			25.5	0	
1.4	QPSK	1	3	24.47	24.65	24.51					
1.4	QPSK	1	5	24.33	24.40	24.33					
1.4	QPSK	3	1	24.52	24.51	24.42			24.5	1	
1.4	QPSK	3	3	24.46	24.36	24.41					
1.4	QPSK	3	6	23.49	23.17	23.44					
1.4	16QAM	1	0	23.65	23.62	23.81			24.5	1	
1.4	16QAM	1	3	23.54	23.71	23.62					
1.4	16QAM	1	5	23.56	23.84	23.68					
1.4	16QAM	3	0	23.52	23.64	23.50			23.5	2	
1.4	16QAM	3	1	23.45	23.71	23.56					
1.4	16QAM	3	3	23.50	23.40	23.40					
1.4	64QAM	1	0	22.48	22.51	22.42			23.5	2	
1.4	64QAM	1	0	22.92	22.75	22.86					
1.4	64QAM	1	3	22.93	22.67	22.95					
1.4	64QAM	1	5	22.68	22.73	22.64			23.5	2	
1.4	64QAM	3	0	22.83	22.75	22.83					
1.4	64QAM	3	1	22.88	22.56	22.71					
1.4	64QAM	3	3	22.52	22.70	22.64			22.5	3	
1.4	64QAM	6	0	21.48	21.58	21.51					

Band 26 Ant0 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				831.5	831.5	841.5			
15	QPSK	1	0	24.34	24.44	24.31	25.5	0	
15	QPSK	1	37	24.39	24.37	24.29			
15	QPSK	1	74	24.37	24.33	24.18			
15	QPSK	36	0	23.44	23.50	23.37	24.5	1	
15	QPSK	36	20	23.42	23.46	23.44			
15	QPSK	36	39	23.48	23.46	23.38			
15	QPSK	75	0	23.42	23.52	23.31	24.5	1	
15	16QAM	1	0	23.77	23.67	23.64			
15	16QAM	1	37	23.70	23.66	23.58			
15	16QAM	1	74	23.75	23.66	23.48	23.5	2	
15	16QAM	36	0	22.45	22.43	22.39			
15	16QAM	36	20	22.50	22.46	22.41			
15	16QAM	36	39	22.46	22.47	22.39	23.5	2	
15	16QAM	75	0	22.52	22.41	22.38			
15	64QAM	1	0	22.80	22.65	22.50			
15	64QAM	1	37	22.65	22.60	22.50	23.5	2	
15	64QAM	1	74	22.56	22.54	22.37			
15	64QAM	36	0	21.48	21.44	21.37			
15	64QAM	36	20	21.51	21.47	21.40	22.5	3	
15	64QAM	36	39	21.50	21.47	21.38			
15	64QAM	75	0	21.52	21.42	21.34			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.35	24.33	24.20	25.5	0	
10	QPSK	1	25	24.33	24.25	24.17			
10	QPSK	1	49	24.27	24.20	24.12			
10	QPSK	25	0	23.45	23.37	23.31	24.5	1	
10	QPSK	25	12	23.45	23.36	23.32			
10	QPSK	25	25	23.42	23.40	23.33			
10	QPSK	50	0	23.46	23.34	23.30	24.5	1	
10	16QAM	1	0	23.80	23.66	23.61			
10	16QAM	1	25	23.82	23.63	23.53			
10	16QAM	1	49	23.63	23.61	23.49	23.5	2	
10	16QAM	25	0	22.50	22.39	22.31			
10	16QAM	25	12	22.47	22.40	22.35			
10	16QAM	25	25	22.42	22.43	22.35	23.5	2	
10	16QAM	50	0	22.47	22.37	22.28			
10	64QAM	1	0	22.57	22.60	22.46			
10	64QAM	1	25	22.56	22.46	22.38	22.5	3	
10	64QAM	1	49	22.50	22.50	22.39			
10	64QAM	25	0	21.49	21.39	21.31			
10	64QAM	25	12	21.47	21.35	21.29	22.5	3	
10	64QAM	25	25	21.40	21.41	21.31			
10	64QAM	50	0	21.44	21.36	21.31			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.33	24.37	24.22	25.5	0	
5	QPSK	1	12	24.40	24.32	24.20			
5	QPSK	1	24	24.32	24.27	24.09			
5	QPSK	12	0	23.46	23.34	23.29	24.5	1	
5	QPSK	12	7	23.48	23.42	23.28			
5	QPSK	12	13	23.43	23.36	23.24			
5	QPSK	25	0	23.46	23.33	23.26	24.5	1	
5	16QAM	1	0	23.60	23.58	23.52			
5	16QAM	1	12	23.64	23.67	23.54			
5	16QAM	1	24	23.66	23.58	23.50	23.5	2	
5	16QAM	12	0	22.50	22.37	22.31			
5	16QAM	12	7	22.51	22.43	22.30			
5	16QAM	12	13	22.47	22.41	22.27	23.5	2	
5	16QAM	25	0	22.49	22.34	22.28			
5	64QAM	1	0	22.58	22.51	22.45			
5	64QAM	1	12	22.56	22.42	22.39	23.5	2	
5	64QAM	1	24	22.54	22.49	22.36			
5	64QAM	12	0	21.53	21.36	21.33			
5	64QAM	12	7	21.48	21.43	21.29	22.5	3	
5	64QAM	12	13	21.45	21.41	21.29			
5	64QAM	25	0	21.39	21.30	21.27			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.29	24.34	24.14	25.5	0	
3	QPSK	1	8	24.33	24.31	24.20			
3	QPSK	1	14	24.37	24.27	23.89			
3	QPSK	8	0	23.40	23.29	23.27	24.5	1	
3	QPSK	8	4	23.42	23.45	23.31			
3	QPSK	8	7	23.45	23.37	23.24			
3	QPSK	15	0	23.44	23.40	23.26	24.5	1	
3	16QAM	1	0	23.53	23.60	23.52			
3	16QAM	1	8	23.61	23.67	23.54			
3	16QAM	1	14	23.70	23.61	23.55	23.5	2	
3	16QAM	8	0	22.50	22.37	22.33			
3	16QAM	8	4	22.55	22.51	22.35			
3	16QAM	8	7	22.49	22.42	22.28	23.5	2	
3	16QAM	15	0	22.50	22.43	22.30			
3	64QAM	1	0	22.56	22.48	22.39			
3	64QAM	1	8	22.62	22.55	22.44	23.5	2	
3	64QAM	1	14	22.65	22.57	22.41			
3	64QAM	8	0	21.51	21.36	21.31			
3	64QAM	8	4	21.50	21.44	21.31	22.5	3	
3	64QAM	8	7	21.50	21.44	21.36			
3	64QAM	15	0	21.48	21.38	21.25			
Channel				26897	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.15	24.30	24.04	25.5	0	
1.4	QPSK	1	3	24.33	24.28	24.16			
1.4	QPSK	1	5	24.33	24.20	24.03			
1.4	QPSK	3	0	24.27	24.22	24.07	24.5	1	
1.4	QPSK	3	1	24.31	24.29	24.15			
1.4	QPSK	3	3	24.30	24.22	24.07			
1.4	QPSK	6	0	23.37	23.34	23.19	24.5	1	
1.4	16QAM	1	0	23.49	23.52	23.41			
1.4	16QAM	1	3	23.61	23.64	23.48			
1.4	16QAM	1	5	23.59	23.56	23.40	23.5	2	
1.4	16QAM	3	0	23.35	23.33	23.18			
1.4	16QAM	3	1	23.40	23.38	23.26			
1.4	16QAM	3	3	23.40	23.29	23.14	23.5	2	
1.4	16QAM	6	0	22.50	22.41	22.25			
1.4	64QAM	1	0	22.47	22.40	22.30			
1.4	64QAM	1	3	22.56	22.45	22.38	23.5	2	
1.4	64QAM	1	5	22.49	22.39	22.33			
1.4	64QAM	3	0	22.40	22.30	22.24			
1.4	64QAM	3	1	22.43	22.48	22.26	22.5	3	
1.4	64QAM	3	3	22.41	22.31	22.21			
1.4	64QAM	6	0	21.40	21.37	21.19			

Band 38 Ant0 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.52	24.64	24.51			
20	QPSK	1	49	24.53	24.60	24.56	24.5	1	
20	QPSK	1	99	24.54	24.57	24.53			
20	QPSK	50	0	23.52	23.75	23.65			
20	QPSK	50	24	23.70	23.66	23.65	24.5	1	
20	QPSK	50	50	23.69	23.68	23.66			
20	QPSK	100	0	23.56	23.67	23.65			
20	16QAM	1	0	23.61	23.66	23.66	24.5	1	
20	16QAM	1	49	23.71	23.68	23.70			
20	16QAM	1	99	23.73	23.71	23.68			
20	16QAM	50	0	22.62	22.70	22.61	23.5	2	
20	16QAM	50	24	22.71	22.72	22.82			
20	16QAM	50	50	22.72	22.73	22.73			
20	16QAM	100	0	22.70	22.60	22.72	23.5	2	
20	64QAM	1	0	22.67	22.61	22.53			
20	64QAM	1	49	22.63	22.63	22.55			
20	64QAM	1	99	22.56	22.58	22.54	22.5	3	
20	64QAM	50	0	21.53	21.63	21.53			
20	64QAM	50	24	21.63	21.65	21.75			
20	64QAM	50	50	21.54	21.67	21.67	22.5	3	
20	64QAM	100	0	21.63	21.75	21.75			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	24.58	24.55	24.54			
15	QPSK	1	37	24.51	24.62	24.47	24.5	1	
15	QPSK	1	74	24.57	24.60	24.54			
15	QPSK	36	0	23.59	23.66	23.70	24.5	1	
15	QPSK	36	20	23.71	23.66	23.64			
15	QPSK	36	39	23.58	23.68	23.64	24.5	1	
15	QPSK	75	0	23.63	23.67	23.66			
15	16QAM	1	0	23.72	23.69	23.78	24.5	1	
15	16QAM	1	37	23.64	23.77	23.80			
15	16QAM	1	74	23.70	23.74	23.68	23.5	2	
15	16QAM	36	0	22.60	22.59	22.62			
15	16QAM	36	20	22.61	22.66	22.66	23.5	2	
15	16QAM	36	39	22.69	22.69	22.64			
15	16QAM	75	0	22.69	22.64	22.66	23.5	2	
15	64QAM	1	0	22.70	22.62	22.55			
15	64QAM	1	37	22.60	22.65	22.48	22.5	3	
15	64QAM	1	74	22.57	22.64	22.53			
15	64QAM	36	0	21.54	21.62	21.65	22.5	3	
15	64QAM	36	20	21.64	21.69	21.70			
15	64QAM	36	39	21.74	21.74	21.69	22.5	3	
15	64QAM	75	0	21.68	21.65	21.66			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	24.56	24.57	24.42			
10	QPSK	1	25	24.40	24.46	24.44	24.5	1	
10	QPSK	1	49	24.50	24.60	24.49			
10	QPSK	25	0	23.63	23.65	23.58	24.5	1	
10	QPSK	25	12	23.64	23.50	23.56			
10	QPSK	25	25	23.47	23.56	23.52	24.5	1	
10	QPSK	50	0	23.61	23.56	23.62			
10	16QAM	1	0	23.56	23.54	23.69	24.5	1	
10	16QAM	1	25	23.56	23.53	23.60			
10	16QAM	1	49	23.54	23.64	23.62	23.5	2	
10	16QAM	25	0	22.59	22.62	22.57			
10	16QAM	25	12	22.63	22.68	22.64	23.5	2	
10	16QAM	25	25	22.65	22.72	22.70			
10	16QAM	50	0	22.68	22.62	22.58	23.5	2	
10	64QAM	1	0	22.44	22.51	22.55			
10	64QAM	1	25	22.25	22.49	22.37	22.5	3	
10	64QAM	1	49	22.43	22.51	22.39			
10	64QAM	25	0	21.57	21.57	21.50	22.5	3	
10	64QAM	25	12	21.60	21.51	21.57			
10	64QAM	25	25	21.49	21.68	21.56	22.5	3	
10	64QAM	50	0	21.52	21.48	21.52			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	24.40	24.58	24.52			
5	QPSK	1	12	24.48	24.61	24.52	24.5	1	
5	QPSK	1	24	24.60	24.38	24.44			
5	QPSK	12	0	23.67	23.63	23.69	24.5	1	
5	QPSK	12	7	23.64	23.62	23.64			
5	QPSK	12	13	23.64	23.65	23.62	24.5	1	
5	QPSK	25	0	23.63	23.61	23.65			
5	16QAM	1	0	23.54	23.49	23.66	24.5	1	
5	16QAM	1	12	23.86	23.67	23.52			
5	16QAM	1	24	23.63	23.68	23.56	23.5	2	
5	16QAM	12	0	22.68	22.55	22.50			
5	16QAM	12	7	22.56	22.54	22.55	23.5	2	
5	16QAM	12	13	22.55	22.75	22.62			
5	16QAM	25	0	22.63	22.71	22.72	23.5	2	
5	64QAM	1	0	22.90	22.72	22.64			
5	64QAM	1	12	22.75	22.80	22.73	22.5	3	
5	64QAM	1	24	22.78	22.61	22.67			
5	64QAM	12	0	21.59	21.65	21.70	22.5	3	
5	64QAM	12	7	21.67	21.65	21.76			
5	64QAM	12	13	21.57	21.74	21.62	22.5	3	
5	64QAM	25	0	21.56	21.47	21.66			

Band 41 Ant0 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	25.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.53	24.61	24.68	24.55	24.59	24.5	1
20	QPSK	1	49	24.58	24.57	24.62	24.63	24.60		
20	QPSK	1	99	24.48	24.53	24.63	24.49	24.57		
20	QPSK	50	0	23.68	23.68	23.81	23.74	23.72		
20	QPSK	50	24	23.71	23.72	23.65	23.62	23.69	24.5	1
20	QPSK	50	50	23.68	23.77	23.76	23.65	23.72		
20	QPSK	100	0	23.71	23.80	23.85	23.69	23.56		
20	16QAM	1	0	23.70	23.69	23.85	23.80	23.85		
20	16QAM	1	49	23.65	23.66	23.77	23.69	23.61	24.5	1
20	16QAM	1	99	23.61	23.69	23.78	23.72	23.65		
20	16QAM	50	0	22.67	22.65	22.77	22.72	22.70		
20	16QAM	50	24	22.79	22.78	22.70	22.68	22.78		
20	16QAM	50	50	22.76	22.85	22.81	22.81	22.72	23.5	2
20	16QAM	100	0	22.71	22.78	22.80	22.75	22.56		
20	64QAM	1	0	22.56	22.58	22.73	22.67	22.71		
20	64QAM	1	49	22.50	22.62	22.53	22.53	22.54		
20	64QAM	1	99	22.49	22.67	22.64	22.68	22.51	23.5	2
20	64QAM	50	0	21.50	21.59	21.74	21.64	21.54		
20	64QAM	50	24	21.72	21.73	21.65	21.62	21.62		
20	64QAM	50	50	21.70	21.79	21.76	21.63	21.67		
20	64QAM	100	0	21.83	21.81	21.85	21.68	21.70	22.5	3
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.37	24.55	24.55	24.47	24.43		
15	QPSK	1	37	24.42	24.44	24.49	24.50	24.39		
15	QPSK	1	74	24.38	24.58	24.62	24.42	24.43		
15	QPSK	36	0	23.59	23.52	23.59	23.56	23.58		
15	QPSK	36	20	23.56	23.65	23.69	23.48	23.54	24.5	1
15	QPSK	36	39	23.58	23.70	23.70	23.61	23.46		
15	QPSK	75	0	23.67	23.67	23.69	23.59	23.52		
15	16QAM	1	0	23.61	23.70	23.78	23.70	23.56		
15	16QAM	1	37	23.58	23.59	23.60	23.54	23.56	24.5	1
15	16QAM	1	74	23.54	23.84	23.68	23.65	23.51		
15	16QAM	36	0	22.43	22.56	22.61	22.57	22.44		
15	16QAM	36	20	22.59	22.67	22.69	22.59	22.68		
15	16QAM	36	39	22.61	22.62	22.63	22.61	22.49	23.5	2
15	16QAM	75	0	22.66	22.74	22.66	22.54	22.59		
15	64QAM	1	0	22.51	22.66	22.68	22.49	22.64		
15	64QAM	1	37	22.45	22.58	22.50	22.42	22.42		
15	64QAM	1	74	22.50	22.53	22.54	22.43	22.44	23.5	2
15	64QAM	36	0	21.57	21.59	21.63	21.60	21.54		
15	64QAM	36	20	21.64	21.71	21.73	21.54	21.61		
15	64QAM	36	39	21.64	21.66	21.67	21.66	21.52		
15	64QAM	75	0	21.67	21.64	21.67	21.55	21.49	22.5	3
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.41	24.53	24.55	24.41	24.53		
10	QPSK	1	25	24.36	24.51	24.50	24.35	24.57		
10	QPSK	1	49	24.49	24.58	24.54	24.53	24.54		
10	QPSK	25	0	23.62	23.58	23.57	23.41	23.38		
10	QPSK	25	12	23.59	23.60	23.55	23.58	23.57	24.5	1
10	QPSK	25	25	23.62	23.56	23.59	23.61	23.52		
10	QPSK	50	0	23.56	23.64	23.69	23.61	23.45		
10	16QAM	1	0	23.52	23.64	23.73	23.57	23.63		
10	16QAM	1	25	23.34	23.61	23.38	23.51	23.40	24.5	1
10	16QAM	1	49	23.46	23.56	23.58	23.56	23.42		
10	16QAM	25	0	22.43	22.58	22.46	22.55	22.38		
10	16QAM	25	12	22.70	22.69	22.62	22.65	22.59		
10	16QAM	25	25	22.63	22.64	22.64	22.68	22.62	23.5	2
10	16QAM	50	0	22.76	22.73	22.57	22.59	22.55		
10	64QAM	1	0	22.50	22.44	22.42	22.45	22.66		
10	64QAM	1	25	22.39	22.33	22.54	22.29	22.36		
10	64QAM	1	49	22.49	22.45	22.46	22.45	22.38	23.5	2
10	64QAM	25	0	21.58	21.54	21.59	21.53	21.52		
10	64QAM	25	12	21.55	21.65	21.57	21.49	21.54		
10	64QAM	25	25	21.50	21.61	21.61	21.54	21.56		
10	64QAM	50	0	21.51	21.47	21.61	21.43	21.49	22.5	3
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.32	24.32	24.62	24.58	24.51		
5	QPSK	1	12	24.52	24.41	24.58	24.53	24.63		
5	QPSK	1	24	24.64	24.52	24.39	24.41	24.66		
5	QPSK	12	0	23.77	23.63	23.79	23.73	23.73		
5	QPSK	12	7	23.78	23.83	23.88	23.81	23.68	24.5	1
5	QPSK	12	13	23.63	23.77	23.80	23.73	23.64		
5	QPSK	25	0	23.76	23.75	23.79	23.71	23.75		
5	16QAM	1	0	23.67	23.67	23.76	23.61	23.65		
5	16QAM	1	12	23.99	23.71	23.74	24.01	23.71	24.5	1
5	16QAM	1	24	23.91	23.83	23.73	23.94	23.62		
5	16QAM	12	0	22.63	22.58	22.73	22.66	22.77		
5	16QAM	12	7	22.64	22.78	22.70	22.74	22.73		
5	16QAM	12	13	22.78	22.81	22.82	22.84	22.69	23.5	2
5	16QAM	25	0	22.79	22.84	22.88	22.80	22.68		
5	64QAM	1	0	22.57	22.52	22.77	22.70	22.82		
5	64QAM	1	12	22.69	22.69	22.73	22.74	22.68		
5	64QAM	1	24	22.68	22.84	22.86	22.68	22.65	23.5	2
5	64QAM	12	0	21.72	21.78	21.81	21.74	21.65		
5	64QAM	12	7	21.74	21.80	21.92	21.84	21.82		
5	64QAM	12	13	21.69	21.81	21.82	21.75	21.67		
5	64QAM	25	0	21.73	21.79	21.81	21.65	21.71	22.5	3

GSM850 Ant4 DS11								
GSM850	Burst Average Power (dBm)			Tuneup Limit (dBm)	Frame-Average Power (dBm)			Tuneup Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8		
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	32.14	32.27	32.11	33.50	23.14	23.27	23.11	24.50
GPRS 1 Tx slot	32.19	32.24	31.97	33.50	23.19	23.24	22.97	24.50
GPRS 2 Tx slots	29.66	29.59	29.46	30.50	23.66	23.59	23.46	24.50
GPRS 3 Tx slots	27.64	27.44	27.85	28.50	23.38	23.18	23.59	24.24
GPRS 4 Tx slots	26.48	26.50	26.45	27.50	23.48	23.54	23.45	24.50
EDGE 1 Tx slot	26.11	26.00	25.97	27.50	17.11	17.00	16.97	18.50
EDGE 2 Tx slots	23.36	23.54	23.16	24.50	17.36	17.54	17.16	18.50
EDGE 3 Tx slots	21.47	21.55	21.29	23.00	17.21	17.29	17.03	18.74
EDGE 4 Tx slots	20.09	20.40	20.13	21.50	17.09	17.40	17.13	18.50

GSM1900 Ant4 DS11								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8	1850.2	1880	1909.8		
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8		
GSM 1 Tx slot	24.76	24.65	24.78	26.50	15.76	15.65	15.78	17.50
GPRS 1 Tx slot	24.83	24.69	24.88	26.50	15.83	15.69	15.88	17.50
GPRS 2 Tx slots	24.53	24.43	24.35	26.00	15.53	15.43	15.35	20.00
GPRS 3 Tx slots	24.31	24.38	24.04	25.50	20.05	20.12	19.78	21.24
GPRS 4 Tx slots	22.87	23.10	22.81	24.50	19.87	20.10	19.81	21.50
EDGE 1 Tx slot	24.65	24.83	24.77	26.50	15.65	15.83	15.77	17.50
EDGE 2 Tx slots	22.13	22.28	22.03	24.00	16.13	16.28	16.03	18.00
EDGE 3 Tx slots	20.12	20.23	20.11	21.50	15.86	15.97	15.85	17.24
EDGE 4 Tx slots	19.47	19.75	19.52	20.50	16.47	16.75	16.52	17.50

		WCDMA II Ant4 DS11			WCDMA IV Ant4 DS11			WCDMA V Ant4 DS11					
	Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
	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	19.32	19.43	19.14	20.50	20.68	20.82	20.84	21.50	23.42	23.52	23.51	24.50
3GPP Rel 99	RMC 12.2Kbps	19.51	19.57	19.42	20.50	20.71	20.90	20.88	21.50	23.56	23.62	23.48	24.50
3GPP Rel 6	HSDPA Subtest-1	18.33	18.46	18.27	19.50	19.91	19.92	20.01	20.50	22.34	22.55	22.42	23.50
3GPP Rel 6	HSDPA Subtest-2	18.37	18.48	18.26	19.50	19.78	19.86	19.83	20.50	22.48	22.59	22.42	23.50
3GPP Rel 6	HSDPA Subtest-3	17.73	17.94	17.61	19.00	19.33	19.45	19.53	20.00	21.88	21.94	21.99	23.00
3GPP Rel 6	HSDPA Subtest-4	17.75	17.90	17.76	19.00	19.30	19.43	19.49	20.00	22.11	22.02	22.10	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.43	18.39	18.22	19.50	19.73	19.79	20.02	20.50	22.23	22.34	22.67	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	18.26	18.42	18.26	19.50	19.69	19.84	19.74	20.50	22.50	22.40	22.31	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	17.73	17.84	17.54	19.00	19.13	19.35	19.42	20.00	21.66	22.08	21.89	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	17.97	18.02	17.67	19.00	19.08	19.21	19.47	20.00	21.93	21.88	21.90	23.00
3GPP Rel 6	HSUPA Subtest-1	18.33	18.30	18.24	19.50	19.78	19.90	20.00	20.50	22.39	22.46	22.39	23.50
3GPP Rel 6	HSUPA Subtest-2	16.14	16.35	16.20	17.50	17.80	17.91	17.97	18.50	20.46	20.41	20.17	21.50
3GPP Rel 6	HSUPA Subtest-3	17.35	17.29	17.15	18.50	18.78	18.88	18.98	19.50	21.39	21.47	21.47	22.50
3GPP Rel 6	HSUPA Subtest-4	16.37	16.37	16.17	17.50	17.78	17.87	17.99	18.50	20.52	20.36	20.57	21.50
3GPP Rel 6	HSUPA Subtest-5	18.27	18.22	18.10	19.50	19.70	19.90	20.00	20.50	22.28	22.35	22.42	23.50

Band 2 Ant4 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.58	18.68	18.47			
20	QPSK	1	49	18.51	18.43	18.43	19.5	0	
20	QPSK	1	99	18.41	18.37	18.34			
20	QPSK	50	0	18.52	18.62	18.53			
20	QPSK	50	24	18.57	18.52	18.52	19.5	0	
20	QPSK	50	50	18.54	18.49	18.38			
20	QPSK	100	0	18.63	18.65	18.52			
20	16QAM	1	0	18.59	18.58	18.62			
20	16QAM	1	49	18.60	18.64	18.57	19.5	0	
20	16QAM	1	99	18.57	18.67	18.58			
20	16QAM	50	0	18.61	18.62	18.53			
20	16QAM	50	24	18.62	18.55	18.55	19.5	0	
20	16QAM	50	50	18.60	18.49	18.43			
20	16QAM	100	0	18.64	18.54	18.55			
20	64QAM	1	0	18.56	18.63	18.53			
20	64QAM	1	49	18.59	18.62	18.55	19.5	0	
20	64QAM	1	99	18.64	18.50	18.54			
20	64QAM	50	0	18.57	18.62	18.50			
20	64QAM	50	24	18.67	18.53	18.43	19.5	0	
20	64QAM	50	50	18.56	18.50	18.44			
20	64QAM	100	0	18.64	18.53	18.51			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.39	18.56	18.26			
15	QPSK	1	37	18.43	18.42	18.44	19.5	0	
15	QPSK	1	74	18.39	18.29	18.29			
15	QPSK	36	0	18.33	18.53	18.35			
15	QPSK	36	20	18.49	18.46	18.45	19.5	0	
15	QPSK	36	39	18.50	18.49	18.30			
15	QPSK	75	0	18.41	18.64	18.34			
15	16QAM	1	0	18.52	18.36	18.62			
15	16QAM	1	37	18.39	18.46	18.44	19.5	0	
15	16QAM	1	74	18.50	18.55	18.46			
15	16QAM	36	0	18.62	18.62	18.39			
15	16QAM	36	20	18.63	18.47	18.53	19.5	0	
15	16QAM	36	39	18.38	18.43	18.35			
15	16QAM	75	0	18.60	18.63	18.36			
15	64QAM	1	0	18.55	18.44	18.46			
15	64QAM	1	37	18.43	18.55	18.38	19.5	0	
15	64QAM	1	74	18.63	18.51	18.33			
15	64QAM	36	0	18.37	18.43	18.34			
15	64QAM	36	20	18.65	18.41	18.25	19.5	0	
15	64QAM	36	39	18.47	18.31	18.46			
15	64QAM	75	0	18.52	18.31	18.37			
Channel									
Frequency (MHz)									
10	QPSK	1	0	18.39	18.50	18.42			
10	QPSK	1	25	18.51	18.44	18.22	19.5	0	
10	QPSK	1	49	18.24	18.31	18.18			
10	QPSK	25	0	18.52	18.59	18.50			
10	QPSK	25	12	18.49	18.51	18.35	19.5	0	
10	QPSK	25	25	18.32	18.38	18.36			
10	QPSK	50	0	18.60	18.60	18.43			
10	16QAM	1	0	18.54	18.38	18.56			
10	16QAM	1	25	18.56	18.53	18.42	19.5	0	
10	16QAM	1	49	18.52	18.66	18.55			
10	16QAM	25	0	18.57	18.44	18.34			
10	16QAM	25	12	18.56	18.48	18.57	19.5	0	
10	16QAM	25	25	18.56	18.34	18.26			
10	16QAM	50	0	18.66	18.45	18.50			
10	64QAM	1	0	18.56	18.59	18.50			
10	64QAM	1	25	18.57	18.63	18.47	19.5	0	
10	64QAM	1	49	18.63	18.36	18.51			
10	64QAM	25	0	18.53	18.60	18.43			
10	64QAM	25	12	18.55	18.35	18.43	19.5	0	
10	64QAM	25	25	18.40	18.30	18.28			
10	64QAM	50	0	18.57	18.51	18.41			
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.36	18.61	18.46			
5	QPSK	1	12	18.45	18.31	18.33	19.5	0	
5	QPSK	1	24	18.29	18.23	18.28			
5	QPSK	12	0	18.35	18.48	18.37			
5	QPSK	12	7	18.54	18.49	18.30	19.5	0	
5	QPSK	12	13	18.44	18.44	18.21			
5	QPSK	25	0	18.59	18.61	18.40			
5	16QAM	1	0	18.43	18.51	18.51			
5	16QAM	1	12	18.40	18.59	18.51	19.5	0	
5	16QAM	1	24	18.38	18.51	18.52			
5	16QAM	12	0	18.58	18.47	18.45			
5	16QAM	12	7	18.54	18.55	18.45	19.5	0	
5	16QAM	12	13	18.54	18.28	18.36			
5	16QAM	26	0	18.61	18.38	18.41			
5	64QAM	1	0	18.47	18.60	18.49			
5	64QAM	1	12	18.42	18.56	18.48	19.5	0	
5	64QAM	1	24	18.58	18.31	18.52			
5	64QAM	12	0	18.37	18.52	18.39			
5	64QAM	12	7	18.52	18.49	18.33	19.5	0	
5	64QAM	12	13	18.52	18.34	18.32			
5	64QAM	25	0	18.65	18.42	18.36			
Channel									
Frequency (MHz)									
3	QPSK	1	0	18.48	18.54	18.31			
3	QPSK	1	8	18.52	18.32	18.38	19.5	0	
3	QPSK	1	14	18.36	18.36	18.19			
3	QPSK	8	0	18.39	18.42	18.54			
3	QPSK	8	4	18.54	18.35	18.35	19.5	0	
3	QPSK	8	7	18.54	18.44	18.40			
3	QPSK	15	0	18.63	18.53	18.44			
3	16QAM	1	0	18.51	18.46	18.56			
3	16QAM	1	8	18.60	18.61	18.49	19.5	0	
3	16QAM	1	14	18.41	18.51	18.39			
3	16QAM	8	0	18.63	18.46	18.54			
3	16QAM	8	4	18.60	18.38	18.47	19.5	0	
3	16QAM	8	7	18.50	18.49	18.44			
3	16QAM	15	0	18.61	18.38	18.51			
3	64QAM	1	0	18.54	18.62	18.44			
3	64QAM	1	8	18.39	18.60	18.38	19.5	0	
3	64QAM	1	14	18.52	18.30	18.39			
3	64QAM	8	0	18.41	18.41	18.47			
3	64QAM	8	4	18.61	18.33	18.34	19.5	0	
3	64QAM	8	7	18.39	18.37	18.23			
3	64QAM	15	0	18.45	18.40	18.43			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	18.37	18.59	18.31			
1.4	QPSK	1	3	18.52	18.35	18.35	19.5	0	
1.4	QPSK	1	5	18.41	18.37	18.31			
1.4	QPSK	3	0	18.40	18.49	18.39			
1.4	QPSK	3	1	18.42	18.46	18.53	19.5	0	
1.4	QPSK	3	3	18.33	18.32	18.34			
1.4	QPSK	6	0	18.65	18.55	18.52			
1.4	16QAM	1	0	18.42	18.42	18.62			
1.4	16QAM	1	3	18.55	18.62	18.39	19.5	0	
1.4	16QAM	1	5	18.54	18.61	18.47			
1.4	16QAM	3	0	18.59	18.60	18.44			
1.4	16QAM	3	1	18.51	18.40	18.40	19.5	0	
1.4	16QAM	3	3	18.40	18.42	18.25			
1.4	16QAM	6	0	18.62	18.51	18.33	19.5	0	
1.4	64QAM	1	0	18.51	18.44	18.32			
1.4	64QAM	1	3	18.41	18.56	18.38			
1.4	64QAM	1	5	18.44	18.52	18.40	19.5	0	
1.4	64QAM	3	0	18.44	18.46	18.38			
1.4	64QAM	3	1	18.55	18.44	18.44			
1.4	64QAM	3	3	18.48	18.43	18.42	19.5	0	
1.4	64QAM	6	0	18.55	18.53	18.31			

Band 4 Ant4 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.23	18.46	18.31			
20	QPSK	1	49	18.27	18.41	18.32	19.5	0	
20	QPSK	1	99	18.12	18.15	18.11			
20	QPSK	50	0	18.21	18.39	18.27			
20	QPSK	50	24	18.26	18.33	18.25	19.5	0	
20	QPSK	50	50	18.31	18.37	18.25			
20	QPSK	100	0	18.15	18.26	18.25			
20	16QAM	1	0	18.30	18.35	18.30			
20	16QAM	1	49	18.38	18.34	18.25	19.5	0	
20	16QAM	1	99	18.31	18.35	18.43			
20	16QAM	50	0	18.17	18.35	18.27			
20	16QAM	50	24	18.26	18.34	18.25	19.5	0	
20	16QAM	50	50	18.23	18.33	18.25			
20	16QAM	100	0	18.43	18.33	18.39			
20	64QAM	1	0	18.21	18.43	18.24			
20	64QAM	1	49	18.06	18.37	18.29	19.5	0	
20	64QAM	1	99	18.26	18.31	18.25			
20	64QAM	50	0	18.16	18.25	18.16			
20	64QAM	50	24	18.18	18.21	18.19	19.5	0	
20	64QAM	50	50	18.20	18.26	18.30			
20	64QAM	100	0	18.23	18.14	18.23			
Channel									
Frequency (MHz)									
15	QPSK	1	0	17.17	17.32	17.35	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	18.22	18.23	18.26			
15	QPSK	1	37	18.23	18.23	18.24	19.5	0	
15	QPSK	1	74	18.08	17.98	18.03			
15	QPSK	36	0	18.01	18.34	18.05			
15	QPSK	36	20	18.06	18.33	18.16	19.5	0	
15	QPSK	36	39	18.26	18.32	18.19			
15	QPSK	75	0	17.97	18.27	18.25			
15	16QAM	1	0	18.27	18.31	18.13			
15	16QAM	1	37	18.19	18.24	18.08	19.5	0	
15	16QAM	1	74	18.17	18.22	18.16			
15	16QAM	36	0	18.14	18.33	18.12			
15	16QAM	36	20	18.30	18.29	18.29	19.5	0	
15	16QAM	36	39	18.15	18.15	18.15			
15	16QAM	75	0	18.19	18.21	18.13			
15	64QAM	1	0	18.05	18.35	18.08			
15	64QAM	1	37	18.03	18.28	18.14	19.5	0	
15	64QAM	1	74	18.14	18.21	18.27			
15	64QAM	36	0	18.10	18.13	18.22			
15	64QAM	36	20	18.06	18.19	18.19	19.5	0	
15	64QAM	36	39	18.03	18.04	18.21			
15	64QAM	75	0	18.11	18.10	18.20			
Channel									
Frequency (MHz)									
10	QPSK	1	0	17.15	17.32	17.50	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	25	18.28	18.31	18.25	19.5	0	
10	QPSK	1	49	17.86	18.09	18.01			
10	QPSK	25	0	18.15	18.32	18.15			
10	QPSK	25	12	18.31	18.27	18.16	19.5	0	
10	QPSK	25	25	18.24	18.18	18.28			
10	16QAM	1	0	18.02	18.21	18.08			
10	16QAM	1	25	18.19	18.35	18.17	19.5	0	
10	16QAM	1	49	18.23	18.22	18.23			
10	16QAM	25	0	18.09	18.13	18.07			
10	16QAM	25	12	18.18	18.27	18.14	19.5	0	
10	16QAM	25	25	18.05	18.34	18.31			
10	16QAM	50	0	18.30	18.12	18.32			
10	64QAM	1	0	18.16	18.21	18.02			
10	64QAM	1	25	17.85	18.25	18.24	19.5	0	
10	64QAM	1	49	18.18	18.22	18.20			
10	64QAM	25	0	18.10	18.15	18.16			
10	64QAM	25	12	18.08	18.12	18.09	19.5	0	
10	64QAM	25	25	17.99	18.09	18.24			
10	64QAM	50	0	18.23	17.98	18.25			
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.13	18.30	18.22	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	12	18.10	18.30	18.26	19.5	0	
5	QPSK	1	24	17.97	18.07	17.91			
5	QPSK	12	0	18.04	18.34	18.04			
5	QPSK	12	6	18.17	18.33	18.01	19.5	0	
5	QPSK	12	13	18.23	18.30	18.26			
5	QPSK	25	0	17.96	18.08	18.18			
5	16QAM	1	0	18.29	18.23	18.28			
5	16QAM	1	12	18.28	18.35	18.18	19.5	0	
5	16QAM	1	24	18.31	18.13	18.21			
5	16QAM	12	0	17.96	18.16	18.24	19.5	0	
5	16QAM	12	7	18.22	18.21	18.15			
5	16QAM	12	13	18.16	18.17	18.20			
5	16QAM	25	0	18.33	18.16	18.27			
5	64QAM	1	0	18.11	18.28	18.13			
5	64QAM	1	12	17.93	18.30	18.14	19.5	0	
5	64QAM	1	24	18.12	18.17	18.13			
5	64QAM	12	0	18.08	17.96	18.27			
5	64QAM	12	7	18.16	18.24	17.97	19.5	0	
5	64QAM	12	13	18.19	18.25	18.33			
5	64QAM	25	0	18.25	17.99	18.16			
Channel									
Frequency (MHz)									
3	QPSK	1	0	17.12	17.32	17.53	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	8	18.13	18.29	18.18	19.5	0	
3	QPSK	1	14	18.03	18.11	17.91			
3	QPSK	8	0	18.12	18.27	18.14			
3	QPSK	8	4	18.31	18.34	18.17	19.5	0	
3	QPSK	8	7	18.27	18.30	18.17			
3	QPSK	15	0	17.94	18.08	18.04			
3	16QAM	1	0	18.17	18.24	18.18			
3	16QAM	1	8	18.17	18.13	18.03	19.5	0	
3	16QAM	1	14	18.18	18.25	18.11			
3	16QAM	8	0	17.94	18.14	18.04			
3	16QAM	8	4	18.15	18.24	18.10	19.5	0	
3	16QAM	8	7	18.22	18.24	18.20			
3	16QAM	15	0	18.13	18.11	18.29			
3	64QAM	1	0	18.02	18.22	18.18			
3	64QAM	1	8	18.21	18.35	18.25	19.5	0	
3	64QAM	1	14	18.27	18.33	18.03			
3	64QAM	8	0	18.14	18.00	18.26			
3	64QAM	8	7	18.20	18.16	18.10	19.5	0	
3	64QAM	8	7	18.05	18.16	18.21			
3	64QAM	15	0	18.09	18.17	18.08			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	17.10	17.32	17.54	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	3	18.17	18.28	18.13	19.5	0	
1.4	QPSK	1	3	18.07	18.35	18.21			
1.4	QPSK	1	5	17.99	18.10	17.90			
1.4	QPSK	3	0	18.07	18.17	18.28	19.5	0	
1.4	QPSK	3	1	18.13	18.32	18.00			
1.4	QPSK	3	3	18.30	18.23	18.14			
1.4	QPSK	6	0	18.06	18.07	18.12	19.5	0	
1.4	QPSK	6	0	18.25	18.23	18.33			
1.4	16QAM	1	3	18.19	18.16	18.15			
1.4	16QAM	1	5	18.13	18.31	18.31	19.5	0	
1.4	16QAM	3	0	18.16	18.32	18.09			
1.4	16QAM	3	1	18.06	18.13	18.23			
1.4	16QAM	3	3	18.06	18.13	18.29	19.5	0	
1.4	64QAM	1	3	18.10	18.33	18.04			
1.4	64QAM	1	3	18.03	18.16	18.18			
1.4	64QAM	1	5	18.18	18.10	18.27			
1.4	64QAM	3	0	18.09	17.97	18.10			
1.4	64QAM	3	1	18.07	18.07	18.10			
1.4	64QAM	3	3	18.10	18.10	18.25			
1.4	64QAM	8	0	18.08	17.94	18.15	19.5	0	

Band 7 Ant4 DS11										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20650	21100	21350				
Frequency (MHz)				2507.5	2535	2560				
20	QPSK	1	0	18.23	18.30	18.05	19	0		
20	QPSK	1	49	17.99	18.01	18.07				
20	QPSK	1	99	18.05	18.13	18.13				
20	QPSK	50	0	18.09	18.22	18.15	19	0		
20	QPSK	50	24	18.14	18.16	18.21				
20	QPSK	50	50	18.21	18.12	18.13				
20	QPSK	100	0	18.13	18.20	18.17	19	0		
20	16QAM	1	0	18.25	18.26	18.12				
20	16QAM	1	49	18.03	18.10	18.16				
20	16QAM	1	99	18.06	18.23	18.21	19	0		
20	16QAM	50	0	18.11	18.12	18.15				
20	16QAM	50	24	18.21	18.16	18.23				
20	16QAM	50	50	18.21	18.26	18.26	19	0		
20	16QAM	100	0	18.20	18.14	18.16				
20	64QAM	1	0	18.20	18.01	18.11				
20	64QAM	1	49	18.20	18.28	18.16	19	0		
20	64QAM	1	99	18.25	18.13	18.23				
20	64QAM	50	0	18.06	17.98	18.14				
20	64QAM	50	24	18.19	18.16	18.22	19	0		
20	64QAM	50	50	18.21	18.23	18.27				
20	64QAM	100	0	18.21	18.15	18.22				
Channel				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	18.11	18.21	17.83	19	0		
15	QPSK	1	37	17.82	17.96	17.86				
15	QPSK	1	74	17.96	18.14	17.95				
15	QPSK	36	0	18.03	18.18	18.01	19	0		
15	QPSK	36	20	18.09	18.15	18.18				
15	QPSK	36	39	18.01	17.99	18.07				
15	QPSK	75	0	18.14	18.15	18.09	19	0		
15	16QAM	1	0	18.11	18.21	17.93				
15	16QAM	1	37	17.94	18.07	17.99				
15	16QAM	1	74	17.89	18.21	18.16	19	0		
15	16QAM	36	0	17.92	18.05	18.03				
15	16QAM	36	20	18.21	18.09	18.01				
15	16QAM	36	39	18.14	18.28	18.27	19	0		
15	16QAM	75	0	18.19	18.04	18.04				
15	64QAM	1	0	18.17	17.89	17.95				
15	64QAM	1	37	18.19	18.14	18.03	19	0		
15	64QAM	1	74	18.22	18.08	18.05				
15	64QAM	36	0	17.97	17.83	18.00				
15	64QAM	36	20	18.20	18.01	18.15	19	0		
15	64QAM	36	39	18.08	18.09	18.11				
15	64QAM	75	0	18.05	18.15	18.21				
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	18.11	18.16	18.03	19	0		
10	QPSK	1	25	17.90	17.99	18.06				
10	QPSK	1	49	17.93	18.09	18.11				
10	QPSK	25	0	17.90	18.22	17.98	19	0		
10	QPSK	25	12	18.06	18.11	18.06				
10	QPSK	25	25	18.18	18.11	17.92				
10	QPSK	50	0	17.96	18.10	18.12	19	0		
10	16QAM	1	0	18.26	18.05	18.02				
10	16QAM	1	25	17.97	18.05	18.04				
10	16QAM	1	49	18.04	18.07	18.06	19	0		
10	16QAM	25	0	17.93	18.01	17.96				
10	16QAM	25	12	17.99	18.13	18.04				
10	16QAM	25	25	18.12	18.22	18.19	19	0		
10	16QAM	50	0	18.05	18.14	18.01				
10	64QAM	1	0	18.06	17.84	18.09				
10	64QAM	1	25	18.07	18.08	18.03	19	0		
10	64QAM	1	49	18.18	18.01	18.21				
10	64QAM	25	0	18.05	18.00	18.14				
10	64QAM	25	12	17.99	17.99	18.09	19	0		
10	64QAM	25	25	18.09	18.12	18.19				
10	64QAM	50	0	18.02	18.07	18.04				
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	18.22	18.10	18.02	19	0		
5	QPSK	1	12	17.83	17.96	17.85				
5	QPSK	1	24	18.00	17.93	18.06				
5	QPSK	12	0	17.94	18.07	18.07	19	0		
5	QPSK	12	7	18.05	18.15	18.23				
5	QPSK	12	13	17.99	18.01	18.06				
5	QPSK	25	0	18.09	18.19	18.14	19	0		
5	16QAM	1	0	18.19	18.16	17.93				
5	16QAM	1	12	18.02	18.10	18.04				
5	16QAM	1	24	17.98	18.15	18.06	19	0		
5	16QAM	12	0	18.05	17.92	18.16				
5	16QAM	12	7	18.01	18.04	18.06				
5	16QAM	12	13	18.19	18.06	18.18	19	0		
5	16QAM	25	0	18.14	18.04	18.05				
5	64QAM	1	0	17.98	17.99	17.95				
5	64QAM	1	12	18.12	18.24	18.04	19	0		
5	64QAM	1	24	18.24	18.10	18.07				
5	64QAM	12	0	18.08	17.98	17.96				
5	64QAM	12	7	18.01	17.98	18.16	19	0		
5	64QAM	12	13	18.09	18.17	18.29				
5	64QAM	25	0	18.16	18.15	18.02				

Band 12 Ant4 DS11										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23600	23695	23730				
Frequency (MHz)				707.5	707.5	711.1				
10	QPSK	1	0	24.58	24.76	24.57			25.5	0
10	QPSK	1	25	24.54	24.54	24.37				
10	QPSK	1	49	24.58	24.60	24.61				
10	QPSK	25	0	23.57	23.78	23.63			24.5	1
10	QPSK	25	12	23.76	23.61	23.47				
10	QPSK	25	25	23.65	23.61	23.55				
10	QPSK	50	0	23.70	23.73	23.68			24.5	1
10	16QAM	1	0	24.13	23.82	23.76				
10	16QAM	1	25	23.76	24.06	23.74				
10	16QAM	1	49	23.75	23.83	24.08			23.5	2
10	16QAM	25	0	22.66	22.56	22.58				
10	16QAM	25	12	22.81	22.75	22.50				
10	16QAM	25	25	22.69	22.58	22.60			22.5	3
10	16QAM	50	0	22.70	22.65	22.66				
10	64QAM	1	0	22.71	22.72	22.66				
10	64QAM	1	25	22.59	22.75	22.63			23.5	2
10	64QAM	1	49	22.61	22.88	22.61				
10	64QAM	25	0	21.69	21.62	21.56				
10	64QAM	25	12	21.79	21.62	21.72			22.5	3
10	64QAM	25	25	21.64	21.59	21.73				
10	64QAM	50	0	21.71	21.56	21.49				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	24.50	24.75	24.70			25.5	0
5	QPSK	1	12	24.71	24.68	24.61				
5	QPSK	1	24	24.72	24.74	24.66				
5	QPSK	12	0	23.79	23.81	23.78			24.5	1
5	QPSK	12	7	23.77	23.83	23.79				
5	QPSK	12	13	23.89	23.80	23.72				
5	QPSK	25	0	23.88	23.75	23.77			24.5	1
5	16QAM	1	0	23.63	23.76	23.65				
5	16QAM	1	12	23.68	23.77	23.63			23.5	2
5	16QAM	1	24	23.73	23.87	23.86				
5	16QAM	12	0	22.86	22.82	22.72				
5	16QAM	12	7	22.77	22.86	22.98			22.5	3
5	16QAM	12	13	22.67	22.79	22.75				
5	16QAM	25	0	22.86	22.72	22.67				
5	64QAM	1	0	23.07	22.86	23.02			23.5	2
5	64QAM	1	12	22.75	22.90	22.98				
5	64QAM	1	24	22.81	23.07	23.10				
5	64QAM	12	0	21.86	21.75	21.69			22.5	3
5	64QAM	12	7	22.02	21.74	21.85				
5	64QAM	12	13	21.73	21.85	21.69				
5	64QAM	25	0	21.76	21.73	21.56				
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	24.54	24.72	24.55			25.5	0
3	QPSK	1	8	24.64	24.66	24.50				
3	QPSK	1	14	24.75	24.45	24.58				
3	QPSK	8	0	23.71	23.65	23.67			24.5	1
3	QPSK	8	4	23.77	23.73	23.63				
3	QPSK	8	7	23.79	23.65	23.68				
3	QPSK	15	0	23.74	23.62	23.55			24.5	1
3	16QAM	1	0	23.42	23.79	23.62				
3	16QAM	1	8	23.58	23.61	23.72				
3	16QAM	1	14	23.67	23.59	23.76			23.5	2
3	16QAM	8	0	22.72	22.72	22.46				
3	16QAM	8	4	22.85	22.78	22.79				
3	16QAM	15	0	22.81	22.63	22.64			22.5	3
3	64QAM	1	0	22.82	22.81	22.55				
3	64QAM	1	8	22.61	22.75	22.59				
3	64QAM	1	14	22.74	22.72	22.37			24.5	1
3	64QAM	8	0	21.76	21.67	21.70				
3	64QAM	8	4	21.84	21.85	21.83				
3	64QAM	8	7	21.74	21.54	21.72			23.5	2
3	64QAM	15	0	21.86	21.62	21.51				
Channel				23017	23095	23171	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	24.62	24.70	24.42			25.5	0
1.4	QPSK	1	5	24.48	24.40	24.53				
1.4	QPSK	3	0	24.65	24.57	24.42				
1.4	QPSK	3	1	24.74	24.60	24.58			24.5	1
1.4	QPSK	3	3	24.53	24.44	24.51				
1.4	QPSK	6	0	23.71	23.63	23.53				
1.4	16QAM	1	0	23.94	23.84	23.64			24.5	1
1.4	16QAM	1	3	23.65	23.86	23.90				
1.4	16QAM	1	5	23.74	23.80	23.81				
1.4	16QAM	3	0	23.81	23.71	23.66			23.5	2
1.4	16QAM	3	1	23.67	23.93	23.79				
1.4	16QAM	3	3	23.77	23.63	23.67				
1.4	16QAM	6	0	22.67	22.50	22.46			22.5	3
1.4	64QAM	1	0	22.84	22.69	22.98				
1.4	64QAM	1	3	23.03	23.00	22.71				
1.4	64QAM	1	5	22.76	22.64	22.82			23.5	2
1.4	64QAM	3	0	22.74	22.69	22.76				
1.4	64QAM	3	1	22.80	22.68	23.67				
1.4	64QAM	3	3	22.58	22.61	22.60			22.5	3
1.4	64QAM	6	0	21.60	21.59	21.53				

Band 26 Ant4 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	25.5	0	
Frequency (MHz)				831.5	831.5	841.5			
15	QPSK	1	0	24.42	24.48	24.38	24.5	1	
15	QPSK	1	37	24.36	24.30	24.34			
15	QPSK	1	74	24.38	24.28	24.23			
15	QPSK	36	0	23.52	23.54	23.26			
15	QPSK	36	20	23.30	23.49	23.28	24.5	1	
15	QPSK	36	39	23.31	23.28	23.36			
15	QPSK	75	0	23.39	23.49	23.43			
15	16QAM	1	0	23.35	23.48	23.38			
15	16QAM	1	37	23.24	23.38	23.34	24.5	1	
15	16QAM	1	74	23.29	23.46	23.19			
15	16QAM	36	0	22.44	22.38	22.28			
15	16QAM	36	20	22.40	22.33	22.17			
15	16QAM	36	39	22.35	22.38	22.17	23.5	2	
15	16QAM	75	0	22.42	22.37	22.28			
15	64QAM	1	0	22.32	22.64	22.38			
15	64QAM	1	37	22.21	22.35	22.20			
15	64QAM	1	74	22.33	22.41	22.31	23.5	2	
15	64QAM	36	0	21.43	21.55	21.49			
15	64QAM	36	20	21.33	21.32	21.35			
15	64QAM	36	39	21.36	21.29	21.28			
15	64QAM	75	0	21.32	21.47	21.47	22.5	3	
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.37	24.35	24.35	25.5	0	
10	QPSK	1	25	24.21	24.21	24.25			
10	QPSK	1	49	24.25	24.26	24.07			
10	QPSK	25	0	23.39	23.45	23.11			
10	QPSK	25	12	23.23	23.44	23.23	24.5	1	
10	QPSK	25	25	23.12	23.10	23.35			
10	QPSK	50	0	23.36	23.43	23.32			
10	16QAM	1	0	23.35	23.32	23.20			
10	16QAM	1	25	23.18	23.16	23.19	24.5	1	
10	16QAM	1	49	23.09	23.42	23.07			
10	16QAM	25	0	22.40	22.18	22.21			
10	16QAM	25	12	22.21	22.28	22.07			
10	16QAM	25	25	22.27	22.19	22.09	23.5	2	
10	16QAM	50	0	22.33	22.36	22.16			
10	64QAM	1	0	22.28	22.39	22.28			
10	64QAM	1	25	22.04	22.27	22.15			
10	64QAM	1	49	22.13	22.33	22.14	22.5	3	
10	64QAM	25	0	21.41	21.38	21.39			
10	64QAM	25	12	21.29	21.16	21.20			
10	64QAM	25	25	21.26	21.28	21.18			
10	64QAM	50	0	21.16	21.43	21.34	26715	26865	
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.32	24.39	24.22	25.5	0	
5	QPSK	1	12	24.29	24.24	24.41			
5	QPSK	1	24	24.25	24.20	24.20			
5	QPSK	12	0	23.35	23.54	23.22			
5	QPSK	12	7	23.29	23.45	23.32	24.5	1	
5	QPSK	12	13	23.16	23.19	23.29			
5	QPSK	25	0	23.30	23.37	23.54			
5	16QAM	1	0	23.24	23.32	23.39			
5	16QAM	1	12	23.22	23.34	23.37	24.5	1	
5	16QAM	1	24	23.12	23.33	23.12			
5	16QAM	12	0	22.30	22.41	22.28			
5	16QAM	12	7	22.40	22.33	22.12			
5	16QAM	12	13	22.20	22.25	22.08	23.5	2	
5	16QAM	25	0	22.49	22.30	22.23			
5	64QAM	1	0	22.31	22.51	22.44			
5	64QAM	1	12	22.27	22.31	22.23			
5	64QAM	1	24	22.20	22.36	22.25	23.5	2	
5	64QAM	12	0	21.34	21.43	21.49			
5	64QAM	12	7	21.32	21.32	21.40			
5	64QAM	12	13	21.32	21.33	21.11			
5	64QAM	25	0	21.22	21.40	21.48	26705	26865	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.43	24.33	24.42	25.5	0	
3	QPSK	1	8	24.21	24.14	24.37			
3	QPSK	1	14	24.39	24.33	24.10			
3	QPSK	8	0	23.43	23.41	23.31			
3	QPSK	8	4	23.21	23.49	23.12	24.5	1	
3	QPSK	8	7	23.21	23.34	23.25			
3	QPSK	15	0	23.30	23.30	23.33			
3	16QAM	1	0	23.23	23.41	23.32			
3	16QAM	1	8	23.13	23.34	23.39	24.5	1	
3	16QAM	1	14	23.24	23.41	23.22			
3	16QAM	8	0	22.38	22.30	22.20			
3	16QAM	8	4	22.28	22.18	22.07			
3	16QAM	8	7	22.28	22.24	22.17	23.5	2	
3	16QAM	15	0	22.46	22.36	22.31			
3	64QAM	1	0	22.22	22.37	22.40			
3	64QAM	1	8	22.26	22.23	22.13			
3	64QAM	1	14	22.34	22.36	22.22	22.5	3	
3	64QAM	8	0	21.40	21.41	21.55			
3	64QAM	8	4	21.19	21.21	21.22			
3	64QAM	8	7	21.43	21.26	21.24			
3	64QAM	15	0	21.34	21.40	21.43	26897	26865	
Channel				26897	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.42	24.46	24.31	25.5	0	
1.4	QPSK	1	3	24.25	24.29	24.28			
1.4	QPSK	1	5	24.23	24.42	24.10			
1.4	QPSK	3	0	24.32	24.43	24.28			
1.4	QPSK	3	1	24.27	24.41	24.26	24.5	1	
1.4	QPSK	3	3	24.40	24.38	24.15			
1.4	QPSK	6	0	23.52	23.34	23.28			
1.4	16QAM	1	0	23.33	23.35	23.15			
1.4	16QAM	1	3	23.17	23.20	23.16	24.5	1	
1.4	16QAM	1	5	23.02	23.21	23.06			
1.4	16QAM	3	0	23.23	23.25	23.21			
1.4	16QAM	3	1	23.26	23.42	23.06			
1.4	16QAM	3	3	23.31	23.18	23.06	23.5	2	
1.4	16QAM	6	0	22.47	22.23	22.18			
1.4	64QAM	1	0	22.33	22.40	22.42			
1.4	64QAM	1	3	22.33	22.27	22.17			
1.4	64QAM	1	5	22.26	22.38	22.04	23.5	2	
1.4	64QAM	3	0	22.39	22.36	22.38			
1.4	64QAM	3	1	22.34	22.45	22.26			
1.4	64QAM	3	3	22.42	22.30	22.17			
1.4	64QAM	6	0	21.51	21.28	21.18	22.5	3	

Band 38 Ant4 DSI1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	20.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.77	19.99	19.82	20.5	0	
20	QPSK	1	49	19.84	19.83	19.87			
20	QPSK	1	99	19.83	19.85	19.83			
20	QPSK	50	0	19.86	19.96	19.87			
20	QPSK	50	24	19.88	19.90	19.83	20.5	0	
20	QPSK	50	50	19.94	19.95	19.94			
20	QPSK	100	0	19.93	19.94	19.85			
20	16QAM	1	0	19.93	19.96	19.96			
20	16QAM	1	49	19.83	19.94	19.83	20.5	0	
20	16QAM	1	99	19.89	19.82	19.97			
20	16QAM	50	0	19.85	19.89	19.88			
20	16QAM	50	24	19.94	19.91	19.86			
20	16QAM	50	50	19.97	19.95	19.92	20.5	0	
20	16QAM	100	0	19.97	19.97	19.87			
20	64QAM	1	0	19.64	19.66	19.68			
20	64QAM	1	49	19.76	19.74	19.72			
20	64QAM	1	99	19.75	19.73	19.64	20.5	0	
20	64QAM	50	0	19.79	19.82	19.82			
20	64QAM	50	24	19.93	19.86	19.95			
20	64QAM	50	50	19.92	19.91	19.91			
20	64QAM	100	0	19.87	19.86	19.92	20.5	0	
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	20.5	0	
15	QPSK	1	0	19.71	19.89	19.80	20.5	0	
15	QPSK	1	37	19.71	19.75	19.88			
15	QPSK	1	74	19.61	19.68	19.81			
15	QPSK	36	0	19.76	19.81	19.71			
15	QPSK	36	20	19.79	19.73	19.78	20.5	0	
15	QPSK	36	39	19.77	19.81	19.86			
15	QPSK	75	0	19.89	19.94	19.83			
15	16QAM	1	0	19.87	19.90	19.87			
15	16QAM	1	37	19.68	19.93	19.84	20.5	0	
15	16QAM	1	74	19.86	19.68	19.95			
15	16QAM	36	0	19.63	19.80	19.87			
15	16QAM	36	20	19.91	19.83	19.69			
15	16QAM	36	39	19.95	19.96	19.82	20.5	0	
15	16QAM	75	0	19.84	19.86	19.79			
15	64QAM	1	0	19.53	19.58	19.57			
15	64QAM	1	37	19.63	19.73	19.73			
15	64QAM	1	74	19.58	19.55	19.64	20.5	0	
15	64QAM	36	0	19.72	19.62	19.67			
15	64QAM	36	20	19.72	19.76	19.74			
15	64QAM	36	39	19.83	19.87	19.83			
15	64QAM	75	0	19.82	19.70	19.82	20.5	0	
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	20.5	0	
10	QPSK	1	0	19.69	19.79	19.75	20.5	0	
10	QPSK	1	25	19.66	19.78	19.73			
10	QPSK	1	49	19.81	19.75	19.63			
10	QPSK	25	0	19.64	19.89	19.83			
10	QPSK	25	12	19.68	19.90	19.68	20.5	0	
10	QPSK	25	25	19.91	19.90	19.76			
10	QPSK	50	0	19.83	19.82	19.85			
10	16QAM	1	0	19.72	19.89	19.94			
10	16QAM	1	25	19.62	19.83	19.72	20.5	0	
10	16QAM	1	49	19.71	19.64	19.88			
10	16QAM	25	0	19.84	19.70	19.70			
10	16QAM	25	12	19.76	19.93	19.87			
10	16QAM	25	25	19.93	19.82	19.93	20.5	0	
10	16QAM	50	0	19.86	19.93	19.71			
10	64QAM	1	0	19.62	19.57	19.67			
10	64QAM	1	25	19.63	19.66	19.68			
10	64QAM	1	49	19.73	19.70	19.62	20.5	0	
10	64QAM	25	0	19.65	19.78	19.61			
10	64QAM	25	12	19.79	19.68	19.79			
10	64QAM	25	25	19.76	19.91	19.70			
10	64QAM	50	0	19.75	19.72	19.94	20.5	0	
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	20.5	0	
5	QPSK	1	0	19.63	19.81	19.65	20.5	0	
5	QPSK	1	12	19.79	19.73	19.71			
5	QPSK	1	24	19.70	19.67	19.82			
5	QPSK	12	0	19.82	19.88	19.88			
5	QPSK	12	7	19.87	19.86	19.63	20.5	0	
5	QPSK	12	13	19.77	19.84	19.82			
5	QPSK	25	0	19.75	19.75	19.71			
5	16QAM	1	0	19.85	19.95	19.92			
5	16QAM	1	12	19.82	19.76	19.66	20.5	0	
5	16QAM	1	24	19.74	19.78	19.86			
5	16QAM	12	0	19.78	19.69	19.82			
5	16QAM	12	7	19.80	19.81	19.78			
5	16QAM	12	13	19.94	19.85	19.86	20.5	0	
5	16QAM	25	0	19.94	19.82	19.77			
5	64QAM	1	0	19.47	19.50	19.54			
5	64QAM	1	12	19.56	19.67	19.59			
5	64QAM	1	24	19.53	19.55	19.59	20.5	0	
5	64QAM	12	0	19.58	19.80	19.78			
5	64QAM	12	7	19.93	19.76	19.91			
5	64QAM	12	13	19.85	19.85	19.90			
5	64QAM	25	0	19.73	19.72	19.80	20.5	0	

Band 41 Ant4 DSI1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	21.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.58	20.61	20.92	20.73	20.80	21.5	0
20	QPSK	1	49	20.58	20.64	20.75	20.67	20.69		
20	QPSK	1	99	20.59	20.66	20.76	20.67	20.65		
20	QPSK	50	0	20.72	20.77	20.90	20.80	20.83		
20	QPSK	50	24	20.78	20.87	20.86	20.77	20.80	21.5	0
20	QPSK	50	50	20.77	20.85	20.75	20.83	20.82		
20	QPSK	100	0	20.78	20.85	20.88	20.75	20.78		
20	16QAM	1	0	20.75	20.80	20.82	20.83	20.76		
20	16QAM	1	49	20.70	20.79	20.88	20.83	20.79	21.5	0
20	16QAM	1	99	20.71	20.81	20.78	20.84	20.77		
20	16QAM	50	0	20.73	20.78	20.90	20.82	20.85		
20	16QAM	50	24	20.84	20.90	20.78	20.83	20.82		
20	16QAM	50	50	20.81	20.88	20.83	20.85	20.82	21.5	0
20	16QAM	100	0	20.82	20.90	20.86	20.79	20.80		
20	64QAM	1	0	20.54	20.55	20.78	20.66	20.80		
20	64QAM	1	49	20.54	20.55	20.69	20.56	20.67		
20	64QAM	1	99	20.52	20.61	20.70	20.60	20.59	21.5	0
20	64QAM	50	0	19.69	19.76	19.84	19.77	19.78		
20	64QAM	50	24	19.78	19.85	19.91	19.74	19.75		
20	64QAM	50	50	19.76	19.84	19.87	19.81	19.75		
20	64QAM	100	0	19.85	19.95	19.89	19.85	19.82	20.5	1
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	20.56	20.52	20.76	20.59	20.77	21.50	0
15	QPSK	1	37	20.39	20.52	20.66	20.63	20.67		
15	QPSK	1	74	20.56	20.48	20.76	20.49	20.46	21.5	0
15	QPSK	36	0	20.64	20.67	20.82	20.64	20.69		
15	QPSK	36	20	20.80	20.78	20.75	20.58	20.78		
15	QPSK	36	39	20.71	20.83	20.73	20.70	20.82		
15	QPSK	75	0	20.66	20.67	20.85	20.58	20.59	21.5	0
15	16QAM	1	0	20.64	20.66	20.63	20.76	20.61		
15	16QAM	1	37	20.59	20.68	20.77	20.81	20.62		
15	16QAM	1	74	20.61	20.68	20.64	20.77	20.60		
15	16QAM	36	0	20.56	20.64	20.77	20.80	20.84	21.5	0
15	16QAM	36	20	20.72	20.71	20.73	20.77	20.79		
15	16QAM	36	39	20.75	20.75	20.63	20.78	20.68		
15	16QAM	75	0	20.75	20.84	20.70	20.65	20.71		
15	64QAM	1	0	20.47	20.54	20.72	20.53	20.68	21.5	0
15	64QAM	1	37	20.42	20.49	20.67	20.47	20.58		
15	64QAM	1	74	20.48	20.54	20.61	20.47	20.58		
15	64QAM	36	0	19.57	19.75	19.76	19.74	19.70		
15	64QAM	36	20	19.71	19.76	19.74	19.56	19.70	20.5	1
15	64QAM	36	39	19.67	19.74	19.72	19.62	19.68		
15	64QAM	75	0	19.75	19.95	19.82	19.73	19.76		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	20.44	20.50	20.79	20.59	20.62	21.50	0
10	QPSK	1	25	20.49	20.57	20.57	20.50	20.65		
10	QPSK	1	49	20.58	20.48	20.68	20.49	20.60	21.5	0
10	QPSK	25	0	20.65	20.67	20.83	20.73	20.63		
10	QPSK	25	12	20.68	20.71	20.73	20.68	20.60		
10	QPSK	25	25	20.68	20.81	20.74	20.76	20.64		
10	QPSK	50	0	20.74	20.71	20.87	20.63	20.70	21.5	0
10	16QAM	1	0	20.60	20.80	20.63	20.69	20.62		
10	16QAM	1	25	20.56	20.70	20.83	20.76	20.64		
10	16QAM	1	49	20.51	20.69	20.62	20.80	20.77		
10	16QAM	25	0	20.58	20.76	20.86	20.72	20.71	21.5	0
10	16QAM	25	12	20.83	20.79	20.63	20.64	20.72		
10	16QAM	25	25	20.61	20.72	20.83	20.84	20.70		
10	16QAM	50	0	20.62	20.74	20.72	20.59	20.78		
10	64QAM	1	0	20.46	20.51	20.67	20.51	20.71	21.5	0
10	64QAM	1	25	20.54	20.46	20.53	20.48	20.66		
10	64QAM	1	49	20.33	20.46	20.59	20.59	20.41		
10	64QAM	25	0	19.54	19.75	19.68	19.59	19.75		
10	64QAM	25	12	19.74	19.65	19.76	19.61	19.57	20.5	1
10	64QAM	25	25	19.60	19.79	19.70	19.79	19.74		
10	64QAM	50	0	19.67	19.80	19.71	19.66	19.64		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	20.51	20.48	20.74	20.67	20.70	21.50	0
5	QPSK	1	12	20.50	20.57	20.72	20.57	20.53		
5	QPSK	1	24	20.58	20.60	20.67	20.50	20.50	21.5	0
5	QPSK	12	0	20.69	20.61	20.88	20.80	20.74		
5	QPSK	12	7	20.75	20.75	20.79	20.73	20.70		
5	QPSK	12	13	20.64	20.76	20.69	20.78	20.70		
5	QPSK	25	0	20.61	20.73	20.87	20.70	20.76	21.5	0
5	16QAM	1	0	20.57	20.71	20.80	20.82	20.63		
5	16QAM	1	12	20.55	20.64	20.70	20.72	20.60		
5	16QAM	1	24	20.69	20.65	20.60	20.82	20.58		
5	16QAM	12	0	20.56	20.72	20.84	20.78	20.76	21.5	0
5	16QAM	12	7	20.64	20.75	20.61	20.67	20.65		
5	16QAM	12	13	20.77	20.85	20.70	20.82	20.69		
5	16QAM	25	0	20.75	20.71	20.76	20.68	20.69		
5	64QAM	1	0	20.38	20.40	20.74	20.49	20.63	21.5	0
5	64QAM	1	12	20.52	20.41	20.61	20.37	20.50		
5	64QAM	1	24	20.41	20.48	20.55	20.43	20.49		
5	64QAM	12	0	19.52	19.74	19.67	19.67	19.77		
5	64QAM	12	7	19.68	19.81	19.87	19.73	19.57	20.5	1
5	64QAM	12	13	19.58	19.75	19.86	19.81	19.73		
5	64QAM	25	0	19.77	19.78	19.86	19.74	19.77		

		GSM850 Ant0 DS12						
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.15	32.10	31.97	33.50	23.15	23.10	22.97	24.50
GPRS 1 Tx slot	32.21	32.04	31.89	33.50	23.21	23.04	22.89	24.50
GPRS 2 Tx slots	29.43	29.46	29.27	30.50	23.43	23.46	23.27	24.50
GPRS 3 Tx slots	27.33	27.74	27.67	28.50	23.07	23.48	23.41	24.24
GPRS 4 Tx slots	26.00	26.32	26.30	27.50	23.00	23.32	23.30	24.50
EDGE 1 Tx slot	25.94	25.96	25.85	27.50	16.94	16.96	16.85	18.50
EDGE 2 Tx slots	23.17	23.11	23.14	24.50	17.17	17.11	17.14	18.50
EDGE 3 Tx slots	21.19	21.24	21.16	23.00	16.93	16.98	16.90	18.74
EDGE 4 Tx slots	19.84	20.12	20.03	21.50	16.84	17.12	17.03	18.50

GSM1900 Ant0 DS12								
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.27	29.33	29.21	30.50	20.27	20.33	20.21	21.50
GPRS 1 Tx slot	29.34	29.28	29.10	30.50	20.34	20.28	20.10	21.50
GPRS 2 Tx slots	26.70	26.64	26.39	27.50	20.70	20.64	20.39	21.50
GPRS 3 Tx slots	24.63	24.82	24.61	25.50	20.37	20.56	20.35	21.24
GPRS 4 Tx slots	23.17	23.52	23.43	24.50	20.17	20.52	20.43	21.50
EDGE 1 Tx slot	25.23	25.39	25.18	26.50	16.23	16.39	16.18	17.50
EDGE 2 Tx slots	22.51	22.45	22.27	24.00	16.51	16.45	16.27	18.00
EDGE 3 Tx slots	19.92	19.82	19.73	21.50	15.66	15.56	15.47	17.24
EDGE 4 Tx slots	19.97	19.69	19.85	20.50	16.97	16.69	16.85	17.50

		WCDMA II Ant0 DS12						WCDMA IV Ant0 DS12						WCDMA V Ant0 DS12					
	Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)						
	TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233							
	Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458							
	Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6							
3GPP Rel 99	AMR 12.2Kbps	24.38	24.33	24.31	25.50	24.26	24.50	24.35	25.50	24.71	24.74	24.72	25.50						
3GPP Rel 99	RMC 12.2Kbps	24.40	24.43	24.36	25.50	24.13	24.52	24.44	25.50	24.75	24.78	24.69	25.50						
3GPP Rel 6	HSDPA Subtest-1	23.80	23.83	23.81	24.50	23.42	23.40	23.39	24.50	23.76	23.81	23.54	24.50						
3GPP Rel 6	HSDPA Subtest-2	23.77	23.82	23.80	24.50	23.55	23.47	23.39	24.50	23.82	23.69	23.58	24.50						
3GPP Rel 6	HSDPA Subtest-3	22.96	23.26	23.30	24.00	22.96	22.96	22.76	24.00	23.33	23.29	23.20	24.00						
3GPP Rel 6	HSDPA Subtest-4	23.31	23.32	23.27	24.00	22.93	22.97	22.90	24.00	23.32	23.34	23.22	24.00						
3GPP Rel 8	DC-HSDPA Subtest-1	23.85	23.80	23.79	24.50	23.32	23.42	23.10	24.50	23.82	23.87	23.56	24.50						
3GPP Rel 8	DC-HSDPA Subtest-2	23.77	23.87	23.86	24.50	23.40	23.35	23.36	24.50	23.87	23.74	23.56	24.50						
3GPP Rel 8	DC-HSDPA Subtest-3	23.02	23.22	23.25	24.00	22.82	22.74	22.71	24.00	23.37	23.30	23.21	24.00						
3GPP Rel 8	DC-HSDPA Subtest-4	23.27	23.37	23.29	24.00	22.79	22.83	22.75	24.00	23.38	23.31	23.18	24.00						
3GPP Rel 6	HSUPA Subtest-1	23.46	23.45	23.37	24.50	23.44	23.34	23.25	24.50	23.69	23.75	23.66	24.50						
3GPP Rel 6	HSUPA Subtest-2	21.42	21.43	21.33	22.50	21.56	21.46	21.25	22.50	21.78	21.79	21.67	22.50						
3GPP Rel 6	HSUPA Subtest-3	22.44	22.47	22.34	23.50	22.41	22.44	22.22	23.50	22.80	22.77	22.64	23.50						
3GPP Rel 6	HSUPA Subtest-4	21.45	21.46	21.28	22.50	21.42	21.55	21.43	22.50	21.73	21.78	21.70	22.50						
3GPP Rel 6	HSUPA Subtest-5	23.40	23.50	23.40	24.50	23.45	23.53	23.05	24.50	23.78	23.74	23.40	24.50						

Band 7 Ant0 DS2i									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				20850	21100	21350			
Frequency (MHz)				2502.5	2535	2560			
20	QPSK	1	0	24.18	24.39	24.34	25.5	0	
20	QPSK	1	49	24.21	24.30	24.17			
20	QPSK	1	99	24.26	24.32	24.35			
20	QPSK	50	0	23.19	23.56	23.27	24.5	1	
20	QPSK	50	24	23.49	23.45	23.44			
20	QPSK	50	50	23.52	23.48	23.44			
20	QPSK	100	0	23.35	23.45	23.33	24.5	1	
20	16QAM	1	0	23.22	23.39	23.41			
20	16QAM	1	49	23.28	23.33	23.20			
20	16QAM	1	99	23.36	23.33	23.18	23.5	2	
20	16QAM	50	0	22.41	22.26	22.25			
20	16QAM	50	24	22.46	22.38	22.37			
20	16QAM	50	50	22.43	22.49	22.48	22.5	3	
20	16QAM	100	0	22.39	22.36	22.41			
20	64QAM	1	0	22.24	22.37	22.34			
20	64QAM	1	49	22.55	22.42	22.40	23.5	2	
20	64QAM	1	99	22.57	22.27	22.31			
20	64QAM	50	0	21.34	21.29	21.31			
20	64QAM	50	24	21.49	21.36	21.40	22.5	3	
20	64QAM	50	50	21.51	21.47	21.41			
20	64QAM	100	0	21.40	21.39	21.36			
Channel				20825	21100	21375	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2502.5	2535	2562.5			
15	QPSK	1	0	24.11	24.21	24.05	25.5	0	
15	QPSK	1	37	23.99	24.27	24.22			
15	QPSK	1	74	24.25	24.33	24.22			
15	QPSK	36	0	23.21	23.31	23.32	24.5	1	
15	QPSK	36	20	23.35	23.34	23.22			
15	QPSK	36	39	23.40	23.29	23.34			
15	QPSK	75	0	23.34	23.36	23.34	24.5	1	
15	16QAM	1	0	23.20	23.24	23.38			
15	16QAM	1	37	23.19	23.28	23.08			
15	16QAM	1	74	23.50	23.23	23.01	23.5	2	
15	16QAM	36	0	22.29	22.23	22.29			
15	16QAM	36	20	22.40	22.36	22.33			
15	16QAM	36	39	22.28	22.30	22.38	23.5	2	
15	16QAM	75	0	22.16	22.26	22.13			
15	64QAM	1	37	22.39	22.24	22.19			
15	64QAM	1	74	22.31	22.05	22.09	22.5	3	
15	64QAM	36	0	21.24	21.26	21.28			
15	64QAM	36	20	21.32	21.39	21.26			
15	64QAM	36	39	21.40	21.31	21.33	22.5	3	
15	64QAM	75	0	21.39	21.35	21.27			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	24.29	24.10	24.11	25.5	0	
10	QPSK	1	25	24.05	24.25	24.36			
10	QPSK	1	49	24.11	24.25	24.26			
10	QPSK	25	0	23.28	23.09	23.19	24.5	1	
10	QPSK	25	12	23.05	23.18	23.15			
10	QPSK	25	25	23.04	23.16	23.08			
10	QPSK	50	0	23.23	23.06	23.00	24.5	1	
10	16QAM	1	0	23.05	23.17	23.02			
10	16QAM	1	25	23.19	23.02	23.08			
10	16QAM	1	49	23.16	23.17	23.05	23.5	2	
10	16QAM	25	0	22.05	22.18	22.08			
10	16QAM	25	12	22.23	22.20	22.25			
10	16QAM	25	25	22.31	22.13	22.34	23.5	2	
10	16QAM	50	0	22.36	22.31	22.42			
10	64QAM	1	0	22.11	22.18	22.24			
10	64QAM	1	25	22.17	22.30	22.10	23.5	2	
10	64QAM	1	49	22.14	22.29	22.06			
10	64QAM	25	0	21.05	21.08	21.19			
10	64QAM	25	12	21.36	21.02	21.18	22.5	3	
10	64QAM	25	25	21.23	21.06	21.16			
10	64QAM	50	0	21.08	21.38	21.08			
Channel				21025	21100	21425	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	24.32	24.27	24.25	25.5	0	
5	QPSK	1	12	24.13	24.37	24.23			
5	QPSK	1	24	24.35	24.32	24.36			
5	QPSK	12	0	23.28	23.31	23.24	24.5	1	
5	QPSK	12	7	23.32	23.31	23.23			
5	QPSK	12	13	23.45	23.41	23.45			
5	QPSK	25	0	23.33	23.34	23.38	24.5	1	
5	16QAM	1	0	23.20	23.37	23.25			
5	16QAM	1	12	23.15	23.28	23.23			
5	16QAM	1	24	23.26	23.05	23.17	23.5	2	
5	16QAM	12	0	22.29	22.29	22.13			
5	16QAM	12	7	22.33	22.31	22.45			
5	16QAM	12	13	22.40	22.42	22.46	23.5	2	
5	16QAM	25	0	22.44	22.38	22.37			
5	64QAM	1	0	22.00	22.18	22.06			
5	64QAM	1	12	22.29	22.24	22.12	23.5	2	
5	64QAM	1	24	22.46	22.15	22.05			
5	64QAM	12	0	21.18	21.26	21.25			
5	64QAM	12	7	21.31	21.45	21.26	22.5	3	
5	64QAM	12	13	21.40	21.46	21.40			
5	64QAM	25	0	21.39	21.31	21.33			

Band 12 Ant0 DS2i									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23060	23065	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.57	24.69	24.64	25.5	0	
10	QPSK	1	25	24.61	24.64	24.51			
10	QPSK	1	49	24.67	24.65	24.61			
10	QPSK	25	0	23.69	23.89	23.68	24.5	1	
10	QPSK	25	12	23.74	23.71	23.80			
10	QPSK	25	25	23.53	23.86	23.81			
10	QPSK	50	0	23.83	23.96	23.80	24.5	1	
10	16QAM	1	0	23.75	23.73	23.73			
10	16QAM	1	25	23.85	23.79	23.61			
10	16QAM	1	49	23.77	23.73	23.72	23.5	2	
10	16QAM	25	0	22.82	22.75	22.89			
10	16QAM	25	12	22.85	22.89	22.71			
10	16QAM	25	25	22.90	22.85	22.92	23.5	2	
10	16QAM	50	0	22.92	22.86	22.74			
10	64QAM	1	0	22.87	22.60	22.66			
10	64QAM	1	25	22.81	22.57	22.77	23.5	2	
10	64QAM	1	49	22.84	22.70	22.92			
10	64QAM	25	0	21.85	21.86	21.75			
10	64QAM	25	12	21.87	21.75	21.68	22.5	3	
10	64QAM	25	25	21.88	21.62	21.77			
10	64QAM	50	0	21.90	21.80	21.63			
Channel				23035	23095	23155	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.67	24.62	24.64	25.5	0	
5	QPSK	1	12	24.68	24.58	24.44			
5	QPSK	1	24	24.61	24.52	24.60			
5	QPSK	12	0	23.60	23.61	23.64	24.5	1	
5	QPSK	12	7	23.71	23.71	23.71			
5	QPSK	12	13	23.64	23.60	23.66			
5	QPSK	25	0	23.77	23.63	23.59	24.5	1	
5	16QAM	1	0	23.62	23.70	23.62			
5	16QAM	1	12	23.48	23.75	23.71			
5	16QAM	1	24	23.61	23.68	23.54	23.5	2	
5	16QAM	12	0	22.84	22.64	22.82			
5	16QAM	12	7	22.89	22.69	22.61			
5	16QAM	12	13	22.81	22.64	22.65	23.5	2	
5	16QAM	25	0	22.73	22.64	22.65			
5	8QAM	1	0	22.73	22.64	22.65			
5	8QAM	1	12	22.76	22.94	22.88	22.5	3	
5	8QAM	1	24	22.70	22.76	22.75			
5	8QAM	12	0	21.79	21.71	21.64			
5	8QAM	12	7	21.81	21.67	21.74	22.5	3	
5	8QAM	12	13	21.59	21.67	21.82			
5	8QAM	25	0	21.60	21.64	21.73			
Channel				23025	23095	23165	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.57	24.66	24.66	25.5	0	
3	QPSK	1	8	24.44	24.65	24.63			
3	QPSK	1	14	24.56	24.63	24.61			
3	QPSK	8	0	23.80	23.68	23.76	24.5	1	
3	QPSK	8	4	23.76	23.81	23.75			
3	QPSK	8	7	23.66	23.83	23.71			
3	QPSK	15	0	23.74	23.77	23.71	24.5	1	
3	16QAM	1	0	23.53	23.67	23.54			
3	16QAM	1	8	23.79	23.83	23.66			
3	16QAM	1	14	23.76	23.84	23.68	23.5	2	
3	16QAM	8	0	22.93	22.96	22.76			
3	16QAM	8	4	22.88	22.85	22.96			
3	16QAM	15	0	22.79	22.72	22.71	23.5	2	
3	16QAM	15	8	22.79	22.98	22.73			
3	64QAM	1	0	22.85	22.79	22.82			
3	64QAM	1	8	23.07	23.10	23.03	23.5	2	
3	64QAM	1	14	23.00	23.12	22.90			
3	64QAM	8	0	21.92	21.68	21.77			
3	64QAM	8	4	21.83	21.68	21.76	22.5	3	
3	64QAM	8	7	22.01	21.73	21.87			
3	64QAM	15	0	21.75	21.80	21.71			
Channel				23017	23095	23173	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				699.5	707.5	715.3			
1.4	QPSK	1	0	24.51	24.61	24.59	25.5	0	
1.4	QPSK	1	3	24.47	24.65	24.52			
1.4	QPSK	1	5	24.33	24.40	24.33			
1.4	QPSK	3	1	24.52	24.51	24.42	24.5	1	
1.4	QPSK	3	3	24.46	24.36	24.41			
1.4	QPSK	3	6	23.49	23.52	23.54			
1.4	16QAM	1	0	23.65	23.62	23.81	24.5	1	
1.4	16QAM	1	3	23.54	23.71	23.62			
1.4	16QAM	1	5	23.56	23.84	23.68			
1.4	16QAM	3	0	23.52	23.64	23.50	23.5	1	
1.4	16QAM	3	1	23.45	23.71	23.56			
1.4	16QAM	3	3	23.5	23.5	23.40			
1.4	16QAM	6	0	22.48	22.51	22.42	23.5	2	
1.4	64QAM	1	0	22.92	22.75	22.86			
1.4	64QAM	1	3	22.93	22.67	22.95			
1.4	64QAM	1	5	22.83	22.73	22.84	23.5	2	
1.4	64QAM	3	0	22.68	22.73	22.61			
1.4	64QAM	3	1	22.86	22.56	22.71			
1.4	64QAM	3	3	22.52	22.70	22.64	22.5	3	
1.4	64QAM	6	0	21.48	21.58	21.51			

Band 26 Ant0 DS12											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low		Power Middle		Power High		Tune-up limit (dBm)	MPR (dB)
				Ch./F.Freq.	28768	Ch./F.Freq.	28868	Ch./F.Freq.	28968		
Channel				821.5		831.5		841.5			
Frequency (MHz)											
15	QPSK	1	0	24.34	24.44	24.31		24.31		25.5	0
15	QPSK	1	37	24.39	24.37	24.29		24.29			
15	QPSK	1	74	24.37	24.33	24.18		24.18			
15	QPSK	36	0	23.44	23.50	23.37		23.37		24.5	1
15	QPSK	36	20	23.42	23.46	23.44		23.44			
15	QPSK	36	39	23.48	23.46	23.38		23.38			
15	QPSK	75	0	23.42	23.52	23.31		23.31		24.5	1
15	16QAM	1	0	23.77	23.67	23.64		23.64			
15	16QAM	1	37	23.70	23.66	23.58		23.58			
15	16QAM	1	74	23.75	23.66	23.48		23.48		23.5	2
15	16QAM	36	0	22.45	22.43	22.39		22.39			
15	16QAM	36	20	22.50	22.48	22.41		22.41			
15	16QAM	36	39	22.46	22.47	22.39		22.39		22.5	3
15	16QAM	75	0	22.52	22.41	22.38		22.38			
15	64QAM	1	0	22.80	22.55	22.50		22.50			
15	64QAM	1	37	22.65	22.60	22.50		22.50		23.5	2
15	64QAM	1	74	22.56	22.54	22.37		22.37			
15	64QAM	36	0	21.48	21.44	21.37		21.37			
15	64QAM	36	20	21.51	21.47	21.40		21.40		22.5	3
15	64QAM	36	39	21.50	21.47	21.38		21.38			
15	64QAM	75	0	21.52	21.42	21.34		21.34			
Channel				26740		26865		26990		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819		831.5		844			
10	QPSK	1	0	24.35	24.33	24.20		24.20		25.5	0
10	QPSK	1	25	24.33	24.25	24.17		24.17			
10	QPSK	1	49	24.27	24.20	24.12		24.12			
10	QPSK	25	0	23.45	23.37	23.31		23.31		24.5	1
10	QPSK	25	12	23.45	23.36	23.32		23.32			
10	QPSK	25	25	23.42	23.40	23.33		23.33			
10	QPSK	50	0	23.46	23.34	23.30		23.30		24.5	1
10	16QAM	1	0	23.60	23.68	23.61		23.61			
10	16QAM	1	25	23.62	23.63	23.53		23.53			
10	16QAM	1	49	23.63	23.61	23.51		23.49		23.5	2
10	16QAM	25	0	22.50	22.39	22.31		22.31			
10	16QAM	25	12	22.47	22.40	22.35		22.35			
10	16QAM	25	25	22.42	22.43	22.35		22.35		22.5	3
10	16QAM	50	0	22.47	22.37	22.29		22.29			
10	64QAM	1	0	22.57	22.60	22.48		22.48			
10	64QAM	1	25	22.56	22.46	22.38		22.38		23.5	2
10	64QAM	1	49	22.50	22.50	22.39		22.39			
10	64QAM	25	0	21.49	21.39	21.31		21.31			
10	64QAM	25	12	21.47	21.35	21.29		21.29		22.5	3
10	64QAM	25	25	21.40	21.41	21.31		21.31			
10	64QAM	50	0	21.44	21.36	21.31		21.31			
Channel				26715		26865		27015		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5		831.5		846.5			
5	QPSK	1	0	24.33	24.37	24.22		24.22		25.5	0
5	QPSK	1	12	24.40	24.32	24.20		24.20			
5	QPSK	1	24	24.32	24.27	24.09		24.09			
5	QPSK	12	0	23.46	23.34	23.29		23.29		24.5	1
5	QPSK	12	7	23.48	23.42	23.28		23.28			
5	QPSK	12	13	23.43	23.36	23.24		23.24			
5	QPSK	25	0	23.46	23.33	23.26		23.26		24.5	1
5	16QAM	1	0	23.60	23.58	23.52		23.52			
5	16QAM	1	12	23.64	23.67	23.54		23.54			
5	16QAM	1	24	23.66	23.58	23.50		23.50		23.5	2
5	16QAM	12	0	22.50	22.37	22.31		22.31			
5	16QAM	12	7	22.51	22.43	22.30		22.30			
5	16QAM	12	13	22.47	22.41	22.27		22.27		23.5	2
5	16QAM	25	0	22.49	22.34	22.28		22.28			
5	64QAM	1	0	22.58	22.51	22.45		22.45			
5	64QAM	1	12	22.56	22.42	22.39		22.39		23.5	2
5	64QAM	1	24	22.54	22.49	22.36		22.36			
5	64QAM	12	0	21.53	21.36	21.33		21.33			
5	64QAM	12	7	21.48	21.43	21.29		21.29		22.5	3
5	64QAM	12	13	21.45	21.41	21.29		21.29			
5	64QAM	25	0	21.39	21.30	21.27		21.27			
Channel				26705		26865		27025		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5		831.5		847.5			
3	QPSK	1	0	24.29	24.36	24.14		24.14		25.5	0
3	QPSK	1	8	24.33	24.31	24.20		24.20			
3	QPSK	1	14	24.37	24.27	23.89		23.89			
3	QPSK	8	0	23.40	23.29	23.27		23.27		24.5	1
3	QPSK	8	4	23.42	23.45	23.31		23.31			
3	QPSK	8	7	23.45	23.37	23.24		23.24			
3	QPSK	15	0	23.44	23.40	23.26		23.26		24.5	1
3	16QAM	1	0	23.53	23.60	23.52		23.52			
3	16QAM	1	8	23.61	23.67	23.54		23.54			
3	16QAM	1	14	23.70	23.61	23.55		23.55		23.5	2
3	16QAM	8	0	22.50	22.37	22.33		22.33			
3	16QAM	8	4	22.55	22.51	22.35		22.35			
3	16QAM	8	7	22.49	22.42	22.28		22.28		23.5	2
3	16QAM	15	0	22.50	22.43	22.30		22.30			
3	64QAM	1	0	22.56	22.48	22.39		22.39			
3	64QAM	1	8	22.62	22.55	22.44		22.44		22.5	3
3	64QAM	1	14	22.55	22.57	22.41		22.41			
3	64QAM	8	0	21.51	21.36	21.31		21.31			
3	64QAM	8	4	21.50	21.44	21.31		21.31		22.5	3
3	64QAM	8	7	21.50	21.44	21.08		21.08			
3	64QAM	15	0	21.48	21.38	21.25		21.25			
Channel				26697		26865		27033		Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.7		831.5		848.3			
1.4	QPSK	1	0	24.15	24.30	24.04		24.04		25.5	0
1.4	QPSK	1	3	24.33	24.28	24.16		24.16			
1.4	QPSK	1	5	24.33	24.20	24.03		24.03			
1.4	QPSK	3	0	24.27	24.22	24.07		24.07		24.5	1
1.4	QPSK	3	1	24.31	24.29	24.15		24.15			
1.4	QPSK	3	3	24.30	24.22	24.07		24.07			
1.4	QPSK	6	0	23.37	23.34	23.19		23.19		24.5	1
1.4	16QAM	1	0	23.49	23.52	23.41		23.41			
1.4	16QAM	1	3	23.61	23.64	23.48		23.48			
1.4	16QAM	1	5	23.59	23.56	23.40		23.40		24.5	1
1.4	16QAM	3	0	23.35	23.33	23.19		23.19			
1.4	16QAM	3	1	23.40	23.38	23.26		23.26			
1.4	16QAM	3	3	23.40	23.29	23.14		23.14		23.5	2
1.4	16QAM	6	0	22.50	22.41	22.25		22.25			
1.4	64QAM	1	0	22.47	22.40	22.30		22.30			
1.4	64QAM	1	3	22.56	22.45	22.38		22.38		23.5	2
1.4	64QAM	1	5	22.49	22.39	22.23		22.23			
1.4	64QAM	3	0	22.40	22.30	22.24		22.24			
1.4	64QAM	3	1	22.43	22.48	22.26		22.26		22.5	

Band 38 Ant0 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	24.52	24.64	24.51			
20	QPSK	1	49	24.53	24.60	24.56	24.5	1	
20	QPSK	1	99	24.54	24.57	24.53			
20	QPSK	50	0	23.52	23.75	23.65			
20	QPSK	50	24	23.70	23.66	23.65	24.5	1	
20	QPSK	50	50	23.69	23.68	23.66			
20	QPSK	100	0	23.56	23.67	23.65			
20	16QAM	1	0	23.61	23.66	23.66	24.5	1	
20	16QAM	1	49	23.71	23.68	23.70			
20	16QAM	1	99	23.73	23.71	23.68			
20	16QAM	50	0	22.62	22.70	22.61	23.5	2	
20	16QAM	50	24	22.71	22.72	22.82			
20	16QAM	50	50	22.72	22.73	22.73			
20	16QAM	100	0	22.70	22.60	22.72	23.5	2	
20	64QAM	1	0	22.67	22.61	22.53			
20	64QAM	1	49	22.63	22.63	22.55			
20	64QAM	1	99	22.56	22.58	22.54	22.5	3	
20	64QAM	50	0	21.53	21.63	21.53			
20	64QAM	50	24	21.63	21.65	21.75			
20	64QAM	50	50	21.54	21.67	21.67	22.5	3	
20	64QAM	100	0	21.63	21.75	21.75			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	25.5	0	
15	QPSK	1	0	24.58	24.55	24.54			
15	QPSK	1	37	24.51	24.62	24.47	24.5	1	
15	QPSK	1	74	24.57	24.60	24.54			
15	QPSK	36	0	23.59	23.66	23.70			
15	QPSK	36	20	23.71	23.66	23.64	24.5	1	
15	QPSK	36	39	23.58	23.68	23.64			
15	QPSK	75	0	23.63	23.67	23.66			
15	16QAM	1	0	23.72	23.69	23.76	24.5	1	
15	16QAM	1	37	23.64	23.77	23.80			
15	16QAM	1	74	23.70	23.74	23.68			
15	16QAM	36	0	22.60	22.59	22.62	23.5	2	
15	16QAM	36	20	22.61	22.66	22.66			
15	16QAM	36	39	22.69	22.69	22.64			
15	16QAM	75	0	22.69	22.64	22.66	23.5	2	
15	64QAM	1	0	22.70	22.62	22.55			
15	64QAM	1	37	22.60	22.65	22.48			
15	64QAM	1	74	22.57	22.64	22.53	22.5	3	
15	64QAM	36	0	21.54	21.62	21.65			
15	64QAM	36	20	21.64	21.69	21.70			
15	64QAM	36	39	21.74	21.74	21.69	22.5	3	
15	64QAM	75	0	21.68	21.65	21.66			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	25.5	0	
10	QPSK	1	0	24.56	24.57	24.42			
10	QPSK	1	25	24.40	24.46	24.44	24.5	1	
10	QPSK	1	49	24.50	24.60	24.49			
10	QPSK	25	0	23.63	23.65	23.58			
10	QPSK	25	12	23.64	23.50	23.56	24.5	1	
10	QPSK	25	25	23.47	23.56	23.52			
10	QPSK	50	0	23.61	23.56	23.62			
10	16QAM	1	0	23.56	23.54	23.69	24.5	1	
10	16QAM	1	25	23.56	23.53	23.60			
10	16QAM	1	49	23.54	23.64	23.62			
10	16QAM	25	0	22.59	22.62	22.57	23.5	2	
10	16QAM	25	12	22.63	22.68	22.64			
10	16QAM	25	25	22.65	22.72	22.70			
10	16QAM	50	0	22.68	22.62	22.58	23.5	2	
10	64QAM	1	0	22.44	22.51	22.55			
10	64QAM	1	25	22.25	22.49	22.37			
10	64QAM	1	49	22.43	22.51	22.39	22.5	3	
10	64QAM	25	0	21.57	21.57	21.50			
10	64QAM	25	12	21.60	21.51	21.57			
10	64QAM	25	25	21.49	21.68	21.56	22.5	3	
10	64QAM	50	0	21.52	21.48	21.52			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	25.5	0	
5	QPSK	1	0	24.40	24.58	24.52			
5	QPSK	1	12	24.48	24.61	24.52	24.5	1	
5	QPSK	1	24	24.60	24.38	24.44			
5	QPSK	12	0	23.67	23.63	23.69			
5	QPSK	12	7	23.64	23.62	23.64	24.5	1	
5	QPSK	12	13	23.64	23.65	23.62			
5	QPSK	25	0	23.63	23.61	23.65			
5	16QAM	1	0	23.54	23.49	23.66	24.5	1	
5	16QAM	1	12	23.86	23.67	23.52			
5	16QAM	1	24	23.63	23.68	23.56			
5	16QAM	12	0	22.68	22.55	22.50	23.5	2	
5	16QAM	12	7	22.56	22.54	22.55			
5	16QAM	12	13	22.55	22.75	22.62			
5	16QAM	25	0	22.63	22.71	22.72	23.5	2	
5	64QAM	1	0	22.90	22.72	22.64			
5	64QAM	1	12	22.75	22.80	22.73			
5	64QAM	1	24	22.78	22.61	22.67	22.5	3	
5	64QAM	12	0	21.59	21.65	21.70			
5	64QAM	12	7	21.67	21.65	21.76			
5	64QAM	12	13	21.57	21.74	21.62	22.5	3	
5	64QAM	25	0	21.56	21.47	21.66			

Band 41 Ant0 DS12										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.53	24.61	24.68	24.55	24.59	25.5	0
20	QPSK	1	49	24.58	24.57	24.62	24.63	24.60		
20	QPSK	1	99	24.48	24.53	24.63	24.49	24.57		
20	QPSK	50	0	23.68	23.68	23.81	23.74	23.72	24.5	1
20	QPSK	50	24	23.71	23.72	23.65	23.62	23.69		
20	QPSK	50	50	23.68	23.77	23.76	23.65	23.72		
20	QPSK	100	0	23.71	23.80	23.83	23.69	23.56	24.5	1
20	16QAM	1	0	23.70	23.69	23.85	23.80	23.85		
20	16QAM	1	49	23.65	23.66	23.77	23.69	23.61		
20	16QAM	1	99	23.61	23.69	23.78	23.72	23.65	23.5	2
20	16QAM	50	0	22.67	22.65	22.77	22.72	22.70		
20	16QAM	50	24	22.79	22.78	22.70	22.68	22.78		
20	16QAM	50	50	22.76	22.85	22.81	22.81	22.72	23.5	2
20	16QAM	100	0	22.71	22.78	22.80	22.75	22.56		
20	64QAM	1	0	22.56	22.58	22.73	22.67	22.71		
20	64QAM	1	49	22.50	22.62	22.53	22.53	22.54	23.5	2
20	64QAM	1	99	22.49	22.67	22.64	22.68	22.51		
20	64QAM	50	0	21.50	21.59	21.74	21.64	21.54		
20	64QAM	50	24	21.72	21.73	21.65	21.62	21.62	22.5	3
20	64QAM	50	50	21.70	21.79	21.76	21.63	21.67		
20	64QAM	100	0	21.83	21.81	21.85	21.68	21.70		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	25.50	0
15	QPSK	1	0	24.37	24.55	24.55	24.47	24.43		
15	QPSK	1	37	24.42	24.44	24.49	24.50	24.39		
15	QPSK	1	74	24.38	24.58	24.62	24.42	24.43	24.5	1
15	QPSK	36	0	23.59	23.52	23.59	23.56	23.58		
15	QPSK	36	20	23.56	23.65	23.69	23.48	23.54		
15	QPSK	36	39	23.58	23.70	23.70	23.61	23.46	24.5	1
15	QPSK	75	0	23.67	23.67	23.69	23.59	23.52		
15	16QAM	1	0	23.61	23.70	23.78	23.70	23.56		
15	16QAM	1	37	23.58	23.59	23.60	23.54	23.56	24.5	1
15	16QAM	1	74	23.54	23.64	23.68	23.65	23.51		
15	16QAM	36	0	22.43	22.56	22.61	22.57	22.44		
15	16QAM	36	20	22.59	22.67	22.69	22.59	22.68	23.5	2
15	16QAM	36	39	22.61	22.62	22.63	22.61	22.49		
15	16QAM	75	0	22.66	22.74	22.66	22.54	22.59		
15	64QAM	1	0	22.51	22.66	22.68	22.49	22.64	23.5	2
15	64QAM	1	37	22.45	22.58	22.50	22.42	22.42		
15	64QAM	1	74	22.50	22.53	22.54	22.43	22.44		
15	64QAM	36	0	21.57	21.59	21.63	21.60	21.54	22.5	3
15	64QAM	36	20	21.64	21.71	21.73	21.54	21.61		
15	64QAM	36	39	21.64	21.66	21.67	21.66	21.52		
15	64QAM	75	0	21.67	21.64	21.67	21.55	21.49		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	25.50	0
10	QPSK	1	0	24.41	24.53	24.55	24.41	24.53		
10	QPSK	1	25	24.36	24.51	24.50	24.35	24.57		
10	QPSK	1	49	24.49	24.58	24.54	24.53	24.54	24.5	1
10	QPSK	25	0	23.62	23.58	23.57	23.41	23.38		
10	QPSK	25	12	23.59	23.60	23.55	23.58	23.57		
10	QPSK	25	25	23.62	23.56	23.59	23.61	23.52	24.5	1
10	QPSK	50	0	23.56	23.64	23.69	23.61	23.45		
10	16QAM	1	0	23.52	23.64	23.73	23.57	23.63		
10	16QAM	1	25	23.34	23.61	23.38	23.51	23.40	24.5	1
10	16QAM	1	49	23.46	23.56	23.58	23.56	23.42		
10	16QAM	25	0	22.43	22.58	22.46	22.55	22.38		
10	16QAM	25	12	22.70	22.69	22.62	22.65	22.59	23.5	2
10	16QAM	25	25	22.63	22.64	22.64	22.68	22.62		
10	16QAM	50	0	22.76	22.73	22.57	22.59	22.55		
10	64QAM	1	0	22.50	22.44	22.42	22.45	22.66	23.5	2
10	64QAM	1	25	22.39	22.33	22.54	22.29	22.36		
10	64QAM	1	49	22.49	22.45	22.46	22.45	22.38		
10	64QAM	25	0	21.58	21.54	21.59	21.53	21.52	22.5	3
10	64QAM	25	12	21.55	21.65	21.57	21.49	21.54		
10	64QAM	25	25	21.50	21.61	21.61	21.54	21.56		
10	64QAM	50	0	21.51	21.47	21.61	21.43	21.49		
Channel				39675	40148	40620	41093	41585	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	25.50	0
5	QPSK	1	0	24.32	24.32	24.62	24.58	24.51		
5	QPSK	1	12	24.52	24.41	24.58	24.53	24.63		
5	QPSK	1	24	24.64	24.52	24.39	24.41	24.66	24.5	1
5	QPSK	12	0	23.77	23.63	23.79	23.73	23.73		
5	QPSK	12	7	23.78	23.83	23.88	23.81	23.68		
5	QPSK	12	13	23.63	23.77	23.80	23.73	23.64	24.5	1
5	QPSK	25	0	23.76	23.75	23.79	23.71	23.75		
5	16QAM	1	0	23.67	23.67	23.76	23.61	23.65		
5	16QAM	1	12	23.99	23.71	23.74	24.01	23.71	24.5	1
5	16QAM	1	24	23.91	23.83	23.73	23.94	23.62		
5	16QAM	12	0	22.63	22.58	22.73	22.66	22.77		
5	16QAM	12	7	22.64	22.78	22.70	22.74	22.73	23.5	2
5	16QAM	12	13	22.78	22.81	22.82	22.84	22.69		
5	16QAM	25	0	22.79	22.84	22.88	22.80	22.68		
5	64QAM	1	0	22.57	22.52	22.77	22.70	22.82	23.5	2
5	64QAM	1	12	22.69	22.69	22.73	22.74	22.68		
5	64QAM	1	24	22.68	22.84	22.86	22.68	22.65		
5	64QAM	12	0	21.72	21.78	21.81	21.74	21.65	22.5	3
5	64QAM	12	7	21.74	21.80	21.92	21.84	21.82		
5	64QAM	12	13	21.69	21.81	21.82	21.75	21.67		
5	64QAM	25	0	21.73	21.79	21.81	21.65	21.71		

GSM850 Ant4 DS12							
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
TX Channel	128	189	251	128	189	251	Tune-up Limit (dBm)
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	
GSM 1 Tx slot	32.14	32.27	32.11	33.50	23.14	23.27	23.11
GPRS 1 Tx slot	32.19	32.24	31.97	33.50	23.19	23.24	22.97
GPRS 2 Tx slots	29.66	29.59	29.46	30.50	23.66	23.59	23.46
GPRS 3 Tx slots	27.64	27.44	27.85	28.50	23.38	23.18	23.59
GPRS 4 Tx slots	26.48	26.54	26.45	27.50	23.48	23.54	23.45
EDGE 1 Tx slot	26.11	26.00	25.97	27.50	17.11	17.00	16.97
EDGE 2 Tx slots	23.36	23.54	23.16	24.50	17.36	17.54	17.16
EDGE 3 Tx slots	21.47	21.55	21.29	23.00	17.21	17.29	17.03
EDGE 4 Tx slots	20.09	20.40	20.13	21.50	17.09	17.40	17.13

GSM1900 Ant4 DS12								
GSM1900	Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			
TX Channel	512	661	810	Limit (dBm)	512	661	810	
Frequency (MHz)	1850.2	1850	1900.8	1850.2	1850	1900.8	1900.8	
GSM 1 Tx slot	28.99	28.88	28.84	30.50	19.99	19.98	19.94	21.50
GPRS 1 Tx slot	29.04	28.89	28.79	30.50	20.04	19.89	19.79	21.50
GPRS 2 Tx slots	26.39	26.52	26.51	27.50	20.39	20.52	20.51	21.50
GPRS 3 Tx slots	24.31	24.38	24.04	25.50	20.05	20.12	20.78	21.24
GPRS 4 Tx slots	22.87	23.10	22.81	24.50	19.87	20.10	19.81	21.50
EDGE 1 Tx slot	24.76	24.91	24.63	26.50	15.76	15.91	15.63	17.50
EDGE 2 Tx slots	22.18	22.25	22.24	24.00	16.18	16.25	16.24	18.00
EDGE 3 Tx slots	19.51	19.57	19.54	21.50	15.25	15.31	15.28	17.24
EDGE 4 Tx slots	19.29	19.04	19.40	20.50	16.29	16.04	16.40	17.50

WCDMA II Ant4 DS12				WCDMA IV Ant4 DS12				WCDMA V Ant4 DS12			
Band		WCDMA II		Tune-up Limit (dBm)	WCDMA IV		Tune-up Limit (dBm)	WCDMA V		Tune-up Limit (dBm)	
TX Channel		9262	9400		1312	1413		4132	4182		
Rx Channel		9662	9800		1537	1638		4357	4407		
Frequency (MHz)		1852.4	1880		1712.4	1732.6		826.4	836.4		
3GPP Rel 99	AMR 12.2Kbps	23.28	23.34	23.19	24.50	23.75	23.78	23.80	24.50	24.70	24.71
3GPP Rel 99	RMC 12.2Kbps	23.31	23.36	23.20	24.50	23.73	23.83	23.81	24.50	24.71	24.73
3GPP Rel 6	HS-DPA Subtest-1	22.33	22.38	22.21	23.50	22.83	22.89	22.90	23.50	23.82	23.80
3GPP Rel 6	HS-DPA Subtest-2	22.35	22.36	22.23	23.50	22.87	22.89	22.92	23.50	23.78	23.79
3GPP Rel 6	HS-DPA Subtest-3	21.83	21.85	21.71	23.00	22.35	22.40	22.06	23.00	23.28	23.32
3GPP Rel 6	HS-DPA Subtest-4	21.86	21.86	21.67	23.00	22.32	22.38	22.44	23.00	23.28	22.95
3GPP Rel 8	DC-HSDPA Subtest-1	22.36	22.48	22.11	23.50	22.85	22.83	22.84	23.50	23.81	23.88
3GPP Rel 8	DC-HSDPA Subtest-2	22.25	22.46	22.26	23.50	22.77	22.82	22.81	23.50	23.80	23.76
3GPP Rel 8	DC-HSDPA Subtest-3	21.78	21.90	21.65	23.00	22.37	22.36	22.01	23.00	23.27	23.22
3GPP Rel 6	DC-HSDPA Subtest-4	21.96	21.96	21.60	23.00	22.31	22.49	22.50	23.00	23.29	23.00
3GPP Rel 6	HSUPA Subtest-1	22.31	22.36	22.20	23.50	22.86	22.86	22.90	23.50	23.74	23.72
3GPP Rel 6	HSUPA Subtest-2	20.25	20.28	20.19	21.50	20.83	20.78	20.79	21.50	21.74	21.70
3GPP Rel 6	HSUPA Subtest-3	21.29	21.33	21.22	22.50	21.84	21.90	21.88	22.50	22.71	22.73
3GPP Rel 6	HSUPA Subtest-4	20.30	20.35	20.28	21.50	20.84	20.89	20.87	21.50	21.72	21.77
3GPP Rel 6	HSUPA Subtest-5	22.30	22.25	22.20	23.50	22.80	22.85	22.90	23.50	23.70	23.65



Band 2 Ant4 DS12																
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	22.21	22.53	22.27	23.5	0								
20	QPSK	1	49	22.31	22.41	22.36										
20	QPSK	1	99	22.26	22.21	22.17										
20	QPSK	50	0	21.37	21.38	21.26	22.5	1								
20	QPSK	50	24	21.35	21.29	21.31										
20	QPSK	50	50	21.29	21.29	21.12										
20	QPSK	100	0	21.30	21.39	21.22	22.5	1								
20	16QAM	1	0	21.45	21.65	21.36										
20	16QAM	1	49	21.61	21.45	21.52										
20	16QAM	1	99	21.31	21.56	21.44	21.5	2								
20	16QAM	50	24	20.69	20.61	20.65										
20	16QAM	50	50	20.66	20.62	20.54										
20	16QAM	100	0	20.62	20.59	20.57	20.5	3								
20	64QAM	1	0	20.44	20.57	20.22										
20	64QAM	1	49	20.22	20.32	20.60										
20	64QAM	1	99	20.29	20.25	20.46	21.5	2								
20	64QAM	50	24	20.69	20.61	20.65										
20	64QAM	50	50	20.66	20.62	20.54										
20	64QAM	100	0	20.62	20.59	20.57	20.5	3								
20	64QAM	1	0	20.44	20.57	20.22										
20	64QAM	1	49	20.22	20.32	20.60										
20	64QAM	1	99	20.29	20.25	20.46	21.5	2								
20	64QAM	50	24	20.69	20.61	20.65										
20	64QAM	50	50	20.66	20.62	20.54										
20	64QAM	100	0	20.62	20.59	20.57	20.5	3								
20	64QAM	1	0	20.44	20.57	20.22										
20	64QAM	1	49	20.22	20.32	20.60										
20	64QAM	1	99	20.29	20.25	20.46	21.5	2								
20	64QAM	50	24	20.69	20.61	20.65										
20	64QAM	50	50	20.66	20.62	20.54										
20	64QAM	100	0	20.62	20.59	20.57	20.5	3								
20	64QAM	1	0	20.44	20.57	20.22										
20	64QAM	1	49	20.22	20.32	20.60										
20	64QAM	1	99	20.29	20.25	20.46	21.5	2								
20	64QAM	50	24	20.69	20.61	20.65										
20	64QAM	50	50	20.66	20.62	20.54										
20	64QAM	100	0	20.62	20.59	20.57	20.5	3								
20	64QAM	1	0	20.44	20.57	20.22										
20	64QAM	1	49	20.22	20.32	20.60										
20	64QAM	1	99	20.29	20.25	20.46	21.5	2								
20	64QAM	50	24	20.69	20.61	20.65										
20	64QAM	50	50	20.66	20.62	20.54										
20	64QAM	100	0	20.62	20.59	20.57	20.5	3								
20	64QAM	1	0	20.44	20.57	20.22										
20	64QAM	1	49	20.22	20.32	20.60										
20	64QAM	1	99	20.29	20.25	20.46	21.5	2								
20	64QAM	50	24	20.69	20.61	20.65										
20	64QAM	50	50	20.66	20.62	20.54										
20	64QAM	100	0	20.62	20.59	20.57	20.5	3								
20	64QAM	1	0	20.44	20.57	20.22										
20	64QAM	1	49	20.22	20.32	20.60										
20	64QAM	1	99	20.29	20.25	20.46	21.5	2								
20	64QAM	50	24	20.69	20.61	20.65										
20	64QAM	50	50	20.66	20.62	20.54										
20	64QAM	100	0	20.62	20.59	20.57	20.5	3								
20	64QAM	1	0	20.44	20.57	20.22										
20	64QAM	1	49	20.22	20.32	20.60										
20	64QAM	1	99	20.29	20.25	20.46	21.5	2								
20	64QAM	50	24	20.69	20.61	20.65										
20	64QAM	50	50	20.66	20.62	20.54										
20	64QAM	100	0	20.62	20.59	20.57	20.5	3								
20	64QAM	1	0	20.44	20.57	20.22										
20	64QAM	1	49	20.22	20.32	20.60										
20	64QAM	1	99	20.29	20.25	20.46	21.5	2								
20	64QAM	50	24	20.69	20.61	20.65										
20	64QAM	50	50	20.66	20.62	20.54										
20	64QAM	100	0	20.62	20.59	20.57	20.5	3								
20	64QAM	1	0	20.44	20.57	20.22										
20	64QAM	1	49	20.22	20.32	20.60										
20	64QAM	1	99	20.29	20.25	20.46	21.5	2								
20	64QAM	50	24	20.69	20.61	20.65										
20	64QAM	50	50	20.66	20.62	20.54										
20	64QAM	100	0	20.62	20.59	20.57	20.5	3								
20	64QAM	1	0	20.44	20.57	20.22										
20	64QAM	1	49	20.22	20.32	20.60										
20	64QAM	1	99	20.29	20.25	20.46	21.5	2								
20	64QAM	50	24	20.69	20.61	20.65										
20	64QAM	50	50	20.66	20.62	20.54										
20	64QAM	100	0	20.62	20.59	20.57	20.5	3								
20	64QAM	1	0	20.44	20.57	20.22										
20	64QAM	1	49	20.22	20.32	20.60										
20	64QAM	1	99	20.29	20.25	20.46	21.5	2								
20	64QAM	50	24	20.69	20.61	20.65										
20	64QAM	50	50	20.66	20.62	20.54										
20	64QAM	100	0	20.62	20.59	20.57	20.5	3								
20	64QAM	1	0	20.44	20.57	20.22										
20	64QAM	1	49	20.22	20.32	20.60										
20	64QAM	1	99	20.29	20.25	20.46	21.5	2								
20	64QAM	50	24	20.69	20.61	20.65										
20	64QAM	50	50	20.66	20.62	20.54										
20	64QAM	100	0	20.62	20.59	20.57	20.5	3								
20	64QAM	1	0	20.44	20.57	20.22										
20	64QAM	1	49	20.22	20.32	20.60										
20	64QAM	1	99	20.29	20.25	20.46	21.5	2								
20	64QAM	50	24	20.69	20.61	20.65										
20	64QAM	50	50	20.66	20.62	20.54										

Band 7 Ant4 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.56	22.67	22.35			
20	QPSK	1	49	22.35	22.46	22.34	23.5	0	
20	QPSK	1	99	22.38	22.46	22.42			
20	QPSK	50	0	21.38	21.65	21.42	22.5	1	
20	QPSK	50	24	21.46	21.56	21.56			
20	QPSK	50	50	21.47	21.55	21.49			
20	QPSK	100	0	21.45	21.52	21.40			
20	16QAM	1	0	21.71	21.79	21.83	22.5	1	
20	16QAM	1	49	21.91	21.97	21.61			
20	16QAM	1	99	21.98	21.75	21.63			
20	16QAM	50	0	20.40	20.49	20.43	21.5	2	
20	16QAM	50	24	20.48	20.45	20.44			
20	16QAM	50	50	20.57	20.53	20.63			
20	16QAM	100	0	20.50	20.54	20.50			
20	64QAM	1	0	20.61	20.55	20.48	21.5	2	
20	64QAM	1	49	20.47	20.51	20.77			
20	64QAM	1	99	20.48	20.77	20.78			
20	64QAM	50	0	19.35	19.43	19.44	20.5	3	
20	64QAM	50	24	19.54	19.44	19.60			
20	64QAM	50	50	19.49	19.50	19.68			
20	64QAM	100	0	19.59	19.48	19.50			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.34	22.62	22.28	23.5	0	
15	QPSK	1	37	22.37	22.32	22.56			
15	QPSK	1	74	22.44	22.45	22.43			
15	QPSK	36	0	21.47	21.58	21.50	22.5	1	
15	QPSK	36	20	21.48	21.46	21.51			
15	QPSK	36	39	21.49	21.51	21.58			
15	QPSK	75	0	21.56	21.49	21.54			
15	16QAM	1	0	21.49	21.79	21.72	22.5	1	
15	16QAM	1	37	21.52	21.48	21.48			
15	16QAM	1	74	21.59	21.50	21.70			
15	16QAM	36	0	20.50	20.40	20.56	21.5	2	
15	16QAM	36	20	20.46	20.43	20.59			
15	16QAM	36	39	20.57	20.55	20.62			
15	16QAM	75	0	20.51	20.46	20.51	21.5	2	
15	64QAM	1	0	20.45	20.59	20.73			
15	64QAM	1	37	20.58	20.64	20.81			
15	64QAM	1	74	20.47	20.75	20.82	20.5	3	
15	64QAM	36	0	19.47	19.50	19.53			
15	64QAM	36	20	19.45	19.52	19.49			
15	64QAM	36	39	19.55	19.56	19.49			
15	64QAM	75	0	19.44	19.38	19.50			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.32	22.65	22.40	23.5	0	
10	QPSK	1	25	22.46	22.51	22.66			
10	QPSK	1	49	22.43	22.58	22.52			
10	QPSK	25	0	21.64	21.56	21.63	22.5	1	
10	QPSK	25	12	21.53	21.67	21.69			
10	QPSK	25	25	21.57	21.75	21.82			
10	QPSK	50	0	21.56	21.55	21.64	22.5	1	
10	16QAM	1	0	21.59	21.55	21.44			
10	16QAM	1	25	21.76	21.65	21.53			
10	16QAM	1	49	21.72	21.70	21.68	21.5	2	
10	16QAM	25	0	20.58	20.58	20.42			
10	16QAM	25	12	20.58	20.46	20.28			
10	16QAM	25	25	20.52	20.40	20.60			
10	16QAM	50	0	20.59	20.56	20.70	21.5	2	
10	64QAM	1	0	20.47	20.55	20.31			
10	64QAM	1	25	20.57	20.34	20.54	21.5	2	
10	64QAM	1	49	20.45	20.38	20.56			
10	64QAM	25	0	19.58	19.46	19.68	20.5	3	
10	64QAM	25	12	19.66	19.72	19.76			
10	64QAM	25	25	19.65	19.71	19.76			
10	64QAM	50	0	19.57	19.43	19.70			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.45	22.62	22.54	23.5	0	
5	QPSK	1	12	22.33	22.36	22.47			
5	QPSK	1	24	22.55	22.62	22.58			
5	QPSK	12	0	21.51	21.58	21.64	22.5	1	
5	QPSK	12	7	21.69	21.67	21.77			
5	QPSK	12	13	21.64	21.65	21.77			
5	QPSK	25	0	21.56	21.66	21.79	22.5	1	
5	16QAM	1	0	21.62	21.66	21.50			
5	16QAM	1	12	21.42	21.74	21.69	22.5	1	
5	16QAM	1	24	21.74	21.60	21.51			
5	16QAM	12	0	20.57	20.43	20.77	21.5	2	
5	16QAM	12	7	20.72	20.71	20.75			
5	16QAM	12	13	20.74	20.79	20.68			
5	16QAM	25	0	20.57	20.58	20.74	21.5	2	
5	64QAM	1	0	20.56	20.47	20.74			
5	64QAM	1	12	20.69	20.61	20.53			
5	64QAM	1	24	20.78	20.74	20.61	21.5	2	
5	64QAM	12	0	19.53	19.57	19.56			
5	64QAM	12	7	19.56	19.52	19.68	20.5	3	
5	64QAM	12	13	19.46	19.72	19.59			
5	64QAM	25	0	19.49	19.55	19.82			

Band 12 Ant4 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				23600	23905	23130			
10	QPSK	1	0	24.58	24.76	24.57			
10	QPSK	1	25	24.54	24.54	24.37	25.5		0
10	QPSK	1	49	24.58	24.60	24.61			
10	QPSK	25	0	23.57	23.76	23.63			
10	QPSK	25	12	23.76	23.81	23.47	24.5		1
10	QPSK	25	25	23.65	23.61	23.55			
10	QPSK	50	0	23.70	23.73	23.68			
10	16QAM	1	0	24.13	23.82	23.76			
10	16QAM	1	25	23.76	24.06	23.74	24.5		1
10	16QAM	1	49	23.75	23.83	24.08			
10	16QAM	25	0	22.66	22.56	22.58			
10	16QAM	25	12	22.81	22.75	22.50	23.5		2
10	16QAM	25	25	22.69	22.58	22.80			
10	16QAM	50	0	22.70	22.65	22.66			
10	64QAM	1	0	22.71	22.72	22.66	23.5		2
10	64QAM	1	25	22.59	22.75	22.63			
10	64QAM	1	49	22.61	22.88	22.61			
10	64QAM	25	0	21.69	21.62	21.56	22.5		3
10	64QAM	25	12	21.79	21.62	21.72			
10	64QAM	25	25	21.64	21.59	21.73			
10	64QAM	50	0	21.71	21.56	21.49			
Channel									
Frequency (MHz)				23035	23095	23155	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				701.5	707.5	715.5			
5	QPSK	1	0	24.50	24.75	24.70			
5	QPSK	1	12	24.71	24.68	24.61	25.5		0
5	QPSK	1	24	24.72	24.74	24.66			
5	QPSK	12	0	23.79	23.81	23.78			
5	QPSK	12	7	23.77	23.83	23.79	24.5		1
5	QPSK	12	13	23.89	23.80	23.72			
5	QPSK	25	0	23.86	23.75	23.77			
5	16QAM	1	0	23.83	23.76	23.85	24.5		1
5	16QAM	1	12	23.86	23.77	23.83			
5	16QAM	1	24	23.73	23.87	23.86			
5	16QAM	12	0	22.86	22.82	22.72			
5	16QAM	12	7	22.77	22.86	22.88	23.5		2
5	16QAM	12	13	22.67	22.79	22.75			
5	16QAM	25	0	22.86	22.72	22.67	23.5		2
5	64QAM	1	0	23.07	22.89	23.02			
5	64QAM	1	12	22.75	22.90	22.98	23.5		2
5	64QAM	1	24	22.81	23.07	23.10			
5	64QAM	12	0	21.86	21.75	21.69	22.5		3
5	64QAM	12	7	22.02	21.74	21.85			
5	64QAM	12	13	21.73	21.85	21.69			
5	64QAM	25	0	21.78	21.73	21.66			
Channel									
Frequency (MHz)				23025	23095	23165	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.54	24.72	24.55			
3	QPSK	1	8	24.64	24.66	24.50	25.5		0
3	QPSK	1	14	24.75	24.45	24.58			
3	QPSK	8	0	23.71	23.65	23.67	24.5		1
3	QPSK	8	4	23.77	23.70	23.63			
3	QPSK	8	7	23.79	23.65	23.68			
3	QPSK	15	0	23.74	23.62	23.55			
3	16QAM	1	0	23.42	23.79	23.62	24.5		1
3	16QAM	1	8	23.58	23.61	23.72			
3	16QAM	1	14	23.67	23.59	23.78			
3	16QAM	8	0	22.72	22.63	22.46	23.5		2
3	16QAM	8	4	22.85	22.76	22.79			
3	16QAM	15	0	22.81	22.63	22.64			
3	64QAM	1	0	22.82	22.81	22.55	23.5		2
3	64QAM	1	8	22.61	22.75	22.59			
3	64QAM	1	14	22.71	22.82	22.67			
3	64QAM	8	0	21.76	21.67	21.70	22.5		3
3	64QAM	8	4	21.84	21.85	21.83			
3	64QAM	8	7	21.74	21.54	21.72			
3	64QAM	15	0	21.86	21.62	21.51			
Channel									
Frequency (MHz)				23071	23095	23151	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				709.5	707.5	715.3			
1.4	QPSK	1	0	24.62	24.70	24.62			
1.4	QPSK	1	3	24.65	24.57	24.40	25.5		0
1.4	QPSK	1	5	24.48	24.40	24.53			
1.4	QPSK	3	0	24.65	24.57	24.42			
1.4	QPSK	3	1	24.74	24.60	24.58			
1.4	QPSK	3	3	24.53	24.44	24.51	24.5		1
1.4	QPSK	6	0	23.71	23.50	23.53			
1.4	16QAM	1	0	23.94	23.84	23.84			
1.4	16QAM	1	3	23.65	23.86	23.90			
1.4	16QAM	1	5	23.74	23.80	23.81	24.5		1
1.4	16QAM	3	0	23.81	23.71	23.66			
1.4	16QAM	3	1	23.67	23.90	23.79			
1.4	16QAM	3	3	23.77	23.78	23.80	23.5		2
1.4	16QAM	6	0	22.67	22.50	22.46			
1.4	64QAM	1	0	22.84	22.69	22.98			
1.4	64QAM	1	3	23.03	23.00	22.71			
1.4	64QAM	1	5	22.76	22.64	22.82	23.5		2
1.4	64QAM	3	0	22.74	22.69	22.78			
1.4	64QAM	3	1	22.52	22.68	22.67			
1.4	64QAM	3	3	22.58	22.61	22.80			
1.4	64QAM	6	0	21.60	21.59	21.53	22.5		3

Band 26 Ant4 DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.42	24.40	24.38	25.5	0	
15	QPSK	1	37	24.36	24.30	24.34			
15	QPSK	1	74	24.38	24.28	24.23			
15	QPSK	36	0	23.52	23.54	23.26	24.5	1	
15	QPSK	36	20	23.30	23.49	23.26			
15	QPSK	36	39	23.31	23.28	23.38			
15	QPSK	75	0	23.38	23.49	23.43	24.5	1	
15	16QAM	1	0	23.35	23.48	23.38			
15	16QAM	1	37	23.24	23.38	23.34			
15	16QAM	1	74	23.29	23.46	23.19	23.5	2	
15	16QAM	36	0	22.44	22.38	22.28			
15	16QAM	36	20	22.40	22.33	22.17			
15	16QAM	36	39	22.35	22.38	22.17	23.5	2	
15	16QAM	75	0	22.42	22.37	22.28			
15	64QAM	1	0	22.32	22.54	22.38			
15	64QAM	1	37	22.21	22.35	22.20	23.5	2	
15	64QAM	1	74	22.33	22.41	22.31			
15	64QAM	36	0	21.43	21.55	21.49			
15	64QAM	36	20	21.33	21.32	21.35	22.5	3	
15	64QAM	36	39	21.36	21.29	21.28			
15	64QAM	75	0	21.32	21.47	21.47			
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.37	24.35	24.35	25.5	0	
10	QPSK	1	25	24.21	24.21	24.25			
10	QPSK	1	49	24.25	24.26	24.07			
10	QPSK	25	0	23.39	23.45	23.11	24.5	1	
10	QPSK	25	12	23.23	23.44	23.23			
10	QPSK	25	25	23.12	23.10	23.35			
10	QPSK	50	0	23.36	23.43	23.32	24.5	1	
10	16QAM	1	0	23.35	23.32	23.20			
10	16QAM	1	25	23.18	23.18	23.18			
10	16QAM	1	49	23.09	23.42	23.07	23.5	2	
10	16QAM	25	0	22.40	22.18	22.21			
10	16QAM	25	12	22.21	22.28	22.07			
10	16QAM	25	25	22.27	22.19	22.09	23.5	2	
10	16QAM	50	0	22.33	22.36	22.16			
10	64QAM	1	0	22.28	22.35	22.26			
10	64QAM	1	25	22.04	22.27	22.15	23.5	2	
10	64QAM	1	49	22.13	22.33	22.14			
10	64QAM	25	0	21.41	21.38	21.39			
10	64QAM	25	12	21.29	21.16	21.20	22.5	3	
10	64QAM	25	25	21.26	21.28	21.18			
10	64QAM	50	0	21.16	21.43	21.34			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.32	24.39	24.22	25.5	0	
5	QPSK	1	12	24.29	24.24	24.41			
5	QPSK	1	24	24.25	24.20	24.20			
5	QPSK	12	0	23.35	23.54	23.22	24.5	1	
5	QPSK	12	7	23.29	23.45	23.32			
5	QPSK	12	13	23.16	23.19	23.29			
5	QPSK	25	0	23.30	23.37	23.54	24.5	1	
5	16QAM	1	0	23.24	23.32	23.39			
5	16QAM	1	12	23.22	23.34	23.37			
5	16QAM	1	24	23.12	23.33	23.12	23.5	2	
5	16QAM	12	0	22.30	22.41	22.28			
5	16QAM	12	7	22.40	22.33	22.12			
5	16QAM	12	13	22.20	22.25	22.08	23.5	2	
5	16QAM	25	0	22.49	22.30	22.23			
5	64QAM	1	0	22.31	22.51	22.44			
5	64QAM	1	12	22.27	22.31	22.23	23.5	2	
5	64QAM	1	24	22.20	22.38	22.25			
5	64QAM	12	0	21.34	21.43	21.48			
5	64QAM	12	7	21.32	21.32	21.40	22.5	3	
5	64QAM	12	13	21.32	21.33	21.11			
5	64QAM	25	0	21.22	21.40	21.48			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.43	24.33	24.42	25.5	0	
3	QPSK	1	8	24.21	24.14	24.57			
3	QPSK	1	14	24.39	24.33	24.10			
3	QPSK	8	0	23.43	23.41	23.31	24.5	1	
3	QPSK	8	4	23.21	23.49	23.12			
3	QPSK	8	7	23.21	23.34	23.25			
3	QPSK	15	0	23.30	23.30	23.33	24.5	1	
3	16QAM	1	0	23.21	23.41	23.32			
3	16QAM	1	8	23.13	23.34	23.39			
3	16QAM	1	14	23.24	23.41	23.22	23.5	2	
3	16QAM	8	0	22.38	22.30	22.20			
3	16QAM	8	4	22.28	22.18	22.07			
3	16QAM	8	7	22.28	22.24	22.17	23.5	2	
3	16QAM	15	0	22.46	22.36	22.31			
3	64QAM	1	0	22.22	22.37	22.40			
3	64QAM	1	8	22.26	22.23	22.13	23.5	2	
3	64QAM	1	14	22.34	22.36	22.22			
3	64QAM	8	0	21.40	21.41	21.55			
3	64QAM	8	4	21.19	21.21	21.22	22.5	3	
3	64QAM	8	7	21.43	21.28	21.24			
3	64QAM	15	0	21.34	21.40	21.43			
Channel				26897	26855	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.42	24.46	24.31	25.5	0	
1.4	QPSK	1	3	24.25	24.29	24.28			
1.4	QPSK	1	5	24.23	24.42	24.10			
1.4	QPSK	3	0	24.32	24.43	24.28	24.5	1	
1.4	QPSK	3	1	24.27	24.41	24.26			
1.4	QPSK	3	3	24.40	24.38	24.15			
1.4	QPSK	6	0	23.52	23.34	23.28	24.5	1	
1.4	16QAM	1	0	23.33	23.35	23.15			
1.4	16QAM	1	3	23.17	23.20	23.16			
1.4	16QAM	1	5	23.02	23.21	23.06	24.5	1	
1.4	16QAM	3	0	23.23	23.25	23.21			
1.4	16QAM	3	1	23.26	23.42	23.06			
1.4	16QAM	3	3	23.31	23.18	23.06	23.5	2	
1.4	16QAM	6	0	22.47	22.23	22.18			
1.4	64QAM	1	0	22.33	22.40	22.42			
1.4	64QAM	1	3	22.33	22.27	22.17	23.5	2	
1.4	64QAM	1	5	22.26	22.38	22.04			
1.4	64QAM	3	0	22.39	22.36	22.38			
1.4	64QAM	3	1	22.34	22.45	22.26	22.5	3	
1.4	64QAM	3	3	22.42	22.30	22.17			
1.4	64QAM	6	0	21.51	21.28	21.18			

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	23.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.63	22.85	22.64	22.5	1	
20	QPSK	1	49	22.71	22.57	22.79			
20	QPSK	1	99	22.67	22.55	22.54			
20	QPSK	50	0	21.54	21.74	21.65			
20	QPSK	50	24	21.66	21.66	21.70	22.5	1	
20	QPSK	50	50	21.57	21.60	21.70			
20	QPSK	100	0	21.63	21.76	21.68			
20	16QAM	1	0	21.63	21.75	21.69			
20	16QAM	1	49	21.70	21.73	21.76	22.5	1	
20	16QAM	1	99	21.67	21.69	21.60			
20	16QAM	50	0	20.54	20.72	20.62			
20	16QAM	50	24	20.64	20.72	20.81			
20	16QAM	50	50	20.59	20.80	20.78	21.5	2	
20	16QAM	100	0	20.64	20.62	20.74			
20	64QAM	1	0	20.84	20.88	20.81			
20	64QAM	1	49	20.96	20.92	20.88			
20	64QAM	1	99	20.86	20.73	20.71	20.5	3	
20	64QAM	50	0	19.70	19.71	19.71			
20	64QAM	50	24	19.83	19.80	19.82			
20	64QAM	50	50	19.66	19.89	19.87			
20	64QAM	100	0	19.82	19.89	19.94	Tune-up limit (dBm)	MPR (dB)	
Channel				37825	38000	38175	23.5	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.48	22.63	22.49	22.5	1	
15	QPSK	1	37	22.70	22.69	22.68			
15	QPSK	1	74	22.67	22.63	22.48			
15	QPSK	36	0	21.60	21.66	21.63			
15	QPSK	36	20	21.68	21.66	21.63	22.5	1	
15	QPSK	36	39	21.62	21.69	21.66			
15	QPSK	75	0	21.61	21.69	21.64			
15	16QAM	1	0	21.63	21.67	21.63			
15	16QAM	1	37	21.69	21.81	21.75	22.5	1	
15	16QAM	1	74	21.64	21.79	21.73			
15	16QAM	36	0	20.54	20.60	20.66			
15	16QAM	36	20	20.62	20.78	20.65			
15	16QAM	36	39	20.65	20.73	20.69	21.5	2	
15	16QAM	75	0	20.67	20.67	20.63			
15	64QAM	1	0	20.79	20.99	20.75			
15	64QAM	1	37	20.82	20.87	20.67			
15	64QAM	1	74	20.77	20.81	20.64	20.5	3	
15	64QAM	36	0	19.72	19.78	19.74			
15	64QAM	36	20	19.90	19.77	19.84			
15	64QAM	36	39	19.83	19.91	19.78			
15	64QAM	75	0	19.84	19.89	19.76	Tune-up limit (dBm)	MPR (dB)	
Channel				37800	38000	38200	23.5	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	22.84	22.52	22.75	22.5	1	
10	QPSK	1	25	22.53	22.66	22.69			
10	QPSK	1	49	22.58	22.68	22.70			
10	QPSK	25	0	21.81	21.77	21.72			
10	QPSK	25	12	21.81	21.78	21.75	22.5	1	
10	QPSK	25	25	21.81	21.77	21.70			
10	QPSK	50	0	21.79	21.74	21.81			
10	16QAM	1	0	21.75	21.78	21.73			
10	16QAM	1	25	21.82	21.92	21.67	22.5	1	
10	16QAM	1	49	21.73	21.76	21.76			
10	16QAM	25	0	20.72	20.86	20.80			
10	16QAM	25	12	20.82	20.86	20.84			
10	16QAM	25	25	20.81	20.86	20.79	21.5	2	
10	16QAM	50	0	20.76	20.74	20.69			
10	64QAM	1	0	20.64	20.75	20.69			
10	64QAM	1	25	20.69	20.90	20.56			
10	64QAM	1	49	20.81	20.83	20.53	21.5	2	
10	64QAM	25	0	19.76	19.64	19.74			
10	64QAM	25	12	19.68	19.81	19.78			
10	64QAM	25	25	19.77	19.73	19.74			
10	64QAM	50	0	19.72	19.77	19.75	Tune-up limit (dBm)	MPR (dB)	
Channel				37775	38000	38225	23.5	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	22.71	22.69	22.82	22.5	1	
5	QPSK	1	12	22.76	22.54	22.56			
5	QPSK	1	24	22.59	22.81	22.53			
5	QPSK	12	0	21.80	21.77	21.80			
5	QPSK	12	7	21.77	21.73	21.75	22.5	1	
5	QPSK	12	13	21.68	21.82	21.73			
5	QPSK	25	0	21.76	21.83	21.75			
5	16QAM	1	0	21.67	21.75	21.77			
5	16QAM	1	12	21.51	21.76	21.89	22.5	1	
5	16QAM	1	24	21.63	21.79	22.01			
5	16QAM	12	0	20.64	20.61	20.84			
5	16QAM	12	7	20.73	20.76	20.79			
5	16QAM	12	13	20.72	20.76	20.85	21.5	2	
5	16QAM	25	0	20.70	20.74	20.84			
5	64QAM	1	0	20.77	20.54	20.58			
5	64QAM	1	12	20.77	20.64	20.67			
5	64QAM	1	24	20.79	20.85	20.66	20.5	3	
5	64QAM	12	0	19.75	19.72	19.72			
5	64QAM	12	7	19.83	19.79	19.79			
5	64QAM	12	13	19.71	19.76	19.85			
5	64QAM	25	0	19.72	19.61	19.88	Tune-up limit (dBm)	MPR (dB)	
Channel				37750	38000	38150	23.5	0	
Frequency (MHz)				2570	2595	2610			

Band 41 Ant4 DSI2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490	23.5	0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	22.53	22.57	22.89	22.68	22.68	22.5	1		
20	QPSK	1	49	22.69	22.76	22.70	22.71	22.52				
20	QPSK	1	99	22.56	22.52	22.73	22.64	22.59				
20	QPSK	50	0	21.69	21.72	21.88	21.69	21.76				
20	QPSK	50	24	21.67	21.80	21.79	21.69	21.61	22.5	1		
20	QPSK	50	50	21.68	21.74	21.80	21.74	21.63				
20	QPSK	100	0	21.71	21.79	21.85	21.79	21.79				
20	16QAM	1	0	21.71	21.79	21.84	21.86	21.93				
20	16QAM	1	49	21.77	21.84	21.88	21.86	21.83	22.5	1		
20	16QAM	1	99	21.61	21.76	21.82	21.77	21.81				
20	16QAM	50	0	20.57	20.68	20.86	20.84	20.69				
20	16QAM	50	24	20.72	20.87	20.88	20.76	20.82				
20	16QAM	50	50	20.76	20.80	20.87	20.84	20.86	21.5	2		
20	16QAM	100	0	20.71	20.78	20.88	20.81	20.75				
20	64QAM	1	0	20.58	20.61	20.79	20.71	20.98				
20	64QAM	1	49	20.65	20.70	20.85	20.60	20.68				
20	64QAM	1	99	20.59	20.77	20.79	20.64	20.59	21.5	2		
20	64QAM	50	0	19.61	19.73	19.72	19.68	19.74				
20	64QAM	50	24	19.67	19.83	19.84	19.79	19.76				
20	64QAM	50	50	19.70	19.75	19.83	19.67	19.63				
20	64QAM	100	0	19.82	19.82	19.92	19.73	19.69	Tune-up limit (dBm)	MPR (dB)		
Channel				39725	40173	40620	41068	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	23.50	0		
15	QPSK	1	0	22.54	22.56	22.78	22.77	22.68				
15	QPSK	1	37	22.57	22.49	22.75	22.50	22.59	22.5	1		
15	QPSK	1	74	22.54	22.68	22.77	22.63	22.37				
15	QPSK	36	0	21.65	21.75	21.81	21.74	21.75	22.5	1		
15	QPSK	36	20	21.73	21.69	21.90	21.69	21.71				
15	QPSK	36	39	21.68	21.76	21.84	21.75	21.80				
15	QPSK	75	0	21.72	21.81	21.91	21.69	21.63				
15	16QAM	1	0	21.78	21.79	21.93	21.91	21.73	22.5	1		
15	16QAM	1	37	21.74	21.73	21.82	21.65	21.79				
15	16QAM	1	74	21.71	21.74	21.85	21.76	21.74				
15	16QAM	36	0	20.80	20.66	20.85	20.76	20.65				
15	16QAM	36	20	20.68	20.72	20.84	20.80	20.70	21.5	2		
15	16QAM	36	39	20.63	20.80	20.90	20.76	20.79				
15	16QAM	75	0	20.73	20.88	20.92	20.76	20.76				
15	64QAM	1	0	20.69	20.69	20.91	20.70	20.88				
15	64QAM	1	37	20.53	20.52	20.72	20.50	20.82	21.5	2		
15	64QAM	1	74	20.67	20.72	20.83	20.72	20.60				
15	64QAM	36	0	19.55	19.72	19.79	19.79	19.76				
15	64QAM	36	20	19.70	19.76	19.89	19.82	19.73				
15	64QAM	36	39	19.76	19.74	19.92	19.78	19.81	20.5	3		
15	64QAM	75	0	19.72	19.78	19.91	19.81	19.67				
Channel				39700	40160	40620	41080	41540			Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	22.85	22.70	22.87	22.63	22.58	23.50	0		
10	QPSK	1	25	22.84	22.75	22.83	22.74	22.82				
10	QPSK	1	49	22.76	22.87	22.75	22.87	22.71				
10	QPSK	25	0	21.77	21.81	21.85	21.76	21.74				
10	QPSK	25	12	21.85	21.96	21.95	21.81	21.90	22.5	1		
10	QPSK	25	25	21.71	21.84	22.02	21.87	21.95				
10	QPSK	50	0	21.91	21.93	22.00	21.90	21.80				
10	16QAM	1	0	21.88	21.89	21.95	22.06	22.06				
10	16QAM	1	25	21.94	22.00	21.94	21.75	22.12	22.5	1		
10	16QAM	1	49	21.77	22.92	21.95	21.92	21.88				
10	16QAM	25	0	20.87	20.98	20.94	20.83	20.87				
10	16QAM	25	12	20.87	20.95	20.95	21.00	20.86				
10	16QAM	25	25	20.92	20.93	21.03	20.90	20.80	21.5	2		
10	16QAM	50	0	20.92	21.01	21.01	20.93	20.85				
10	64QAM	1	0	20.85	20.85	21.01	20.83	21.04				
10	64QAM	1	25	20.75	20.78	21.01	20.73	20.75				
10	64QAM	1	49	20.73	20.81	20.94	20.76	20.92	20.5	3		
10	64QAM	25	0	19.83	19.93	19.91	19.89	19.82				
10	64QAM	25	12	19.81	20.00	19.91	19.84	19.79				
10	64QAM	25	25	19.76	19.99	20.00	19.95	19.85				
10	64QAM	50	0	19.79	19.87	19.95	19.77	19.88	Tune-up limit (dBm)	MPR (dB)		
Channel				39675	40148	40620	41093	41565				
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	23.50	0		
5	QPSK	1	0	22.63	22.60	22.80	22.61	22.86				
5	QPSK	1	12	22.61	22.74	22.67	22.81	22.71	22.5	1		
5	QPSK	1	24	22.84	22.58	22.58	22.73	22.83				
5	QPSK	12	0	21.83	21.71	22.01	21.88	21.94				
5	QPSK	12	7	21.78	21.87	22.06	21.91	21.99				
5	QPSK	12	13	21.76	21.84	21.97	21.85	21.89	22.5	1		
5	QPSK	25	0	21.78	21.86	21.97	21.90	21.70				
5	16QAM	1	0	21.81	21.87	21.81	21.83	21.74				
5	16QAM	1	12	21.86	21.95	21.83	21.79	21.83				
5	16QAM	1	24	21.74	22.14	21.92	21.93	22.07	21.5	2		
5	16QAM	12	0	20.80	20.76	20.79	20.80	20.73				
5	16QAM	12	7	20.85	20.81	21.02	20.94	20.89				
5	16QAM	12	13	20.81	20.87	20.91	20.97	20.89				
5	16QAM	25	0	20.80	20.96	20.99	20.89	20.86	21.5	2		
5	64QAM	1	0	20.90	21.07	20.99	20.92	20.95				
5	64QAM	1	12	20.79	20.80	20.98	20.84	20.68				
5	64QAM	1	24	20.80	20.87	21.03	20.96	21.09				
5	64QAM	12	0	19.80	19.85	19.96	19.79	19.81	20.5	3		
5	64QAM	12	7	19.85	19.91	20.03	19.94	19.97				
5	64QAM	12	13	19.81	19.97	20.02	19.98	19.96				
5	64QAM	25	0	19.76	19.81	19.95	19.83	19.88				

GSM850 Ant0 DS14							
GSM850	Burst Average Power (dBm)			Tuneup Limit (dBm)	Frame-Average Power (dBm)		Tuneup Limit (dBm)
	128	189	251		128	189	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	
GSM 1 Tx slot	32.15	32.10	31.97	33.50	23.15	23.10	22.97
GPRS 1 Tx slot	32.21	32.04	31.89	33.50	23.21	23.04	22.89
GPRS 2 Tx slots	29.43	29.46	29.27	30.50	23.43	23.46	23.27
GPRS 3 Tx slots	27.33	27.74	27.67	28.50	23.07	23.48	23.41
GPRS 4 Tx slots	26.00	26.32	26.30	27.50	23.00	23.32	23.30
EDGE 1 Tx slot	25.94	25.96	25.85	27.50	16.94	16.96	16.85
EDGE 2 Tx slots	23.17	23.11	23.14	24.50	17.17	17.11	17.14
EDGE 3 Tx slots	21.19	21.24	21.16	23.00	16.93	16.98	16.90
EDGE 4 Tx slots	19.84	20.12	20.03	21.50	16.84	17.12	17.03

		GSM1900 Ant0 DS14					
GSM1900	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)		Tune-up Limit
TX Channel	512	661	810	1850.2	512	661	810
Frequency (MHz)	1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8
GSM 1 Tx slot	27.66	27.81	27.69	28.50	18.66	18.81	18.69
GPRS 1 Tx slot	27.69	27.75	27.67	28.50	18.69	18.75	18.67
GPRS 2 Tx slots	27.16	27.20	27.12	27.50	21.16	21.20	21.12
GPRS 3 Tx slots	24.05	24.06	24.09	24.50	19.79	19.80	19.83
GPRS 4 Tx slots	23.07	23.15	23.08	24.50	20.07	20.15	20.08
EDGE 1 Tx slot	23.04	23.09	23.08	23.50	14.04	14.09	14.08
EDGE 2 Tx slots	23.04	23.01	22.99	23.50	17.04	17.01	16.99
EDGE 3 Tx slots	20.59	20.36	20.63	21.50	16.33	16.10	16.37
EDGE 4 Tx slots	19.27	19.03	19.18	19.50	16.27	16.03	16.18

WCDMA II Ant0 DS14				WCDMA IV Ant0 DS14				WCDMA V Ant0 DS14					
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
	Rx Channel	9662	9800		9938	1537	1638		1738	4357	4407		4458
Frequency (MHz)													
		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.24	21.23	21.12	22.50	22.47	22.52	22.41	23.50	24.71	24.74	24.72	25.50
3GPP Rel 99	RMC 12.2Kbps	21.30	21.33	21.14	22.50	22.40	22.56	22.51	23.50	24.75	24.78	24.69	25.50
3GPP Rel 6	HSDPA Subtest-1	20.30	20.23	19.99	21.50	21.70	21.58	21.52	22.50	23.76	23.81	23.54	24.50
3GPP Rel 6	HSDPA Subtest-2	20.34	20.24	20.01	21.50	21.78	21.71	21.60	22.50	23.82	23.69	23.58	24.50
3GPP Rel 6	HSDPA Subtest-3	19.79	19.78	19.56	21.00	20.98	21.08	21.14	22.00	23.33	23.29	23.20	24.00
3GPP Rel 6	HSDPA Subtest-4	19.80	19.75	19.52	21.00	21.11	21.31	21.21	22.00	23.32	23.34	23.22	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	20.32	20.20	19.93	21.50	21.45	21.57	21.63	22.50	23.82	23.87	23.56	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	20.31	20.24	19.99	21.50	21.54	21.65	21.68	22.50	23.87	23.74	23.56	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.79	19.70	19.46	21.00	21.10	20.94	21.14	22.00	23.37	23.30	23.21	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.76	19.71	19.44	21.00	21.07	21.00	21.09	22.00	23.38	23.31	23.18	24.00
3GPP Rel 6	HSUPA Subtest-1	20.30	20.24	20.10	21.50	21.76	21.59	21.65	22.50	23.69	23.75	23.66	24.50
3GPP Rel 6	HSUPA Subtest-2	18.31	18.25	18.17	19.50	19.71	19.64	19.65	20.50	21.78	21.79	21.67	22.50
3GPP Rel 6	HSUPA Subtest-3	19.32	19.24	19.22	20.50	20.71	20.67	20.48	21.50	22.80	22.77	22.64	23.50
3GPP Rel 6	HSUPA Subtest-4	18.34	18.21	18.13	19.50	19.46	19.63	19.46	20.50	21.73	21.78	21.70	22.50
3GPP Rel 6	HSUPA Subtest-5	20.30	20.20	20.16	21.50	21.44	21.59	21.76	22.50	23.78	23.74	23.40	24.50

Band 7 Ant0 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				20725	20975	21225			
20	QPSK	1	0	19.98	20.19	20.14	21	0	
20	QPSK	1	49	19.96	19.93	19.93			
20	QPSK	1	99	20.16	20.03	19.90			
20	QPSK	50	0	19.97	20.17	19.85			
20	QPSK	50	24	19.92	19.84	19.86	21	0	
20	QPSK	50	50	19.94	19.93	19.93			
20	QPSK	100	0	19.90	20.12	19.87			
20	16QAM	1	0	19.95	19.99	20.00			
20	16QAM	1	49	20.03	20.08	19.96	21	0	
20	16QAM	1	99	19.98	20.11	19.92			
20	16QAM	50	0	19.82	19.84	19.82			
20	16QAM	50	24	19.94	19.88	19.87			
20	16QAM	50	50	19.93	19.96	19.95	21	0	
20	16QAM	100	0	19.92	19.85	19.87			
20	64QAM	1	0	19.60	19.63	19.61			
20	64QAM	1	49	19.71	19.74	19.75	21	0	
20	64QAM	1	99	19.79	19.80	19.74			
20	64QAM	50	0	19.79	19.81	19.83			
20	64QAM	50	24	19.93	19.85	19.88			
20	64QAM	50	50	19.91	19.94	19.96	21	0	
20	64QAM	100	0	19.93	19.85	19.87			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.89	20.08	20.01	21	0	
15	QPSK	1	37	19.90	19.88	19.86			
15	QPSK	1	74	20.09	19.94	19.74			
15	QPSK	36	0	19.89	20.12	19.78			
15	QPSK	36	20	19.84	19.74	19.77	21	0	
15	QPSK	36	39	19.80	19.82	19.82			
15	QPSK	75	0	19.78	20.08	19.83			
15	16QAM	1	0	19.84	19.84	19.91			
15	16QAM	1	37	19.88	19.92	19.90	21	0	
15	16QAM	1	74	19.83	20.05	19.79			
15	16QAM	36	0	19.68	19.75	19.67			
15	16QAM	36	20	19.86	19.74	19.73			
15	16QAM	36	39	19.89	19.82	19.83	21	0	
15	16QAM	75	0	19.88	19.80	19.75			
15	64QAM	1	0	19.51	19.54	19.46			
15	64QAM	1	37	19.63	19.69	19.67			
15	64QAM	1	74	19.66	19.71	19.64	21	0	
15	64QAM	36	0	19.69	19.71	19.68			
15	64QAM	36	20	19.81	19.76	19.84			
15	64QAM	36	39	19.81	19.80	19.82			
15	64QAM	75	0	19.83	19.73	19.79	21	0	
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.90	20.04	19.99	21	0	
10	QPSK	1	25	19.90	19.79	19.84			
10	QPSK	1	49	20.01	19.93	19.79			
10	QPSK	25	0	19.85	20.06	19.78			
10	QPSK	25	12	19.78	19.75	19.73	21	0	
10	QPSK	25	25	19.79	19.84	19.81			
10	QPSK	50	0	19.78	19.97	19.75			
10	16QAM	1	0	19.84	19.84	19.93			
10	16QAM	1	25	19.94	20.02	19.84	21	0	
10	16QAM	1	49	19.93	20.00	19.81			
10	16QAM	25	0	19.66	19.70	19.66			
10	16QAM	25	12	19.88	19.73	19.78			
10	16QAM	25	25	19.86	19.90	19.85	21	0	
10	16QAM	50	0	19.81	19.71	19.74			
10	64QAM	1	0	19.44	19.52	19.48			
10	64QAM	1	25	19.62	19.61	19.70			
10	64QAM	1	49	19.74	19.66	19.68	21	0	
10	64QAM	25	0	19.67	19.69	19.75			
10	64QAM	25	12	19.78	19.79	19.78			
10	64QAM	25	25	19.81	19.79	19.90			
10	64QAM	50	0	19.77	19.80	19.81	21	0	
Channel				3 <th>21100</th> <th>21425</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.83	20.03	20.00	21	0	
5	QPSK	1	12	19.88	19.76	19.83			
5	QPSK	1	24	20.11	19.88	19.85			
5	QPSK	12	0	19.88	20.12	19.77			
5	QPSK	12	7	19.79	19.76	19.73	21	0	
5	QPSK	12	13	19.79	19.78	19.78			
5	QPSK	25	0	19.81	20.04	19.75			
5	16QAM	1	0	19.88	19.86	19.89			
5	16QAM	1	12	19.90	19.97	19.85	21	0	
5	16QAM	1	24	19.92	20.00	19.78			
5	16QAM	12	0	19.74	19.76	19.69			
5	16QAM	12	7	19.81	19.75	19.82			
5	16QAM	12	13	19.82	19.88	19.87	21	0	
5	16QAM	25	0	19.83	19.81	19.75			
5	64QAM	1	0	19.54	19.55	19.49			
5	64QAM	1	12	19.58	19.61	19.66			
5	64QAM	1	24	19.68	19.75	19.60	21	0	
5	64QAM	12	0	19.65	19.69	19.78			
5	64QAM	12	7	19.77	19.76	19.76			
5	64QAM	12	13	19.76	19.84	19.91			
5	64QAM	25	0	19.84	19.71	19.76			

Band 12 Ant0 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23600	23995	24130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.57	24.69	24.64	25.5	0	
10	QPSK	1	25	24.61	24.64	24.51			
10	QPSK	1	49	24.67	24.65	24.61			
10	QPSK	25	0	23.69	23.89	23.68			
10	QPSK	25	12	23.74	23.71	23.80	24.5	1	
10	QPSK	25	25	23.53	23.86	23.81			
10	QPSK	50	0	23.83	23.86	23.80			
10	16QAM	1	0	23.75	23.73	23.73			
10	16QAM	1	25	23.85	23.79	23.61	24.5	1	
10	16QAM	1	49	23.77	23.73	23.72			
10	16QAM	25	0	22.82	22.75	22.89			
10	16QAM	25	12	22.85	22.69	22.71			
10	16QAM	25	25	22.90	22.85	22.92	23.5	2	
10	16QAM	50	0	22.92	22.86	22.74			
10	64QAM	1	0	22.87	22.60	22.66			
10	64QAM	1	25	22.81	22.57	22.77			
10	64QAM	1	49	22.84	22.70	22.92	23.5	2	
10	64QAM	25	0	21.85	21.86	21.75			
10	64QAM	25	12	21.87	21.75	21.68			
10	64QAM	25	25	21.88	21.62	21.77			
10	64QAM	50	0	21.90	21.80	21.63	22.5	3	
Channel				23035	23095	23155	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.67	24.62	24.64	25.5	0	
5	QPSK	1	12	24.68	24.58	24.44			
5	QPSK	1	24	24.61	24.52	24.60			
5	QPSK	12	0	23.60	23.61	23.64			
5	QPSK	12	7	23.71	23.71	23.71	24.5	1	
5	QPSK	12	13	23.64	23.60	23.66			
5	QPSK	25	0	23.77	23.63	23.59			
5	16QAM	1	0	23.62	23.70	23.62			
5	16QAM	1	12	23.48	23.75	23.71	24.5	1	
5	16QAM	1	24	23.61	23.68	23.54	23.5	2	
5	16QAM	12	0	22.84	22.64	22.62			
5	16QAM	12	7	22.89	22.69	22.81			
5	16QAM	12	13	22.81	22.64	22.65			
5	16QAM	25	0	22.75	22.62	22.68	23.5	2	
5	5QAM	1	0	22.73	22.64	22.65			
5	5QAM	1	12	22.76	22.64	22.88			
5	64QAM	1	24	22.70	22.76	22.75			
5	64QAM	12	0	21.79	21.71	21.64	22.5	3	
5	64QAM	12	7	21.81	21.67	21.74			
5	64QAM	12	13	21.59	21.59	21.82			
5	64QAM	25	0	21.60	21.64	21.73			
Channel				23020	23024	23185	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.57	24.66	24.66	25.5	0	
3	QPSK	1	8	24.44	24.65	24.63			
3	QPSK	1	14	24.56	24.63	24.61			
3	QPSK	8	0	23.80	23.68	23.76			
3	QPSK	8	4	23.76	23.81	23.75	24.5	1	
3	QPSK	8	7	23.66	23.83	23.71			
3	QPSK	15	0	23.74	23.77	23.71			
3	16QAM	1	0	23.53	23.67	23.54			
3	16QAM	1	8	23.79	23.83	23.66	24.5	1	
3	16QAM	1	14	23.76	23.84	23.68			
3	16QAM	8	0	22.93	22.96	22.76			
3	16QAM	8	4	22.88	22.85	22.96			
3	16QAM	8	7	22.79	22.72	22.71	23.5	2	
3	16QAM	15	0	22.79	22.98	22.73			
3	16QAM	15	0	22.85	22.79	22.82			
3	64QAM	8	20.7	23.17	23.17	23.23			
3	64QAM	1	14	23.00	23.12	22.90	23.5	2	
3	64QAM	8	0	21.92	21.68	21.77			
3	64QAM	8	4	21.83	21.68	21.76			
3	64QAM	8	7	22.01	21.73	21.87			
3	64QAM	15	0	21.75	21.80	21.71	22.5	3	
Channel				23017	23092	23171	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				699.5	707.5	715.3			
1.4	QPSK	1	0	24.51	24.61	24.39	25.5	0	
1.4	QPSK	1	3	24.47	24.65	24.52			
1.4	QPSK	1	5	24.33	24.40	24.33			
1.4	QPSK	3	1	24.52	24.51	24.42			
1.4	QPSK	3	3	24.46	24.36	24.41	24.5	1	
1.4	QPSK	3	6	23.49	23.72	23.54			
1.4	16QAM	1	0	23.65	23.62	23.81			
1.4	16QAM	1	3	23.54	23.71	23.62			
1.4	16QAM	1	5	23.56	23.84	23.68	24.5	1	
1.4	16QAM	3	0	23.52	23.64	23.50			
1.4	16QAM	3	1	23.45	23.71	23.56			
1.4	16QAM	3	3	23.5	23.7	23.40			
1.4	16QAM	6	0	22.48	22.51	22.42	23.5	2	
1.4	64QAM	1	0	22.92	22.75	22.86			
1.4	64QAM	1	3	22.93	22.67	22.95			
1.4	64QAM	1	5	22.83	22.73	22.84			
1.4	64QAM	3	0	22.68	22.73	22.64	23.5	2	
1.4	64QAM	3	1	22.86	22.56	22.71			
1.4	64QAM	3	3	22.52	22.70	22.64			
1.4	64QAM	6	0	21.48	21.58	21.51			

Band 26 Ant0 DS14										
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				26766	26868	26966				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	24.35	24.35	24.41	25.5	0		
15	QPSK	1	37	24.34	24.37	24.29				
15	QPSK	1	74	24.37	24.33	24.18				
15	QPSK	36	0	23.44	23.50	23.37	24.5	1		
15	QPSK	36	20	23.42	23.46	23.44				
15	QPSK	36	39	23.48	23.46	23.38				
15	QPSK	75	0	23.42	23.52	23.31	23.5	2		
15	16QAM	1	0	23.77	23.67	23.64				
15	16QAM	1	37	23.70	23.66	23.58				
15	16QAM	1	74	23.75	23.66	23.48	24.5	1		
15	16QAM	36	0	22.45	22.43	22.39				
15	16QAM	36	20	22.50	22.48	22.41				
15	16QAM	36	39	22.46	22.47	22.39	23.5	2		
15	16QAM	75	0	22.52	22.41	22.38				
15	64QAM	1	0	22.80	22.55	22.50				
15	64QAM	1	37	22.65	22.60	22.50	23.5	2		
15	64QAM	1	74	22.56	22.54	22.37				
15	64QAM	36	0	21.48	21.44	21.37				
15	64QAM	36	20	21.51	21.47	21.40	22.5	3		
15	64QAM	36	39	21.50	21.47	21.38				
15	64QAM	75	0	21.52	21.42	21.34				
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	24.35	24.33	24.20	25.5	0		
10	QPSK	1	25	24.33	24.25	24.17				
10	QPSK	1	49	24.27	24.20	24.12				
10	QPSK	25	0	23.45	23.37	23.31	24.5	1		
10	QPSK	25	12	23.45	23.36	23.32				
10	QPSK	25	25	23.42	23.40	23.33				
10	QPSK	50	0	23.46	23.34	23.30	24.5	1		
10	16QAM	1	0	23.60	23.68	23.61				
10	16QAM	1	25	23.62	23.63	23.53				
10	16QAM	1	49	23.63	23.61	23.49	23.5	2		
10	16QAM	25	0	22.50	22.39	22.31				
10	16QAM	25	12	22.47	22.40	22.35				
10	16QAM	25	25	22.42	22.43	22.35	22.5	3		
10	16QAM	50	0	22.47	22.37	22.29				
10	64QAM	1	0	22.57	22.60	22.48				
10	64QAM	1	25	22.56	22.46	22.38	23.5	2		
10	64QAM	1	49	22.50	22.50	22.39				
10	64QAM	25	0	21.49	21.39	21.31				
10	64QAM	25	12	21.47	21.35	21.29	22.5	3		
10	64QAM	25	25	21.40	21.41	21.31				
10	64QAM	50	0	21.44	21.36	21.31				
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	24.33	24.37	24.22	25.5	0		
5	QPSK	1	12	24.40	24.32	24.20				
5	QPSK	1	24	24.32	24.27	24.09				
5	QPSK	12	0	23.46	23.34	23.29	24.5	1		
5	QPSK	12	7	23.48	23.42	23.28				
5	QPSK	12	13	23.43	23.36	23.24				
5	QPSK	25	0	23.46	23.33	23.26	24.5	1		
5	16QAM	1	0	23.60	23.58	23.52				
5	16QAM	1	12	23.64	23.67	23.54				
5	16QAM	1	24	23.66	23.58	23.50	23.5	2		
5	16QAM	12	0	22.50	22.37	22.31				
5	16QAM	12	7	22.51	22.43	22.30				
5	16QAM	12	13	22.47	22.41	22.27	23.5	2		
5	16QAM	25	0	22.49	22.34	22.28				
5	64QAM	1	0	22.58	22.51	22.45				
5	64QAM	1	12	22.56	22.42	22.39	23.5	2		
5	64QAM	1	24	22.54	22.49	22.38				
5	64QAM	12	0	21.53	21.36	21.33				
5	64QAM	12	7	21.48	21.43	21.29	22.5	3		
5	64QAM	12	13	21.45	21.41	21.29				
5	64QAM	25	0	21.39	21.30	21.27				
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	24.29	24.36	24.14	25.5	0		
3	QPSK	1	8	24.33	24.31	24.20				
3	QPSK	1	14	24.37	24.27	23.89				
3	QPSK	8	0	23.40	23.29	23.27	24.5	1		
3	QPSK	8	4	23.42	23.45	23.31				
3	QPSK	8	7	23.45	23.37	23.24				
3	QPSK	15	0	23.44	23.40	23.26	24.5	1		
3	16QAM	1	0	23.53	23.60	23.52				
3	16QAM	1	8	23.61	23.67	23.54				
3	16QAM	1	14	23.70	23.61	23.55	23.5	2		
3	16QAM	8	0	22.50	22.37	22.33				
3	16QAM	8	4	22.55	22.51	22.35				
3	16QAM	8	7	22.49	22.42	22.28	23.5	2		
3	16QAM	15	0	22.50	22.43	22.30				
3	64QAM	1	0	22.56	22.48	22.39				
3	64QAM	1	8	22.62	22.55	22.44	22.5	3		
3	64QAM	1	14	22.55	22.57	22.41				
3	64QAM	8	0	21.51	21.36	21.31				
3	64QAM	8	4	21.50	21.44	21.31	22.5	3		
3	64QAM	8	7	21.50	21.44	21.08				
3	64QAM	15	0	21.48	21.38	21.25				
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	24.15	24.30	24.04	25.5	0		
1.4	QPSK	1	3	24.33	24.28	24.16				
1.4	QPSK	1	5	24.33	24.20	24.03				
1.4	QPSK	3	0	24.27	24.22	24.07	24.5	1		
1.4	QPSK	3	1	24.31	24.29	24.15				
1.4	QPSK	3	3	24.30	24.22	24.07				
1.4	QPSK	6	0	23.37	23.34	23.19	23.5	2		
1.4	16QAM	1	0	23.49	23.52	23.41				
1.4	16QAM	1	3	23.61	23.64	23.48				
1.4	16QAM	1	5	23.59	23.56	23.40	24.5	1		
1.4	16QAM	3	0	23.35	23.33	23.19				
1.4	16QAM	3	1	23.40	23.38	23.26				
1.4	16QAM	3	3	23.40	23.29	23.14	23.5	2		
1.4	16QAM	6	0	22.50	22.41	22.25				
1.4	64QAM	1	0	22.47	22.40	22.30				
1.4	64QAM	1	3	22.56	22.45	22.38	23.5	2		
1.4	64QAM	1	5	22.49	22.39	22.33				
1.4	64QAM	3	0	22.40	22.30	22.24				
1.4	64QAM	3	1	22.43	22.48	22.26	22.5	3		
1.4	64QAM	3	3	22.41	22.31	22.21				
1.4	64QAM	6	0	21.40	21.37	21.19				

Band 38 Ant0 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	22	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.91	21.00	20.90	22	0	
20	QPSK	1	49	20.91	20.94	20.94			
20	QPSK	1	99	20.90	20.86	20.86			
20	QPSK	50	0	20.71	20.79	20.70			
20	QPSK	50	24	20.46	20.63	20.75			
20	QPSK	50	50	20.66	20.68	20.75	22	0	
20	QPSK	100	0	20.64	20.73	20.69			
20	16QAM	1	0	20.61	20.63	20.63			
20	16QAM	1	49	20.64	20.71	20.68			
20	16QAM	1	99	20.52	20.48	20.52			
20	16QAM	50	0	20.70	20.71	20.72	22	0	
20	16QAM	50	24	20.75	20.71	20.75			
20	16QAM	50	50	20.65	20.66	20.73			
20	16QAM	100	0	20.72	20.64	20.72			
20	64QAM	1	0	20.79	20.92	20.89			
20	64QAM	1	49	20.70	20.83	20.84	22	0	
20	64QAM	1	99	20.59	20.69	20.64			
20	64QAM	50	0	20.62	20.68	20.64			
20	64QAM	50	24	20.70	20.71	20.77			
20	64QAM	50	50	20.67	20.74	20.72			
20	64QAM	100	0	20.69	20.68	20.60	22	0	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.70	20.76	20.71	22	0	
15	QPSK	1	37	20.73	20.76	20.77			
15	QPSK	1	74	20.69	20.65	20.69			
15	QPSK	36	0	20.53	20.56	20.51			
15	QPSK	36	20	20.24	20.46	20.54			
15	QPSK	36	39	20.41	20.43	20.51	22	0	
15	QPSK	75	0	20.46	20.58	20.53			
15	16QAM	1	0	20.43	20.41	20.48			
15	16QAM	1	37	20.49	20.50	20.48			
15	16QAM	1	74	20.30	20.25	20.29			
15	16QAM	36	0	20.47	20.50	20.54	22	0	
15	16QAM	36	20	20.53	20.48	20.55			
15	16QAM	36	39	20.44	20.45	20.53			
15	16QAM	75	0	20.54	20.42	20.55			
15	64QAM	1	0	20.54	20.72	20.71			
15	64QAM	1	37	20.54	20.61	20.61	22	0	
15	64QAM	1	74	20.43	20.48	20.42			
15	64QAM	36	0	20.45	20.53	20.43			
15	64QAM	36	20	20.51	20.48	20.60			
15	64QAM	36	39	20.43	20.56	20.51			
15	64QAM	75	0	20.54	20.53	20.42	22	0	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.71	20.79	20.67	22	0	
10	QPSK	1	25	20.70	20.76	20.70			
10	QPSK	1	49	20.66	20.66	20.67			
10	QPSK	25	0	20.54	20.56	20.52			
10	QPSK	25	12	20.23	20.44	20.51			
10	QPSK	25	25	20.45	20.51	20.52	22	0	
10	QPSK	50	0	20.41	20.49	20.51			
10	16QAM	1	0	20.40	20.47	20.44			
10	16QAM	1	25	20.40	20.46	20.51			
10	16QAM	1	49	20.28	20.27	20.27			
10	16QAM	25	0	20.53	20.55	20.50	22	0	
10	16QAM	25	12	20.56	20.47	20.59			
10	16QAM	25	25	20.48	20.51	20.56			
10	16QAM	50	0	20.57	20.49	20.55			
10	64QAM	1	0	20.57	20.69	20.71			
10	64QAM	1	25	20.52	20.67	20.64	22	0	
10	64QAM	1	49	20.42	20.46	20.44			
10	64QAM	25	0	20.38	20.48	20.47			
10	64QAM	25	12	20.55	20.54	20.57			
10	64QAM	25	25	20.49	20.50	20.54			
10	64QAM	50	0	20.47	20.46	20.41	22	0	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.68	20.84	20.73	22	0	
5	QPSK	1	12	20.74	20.72	20.81			
5	QPSK	1	24	20.74	20.69	20.71			
5	QPSK	12	0	20.43	20.59	20.50			
5	QPSK	12	7	20.29	20.49	20.64			
5	QPSK	12	13	20.36	20.50	20.46	22	0	
5	QPSK	25	0	20.43	20.48	20.49			
5	16QAM	1	0	20.40	20.43	20.51			
5	16QAM	1	12	20.39	20.46	20.39			
5	16QAM	1	24	20.34	20.28	20.39			
5	16QAM	12	0	20.49	20.48	20.48	22	0	
5	16QAM	12	7	20.48	20.56	20.47			
5	16QAM	12	13	20.49	20.42	20.59			
5	16QAM	25	0	20.48	20.48	20.50			
5	64QAM	1	0	20.60	20.71	20.68			
5	64QAM	1	12	20.55	20.56	20.56	22	0	
5	64QAM	1	24	20.46	20.54	20.41			
5	64QAM	12	0	20.46	20.49	20.36			
5	64QAM	12	7	20.40	20.58	20.47			
5	64QAM	12	13	20.37	20.55	20.58			
5	64QAM	25	0	20.42	20.48	20.35	22	0	
Channel				37750	38000	38150			
Frequency (MHz)				2570	2595	2610	Tune-up limit (dBm)	MPR (dB)	

Band 41 Ant0 DS14										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	23	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.93	21.97	22.15	22.03	21.90	23	0
20	QPSK	1	49	21.92	21.97	21.94	21.96	22.09		
20	QPSK	1	99	21.95	21.94	22.02	21.96	21.97		
20	QPSK	50	0	21.78	21.85	22.01	21.87	21.68		
20	QPSK	50	24	21.75	21.82	21.81	21.78	21.88		
20	QPSK	50	50	21.68	21.81	21.90	21.71	21.81	23	0
20	QPSK	100	0	21.76	21.70	21.83	21.75	21.66		
20	16QAM	1	0	21.81	21.69	21.99	21.80	21.61		
20	16QAM	1	49	21.65	21.80	21.68	21.86	21.95		
20	16QAM	1	99	21.70	21.67	21.84	21.80	21.74		
20	16QAM	50	0	21.71	21.66	21.98	21.90	21.67	23	0
20	16QAM	50	24	21.63	21.85	21.68	21.79	22.02		
20	16QAM	50	50	21.78	21.61	21.89	21.89	21.68		
20	16QAM	100	0	21.69	21.82	21.73	21.82	21.94		
20	64QAM	1	0	21.67	21.66	21.98	21.63	21.52		
20	64QAM	1	49	21.63	21.75	21.50	21.82	21.84	23	0
20	64QAM	1	99	21.66	21.66	21.75	21.63	21.60		
20	64QAM	50	0	21.56	21.56	21.86	21.85	21.54		
20	64QAM	50	24	21.59	21.68	21.65	21.76	21.84		
20	64QAM	50	50	21.68	21.47	21.81	21.79	21.56		
20	64QAM	100	0	21.23	21.12	21.11	21.29	21.35	22.5	0.5
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	21.76	21.81	21.98	21.91	21.77	23.00	0
15	QPSK	1	37	21.76	21.79	21.85	21.80	21.96		
15	QPSK	1	74	21.74	21.82	21.89	21.77	21.75		
15	QPSK	36	0	21.61	21.79	21.82	21.68	21.56		
15	QPSK	36	20	21.65	21.75	21.69	21.57	21.65	23	0
15	QPSK	36	39	21.58	21.75	21.77	21.59	21.59		
15	QPSK	75	0	21.68	21.62	21.65	21.59	21.47		
15	16QAM	1	0	21.61	21.79	21.82	21.68	21.56		
15	16QAM	1	37	21.65	21.75	21.69	21.57	21.65	23	0
15	16QAM	1	74	21.58	21.75	21.77	21.59	21.59		
15	16QAM	36	0	21.48	21.58	21.80	21.74	21.47		
15	16QAM	36	20	21.50	21.65	21.55	21.64	21.83		
15	16QAM	36	39	21.55	21.38	21.81	21.76	21.56	23	0
15	16QAM	75	0	21.53	21.68	21.54	21.62	21.74		
15	64QAM	1	0	21.58	21.42	21.75	21.54	21.44		
15	64QAM	1	37	21.40	21.58	21.37	21.74	21.68		
15	64QAM	1	74	21.58	21.52	21.51	21.57	21.55	23	0
15	64QAM	36	0	21.64	21.61	21.93	21.62	21.59		
15	64QAM	36	20	21.51	21.68	21.66	21.63	21.79		
15	64QAM	36	39	21.62	21.62	21.68	21.52	21.73		
15	64QAM	75	0	20.99	20.89	21.00	21.09	21.22	22.5	0.5
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	21.74	21.81	21.94	21.88	21.83	23.00	0
10	QPSK	1	25	21.80	21.83	21.88	21.72	22.01		
10	QPSK	1	49	21.84	21.85	21.95	21.85	21.82		
10	QPSK	25	0	21.55	21.78	21.90	21.67	21.62		
10	QPSK	25	12	21.67	21.66	21.60	21.58	21.65	23	0
10	QPSK	25	25	21.59	21.70	21.80	21.56	21.76		
10	QPSK	50	0	21.55	21.62	21.70	21.50	21.44		
10	16QAM	1	0	21.65	21.49	21.75	21.56	21.41		
10	16QAM	1	25	21.59	21.59	21.49	21.77	21.89	23	0
10	16QAM	1	49	21.59	21.56	21.64	21.73	21.63		
10	16QAM	25	0	21.55	21.58	21.79	21.69	21.59		
10	16QAM	25	12	21.42	21.79	21.53	21.56	21.82		
10	16QAM	25	25	21.57	21.52	21.78	21.70	21.62	23	0
10	16QAM	50	0	21.62	21.75	21.61	21.76	21.86		
10	64QAM	1	0	21.60	21.55	21.74	21.47	21.46		
10	64QAM	1	25	21.48	21.61	21.27	21.59	21.77		
10	64QAM	1	49	21.48	21.44	21.66	21.41	21.50	23	0
10	64QAM	25	0	21.40	21.38	21.71	21.61	21.39		
10	64QAM	25	12	21.46	21.50	21.59	21.57	21.63		
10	64QAM	25	25	21.44	21.40	21.57	21.57	21.32		
10	64QAM	50	0	21.05	21.04	21.02	21.23	21.17	22.5	0.5
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	21.83	21.92	21.92	21.79	21.81	23.00	0
5	QPSK	1	12	21.75	21.83	21.81	21.74	22.01		
5	QPSK	1	24	21.86	21.83	21.79	21.87	21.78		
5	QPSK	12	0	21.53	21.67	21.86	21.72	21.43		
5	QPSK	12	7	21.67	21.60	21.61	21.63	21.71	23	0
5	QPSK	12	13	21.50	21.58	21.74	21.64	21.67		
5	QPSK	25	0	21.53	21.61	21.58	21.53	21.41		
5	16QAM	1	0	21.67	21.60	21.78	21.64	21.39		
5	16QAM	1	12	21.47	21.75	21.47	21.75	21.74	23	0
5	16QAM	1	24	21.61	21.51	21.59	21.60	21.60		
5	16QAM	12	0	21.66	21.77	21.88	21.66	21.45		
5	16QAM	12	7	21.63	21.76	21.62	21.63	21.64		
5	16QAM	12	13	21.44	21.67	21.85	21.62	21.64	23	0
5	16QAM	25	0	21.62	21.70	21.56	21.66	21.82		
5	64QAM	1	0	21.52	21.42	21.75	21.54	21.32		
5	64QAM	1	12	21.44	21.50	21.39	21.61	21.73		
5	64QAM	1	24	21.51	21.43	21.57	21.39	21.54	23	0
5	64QAM	12	0	21.37	21.44	21.62	21.65	21.48		
5	64QAM	12	7	21.52	21.49	21.51	21.54	21.66		
5	64QAM	12	13	21.62	21.31	21.65	21.64	21.33		
5	64QAM	25	0	21.18	21.01	21.02	21.07	21.11	22.5	0.5
Channel				39650	40123	40620	41068	41565		
Frequency (MHz)				2496.0	2543.3	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)

GSM850 Ant4 DS14								
GSM850	Burst-Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8	824.2	
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8	824.2	
GSM 1 Tx slot	32.14	32.27	32.11	33.50	23.14	23.27	23.11	24.50
GPRS 1 Tx slot	32.19	32.24	31.97	33.50	23.19	23.24	22.97	24.50
GPRS 2 Tx slots	29.66	29.59	29.46	30.50	23.66	23.59	23.46	24.50
GPRS 3 Tx slots	27.64	27.44	27.85	28.50	23.38	23.18	23.59	24.24
GPRS 4 Tx slots	26.48	26.54	26.45	27.50	23.48	23.54	23.45	24.50
EDGE 1 Tx slot	26.11	26.00	25.97	27.50	17.11	17.00	16.97	18.50
EDGE 2 Tx slots	23.36	23.54	23.16	24.50	17.36	17.54	17.16	18.50
EDGE 3 Tx slots	21.47	21.55	21.29	23.00	17.21	17.29	17.03	18.74
EDGE 4 Tx slots	20.09	20.40	20.13	21.50	17.09	17.40	17.13	18.50

		GSM1900 Ant4 DS4							
GSM1900		Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)		Tune-up Limit	
TX Channel		512	661	810	Limit (dBm)	512	661	810	
Frequency (MHz)		1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	
GSM 1 Tx slot		27.98	27.90	27.83	29.50	18.98	18.90	18.83	20.50
GPRS 1 Tx slot		28.02	27.92	27.86	29.50	19.02	18.92	18.86	20.50
GPRS 2 Tx slots		26.42	26.50	26.34	27.50	20.42	20.50	20.34	21.50
GPRS 3 Tx slots		24.35	24.51	24.29	25.50	20.09	20.25	20.03	21.24
GPRS 4 Tx slots		23.16	23.17	23.15	24.50	20.16	20.17	20.15	21.50
EDGE 1 Tx slot		24.39	24.60	24.44	25.50	15.39	15.60	15.44	16.50
EDGE 2 Tx slots		22.31	22.16	22.03	24.00	16.31	16.16	16.03	18.00
EDGE 3 Tx slots		19.76	19.56	19.49	21.00	15.50	15.30	15.23	16.74
EDGE 4 Tx slots		19.37	19.40	19.11	20.50	16.37	16.40	16.11	17.50

WCDMA II Ant4 DS14							WCDMA IV Ant4 DS14							WCDMA V Ant4 DS14						
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)	Tune-up Limit (dBm)	Tune-up Limit (dBm)	Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233			4132	4182	4233				
TX Channel	9662	9800	9938	9662	1637	1638	1738	1637	4357	4407	4458	4357	4407	4357	4407	4458	4357	4407	4458	4357
Frequency (MHz)	1852.4	1880	1907.6	1852.4	1712.4	1732.6	1752.6	1712.4	826.4	836.4	846.6	826.4	836.4	826.4	836.4	846.6	826.4	836.4	846.6	826.4
3GPP Rel 99	AMR 12.2kbps	21.39	21.24	21.11	22.50	22.45	22.44	22.41	23.50	24.70	24.72	24.71	25.50	23.50	24.70	24.72	24.71	25.50	24.70	25.50
3GPP Rel 99	RMC 12.2kbps	21.34	21.42	21.13	22.50	22.48	22.51	22.47	23.50	24.71	24.73	24.68	25.50	23.50	24.71	24.73	24.68	25.50	24.71	25.50
3GPP Rel 6	HSDPA Subtest-1	20.42	20.48	20.24	21.50	21.53	21.63	21.58	22.50	23.82	23.80	23.72	24.50	22.50	23.82	23.80	23.72	24.50	23.82	24.50
3GPP Rel 6	HSDPA Subtest-2	20.41	20.37	20.16	21.50	21.67	21.66	21.61	22.50	23.78	23.79	23.71	24.50	22.50	23.78	23.79	23.71	24.50	23.78	24.50
3GPP Rel 6	HSDPA Subtest-3	19.82	19.87	19.71	21.00	21.17	21.19	20.87	22.00	23.28	23.32	23.16	24.00	22.00	23.28	23.32	23.16	24.00	23.28	24.00
3GPP Rel 6	HSDPA Subtest-4	19.85	19.90	19.62	21.00	21.11	21.19	21.24	22.00	23.28	23.35	23.21	24.00	22.00	23.28	23.35	23.21	24.00	23.28	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	20.24	20.49	20.01	21.50	21.77	21.68	21.69	22.50	23.81	23.88	23.70	24.50	22.50	23.81	23.88	23.70	24.50	23.81	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	20.17	20.47	20.24	21.50	21.58	21.71	21.66	22.50	23.80	23.78	23.60	24.50	22.50	23.80	23.78	23.60	24.50	23.80	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.86	19.84	19.70	21.00	21.06	21.04	20.92	22.00	23.27	23.22	23.27	24.00	22.00	23.27	23.22	23.27	24.00	23.27	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	20.06	19.86	19.69	21.00	21.09	21.36	21.22	22.00	23.29	23.00	23.23	24.00	22.00	23.29	23.00	23.23	24.00	23.29	24.00
3GPP Rel 6	HSUPA Subtest-1	20.23	20.41	20.09	21.50	21.67	21.73	21.59	22.50	23.74	23.72	23.62	24.50	22.50	23.74	23.72	23.62	24.50	23.74	24.50
3GPP Rel 6	HSUPA Subtest-2	18.34	18.37	18.15	19.50	19.58	19.63	19.68	20.50	21.74	21.70	21.64	22.50	20.50	21.74	21.70	21.64	22.50	21.74	22.50
3GPP Rel 6	HSUPA Subtest-3	19.19	19.44	19.12	20.50	20.60	20.59	20.77	21.50	22.71	22.73	22.65	23.50	21.50	22.71	22.73	22.65	23.50	22.71	23.50
3GPP Rel 6	HSUPA Subtest-4	18.42	18.37	18.35	19.50	19.70	19.70	19.64	20.50	21.72	21.77	21.67	22.50	20.50	21.72	21.77	21.67	22.50	21.72	22.50
3GPP Rel 6	HSUPA Subtest-5	20.24	20.35	20.08	21.50	21.58	21.63	21.66	22.50	23.70	23.65	23.60	24.50	22.50	23.70	23.65	23.60	24.50	23.70	24.50

Band 2 Ant4 DS14												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	20.07	20.22	20.08			21	0		
20	QPSK	1	49	20.04	19.97	19.98						
20	QPSK	1	99	19.92	19.93	19.89						
20	QPSK	50	0	20.12	20.19	20.03						
20	QPSK	50	24	20.15	20.04	20.04			21	0		
20	QPSK	50	50	20.07	20.01	19.91						
20	QPSK	100	0	20.16	20.17	20.02						
20	16QAM	1	0	20.16	20.11	20.14						
20	16QAM	1	49	20.18	20.12	20.21			21	0		
20	16QAM	1	99	20.17	20.21	20.11						
20	16QAM	50	0	20.21	20.13	20.04						
20	16QAM	50	24	20.20	20.03	20.06						
20	16QAM	50	50	20.07	20.01	19.91			21	0		
20	16QAM	100	0	20.16	20.02	20.05						
20	64QAM	1	0	20.10	20.21	20.20						
20	64QAM	1	49	20.14	20.19	20.04			21	0		
20	64QAM	1	99	20.13	20.09	19.94						
20	64QAM	50	0	20.20	20.11	20.05						
20	64QAM	50	24	20.18	20.04	20.05						
20	64QAM	50	50	20.02	19.98	19.92			20.5	0.5		
20	64QAM	100	0	20.19	20.03	20.05						
Channel												
Frequency (MHz)												
15	QPSK	1	0	19.85	19.80	19.92			21	0		
15	QPSK	1	37	19.97	19.87	19.81						
15	QPSK	1	74	19.83	19.90	19.74						
15	QPSK	36	0	19.92	20.09	20.04						
15	QPSK	36	20	19.95	19.85	20.00			21	0		
15	QPSK	36	39	20.00	20.01	19.88						
15	QPSK	75	0	19.97	20.16	19.94						
15	16QAM	1	0	20.08	20.05	19.97						
15	16QAM	1	37	20.08	20.05	20.19			21	0		
15	16QAM	1	74	20.16	20.11	19.89						
15	16QAM	36	0	20.08	20.06	20.03						
15	16QAM	36	20	20.03	19.97	19.99						
15	16QAM	36	39	19.90	19.82	19.82			21	0		
15	16QAM	75	0	19.99	19.82	19.98						
15	64QAM	1	0	20.11	20.09	20.00						
15	64QAM	1	37	20.06	20.04	20.01						
15	64QAM	1	74	20.12	20.04	19.80			20.5	0.5		
15	64QAM	36	0	20.17	20.09	19.91						
15	64QAM	36	20	19.99	19.92	20.01						
15	64QAM	36	39	20.01	19.82	19.86						
15	64QAM	75	0	20.09	19.84	19.92			Tune-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)												
10	QPSK	1	0	19.85	19.80	19.90			21	0		
10	QPSK	1	25	19.94	19.84	19.80						
10	QPSK	1	49	19.85	19.72	19.84						
10	QPSK	25	0	19.92	20.16	19.85						
10	QPSK	25	12	20.14	19.85	20.02			21	0		
10	QPSK	25	25	20.04	20.00	19.91						
10	QPSK	50	0	19.98	20.04	20.03						
10	16QAM	1	0	20.03	20.05	20.09						
10	16QAM	1	25	19.96	20.11	20.10			21	0		
10	16QAM	1	49	20.00	20.15	20.07						
10	16QAM	25	0	20.14	20.12	20.01						
10	16QAM	25	12	20.02	19.92	19.94						
10	16QAM	25	25	20.06	19.80	19.79			21	0		
10	16QAM	50	0	20.06	20.02	20.02						
10	64QAM	1	0	20.12	20.18	20.17						
10	64QAM	1	25	20.11	20.05	19.89			21	0		
10	64QAM	1	49	19.96	20.05	19.91						
10	64QAM	25	0	20.01	20.09	19.86						
10	64QAM	25	12	19.97	19.85	19.98						
10	64QAM	25	25	19.82	19.96	19.79			20.5	0.5		
10	64QAM	50	0	20.08	19.96	19.86						
Channel												
Frequency (MHz)												
5	QPSK	1	0	20.07	20.07	19.96			21	0		
5	QPSK	1	12	19.83	19.98	19.83						
5	QPSK	1	24	19.78	19.72	19.70						
5	QPSK	12	0	20.12	20.10	19.94						
5	QPSK	12	7	19.99	19.95	19.87			21	0		
5	QPSK	12	13	19.87	19.81	19.91						
5	QPSK	25	0	20.06	19.99	19.92						
5	16QAM	1	0	20.04	19.92	20.06						
5	16QAM	1	12	20.00	20.08	20.02			21	0		
5	16QAM	1	24	20.18	20.15	19.97						
5	16QAM	12	0	20.16	20.09	19.83						
5	16QAM	12	7	20.21	19.95	20.05						
5	16QAM	12	13	20.01	20.01	19.84			21	0		
5	16QAM	25	0	20.00	19.87	19.94						
5	64QAM	1	0	20.03	20.05	20.07						
5	64QAM	1	12	19.96	20.14	19.93						
5	64QAM	1	24	20.01	20.02	19.84			20.5	0.5		
5	64QAM	12	0	20.12	20.04	20.04						
5	64QAM	12	7	20.04	19.86	20.04						
5	64QAM	12	13	19.86	19.83	19.78						
5	64QAM	25	0	20.05	19.95	19.83			Tune-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)												
3	QPSK	1	0	20.07	20.05	19.92			21	0		
3	QPSK	1	8	19.96	19.84	19.88						
3	QPSK	1	14	19.71	19.72	19.91						
3	QPSK	8	0	20.13	20.20	20.04						
3	QPSK	8	4	20.05	19.86	19.90			21	0		
3	QPSK	8	7	19.88	19.87	19.88						
3	QPSK	15	0	19.95	20.04	20.01						
3	16QAM	1	0	19.97	19.90	19.98						
3	16QAM	1	8	20.17	19.96	20.16			21	0		
3	16QAM	1	14	20.15	20.14	20.00						
3	16QAM	8	0	20.07	20.05	19.91						
3	16QAM	8	4	20.15	19.91	20.04						
3	16QAM	8	7	19.87	19.98	19.77			21	0		
3	16QAM	15	0	20.09	20.03	20.02						
3	64QAM	1	0	20.12	20.12	20.11						
3	64QAM	1	8	19.86	20.18	20.02						
3	64QAM	1	14	20.06	19.90	19.91			21	0		
3	64QAM	8	0	20.17	20.03	20.03						
3	64QAM	8	4	20.12	20.00	20.01						
3	64QAM	8	7	19.92	19.99	19.81						
3	64QAM	15	0	20.15	19.82	20.04			20.5	0.5		
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	19.85	19.80	19.92			21	0		
1.4	QPSK	1	3	19.86	19.84	19.82						
1.4	QPSK	1	5	19.90	19.83	19.73						
1.4	QPSK	3	0	19.91	20.05	20.05						
1.4	QPSK	3	1	19.94	19.95	20.04			21	0		
1.4	QPSK	3	3	19.86	19.85	19.84						
1.4	QPSK	6	0	20.03	20.03	19.89						
1.4	16QAM	1	0	19.94	19.97	20.05						
1.4	16QAM	1	3	20.13	20.06	20.13			21	0		
1.4	16QAM	1	5	20.08	20.04	19.92						
1.4	16QAM	3	0	20.01	20.11	19.90						
1.4	16QAM	3	1	20.12	19.95	20.06						
1.4	16QAM	3	3	20.04	19.87	19.75			21	0		
1.4	16QAM	6	0	20.10	19.91	20.02						
1.4	64QAM	1	0	20.04	19.99	20.00			21	0		
1.4	64QAM	1	3	20.12	20.11	19.91						
1.4	64QAM	1	5	20.07	20.05	19.75						
1.4	64QAM	3	0	20.14	19.93	20.02						
1.4	64QAM	3	1	19.97	19.97	19.98			20.5	0.5		
1.4	64QAM	3	3	19.99	19.82	19.90						
1.4	64QAM	6	0	20.15	19.93	19.90						
1.4	64QAM	6	0	20.15	19.93	19.90						

Band 7 Ant4 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23850	24100	24350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.53	19.77	19.45	20.5	0	
20	QPSK	1	49	19.54	19.56	19.59			
20	QPSK	1	99	19.57	19.60	19.64			
20	QPSK	50	0	19.59	19.74	19.63	20.5	0	
20	QPSK	50	24	19.72	19.66	19.72			
20	QPSK	50	50	19.71	19.67	19.64			
20	QPSK	100	0	19.65	19.70	19.67	20.5	0	
20	16QAM	1	0	19.73	19.68	19.71			
20	16QAM	1	49	19.63	19.62	19.68			
20	16QAM	1	99	19.66	19.57	19.62	20.5	0	
20	16QAM	50	0	19.62	19.64	19.65			
20	16QAM	50	24	19.73	19.69	19.73			
20	16QAM	50	50	19.74	19.76	19.69	20.5	0	
20	16QAM	100	0	19.73	19.67	19.73			
20	64QAM	1	0	19.62	19.60	19.71			
20	64QAM	1	49	19.76	19.65	19.63	20.5	0	
20	64QAM	1	99	19.62	19.61	19.60			
20	64QAM	50	0	19.61	19.60	19.63			
20	64QAM	50	24	19.73	19.66	19.71	20.5	0	
20	64QAM	50	50	19.74	19.74	19.70			
20	64QAM	100	0	19.74	19.65	19.72			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.33	19.69	19.40	20.5	0	
15	QPSK	1	37	19.35	19.35	19.40			
15	QPSK	1	74	19.39	19.46	19.59			
15	QPSK	36	0	19.39	19.74	19.55	20.5	0	
15	QPSK	36	20	19.68	19.50	19.70			
15	QPSK	36	39	19.71	19.50	19.62			
15	QPSK	75	0	19.63	19.63	19.60	20.5	0	
15	16QAM	1	0	19.58	19.56	19.65			
15	16QAM	1	37	19.62	19.52	19.63			
15	16QAM	1	74	19.63	19.40	19.64	20.5	0	
15	16QAM	36	0	19.55	19.53	19.56			
15	16QAM	36	20	19.71	19.52	19.58			
15	16QAM	36	39	19.64	19.73	19.56	20.5	0	
15	16QAM	75	0	19.66	19.50	19.61			
15	64QAM	1	0	19.54	19.49	19.68			
15	64QAM	1	37	19.74	19.45	19.57	20.5	0	
15	64QAM	1	74	19.49	19.55	19.46			
15	64QAM	36	0	19.51	19.47	19.48			
15	64QAM	36	20	19.54	19.57	19.62	20.5	0	
15	64QAM	36	39	19.53	19.58	19.61			
15	64QAM	75	0	19.60	19.63	19.58			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.42	19.59	19.36	20.5	0	
10	QPSK	1	25	19.52	19.57	19.60			
10	QPSK	1	49	19.58	19.62	19.62			
10	QPSK	25	0	19.43	19.66	19.63	20.5	0	
10	QPSK	25	12	19.66	19.50	19.61			
10	QPSK	25	25	19.61	19.50	19.65			
10	QPSK	50	0	19.55	19.64	19.50	20.5	0	
10	16QAM	1	0	19.69	19.67	19.62			
10	16QAM	1	25	19.62	19.42	19.60			
10	16QAM	1	49	19.57	19.42	19.46	20.5	0	
10	16QAM	25	0	19.46	19.53	19.59			
10	16QAM	25	12	19.57	19.65	19.69			
10	16QAM	25	25	19.66	19.61	19.41	20.5	0	
10	16QAM	50	0	19.51	19.63	19.54			
10	64QAM	1	0	19.59	19.40	19.56			
10	64QAM	1	25	19.56	19.54	19.53	20.5	0	
10	64QAM	1	49	19.52	19.46	19.51			
10	64QAM	25	0	19.46	19.51	19.63			
10	64QAM	25	12	19.67	19.52	19.73	20.5	0	
10	64QAM	25	25	19.62	19.62	19.58			
10	64QAM	50	0	19.64	19.49	19.60			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.49	19.58	19.23	20.5	0	
5	QPSK	1	12	19.54	19.42	19.47			
5	QPSK	1	24	19.52	19.46	19.52			
5	QPSK	12	0	19.42	19.62	19.56	20.5	0	
5	QPSK	12	7	19.66	19.66	19.50			
5	QPSK	12	13	19.59	19.46	19.63			
5	QPSK	25	0	19.44	19.63	19.59	20.5	0	
5	16QAM	1	0	19.66	19.65	19.69			
5	16QAM	1	12	19.56	19.57	19.54			
5	16QAM	1	24	19.49	19.47	19.44	20.5	0	
5	16QAM	12	0	19.61	19.62	19.43			
5	16QAM	12	7	19.66	19.55	19.62			
5	16QAM	12	13	19.54	19.66	19.40	20.5	0	
5	16QAM	25	0	19.57	19.47	19.73			
5	64QAM	1	0	19.62	19.41	19.73			
5	64QAM	1	12	19.55	19.47	19.61	20.5	0	
5	64QAM	1	24	19.55	19.62	19.39			
5	64QAM	12	0	19.55	19.51	19.53			
5	64QAM	12	7	19.52	19.59	19.62	20.5	0	
5	64QAM	12	13	19.66	19.71	19.54			
5	64QAM	25	0	19.54	19.47	19.60			

Band 12 Ant4 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	24.58	24.76	24.57	25.5	0	
10	QPSK	1	25	24.54	24.54	24.37			
10	QPSK	1	49	24.58	24.60	24.61			
10	QPSK	25	0	23.57	23.76	23.63	24.5	1	
10	QPSK	25	12	23.76	23.61	23.47			
10	QPSK	25	25	23.65	23.61	23.55			
10	QPSK	50	0	23.70	23.73	23.68	24.5	1	
10	16QAM	1	0	24.13	23.82	23.76			
10	16QAM	1	25	23.76	24.06	23.74			
10	16QAM	1	49	23.75	23.83	24.08	23.5	2	
10	16QAM	25	0	22.66	22.56	22.56			
10	16QAM	25	12	22.75	22.75	22.50			
10	16QAM	25	25	22.69	22.58	22.80	23.5	2	
10	16QAM	50	0	22.70	22.65	22.66			
10	64QAM	1	0	22.71	22.72	22.66			
10	64QAM	1	25	22.59	22.75	22.63	23.5	2	
10	64QAM	1	49	22.61	22.88	22.61			
10	64QAM	25	0	21.69	21.62	21.56			
10	64QAM	25	12	21.79	21.62	21.72	22.5	3	
10	64QAM	25	25	21.64	21.59	21.73			
10	64QAM	50	0	21.71	21.56	21.49			
Channel				23035	23095	23155	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	24.50	24.75	24.70	25.5	0	
5	QPSK	1	12	24.71	24.68	24.61			
5	QPSK	1	24	24.72	24.74	24.66			
5	QPSK	12	0	23.79	23.81	23.78	24.5	1	
5	QPSK	12	7	23.77	23.83	23.79			
5	QPSK	12	13	23.89	23.80	23.72			
5	QPSK	25	0	23.86	23.75	23.77	24.5	1	
5	16QAM	1	0	23.83	23.76	23.85			
5	16QAM	1	12	23.86	23.77	23.83			
5	16QAM	1	24	23.73	23.87	23.86	23.5	2	
5	16QAM	12	0	22.86	22.82	22.72			
5	16QAM	12	7	22.77	22.86	22.88			
5	16QAM	12	13	22.67	22.79	22.75	23.5	2	
5	16QAM	25	0	22.86	22.72	22.67			
5	64QAM	1	0	23.07	22.99	23.02			
5	64QAM	1	12	22.75	22.90	22.98	22.5	3	
5	64QAM	1	24	22.81	23.07	23.10			
5	64QAM	12	0	21.86	21.75	21.89			
5	64QAM	12	7	22.02	21.74	21.85	22.5	3	
5	64QAM	12	13	21.75	21.85	21.69			
5	64QAM	25	0	21.78	21.73	21.66			
Channel				23025	23095	23165	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	24.54	24.72	24.55	25.5	0	
3	QPSK	1	8	24.64	24.66	24.50			
3	QPSK	1	14	24.75	24.45	24.58			
3	QPSK	8	0	23.71	23.65	23.67	24.5	1	
3	QPSK	8	4	23.77	23.73	23.63			
3	QPSK	8	7	23.79	23.65	23.68			
3	QPSK	15	0	23.74	23.62	23.55	24.5	1	
3	16QAM	1	0	23.42	23.79	23.62			
3	16QAM	1	8	23.58	23.61	23.72			
3	16QAM	1	14	23.67	23.59	23.76	23.5	2	
3	16QAM	8	0	22.72	22.82	22.46			
3	16QAM	8	7	22.85	22.78	22.79			
3	16QAM	15	0	22.81	22.63	22.64	23.5	2	
3	64QAM	1	0	22.82	22.81	22.55			
3	64QAM	1	5	22.61	22.75	22.59			
3	64QAM	1	14	22.71	22.82	22.87	22.5	3	
3	64QAM	8	0	21.76	21.67	21.70			
3	64QAM	8	4	21.84	21.85	21.83			
3	64QAM	8	7	21.74	21.54	21.72	22.5	3	
3	64QAM	15	0	21.86	21.62	21.51			
Channel				23071	23095	23171	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				703.1	707.5	715.3			
1.4	QPSK	1	0	24.62	24.70	24.60	25.5	0	
1.4	QPSK	1	3	24.65	24.57	24.42			
1.4	QPSK	1	5	24.48	24.40	24.53			
1.4	QPSK	3	0	24.65	24.57	24.42	24.5	1	
1.4	QPSK	3	1	24.74	24.60	24.58			
1.4	QPSK	3	3	24.53	24.44	24.51			
1.4	16QAM	6	0	23.71	23.50	23.53	23.5	2	
1.4	16QAM	1	0	23.94	23.84	23.84			
1.4	16QAM	1	3	23.65	23.86	23.90			
1.4	16QAM	1	5	23.74	23.80	23.81	24.5	1	
1.4	16QAM	1	3	23.81	23.71	23.66			
1.4	16QAM	3	1	23.67	23.93	23.79			
1.4	16QAM	3	1	23.77	23.93	23.90	23.5	2	
1.4	16QAM	6	0	22.67	22.50	22.46			
1.4	64QAM	1	0	22.84	22.69	22.98			
1.4	64QAM	1	3	23.03	23.00	22.71	23.5	2	
1.4	64QAM	1	5	22.76	22.64	22.82			
1.4	64QAM	1	3	22.74	22.69	22.72			
1.4	64QAM	3	1	22.67	22.68	22.67	22.5	2	
1.4	64QAM	3	3	22.58	22.61	22.80			
1.4	64QAM	6	0	21.60	21.59	21.53			

Band 26 Ant4 DS14									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch./ Freq.	Power Mid/Freq.	Power Hgt./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	24.42	24.40	24.38	25.5	0	
15	QPSK	1	37	24.36	24.30	24.34			
15	QPSK	1	74	24.38	24.28	24.23			
15	QPSK	36	0	23.52	23.54	23.26	24.5	1	
15	QPSK	36	20	23.30	23.49	23.26			
15	QPSK	36	39	23.31	23.28	23.36			
15	QPSK	75	0	23.38	23.49	23.43	24.5	1	
15	16QAM	1	0	23.35	23.48	23.38			
15	16QAM	1	37	23.24	23.38	23.34			
15	16QAM	1	74	23.29	23.46	23.19	23.5	2	
15	16QAM	36	0	22.44	22.38	22.28			
15	16QAM	36	20	22.40	22.33	22.17			
15	16QAM	36	39	22.35	22.38	22.17	23.5	2	
15	16QAM	75	0	22.42	22.37	22.28			
15	64QAM	1	0	22.32	22.54	22.38			
15	64QAM	1	37	22.21	22.35	22.20	23.5	2	
15	64QAM	1	74	22.33	22.41	22.31			
15	64QAM	36	0	21.43	21.55	21.49			
15	64QAM	36	20	21.33	21.32	21.35	22.5	3	
15	64QAM	36	39	21.36	21.29	21.28			
15	64QAM	75	0	21.32	21.47	21.47			
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	24.37	24.35	24.35	25.5	0	
10	QPSK	1	25	24.21	24.21	24.25			
10	QPSK	1	49	24.25	24.26	24.07			
10	QPSK	25	0	23.39	23.45	23.11	24.5	1	
10	QPSK	25	12	23.23	23.44	23.23			
10	QPSK	25	25	23.12	23.10	23.35			
10	QPSK	50	0	23.36	23.43	23.32	24.5	1	
10	16QAM	1	0	23.35	23.32	23.20			
10	16QAM	1	25	23.18	23.18	23.18			
10	16QAM	1	49	23.09	23.42	23.07	23.5	2	
10	16QAM	25	0	22.40	22.18	22.21			
10	16QAM	25	12	22.21	22.28	22.07			
10	16QAM	25	25	22.27	22.19	22.09	23.5	2	
10	16QAM	50	0	22.33	22.36	22.16			
10	64QAM	1	0	22.28	22.35	22.26			
10	64QAM	1	25	22.04	22.27	22.15	23.5	2	
10	64QAM	1	49	22.13	22.33	22.14			
10	64QAM	25	0	21.41	21.38	21.39			
10	64QAM	25	12	21.29	21.16	21.20	22.5	3	
10	64QAM	25	25	21.26	21.28	21.18			
10	64QAM	50	0	21.16	21.43	21.34			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	24.32	24.39	24.22	25.5	0	
5	QPSK	1	12	24.29	24.24	24.41			
5	QPSK	1	24	24.25	24.20	24.20			
5	QPSK	12	0	23.35	23.54	23.22	24.5	1	
5	QPSK	12	7	23.29	23.45	23.32			
5	QPSK	12	13	23.16	23.19	23.29			
5	QPSK	25	0	23.30	23.37	23.54	24.5	1	
5	16QAM	1	0	23.24	23.32	23.39			
5	16QAM	1	12	23.22	23.34	23.37			
5	16QAM	1	24	23.12	23.33	23.12	23.5	2	
5	16QAM	12	0	22.30	22.41	22.28			
5	16QAM	12	7	22.40	22.33	22.12			
5	16QAM	12	13	22.20	22.25	22.08	23.5	2	
5	16QAM	25	0	22.49	22.30	22.23			
5	64QAM	1	0	22.31	22.51	22.44			
5	64QAM	1	12	22.27	22.31	22.23	23.5	2	
5	64QAM	1	24	22.20	22.38	22.25			
5	64QAM	12	0	21.34	21.43	21.48			
5	64QAM	12	7	21.32	21.32	21.40	22.5	3	
5	64QAM	12	13	21.32	21.33	21.11			
5	64QAM	25	0	21.22	21.40	21.48			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	24.43	24.33	24.42	25.5	0	
3	QPSK	1	8	24.21	24.14	24.57			
3	QPSK	1	14	24.39	24.33	24.10			
3	QPSK	8	0	23.43	23.41	23.31	24.5	1	
3	QPSK	8	4	23.21	23.49	23.12			
3	QPSK	8	7	23.21	23.34	23.25			
3	QPSK	15	0	23.30	23.30	23.33	24.5	1	
3	16QAM	1	0	23.21	23.41	23.32			
3	16QAM	1	8	23.13	23.34	23.39			
3	16QAM	1	14	23.24	23.41	23.22	23.5	2	
3	16QAM	8	0	22.38	22.30	22.20			
3	16QAM	8	4	22.28	22.18	22.07			
3	16QAM	8	7	22.28	22.24	22.17	23.5	2	
3	16QAM	15	0	22.46	22.36	22.31			
3	64QAM	1	0	22.22	22.37	22.40			
3	64QAM	1	8	22.26	22.23	22.13	23.5	2	
3	64QAM	1	14	22.34	22.36	22.22			
3	64QAM	8	0	21.40	21.41	21.55			
3	64QAM	8	4	21.19	21.21	21.22	22.5	3	
3	64QAM	8	7	21.43	21.26	21.24			
3	64QAM	15	0	21.34	21.40	21.43			
Channel				26897	26855	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	24.42	24.46	24.31	25.5	0	
1.4	QPSK	1	3	24.25	24.29	24.28			
1.4	QPSK	1	5	24.23	24.42	24.10			
1.4	QPSK	3	0	24.32	24.43	24.28	24.5	1	
1.4	QPSK	3	1	24.27	24.41	24.26			
1.4	QPSK	3	3	24.40	24.38	24.15			
1.4	QPSK	6	0	23.52	23.34	23.28	24.5	1	
1.4	16QAM	1	0	23.33	23.35	23.15			
1.4	16QAM	1	3	23.17	23.20	23.16			
1.4	16QAM	1	5	23.02	23.21	23.06	24.5	1	
1.4	16QAM	3	0	23.23	23.25	23.21			
1.4	16QAM	3	1	23.26	23.42	23.06			
1.4	16QAM	3	3	23.31	23.18	23.06	23.5	2	
1.4	16QAM	6	0	22.47	22.23	22.18			
1.4	64QAM	1	0	22.33	22.40	22.42			
1.4	64QAM	1	3	22.33	22.27	22.17	23.5	2	
1.4	64QAM	1	5	22.26	22.38	22.04			
1.4	64QAM	3	0	22.39	22.36	22.38			
1.4	64QAM	3	1	22.34	22.45	22.26	22.5	3	
1.4	64QAM	3	3	22.42	22.30	22.17			
1.4	64QAM	6	0	21.51	21.28	21.18			

Band 38 Ant4 DS4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	22	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.21	21.47	21.19	22	0	
20	QPSK	1	49	21.27	21.15	21.43			
20	QPSK	1	99	21.27	21.10	21.13			
20	QPSK	50	0	20.99	21.29	21.06			
20	QPSK	50	24	21.16	20.99	21.21			
20	QPSK	50	50	21.09	20.92	20.91			
20	QPSK	100	0	20.81	20.91	20.84	22	0	
20	16QAM	1	0	20.96	21.30	21.03			
20	16QAM	1	49	21.10	20.95	21.28			
20	16QAM	1	99	21.09	20.89	20.87			
20	16QAM	50	0	20.39	20.84	20.50			
20	16QAM	50	24	20.56	20.79	20.65			
20	16QAM	50	50	20.66	20.48	20.38	21.5	0.5	
20	16QAM	100	0	20.57	20.40	20.39			
20	64QAM	1	0	20.45	20.82	20.49			
20	64QAM	1	49	20.60	20.80	20.70			
20	64QAM	1	99	20.58	20.41	20.42			
20	64QAM	50	0	19.49	19.81	19.48			
20	64QAM	50	24	19.48	19.76	19.75	20.5	1.5	
20	64QAM	50	50	19.71	19.58	19.44			
20	64QAM	100	0	19.51	19.39	19.38			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	22	0	
15	QPSK	1	0	21.00	21.27	20.93			
15	QPSK	1	37	21.17	21.01	21.21	22	0	
15	QPSK	1	74	21.06	20.81	21.01			
15	QPSK	36	0	20.72	21.05	20.83			
15	QPSK	36	20	20.91	20.70	21.09			
15	QPSK	36	39	20.90	20.82	20.78			
15	QPSK	75	0	20.63	20.64	20.56			
15	16QAM	1	0	20.67	21.06	20.91	22	0	
15	16QAM	1	37	20.90	20.85	21.04			
15	16QAM	1	74	20.84	20.64	20.68			
15	16QAM	36	0	20.11	20.58	20.30			
15	16QAM	36	20	20.44	20.60	20.39			
15	16QAM	36	39	20.40	20.35	20.14			
15	16QAM	75	0	20.40	20.14	20.12	21.5	0.5	
15	64QAM	1	0	20.34	20.66	20.23			
15	64QAM	1	37	20.40	20.67	20.41			
15	64QAM	1	74	20.37	20.26	20.24			
15	64QAM	36	0	19.38	19.68	19.21			
15	64QAM	36	20	19.35	19.48	19.45			
15	64QAM	36	39	19.48	19.36	19.26	20.5	1.5	
15	64QAM	75	0	19.24	19.28	19.27			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	22	0	
10	QPSK	1	0	21.03	21.29	20.96			
10	QPSK	1	25	21.03	21.02	21.30	22	0	
10	QPSK	1	49	21.02	20.81	20.90			
10	QPSK	25	0	20.71	21.14	20.91			
10	QPSK	25	12	20.95	20.87	21.04			
10	QPSK	25	25	20.87	20.70	20.72			
10	QPSK	50	0	20.57	20.64	20.62			
10	16QAM	1	0	20.83	21.13	20.77	22	0	
10	16QAM	1	25	21.00	20.76	21.02			
10	16QAM	1	49	20.90	20.68	20.64			
10	16QAM	25	0	20.52	20.71	20.33			
10	16QAM	25	12	20.28	20.60	20.37			
10	16QAM	25	25	20.50	20.35	20.33			
10	16QAM	50	0	20.29	20.24	20.10	21.5	0.5	
10	64QAM	1	0	20.29	20.60	20.36			
10	64QAM	1	25	20.37	20.58	20.46			
10	64QAM	1	49	20.47	20.26	20.28			
10	64QAM	25	0	19.21	19.61	19.21			
10	64QAM	25	12	19.20	19.48	19.48			
10	64QAM	25	25	19.59	19.43	19.32	20.5	1.5	
10	64QAM	50	0	19.32	19.11	19.09			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	22	0	
5	QPSK	1	0	21.04	21.28	20.96			
5	QPSK	1	12	21.16	21.01	21.14	22	0	
5	QPSK	1	24	21.02	20.98	21.00			
5	QPSK	12	0	20.77	21.07	20.81			
5	QPSK	12	7	20.91	20.84	20.95			
5	QPSK	12	13	20.94	20.68	20.80			
5	QPSK	25	0	20.56	20.81	20.59	22	0	
5	16QAM	1	0	20.81	21.01	20.73			
5	16QAM	1	12	20.85	20.71	20.58			
5	16QAM	1	24	20.62	20.69	20.65			
5	16QAM	12	0	20.15	20.56	20.37			
5	16QAM	12	7	20.35	20.42	20.38			
5	16QAM	12	13	20.39	20.22	20.13	21.5	0.5	
5	16QAM	25	0	20.38	20.19	20.17			
5	64QAM	1	0	20.52	20.70	20.36			
5	64QAM	1	12	20.32	20.61	20.51			
5	64QAM	1	24	20.38	20.26	20.30			
5	64QAM	12	0	19.27	19.58	19.24			
5	64QAM	12	7	19.25	19.54	19.52	20.5	1.5	
5	64QAM	12	13	19.54	19.38	19.25			
5	64QAM	25	0	19.27	19.19	19.21			

Band 41 Ant4 DS4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	22	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.23	21.30	21.62	21.52	21.48	22	0
20	QPSK	1	49	21.46	21.59	21.50	21.37	21.35		
20	QPSK	1	99	21.27	21.32	21.50	21.42	21.34		
20	QPSK	50	0	20.47	20.47	20.68	20.44	20.46		
20	QPSK	50	24	20.37	20.57	20.51	20.53	20.38		
20	QPSK	50	50	20.41	20.54	20.58	20.54	20.36		
20	QPSK	100	0	20.55	20.56	20.69	20.53	20.48	22	0
20	16QAM	1	0	20.48	20.60	20.71	20.55	20.66		
20	16QAM	1	49	20.54	20.60	20.68	20.65	20.57		
20	16QAM	1	99	20.35	20.60	20.48	20.52	20.51		
20	16QAM	50	0	19.86	19.84	20.25	20.01	19.97		
20	16QAM	50	24	19.81	20.13	19.94	20.06	19.78		
20	16QAM	50	50	19.81	20.06	20.08	20.09	19.82	21.5	0.5
20	16QAM	100	0	20.13	20.06	20.10	20.04	20.00		
20	64QAM	1	0	19.93	19.89	20.27	20.02	19.85		
20	64QAM	1	49	19.92	20.11	19.99	19.98	19.82		
20	64QAM	1	99	19.80	19.93	20.05	20.03	19.91		
20	64QAM	50	0	18.91	18.86	19.19	19.02	18.94		
20	64QAM	50	24	18.77	19.10	18.93	19.03	18.76	20.5	1.5
20	64QAM	50	50	18.86	19.05	19.11	19.15	18.82		
20	64QAM	100	0	19.18	19.06	19.12	19.05	19.01		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	22.00	0
15	QPSK	1	0	21.05	21.13	21.35	21.28	21.35		
15	QPSK	1	37	21.22	21.34	21.27	21.19	21.11	22	0
15	QPSK	1	74	21.09	21.10	21.26	21.15	21.09		
15	QPSK	36	0	20.20	20.29	20.55	20.25	20.28		
15	QPSK	36	20	20.13	20.36	20.29	20.36	20.15		
15	QPSK	36	39	20.21	20.30	20.39	20.37	20.13	22	0
15	QPSK	75	0	20.37	20.41	20.43	20.28	20.32		
15	16QAM	1	0	20.28	20.35	20.49	20.28	20.50		
15	16QAM	1	37	20.28	20.34	20.51	20.47	20.35		
15	16QAM	1	74	20.10	20.42	20.22	20.38	20.28	21.5	0.5
15	16QAM	36	0	19.66	19.60	20.02	19.87	19.79		
15	16QAM	36	20	19.67	19.90	19.69	19.83	19.61		
15	16QAM	36	39	19.57	19.81	19.90	19.93	19.61		
15	16QAM	75	0	19.97	19.83	19.89	19.86	19.82	21.5	0.5
15	64QAM	1	0	19.69	19.69	20.03	19.87	19.71		
15	64QAM	1	37	19.74	19.94	19.77	19.81	19.56		
15	64QAM	1	74	19.63	19.67	19.91	19.84	19.69		
15	64QAM	36	0	18.72	18.69	18.96	18.84	18.70	20.5	1.5
15	64QAM	36	20	18.55	18.87	18.70	18.84	18.57		
15	64QAM	36	39	18.70	18.78	18.85	19.02	18.59		
15	64QAM	75	0	18.93	18.83	18.87	18.81	18.80		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	22.00	0
10	QPSK	1	0	20.98	21.05	21.39	21.34	21.22		
10	QPSK	1	25	21.31	21.42	21.32	21.15	21.13	22	0
10	QPSK	1	49	21.13	21.07	21.35	21.19	21.09		
10	QPSK	25	0	20.24	20.31	20.43	20.24	20.26		
10	QPSK	25	12	20.21	20.38	20.36	20.31	20.16		
10	QPSK	25	25	20.15	20.36	20.42	20.29	20.15	22	0
10	QPSK	50	0	20.34	20.35	20.45	20.32	20.31		
10	16QAM	1	0	20.26	20.40	20.50	20.40	20.46		
10	16QAM	1	25	20.31	20.37	20.50	20.45	20.38		
10	16QAM	1	49	20.17	20.45	20.27	20.31	20.28	21.5	0.5
10	16QAM	25	0	19.61	19.64	20.09	19.84	19.73		
10	16QAM	25	12	19.63	19.93	19.78	19.87	19.63		
10	16QAM	25	25	19.65	19.90	19.86	19.92	19.64		
10	16QAM	50	0	19.92	19.82	19.88	19.82	19.76	21.5	0.5
10	64QAM	1	0	19.74	19.66	20.04	19.86	19.66		
10	64QAM	1	25	19.71	19.95	19.75	19.77	19.63		
10	64QAM	1	49	19.62	19.68	19.82	19.86	19.75		
10	64QAM	25	0	18.76	18.64	18.95	18.88	18.74	20.5	1.5
10	64QAM	25	12	18.52	18.85	18.69	18.87	18.61		
10	64QAM	25	25	18.70	18.89	18.91	18.92	18.63		
10	64QAM	50	0	19.02	18.87	18.96	18.90	18.76		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	22.00	0
5	QPSK	1	0	21.03	21.15	21.38	21.34	21.27		
5	QPSK	1	12	21.22	21.43	21.25	21.19	21.16	22	0
5	QPSK	1	24	21.05	21.10	21.30	21.21	21.11		
5	QPSK	12	0	20.29	20.28	20.44	20.19	20.26		
5	QPSK	12	7	20.15	20.37	20.30	20.30	20.16		
5	QPSK	12	13	20.16	20.40	20.33	20.32	20.19	22	0
5	QPSK	25	0	20.38	20.34	20.47	20.30	20.33		
5	16QAM	1	0	20.30	20.35	20.50	20.39	20.46		
5	16QAM	1	12	20.34	20.43	20.50	20.41	20.42		
5	16QAM	1	24	20.11	20.42	20.31	20.33	20.35	21.5	0.5
5	16QAM	12	0	19.61	19.59	20.05	19.84	19.73		
5	16QAM	12	7	19.56	19.87	19.70	19.82	19.55		
5	16QAM	12	13	19.65	19.86	19.89	19.85	19.57		
5	16QAM	25	0	19.92	19.91	19.93	19.86	19.75	21.5	0.5
5	64QAM	1	0	19.77	19.74	20.02	19.85	19.62		
5	64QAM	1	12	19.73	19.90	19.80	19.75	19.64		
5	64QAM	1	24	19.62	19.79	19.83	19.80	19.74		
5	64QAM	12	0	18.76	18.64	19.01	18.82	18.78	20.5	1.5
5	64QAM	12	7	18.52	18.94	18.76	18.80	18.60		
5	64QAM	12	13	18.63	18.85	18.96	18.91	18.61		
5	64QAM	25	0	18.86	18.84	18.93	18.79	18.84		



Reduced power level for WWAN-ENDC

Band 2 DS11												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	15.30	15.30	15.00	16.5	0				
20	QPSK	1	49	15.37	15.42	15.34						
20	QPSK	1	99	15.23	15.41	15.36						
20	QPSK	50	0	15.30	15.46	15.44						
20	QPSK	50	24	15.40	15.42	15.25						
20	QPSK	50	50	15.17	15.39	15.31	16.5	0				
20	QPSK	100	0	15.27	15.42	15.23						
20	16QAM	1	0	15.32	15.38	15.20						
20	16QAM	1	49	15.37	15.36	15.15						
20	16QAM	1	99	15.30	15.31	15.11						
20	16QAM	50	0	15.29	15.29	15.29	16.5	0				
20	16QAM	50	24	15.19	15.31	15.29						
20	16QAM	50	50	15.17	15.26	15.23						
20	16QAM	100	0	15.31	15.32	15.30						
20	64QAM	1	0	15.19	15.31	15.16						
20	64QAM	1	49	15.05	15.23	15.05	16.5	0				
20	64QAM	1	99	15.35	15.34	15.33						
20	64QAM	50	0	15.18	15.29	15.07						
20	64QAM	50	24	15.21	15.42	15.20						
20	64QAM	50	50	15.30	15.32	15.24						
20	64QAM	100	0	15.33	15.36	15.32	16.5	0				
Channel												
Frequency (MHz)												
15	QPSK	1	0	15.31	15.33	15.28	16.5	0				
15	QPSK	1	37	15.21	15.40	15.23						
15	QPSK	1	74	15.18	15.27	15.15						
15	QPSK	36	0	15.16	15.33	15.34						
15	QPSK	36	20	15.23	15.21	15.18						
15	QPSK	36	39	15.04	15.27	15.28	16.5	0				
15	QPSK	75	0	15.22	15.31	15.11						
15	16QAM	1	0	15.19	15.13	15.04						
15	16QAM	1	37	15.27	15.27	15.00						
15	16QAM	1	74	15.21	15.15	15.10						
15	16QAM	36	0	15.24	15.08	15.22	16.5	0				
15	16QAM	36	20	15.03	15.11	15.09						
15	16QAM	36	39	15.08	15.22	15.19						
15	16QAM	75	0	15.30	15.32	15.13						
15	64QAM	1	0	15.19	15.13	15.04						
15	64QAM	1	37	15.21	15.14	15.21	16.5	0				
15	64QAM	1	74	15.14	15.33	15.28						
15	64QAM	36	0	15.10	15.29	15.29						
15	64QAM	36	20	15.16	15.25	15.12						
15	64QAM	36	39	15.24	15.34	15.02						
15	64QAM	75	0	15.13	15.22	15.26	16.5	0				
Channel												
Frequency (MHz)												
10	QPSK	1	0	15.48	15.45	15.36	16.5	0				
10	QPSK	1	25	15.21	15.41	15.28						
10	QPSK	1	49	15.09	15.33	15.23						
10	QPSK	25	0	15.18	15.38	15.45						
10	QPSK	25	12	15.23	15.22	15.24						
10	QPSK	25	25	15.06	15.28	15.19	16.5	0				
10	QPSK	50	0	15.19	15.32	15.11						
10	16QAM	1	0	15.28	15.17	15.15						
10	16QAM	1	25	15.20	15.17	15.05						
10	16QAM	1	49	15.25	15.24	15.10						
10	16QAM	25	0	15.17	15.13	15.28	16.5	0				
10	16QAM	25	12	15.11	15.18	15.09						
10	16QAM	25	25	15.01	15.04	15.02						
10	16QAM	50	0	15.11	15.15	15.12						
10	64QAM	1	0	15.04	15.15	15.11						
10	64QAM	1	25	15.16	15.03	15.21	16.5	0				
10	64QAM	1	49	15.21	15.32	15.13						
10	64QAM	25	0	15.01	15.30	15.04						
10	64QAM	25	12	15.12	15.35	15.17						
10	64QAM	25	25	15.08	15.15	15.11						
10	64QAM	50	0	15.11	15.23	15.15	16.5	0				
Channel												
Frequency (MHz)												
5	QPSK	1	0	15.42	15.33	15.25	16.5	0				
5	QPSK	1	12	15.21	15.39	15.35						
5	QPSK	1	24	15.10	15.30	15.36						
5	QPSK	12	0	15.10	15.27	15.28						
5	QPSK	12	7	15.35	15.41	15.21						
5	QPSK	12	13	15.21	15.39	15.13	16.5	0				
5	QPSK	25	0	15.27	15.25	15.07						
5	16QAM	1	0	15.15	15.38	15.15						
5	16QAM	1	12	15.30	15.18	15.12						
5	16QAM	1	24	15.13	15.31	15.32						
5	16QAM	12	0	15.09	15.25	15.11	16.5	0				
5	16QAM	12	7	15.05	15.29	15.27						
5	16QAM	12	13	15.23	15.23	15.17						
5	16QAM	25	0	15.16	15.16	15.10						
5	64QAM	1	0	15.15	15.23	15.09						
5	64QAM	1	12	15.02	15.18	15.23	16.5	0				
5	64QAM	1	24	15.37	15.23	15.31						
5	64QAM	12	0	15.21	15.30	15.32						
5	64QAM	12	7	15.13	15.42	15.01						
5	64QAM	12	13	15.14	15.25	15.03						
5	64QAM	25	0	15.29	15.23	15.19	16.5	0				
Channel												
Frequency (MHz)												
3	QPSK	1	0	15.42	15.36	15.34	16.5	0				
3	QPSK	1	8	15.22	15.40	15.20						
3	QPSK	1	14	15.22	15.39	15.26						
3	QPSK	8	0	15.09	15.37	15.45						
3	QPSK	8	4	15.32	15.30	15.13						
3	QPSK	8	7	15.23	15.23	15.29	16.5	0				
3	QPSK	15	0	15.15	15.32	15.02						
3	16QAM	1	0	15.22	15.18	15.19						
3	16QAM	1	8	15.26	15.35	15.20						
3	16QAM	1	14	15.19	15.30	15.27						
3	16QAM	8	0	15.14	15.21	15.24	16.5	0				
3	16QAM	8	4	15.17	15.17	15.08						
3	16QAM	8	7	15.12	15.27	15.16						
3	16QAM	15	0	15.31	15.19	15.20						
3	64QAM	1	0	15.15	15.16	15.08						
3	64QAM	1	8	15.32	15.10	15.32	16.5	0				
3	64QAM	1	14	15.13	15.30	15.22						
3	64QAM	8	0	15.13	15.08	15.18						
3	64QAM	8	4	15.19	15.27	15.05						
3	64QAM	8	7	15.27	15.18	15.25						
3	64QAM	15	0	15.32	15.32	15.10	16.5	0				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	15.29	15.48	15.26	16.5	0				
1.4	QPSK	1	3	15.37	15.24	15.27						
1.4	QPSK	1	5	15.20	15.39	15.38						
1.4	QPSK	3	0	15.13	15.41	15.30						
1.4	QPSK	3	1	15.33	15.25	15.04						
1.4	QPSK	3	3	15.00	15.22	15.29	16.5	0				
1.4	QPSK	6	0	15.17	15.40	15.12						
1.4	16QAM	1	0	15.25	15.18	15.11						
1.4	16QAM	1	3	15.33	15.25	15.03						
1.4	16QAM	1	5	15.29	15.19	15.10						
1.4	16QAM	3	0	15.25	15.08	15.07	16.5	0				
1.4	16QAM	3	1	15.11	15.25	15.23						
1.4	16QAM	3	3	15.13	15.10	15.13						
1.4	16QAM	6	0	15.27	15.26	15.29						
1.4	64QAM	1	0	15.02	15.30	15.07	16.5	0				
1.4	64QAM	1	3	15.00	15.20	15.26						
1.4	64QAM	1	5	15.15	15.24	15.22						
1.4	64QAM	3	0	15.05	15.17	15.03						
1.4	64QAM	3	1	15.26	15.27	15.05						
1.4	64QAM	3	3	15.09	15.22	15.08	16.5	0				
1.4	64QAM	6	0	15.26	15.14	15.19						

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	2143	2159	2143	22.5	0	
15	QPSK	1	37	2129	2134	2129			
15	QPSK	1	74	2115	2130	2133			
15	QPSK	36	0	2142	2153	2152	22.5	0	
15	QPSK	36	20	2150	2151	2129			
15	QPSK	36	39	2119	2136	2136			
15	QPSK	75	0	2135	2146	2125	22.5	0	
15	16QAM	1	0	2134	2140	2119			
15	16QAM	1	37	2138	2133	2115			
15	16QAM	1	74	2129	2137	2118	22.5	0	
15	16QAM	36	0	2128	2135	2138			
15	16QAM	36	20	2129	2137	2132			
15	16QAM	36	39	2108	2132	2118	22.5	0	
15	16QAM	75	0	2130	2127	2120			
15	64QAM	1	0	2110	2128	2127			
15	64QAM	1	37	2099	2119	2098	22.5	0	
15	64QAM	1	74	2139	2132	2122			
15	64QAM	36	0	2127	2131	2108			
15	64QAM	36	20	2123	2135	2113	22.5	0	
15	64QAM	36	39	2127	2121	2114			
15	64QAM	75	0	2137	2141	2123			
Channel				20740	20865	20990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				810	831.5	844			
10	QPSK	1	0	2132	2132	2125	22.5	0	
10	QPSK	1	26	2124	2120	2118			
10	QPSK	1	49	2110	2130	2137			
10	QPSK	25	0	2118	2131	2132	22.5	0	
10	QPSK	25	12	2125	2138	2108			
10	QPSK	25	25	2110	2127	2110			
10	QPSK	50	0	2125	2128	2120	22.5	0	
10	16QAM	1	0	2114	2120	2114			
10	16QAM	1	26	2118	2120	2100			
10	16QAM	1	49	2128	2119	2107	22.5	0	
10	16QAM	25	0	2110	2130	2118			
10	16QAM	25	12	2105	2131	2116			
10	16QAM	25	25	2117	2115	2103	22.5	0	
10	16QAM	50	0	2130	2116	2125			
10	64QAM	1	0	2109	2117	2097			
10	64QAM	1	26	2087	2114	2098	22.5	0	
10	64QAM	1	49	2121	2124	2130			
10	64QAM	25	0	2109	2122	2106			
10	64QAM	25	12	2109	2123	2101	22.5	0	
10	64QAM	25	25	2116	2122	2119			
10	64QAM	50	0	2118	2126	2114			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	2139	2139	2134	22.5	0	
5	QPSK	1	12	2137	2138	2134			
5	QPSK	1	24	2111	2123	2130			
5	QPSK	12	0	2122	2133	2144	22.5	0	
5	QPSK	12	7	2140	2137	2104			
5	QPSK	12	13	2109	2132	2113			
5	QPSK	25	0	2106	2136	2107	22.5	0	
5	16QAM	1	0	2111	2130	2111			
5	16QAM	1	12	2122	2130	2097			
5	16QAM	1	24	2121	2126	2099	22.5	0	
5	16QAM	12	0	2113	2116	2118			
5	16QAM	12	7	2112	2128	2110			
5	16QAM	12	13	2115	2115	2111	22.5	0	
5	16QAM	25	0	2112	2124	2126			
5	64QAM	1	0	2102	2111	2112			
5	64QAM	1	12	2102	2124	2086	22.5	0	
5	64QAM	1	24	2130	2113	2117			
5	64QAM	12	0	2115	2107	2098			
5	64QAM	12	7	2117	2130	2101	22.5	0	
5	64QAM	12	13	2125	2121	2121			
5	64QAM	25	0	2113	2131	2124			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	2140	2139	2142	22.5	0	
3	QPSK	1	8	2127	2141	2123			
3	QPSK	1	14	2118	2136	2122			
3	QPSK	8	0	2108	2139	2144	22.5	0	
3	QPSK	8	4	2125	2139	2126			
3	QPSK	8	7	2111	2123	2109			
3	QPSK	15	0	2105	2126	2108	22.5	0	
3	16QAM	1	0	2120	2138	2108			
3	16QAM	1	8	2127	2117	2101			
3	16QAM	1	14	2121	2112	2104	22.5	0	
3	16QAM	8	0	2109	2125	2125			
3	16QAM	8	4	2109	2116	2114			
3	16QAM	8	7	2106	2120	2101	22.5	0	
3	16QAM	15	0	2116	2126	2127			
3	64QAM	1	0	2115	2129	2103			
3	64QAM	1	8	2098	2104	2102	22.5	0	
3	64QAM	1	14	2131	2126	2117			
3	64QAM	8	0	2099	2119	2094			
3	64QAM	8	4	2121	2136	2109	22.5	0	
3	64QAM	8	7	2119	2115	2105			
3	64QAM	15	0	2121	2138	2113			
Channel				26597	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	2145	2151	2125	22.5	0	
1.4	QPSK	1	3	2134	2131	2113			
1.4	QPSK	1	5	2114	2131	2123			
1.4	QPSK	3	0	2109	2140	2127	22.5	0	
1.4	QPSK	3	1	2125	2140	2107			
1.4	QPSK	3	3	2035	2136	2126			
1.4	QPSK	6	0	2121	2142	2109	22.5	0	
1.4	16QAM	1	0	2123	2124	2106			
1.4	16QAM	1	3	2116	2129	2103			
1.4	16QAM	1	5	2110	2118	2105	22.5	0	
1.4	16QAM	3	0	2113	2112	2126			
1.4	16QAM	3	1	2102	2116	2130			
1.4	16QAM	3	3	2101	2107	2107	22.5	0	
1.4	16QAM	6	0	2118	2118	2125			
1.4	64QAM	1	0	2118	2127	2117			
1.4	64QAM	1	3	2099	2114	2091	22.5	0	
1.4	64QAM	1	5	2137	2118	2125			
1.4	64QAM	3	0	2098	2122	2100			
1.4	64QAM	3	1	2101	2132	2107	22.5	0	
1.4	64QAM	3	3	2131	2116	2115			
1.4	64QAM	6	0	2134	2136	2112			

Band 38 DS11									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	16.85	17.21	16.83	17.5	0	
20	QPSK	1	49	16.77	16.79	16.95			
20	QPSK	1	99	16.89	16.92	16.84			
20	QPSK	50	0	16.90	17.01	16.77	17.5	0	
20	QPSK	50	24	16.81	16.94	16.79			
20	QPSK	50	50	16.89	16.93	16.90			
20	QPSK	100	0	16.94	16.99	16.87	17.5	0	
20	16QAM	1	0	17.02	16.98	16.91			
20	16QAM	1	49	16.81	16.89	16.88			
20	16QAM	1	99	16.96	16.91	16.92	17.5	0	
20	16QAM	50	0	16.78	16.96	16.87			
20	16QAM	50	24	16.96	16.97	16.90			
20	16QAM	50	50	17.06	17.03	16.89	17.5	0	
20	16QAM	100	0	16.91	17.00	16.78			
20	64QAM	1	0	16.54	16.60	16.68			
20	64QAM	1	49	16.78	16.74	16.62	17.5	0	
20	64QAM	1	99	16.83	16.77	16.61			
20	64QAM	50	0	16.89	16.83	16.84			
20	64QAM	50	24	16.90	16.96	16.96	17.5	0	
20	64QAM	50	50	16.89	16.83	16.86			
20	64QAM	100	0	16.93	16.87	16.95			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	16.72	17.09	16.82	17.5	0	
15	QPSK	1	37	16.85	16.75	16.88			
15	QPSK	1	74	16.74	16.81	16.75			
15	QPSK	36	0	16.83	16.99	16.91	17.5	0	
15	QPSK	36	20	16.92	16.91	16.88			
15	QPSK	36	39	16.94	16.89	16.84			
15	QPSK	75	0	16.92	16.98	16.95	17.5	0	
15	16QAM	1	0	16.99	17.02	16.97			
15	16QAM	1	37	16.77	16.96	16.74			
15	16QAM	1	74	16.80	16.75	16.96	17.5	0	
15	16QAM	36	0	16.80	16.97	16.87			
15	16QAM	36	20	16.86	16.97	16.85			
15	16QAM	36	39	17.02	17.00	16.83	17.5	0	
15	16QAM	75	0	17.03	16.97	16.96			
15	64QAM	1	0	16.59	16.64	16.64			
15	64QAM	1	37	16.83	16.69	16.68	17.5	0	
15	64QAM	1	74	16.78	16.63	16.70			
15	64QAM	36	0	16.78	16.81	16.75			
15	64QAM	36	20	16.89	16.83	16.92	17.5	0	
15	64QAM	36	39	16.91	17.01	16.84			
15	64QAM	75	0	16.86	16.93	16.91			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	16.74	17.02	16.81	17.5	0	
10	QPSK	1	25	16.87	16.90	16.78			
10	QPSK	1	49	16.79	16.91	16.75			
10	QPSK	25	0	16.83	16.90	16.96	17.5	0	
10	QPSK	25	12	16.95	16.94	16.88			
10	QPSK	25	25	16.93	17.04	16.89			
10	QPSK	50	0	16.86	16.99	16.89	17.5	0	
10	16QAM	1	0	17.01	16.95	17.02			
10	16QAM	1	25	16.87	16.86	16.83			
10	16QAM	1	49	16.84	16.79	16.92	17.5	0	
10	16QAM	25	0	16.84	16.79	16.91			
10	16QAM	25	12	16.98	16.96	16.86			
10	16QAM	25	25	16.89	16.95	16.94	17.5	0	
10	16QAM	50	0	17.01	17.00	16.96			
10	64QAM	1	0	16.56	16.66	16.65			
10	64QAM	1	25	16.85	16.81	16.72	17.5	0	
10	64QAM	1	49	16.78	16.71	16.71			
10	64QAM	25	0	16.87	16.92	16.79			
10	64QAM	25	12	16.96	16.88	17.03	17.5	0	
10	64QAM	25	25	17.01	16.91	16.94			
10	64QAM	50	0	16.94	16.78	17.01			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	16.71	17.01	16.91	17.5	0	
5	QPSK	1	12	16.86	16.79	16.97			
5	QPSK	1	24	16.84	16.80	16.85			
5	QPSK	12	0	16.84	17.00	16.85	17.5	0	
5	QPSK	12	7	16.85	16.99	16.81			
5	QPSK	12	13	16.90	17.00	16.95			
5	QPSK	25	0	16.98	16.92	16.84	17.5	0	
5	16QAM	1	0	16.88	16.87	16.87			
5	16QAM	1	12	16.87	17.01	16.80			
5	16QAM	1	24	16.84	16.82	16.89	17.5	0	
5	16QAM	12	0	16.83	16.87	16.96			
5	16QAM	12	7	17.00	16.98	16.94			
5	16QAM	12	13	16.96	17.00	17.01	17.5	0	
5	16QAM	25	0	17.03	17.05	16.84			
5	64QAM	1	0	16.58	16.58	16.74			
5	64QAM	1	12	16.73	16.70	16.64	17.5	0	
5	64QAM	1	24	16.69	16.68	16.68			
5	64QAM	12	0	16.88	16.83	16.92			
5	64QAM	12	7	16.85	16.85	17.02	17.5	0	
5	64QAM	12	13	17.00	16.83	16.93			
5	64QAM	25	0	16.80	16.94	16.97			

Band 41 DS11										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.93	18.00	18.02	17.74	17.75	18.5	0
20	QPSK	1	49	17.94	17.70	17.68	17.63	17.66		
20	QPSK	1	99	17.65	17.77	17.68	17.73	17.72		
20	QPSK	50	0	17.53	17.90	17.93	17.86	17.86	18.5	0
20	QPSK	50	24	17.74	17.76	17.66	17.71	17.49		
20	QPSK	50	50	17.36	17.76	17.67	17.59	17.58		
20	QPSK	100	0	17.63	17.63	17.74	17.61	17.56	18.5	0
20	16QAM	1	0	17.69	17.56	17.54	17.59	17.58		
20	16QAM	1	49	17.75	17.68	17.57	17.73	17.48		
20	16QAM	1	99	17.53	17.72	17.50	17.55	17.31	18.5	0
20	16QAM	50	0	17.64	17.65	17.69	17.68	17.66		
20	16QAM	50	24	17.58	17.54	17.64	17.49	17.71		
20	16QAM	50	50	17.49	17.80	17.68	17.46	17.60	18.5	0
20	16QAM	100	0	17.73	17.70	17.70	17.50	17.50		
20	64QAM	1	0	17.73	17.70	17.73	17.51	17.47		
20	64QAM	1	49	17.57	17.55	17.60	17.47	17.28	18.5	0
20	64QAM	1	99	17.84	17.81	17.76	17.65	17.67		
20	64QAM	50	0	17.49	17.66	17.44	17.61	17.36		
20	64QAM	50	24	17.41	17.87	17.62	17.79	17.61	18.5	0
20	64QAM	50	50	17.68	17.75	17.70	17.62	17.60		
20	64QAM	100	0	17.76	17.87	17.83	17.65	17.69		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	17.90	17.97	17.56	17.59	17.65	18.50	0
15	QPSK	1	37	17.70	17.68	17.51	17.70	17.63		
15	QPSK	1	74	17.62	17.66	17.63	17.68	17.50		
15	QPSK	36	0	17.56	17.75	17.61	17.78	17.58	18.5	0
15	QPSK	36	20	17.61	17.73	17.79	17.58	17.57		
15	QPSK	36	39	17.32	17.57	17.63	17.52	17.46		
15	QPSK	75	0	17.61	17.68	17.64	17.55	17.38	18.5	0
15	16QAM	1	0	17.52	17.66	17.42	17.63	17.30		
15	16QAM	1	37	17.75	17.50	17.47	17.57	17.44		
15	16QAM	1	74	17.53	17.69	17.23	17.49	17.33	18.5	0
15	16QAM	36	0	17.45	17.59	17.67	17.41	17.48		
15	16QAM	36	20	17.45	17.44	17.44	17.41	17.43		
15	16QAM	36	39	17.32	17.69	17.40	17.42	17.48	18.5	0
15	16QAM	75	0	17.60	17.54	17.50	17.48	17.39		
15	64QAM	1	0	17.54	17.67	17.61	17.41	17.42		
15	64QAM	1	37	17.37	17.37	17.53	17.54	17.32	18.5	0
15	64QAM	1	74	17.76	17.69	17.73	17.49	17.54		
15	64QAM	36	0	17.50	17.59	17.37	17.59	17.23		
15	64QAM	36	20	17.50	17.73	17.45	17.63	17.42	18.5	0
15	64QAM	36	39	17.64	17.65	17.60	17.50	17.39		
15	64QAM	75	0	17.62	17.65	17.64	17.60	17.48		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	17.90	17.79	17.67	17.71	17.65	18.50	0
10	QPSK	1	25	17.69	17.80	17.61	17.74	17.52		
10	QPSK	1	49	17.62	17.55	17.64	17.71	17.58		
10	QPSK	25	0	17.41	17.81	17.74	17.54	17.66	18.5	0
10	QPSK	25	12	17.58	17.75	17.59	17.60	17.55		
10	QPSK	25	25	17.46	17.80	17.64	17.55	17.44		
10	QPSK	50	0	17.42	17.63	17.61	17.57	17.43	18.5	0
10	16QAM	1	0	17.50	17.63	17.57	17.64	17.50		
10	16QAM	1	25	17.77	17.62	17.35	17.54	17.45		
10	16QAM	1	49	17.53	17.53	17.33	17.60	17.26	18.5	0
10	16QAM	25	0	17.58	17.49	17.54	17.37	17.53		
10	16QAM	25	12	17.38	17.62	17.45	17.61	17.44		
10	16QAM	25	25	17.39	17.51	17.56	17.58	17.47	18.5	0
10	16QAM	50	0	17.61	17.55	17.42	17.52	17.48		
10	64QAM	1	0	17.58	17.75	17.55	17.48	17.39		
10	64QAM	1	25	17.45	17.45	17.35	17.50	17.16	18.5	0
10	64QAM	1	49	17.82	17.73	17.74	17.53	17.57		
10	64QAM	25	0	17.38	17.62	17.33	17.49	17.27		
10	64QAM	25	12	17.30	17.94	17.54	17.70	17.41	18.5	0
10	64QAM	25	25	17.69	17.62	17.68	17.49	17.38		
10	64QAM	50	0	17.51	17.72	17.74	17.61	17.52		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	17.70	17.87	17.59	17.82	17.53	18.50	0
5	QPSK	1	12	17.84	17.69	17.67	17.74	17.65		
5	QPSK	1	24	17.58	17.70	17.78	17.53	17.65		
5	QPSK	12	0	17.42	17.73	17.68	17.77	17.75	18.5	0
5	QPSK	12	7	17.57	17.78	17.70	17.60	17.53		
5	QPSK	12	13	17.46	17.74	17.72	17.68	17.55		
5	QPSK	25	0	17.42	17.59	17.59	17.55	17.45	18.5	0
5	16QAM	1	0	17.47	17.63	17.46	17.52	17.42		
5	16QAM	1	12	17.81	17.44	17.48	17.49	17.29		
5	16QAM	1	24	17.44	17.57	17.33	17.44	17.37	18.5	0
5	16QAM	12	0	17.66	17.44	17.70	17.37	17.44		
5	16QAM	12	7	17.35	17.53	17.48	17.53	17.59		
5	16QAM	12	13	17.53	17.55	17.56	17.37	17.39	18.5	0
5	16QAM	25	0	17.58	17.68	17.49	17.61	17.57		
5	64QAM	1	0	17.56	17.65	17.63	17.44	17.36		
5	64QAM	1	12	17.51	17.52	17.50	17.39	17.24	18.5	0
5	64QAM	1	24	17.83	17.69	17.64	17.47	17.57		
5	64QAM	12	0	17.27	17.69	17.49	17.59	17.37		
5	64QAM	12	7	17.45	17.78	17.54	17.64	17.48	18.5	0
5	64QAM	12	13	17.71	17.70	17.67	17.59	17.33		
5	64QAM	25	0	17.54	17.66	17.76	17.48	17.63		



Uplink CA Power

Ant 0 Full Power			DS11&2									
CA 7C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Leve	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
20850	21048	QPSK	1	99	1	0	2	0	24.05	25.50		
21100	21298	QPSK	1	99	1	0	2	0	24.27	25.50		
21350	21152	QPSK	1	0	1	99	2	0	24.29	25.50		
20850	21048	QPSK	1	49	50	0	2	0	23.06	24.50		
21100	21298	QPSK	1	49	50	0	2	0	23.34	24.50		
21350	21152	QPSK	50	0	1	49	2	0	23.21	24.50		

Ant 0 Full Power			DS11&2									
CA_38C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Leve	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
37850	38048	QPSK	1	99	1	0	2	0	24.50	25.50		
37901	38099	QPSK	1	99	1	0	2	0	24.43	25.50		
38150	37952	QPSK	1	0	1	99	2	0	24.45	25.50		
37850	38048	QPSK	1	49	50	0	2	0	23.38	24.50		
37901	38099	QPSK	1	49	50	0	2	0	23.61	24.50		
38150	37952	QPSK	50	0	1	49	2	0	23.47	24.50		

Ant 4 Full Power			DS12									
CA_7C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
20850	21048	QPSK	1	99	1	0	2	0	22.50	23.50		
21100	21298	QPSK	1	99	1	0	2	0	22.58	23.50		
21350	21152	QPSK	1	0	1	99	2	0	22.21	23.50		
20850	21048	QPSK	1	49	50	0	2	0	21.34	22.50		
21100	21298	QPSK	1	49	50	0	2	0	21.50	22.50		
21350	21152	QPSK	50	0	1	49	2	0	21.40	22.50		

Ant 4 Full Power			DS12									
CA_38C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
37850	38048	QPSK	1	99	1	0	2	0	22.60	23.50		
37901	38099	QPSK	1	99	1	0	2	0	22.82	23.50		
38150	37952	QPSK	1	0	1	99	2	0	22.59	23.50		
37850	38048	QPSK	1	49	50	0	2	0	21.52	22.50		
37901	38099	QPSK	1	49	50	0	2	0	21.66	22.50		
38150	37952	QPSK	50	0	1	49	2	0	21.59	22.50		

Ant 0 Down Power			DS14									
CA_7C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
20850	21048	QPSK	1	99	1	0	2	0	20.13	21.00		
21100	21298	QPSK	1	99	1	0	2	0	20.18	21.00		
21350	21152	QPSK	1	0	1	99	2	0	19.99	21.00		
20850	21048	QPSK	1	49	50	0	2	0	19.99	21.00		
21100	21298	QPSK	1	49	50	0	2	0	20.01	21.00		
21350	21152	QPSK	50	0	1	49	2	0	20.00	21.00		

Ant 0 Down Power			DS14									
CA_38C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	RB Size	MPR	Leve	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset						
37850	38048	QPSK	1	99	1	0	2	0			20.89	22.00
37901	38099	QPSK	1	99	1	0	2	0			20.85	22.00
38150	37952	QPSK	1	0	1	99	2	0			20.82	22.00
37850	38048	QPSK	1	49	50	0	2	0			20.60	22.00
37901	38099	QPSK	1	49	50	0	2	0			20.66	22.00
38150	37952	QPSK	50	0	1	49	2	0			20.58	22.00

Ant 4 Down Power			DS11									
CA_7C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Leve	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
20850	21048	QPSK	1	99	1	0	2	0	18.27	19.00		
21100	21298	QPSK	1	99	1	0	2	0	18.22	19.00		
21350	21152	QPSK	1	0	1	99	2	0	18.18	19.00		
20850	21048	QPSK	1	49	50	0	2	0	18.14	19.00		
21100	21298	QPSK	1	49	50	0	2	0	18.11	19.00		
21350	21152	QPSK	50	0	1	49	2	0	18.14	19.00		

Ant 4 Down Power			DS11									
CA_38C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Leve	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
37850	38048	QPSK	1	99	1	0	2	0	19.86	20.50		
37901	38099	QPSK	1	99	1	0	2	0	19.92	20.50		
38150	37952	QPSK	1	0	1	99	2	0	19.90	20.50		
37850	38048	QPSK	1	49	50	0	2	0	19.85	20.50		
37901	38099	QPSK	1	49	50	0	2	0	19.88	20.50		
38150	37952	QPSK	50	0	1	49	2	0	19.78	20.50		

Ant 4 Down Power			DS14									
CA_7C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Leve	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
20850	21048	QPSK	1	99	1	0	2	0	19.58	20.50		
21100	21298	QPSK	1	99	1	0	2	0	19.69	20.50		
21350	21152	QPSK	1	0	1	99	2	0	19.64	20.50		
20850	21048	QPSK	1	49	50	0	2	0	19.63	20.50		
21100	21298	QPSK	1	49	50	0	2	0	19.67	20.50		
21350	21152	QPSK	50	0	1	49	2	0	19.66	20.50		

Ant 0 Full Power			DS11&2								
CA_41C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	99	1	0	2	0	24.46	25.50	
40185	40383	QPSK	1	99	1	0	2	0	24.56	25.50	
40620	40818	QPSK	1	99	1	0	2	0	24.65	25.50	
41055	41253	QPSK	1	99	1	0	2	0	24.42	25.50	
41490	41292	QPSK	1	0	1	99	2	0	24.58	25.50	
39750	39948	QPSK	1	49	50	0	2	0	23.61	24.50	
40185	40383	QPSK	1	49	50	0	2	0	23.62	24.50	
40620	40818	QPSK	1	49	50	0	2	0	23.76	24.50	
41055	41253	QPSK	1	49	50	0	2	0	23.70	24.50	
41490	41292	QPSK	50	0	1	49	2	0	23.70	24.50	

Ant 4 Full Power			DS12								
CA_41C											
Combination 20MHz+20MHz (1RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	99	1	0	2	0	22.52	23.50	
40185	40383	QPSK	1	99	1	0	2	0	22.45	23.50	
40620	40818	QPSK	1	99	1	0	2	0	22.76	23.50	
41055	41253	QPSK	1	99	1	0	2	0	22.63	23.50	
41490	41292	QPSK	1	0	1	99	2	0	22.58	23.50	
39750	39948	QPSK	1	49	50	0	2	0	21.58	22.50	
40185	40383	QPSK	1	49	50	0	2	0	21.70	22.50	
40620	40818	QPSK	1	49	50	0	2	0	21.84	22.50	
41055	41253	QPSK	1	49	50	0	2	0	21.66	22.50	
41490	41292	QPSK	50	0	1	49	2	0	21.67	22.50	

Ant 0 Down Power			DS14									
CA_41C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
39750	39948	QPSK	1	99	1	0	2	0	22.12	23.00		
40185	40383	QPSK	1	99	1	0	2	0	22.13	23.00		
40620	40818	QPSK	1	99	1	0	2	0	22.14	23.00		
41055	41253	QPSK	1	99	1	0	2	0	21.97	23.00		
41490	41292	QPSK	1	0	1	99	2	0	21.95	23.00		
39750	39948	QPSK	1	49	50	0	2	0	21.98	23.00		
40185	40383	QPSK	1	49	50	0	2	0	21.90	23.00		
40620	40818	QPSK	1	49	50	0	2	0	21.89	23.00		
41055	41253	QPSK	1	49	50	0	2	0	21.94	23.00		
41490	41292	QPSK	50	0	1	49	2	0	22.00	23.00		

Ant 4 Down Power			DS11									
CA_41C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
39750	39948	QPSK	1	99	1	0	2	0	20.76	21.50		
40185	40383	QPSK	1	99	1	0	2	0	20.78	21.50		
40620	40818	QPSK	1	99	1	0	2	0	20.84	21.50		
41055	41253	QPSK	1	99	1	0	2	0	20.75	21.50		
41490	41292	QPSK	1	0	1	99	2	0	20.83	21.50		
39750	39948	QPSK	1	49	50	0	2	0	20.83	21.50		
40185	40383	QPSK	1	49	50	0	2	0	20.72	21.50		
40620	40818	QPSK	1	49	50	0	2	0	20.89	21.50		
41055	41253	QPSK	1	49	50	0	2	0	20.84	21.50		
41490	41292	QPSK	50	0	1	49	2	0	20.68	21.50		

Ant 4 Down Power			DS14									
CA_41C												
Combination 20MHz+20MHz (1RB+100RB)												
PCC Channel	SCC Channel	Modulation	PCC		SCC		total RB Size	MPR Level	Measured Power (dBm)	Tune up Power (dBm)		
			RB Size	RB offset	RB Size	RB offset						
39750	39948	QPSK	1	99	1	0	2	0	21.55	22.00		
40185	40383	QPSK	1	99	1	0	2	0	21.41	22.00		
40620	40818	QPSK	1	99	1	0	2	0	21.44	22.00		
41055	41253	QPSK	1	99	1	0	2	0	21.41	22.00		
41490	41292	QPSK	1	0	1	99	2	0	21.53	22.00		
39750	39948	QPSK	1	49	50	0	2	0	20.63	22.00		
40185	40383	QPSK	1	49	50	0	2	0	20.67	22.00		
40620	40818	QPSK	1	49	50	0	2	0	20.58	22.00		
41055	41253	QPSK	1	49	50	0	2	0	20.57	22.00		
41490	41292	QPSK	50	0	1	49	2	0	20.58	22.00		

DL CA Power

2CA DL

Configure	PCC										SCC						Power	
	4x4 MIMO	LTE	Ant	BW (MHz)	UL		Mod.	UL#	UL	LTE	BW (MHz)	DL	Channel	With CA	Without CA			
		Band			Freq. (MHz)	Channel								Tx. Power (dBm)	Tx. Power (dBm)			
CA_2C		Band 2	Ant0	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	23.18	23.31			
		Band 2	Ant4	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	22.47	22.53			
CA_4A-17A	LTE Band 4	Band 4	Ant0	10M	1732.5	20175	QPSK	1	0	Band 17	10M	740	5790	24.10	24.25			
	LTE Band 4	Band 4	Ant4	10M	1732.5	20175	QPSK	1	0	Band 17	10M	740	5790	23.44	23.46			
	LTE Band 4	Band 17	Ant0	10M	710	23790	QPSK	1	0	Band 4	10M	2132.5	2175	24.62	24.68			
	LTE Band 4	Band 17	Ant4	10M	710	23790	QPSK	1	0	Band 4	10M	2132.5	2175	24.73	24.74			
CA_5A-41A	LTE Band 41	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 41	20M	2598	40670	24.34	24.35			
	LTE Band 41	Band 5	Ant4	10M	836.5	20525	QPSK	1	0	Band 41	20M	2598	40670	24.35	24.41			
	LTE Band 41	Band 41	Ant0	20M	2598	40670	QPSK	1	0	Band 5	10M	881.5	2525	24.55	24.68			
	LTE Band 41	Band 41	Ant4	20M	2598	40670	QPSK	1	0	Band 5	10M	881.5	2525	22.76	22.89			
CA_7C	LTE Band 7	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	24.32	24.39			
	LTE Band 7	Band 7	Ant4	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	22.63	22.67			
CA_7A-26A	LTE Band 7	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 26	15M	876.5	8865	24.26	24.39			
	LTE Band 7	Band 7	Ant4	20M	2535	21100	QPSK	1	0	Band 26	15M	876.5	8865	22.56	22.67			
	LTE Band 7	Band 26	Ant0	15M	831.5	26865	QPSK	1	0	Band 7	20M	2655	3100	24.34	24.39			
	LTE Band 7	Band 26	Ant4	15M	831.5	26865	QPSK	1	0	Band 7	20M	2655	3100	22.65	22.67			
CA_38C	LTE Band 38	Band 38	Ant0	20M	2595	38000	QPSK	1	0	Band 38	20M	2617.5	38225	24.63	24.64			
	LTE Band 38	Band 38	Ant4	20M	2595	38000	QPSK	1	0	Band 38	20M	2617.5	38225	22.73	22.85			
CA_41C	LTE Band 41	Band 41	Ant0	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	24.64	24.68			
	LTE Band 41	Band 41	Ant4	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	22.81	22.89			

3CA DL

Configure	PCC										SCC1				SCC2				Power												
	4x4 MIMO	LTE	Ant	BW (MHz)	UL	UL	Mod.	UL#	UL	LTE	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE	BW (MHz)	DL Freq. (MHz)	DL Channel	Tx. Power (dBm)	Tx. Power (dBm)												
		Band			Freq. (MHz)	Channel			RB Offset																						
CA_2A_4A_5A	LTE Band 4	Band 2	Ant0	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	23.25	23.31												
	LTE Band 4	Band 2	Ant4	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	22.45	22.53												
	LTE Band 4	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	24.14	24.25												
	LTE Band 4	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	23.38	23.46												
	LTE Band 4	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	24.18	24.25												
	LTE Band 4	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 5	10M	881.5	2525	23.41	23.46												
	LTE Band 4	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	24.24	24.35												
	LTE Band 4	Band 5	Ant4	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	24.38	24.41												
CA_2A_4A_7A	LTE Band 4/7	Band 2	Ant0	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	23.21	23.31												
	LTE Band 4/7	Band 2	Ant4	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	22.43	22.53												
	LTE Band 4/7	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	24.15	24.25												
	LTE Band 4/7	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	23.45	23.46												
	LTE Band 4/7	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	24.16	24.25												
	LTE Band 4/7	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 7	20M	2655	3100	23.31	23.46												
	LTE Band 4/7	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	24.25	24.39												
	LTE Band 4/7	Band 7	Ant4	20M	2535	21100	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	22.57	22.67												
CA_2A_7A_7A	LTE Band 4/7	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	24.29	24.39												
	LTE Band 4/7	Band 7	Ant4	20M	2535	21100	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	22.56	22.67												
	LTE Band 7	Band 2	Ant0	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	23.25	23.31												
	LTE Band 7	Band 2	Ant4	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	22.48	22.53												
	LTE Band 7	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	Band 2	20M	1960	900	24.38	24.39												
	LTE Band 7	Band 7	Ant4	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	Band 2	20M	1960	900	22.59	22.67												
	LTE Band 7	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	Band 2	20M	1960	900	24.27	24.39												
	LTE Band 7	Band 7	Ant4	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	Band 2	20M	1960	900	22.66	22.67												
CA_2A_4A_12A	LTE Band 4	Band 2	Ant0	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	23.16	23.31												
	LTE Band 4	Band 2	Ant4	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	Band 12	10M	737.5	5095	22.42	22.53												
	LTE Band 4	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	24.16	24.25												
	LTE Band 4	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	Band 12	10M	737.5	5095	23.34	23.46												
CA_2A_7C	LTE Band 4	Band 12	Ant0	10M	707.5	23095	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	24.62	24.69												
	LTE Band 4	Band 12	Ant4	10M	707.5	23095	QPSK	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	24.72	24.76												
	LTE Band 7	Band 2	Ant0	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.30	23.31												
	LTE Band 7	Band 2	Ant4	20M	1880	18900	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.52	22.53												
	LTE Band 7	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 2	20M	1960	900	24.28	24.39												
	LTE Band 7	Band 7	Ant4	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 2	20M	1960	900	22.61	22.67												
	LTE Band 7	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 2	20M	1960	900	24.36	24.39												
	LTE Band 7	Band 7	Ant4	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 2	20M	1960	900	22.62	22.67												
CA_4A_7C	LTE Band 4/7	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	24.12	24.25												
	LTE Band 4/7	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.37	23.46												
	LTE Band 4/7	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	24.23	24.25												
	LTE Band 4/7	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	23.44	23.46												
	LTE Band 4/7	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 4	20M	2132.5	2175	24.32	24.39												
	LTE Band 4/7	Band 7	Ant4	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 4	20M	2132.5	2175	22.53	22.67												
	LTE Band 4/7	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 4	20M	2132.5	2175	24.28	24.39												
	LTE Band 4/7	Band 7	Ant4	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 4	20M	2132.5	2175	22.62	22.67												
CA_5A_7A_7A	LTE Band 7	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	24.25	24.35												
	LTE Band 7	Band 5	Ant4	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 7	5M	2687.5	3425	24.31	24.41												
	LTE Band 7	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	Band 5	10M	881.5	2525	24.27	24.39												
	LTE Band 7	Band 7	Ant4	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	Band 5	10M	881.5	2525	22.58	22.67												
	LTE Band 7	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	24.22	24.35												
CA_5A_7C	LTE Band 7	Band 5	Ant4	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	24.36	24.41												
	LTE Band 7	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 5	10M	881.5	2525	24.30	24.39												
	LTE Band 7	Band 7	Ant4	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 5	10M	881.5	2525	22.55	22.67												
	LTE Band 7	Band 7	Ant0	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 5	10M	881.5	2525	24.33	24.39												
CA_41D	LTE Band 7	Band 7	Ant4	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 5	10M	881.5	2525	22.59	22.67												
	LTE Band 41	Band 41	Ant0	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	24.57	24.68												
CA_41A_41A_41A	LTE Band 41	Band 41	Ant4	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	22.81	22.89												
	LTE Band 41	Band 41	Ant0	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	Band 41	20M	2506	39750	24.65	24.68												
	LTE Band 41	Band 41	Ant4	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	Band 41	20M	2506	39750	22.83	22.89												
	LTE Band 41	Band 41	Ant0	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	Band 41	20M	2506	39750	24.66	24.68												

Full Power level/Default Power level for 5G NR

n5 Ant0 Default Power DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.5	0.0
Frequency (MHz)				834	836.5	839		
20	Pl/2 BPSK	1	1	24.87	24.95	24.88		
20	Pl/2 BPSK	1	53	24.79	24.91	24.89		
20	Pl/2 BPSK	1	104	24.74	24.72	24.64	25.0	0.5
20	Pl/2 BPSK	50	0	24.41	24.32	24.29		
20	Pl/2 BPSK	50	28	24.91	24.86	24.75		
20	Pl/2 BPSK	50	56	24.32	24.28	24.16		
20	Pl/2 BPSK	100	0	24.36	24.40	24.33	25.5	0.0
20	QPSK	1	1	24.86	24.97	24.91		
20	QPSK	1	53	24.92	24.87	24.83		
20	QPSK	1	104	24.59	24.66	24.66		
20	QPSK	50	0	23.94	23.91	23.83	24.5	1.0
20	QPSK	50	28	24.88	24.94	24.87	25.5	0.0
20	QPSK	50	56	23.83	23.85	23.84	24.5	1.0
20	QPSK	100	0	23.82	23.86	23.80		
20	16QAM	1	1	23.84	23.89	23.80		
20	64QAM	1	1	22.50	22.62	22.67		
20	256QAM	1	1	20.25	20.24	20.19	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0
15	QPSK	1	1	24.84	24.88	24.86		
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	25.5	0.0
10	QPSK	1	1	24.75	24.90	24.71		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	25.5	0.0
5	QPSK	1	1	24.71	24.93	24.81		

n7 Ant0 Default Power DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	25.5	0.0
Frequency (MHz)				2510	2535	2560		
20	Pl/2 BPSK	1	1	24.68	24.78	24.80		
20	Pl/2 BPSK	1	53	24.72	24.79	24.72		
20	Pl/2 BPSK	1	104	24.74	24.82	24.69	25.0	0.5
20	Pl/2 BPSK	50	0	24.24	24.29	24.33		
20	Pl/2 BPSK	50	28	24.72	24.84	24.76		
20	Pl/2 BPSK	50	56	24.19	24.29	24.27		
20	Pl/2 BPSK	100	0	24.35	24.38	24.37	25.5	0.0
20	QPSK	1	1	24.80	24.85	24.79		
20	QPSK	1	53	24.59	24.62	24.58		
20	QPSK	1	104	24.80	24.82	24.78		
20	QPSK	50	0	24.00	23.98	23.92	24.5	1.0
20	QPSK	50	28	24.67	24.84	24.82	25.5	0.0
20	QPSK	50	56	23.97	23.87	23.77	24.5	1.0
20	QPSK	100	0	23.92	23.94	23.88		
20	16QAM	1	1	23.68	23.71	23.63		
20	64QAM	1	1	22.50	22.48	22.54		
20	256QAM	1	1	20.10	20.15	20.19	21.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	25.5	0.0
15	QPSK	1	1	24.58	24.80	24.79		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	-25.5	0.0
10	QPSK	1	1	24.42	24.73	24.63		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	25.5	0.0
5	QPSK	1	1	24.47	24.82	24.58		



n38 Ant0 Default Power DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	518000	519998	25.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	24.80	24.89	24.78		
40	PI2 BPSK	1	53	24.83	24.87	24.96		
40	PI2 BPSK	1	104	24.83	24.85	24.79	25.0	0.5
40	PI2 BPSK	50	0	24.43	24.34	24.35		
40	PI2 BPSK	50	28	24.85	24.81	24.82		
40	PI2 BPSK	50	58	24.31	24.35	24.29		
40	PI2 BPSK	100	0	24.17	24.28	24.26	25.5	0.0
40	QPSK	1	1	24.88	24.95	24.95		
40	QPSK	1	53	24.85	24.95	24.93		
40	QPSK	1	104	24.86	24.92	24.89		
40	QPSK	50	0	23.88	23.90	23.91	24.5	1.0
40	QPSK	50	28	24.84	24.86	24.74		
40	QPSK	50	58	23.95	23.93	23.94		
40	QPSK	100	0	23.84	23.96	23.93		
40	16QAM	1	1	23.88	23.88	23.98	23.0	2.5
40	64QAM	1	1	22.88	22.81	22.72		
40	256QAM	1	1	20.07	20.18	20.28		
Channel				517002	518000	520998		
Frequency (MHz)				2585.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	24.87	24.82	24.82	25.5	0.0
Channel				518000	518000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	24.93	24.81	24.79		

n41 PC3 Ant0 Default Power DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				520202	518598	520990	25.5	0.0
Frequency (MHz)				2548.01	2592.99	2640		
100	PI2 BPSK	1	1	24.53	24.48	24.51		
100	PI2 BPSK	1	137	24.51	24.49	24.52		
100	PI2 BPSK	1	271	24.48	24.53	24.52	25.0	0.5
100	PI2 BPSK	135	0	24.47	24.41	24.32		
100	PI2 BPSK	135	69	24.50	24.51	24.53		
100	PI2 BPSK	135	138	24.49	24.43	24.42		
100	PI2 BPSK	270	0	24.36	24.41	24.38	25.5	0.0
100	QPSK	1	1	24.49	24.55	24.53		
100	QPSK	1	137	24.54	24.48	24.44		
100	QPSK	1	271	24.48	24.53	24.51		
100	QPSK	135	0	24.40	24.37	24.45	24.5	1.0
100	QPSK	135	69	24.45	24.49	24.47		
100	QPSK	135	138	24.38	24.35	24.27		
100	QPSK	270	0	24.35	24.38	24.34		
100	16QAM	1	1	24.47	24.49	24.48	24.5	1.0
100	64QAM	1	1	21.93	21.93	22.11		
100	256QAM	1	1	19.97	19.98	20.08		
Channel				507204	518598	520998		
Frequency (MHz)				2538.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	24.49	24.45	24.45	25.5	0.0
Channel				508200	518598	521998		
Frequency (MHz)				2526	2592.99	2609.98		
60	QPSK	1	1	24.28	24.38	24.33		
Channel				503202	518598	534090	Tune-up limit (dBm)	MPR
Frequency (MHz)				2518.01	2592.99	2670		
40	QPSK	1	1	24.34	24.47	24.43		
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98	Tune-up limit (dBm)	MPR
30	QPSK	1	1	24.48	24.43	24.34		
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.42	24.48	24.48	25.5	0.0

n41 PC2 Ant0 Default Power DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				520202	518598	520990	27.0	0.0
Frequency (MHz)				2548.01	2592.99	2640		
100	PI2 BPSK	1	1	25.72	26.15	25.68		
100	PI2 BPSK	1	137	25.72	25.99	25.73		
100	PI2 BPSK	1	271	25.74	26.00	25.76	26.5	0.5
100	PI2 BPSK	135	0	25.25	25.57	25.17		
100	PI2 BPSK	135	69	25.50	26.12	25.49		
100	PI2 BPSK	135	138	25.32	25.71	25.19		
100	PI2 BPSK	270	0	25.33	25.61	25.23	28.0	0.5
100	QPSK	1	1	25.74	26.16	25.85		
100	QPSK	1	137	25.53	26.02	25.73		
100	QPSK	1	271	25.73	25.95	25.68		
100	QPSK	135	0	24.83	25.25	24.74	26.0	1.0
100	QPSK	135	69	25.57	26.02	25.73		
100	QPSK	135	138	24.58	24.96	24.68		
100	QPSK	270	0	24.46	24.99	24.63		
100	16QAM	1	1	24.82	25.11	24.78	26.0	1.0
100	64QAM	1	1	23.08	23.46	23.13		
100	256QAM	1	1	21.15	21.57	21.33		
Channel				507204	518598	520998		
Frequency (MHz)				2538.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	25.61	26.02	25.76	27.0	0.0
Channel				508200	518598	531998		
Frequency (MHz)				2526	2592.99	2609.98		
60	QPSK	1	1	25.65	26.03	25.78		
Channel				503202	518598	534090	Tune-up limit (dBm)	MPR
Frequency (MHz)				2518.01	2592.99	2670		
40	QPSK	1	1	25.67	25.99	25.79		
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98	Tune-up limit (dBm)	MPR
30	QPSK	1	1	25.66	26.07	25.71		
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.75	26.15	25.65	27.0	0.0

n5 Ant4 Default Power DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	25.15	25.14	25.06	25.5	0.0
20	PI/2 BPSK	1	53	25.06	25.11	25.02		
20	PI/2 BPSK	1	104	24.90	24.95	24.86		
20	PI/2 BPSK	50	0	24.60	24.65	24.68	25.0	0.5
20	PI/2 BPSK	50	28	25.09	25.05	25.05	25.5	0.0
20	PI/2 BPSK	50	56	24.66	24.58	24.56	25.0	0.5
20	PI/2 BPSK	100	0	24.59	24.55	24.64		
20	QPSK	1	1	24.96	25.17	25.09	25.5	0.0
20	QPSK	1	53	25.14	25.15	25.10		
20	QPSK	1	104	24.46	24.44	24.33		
20	QPSK	50	0	24.07	24.10	24.04	24.5	1.0
20	QPSK	50	28	24.90	25.07	25.01	25.5	0.0
20	QPSK	50	56	24.07	24.08	23.99	24.5	1.0
20	QPSK	100	0	23.98	24.09	23.89		
20	16QAM	1	1	24.17	24.07	24.06	24.5	1.0
20	64QAM	1	1	22.43	22.34	22.33	23.0	2.5
20	256QAM	1	1	20.12	20.19	20.22	21.0	4.5
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.81	25.01	24.92	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.80	25.05	25.07	25.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.91	25.10	25.00	25.5	0.0

n7 Ant4 Default Power DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	23.20	23.22	23.11	24.5	0.0
20	PI/2 BPSK	1	53	23.13	23.30	23.09		
20	PI/2 BPSK	1	104	23.20	23.31	23.05		
20	PI/2 BPSK	50	0	22.75	22.85	22.69	24.0	0.5
20	PI/2 BPSK	50	28	23.31	23.23	23.29	24.5	0.0
20	PI/2 BPSK	50	56	22.81	22.84	22.68	24.0	0.5
20	PI/2 BPSK	100	0	22.78	22.73	22.90		
20	QPSK	1	1	23.26	23.34	23.27	24.5	0.0
20	QPSK	1	53	23.21	23.24	23.04		
20	QPSK	1	104	23.08	23.30	23.08		
20	QPSK	50	0	23.10	23.13	23.28	23.5	1.0
20	QPSK	50	28	23.24	23.28	23.22	24.5	0.0
20	QPSK	50	56	23.16	23.19	23.13	23.5	1.0
20	QPSK	100	0	22.27	22.38	22.29		
20	16QAM	1	1	22.33	22.35	22.49	23.5	1.0
20	64QAM	1	1	20.69	20.83	20.59	22.0	2.5
20	256QAM	1	1	18.73	18.74	18.73	20.0	4.5
Channel				501600	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.22	23.29	23.19	24.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.23	23.20	23.24	24.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.14	23.22	23.15	24.5	0.0



n38 Ant4 Default Power DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	518998			
Frequency (MHz)				2580.02	2585	2599.98			
40	PI2 BPSK	1	1	23.35	23.40	23.44	24.5	0.0	
40	PI2 BPSK	1	53	23.34	23.30	23.28			
40	PI2 BPSK	1	104	23.22	23.28	23.19			
40	PI2 BPSK	50	0	22.74	22.70	22.59	24.0	0.5	
40	PI2 BPSK	50	28	23.17	23.10	23.04	24.5	0.0	
40	PI2 BPSK	50	56	22.67	22.64	22.66	24.0	0.5	
40	PI2 BPSK	100	0	22.63	22.60	22.48			
40	QPSK	1	1	23.35	23.45	23.44			
40	QPSK	1	53	23.28	23.44	23.31	24.5	0.0	
40	QPSK	1	104	23.32	23.41	23.27	23.5	1.0	
40	QPSK	50	0	22.30	22.19	22.25			
40	QPSK	50	28	23.37	23.40	23.37			
40	QPSK	50	56	22.29	22.41	22.42	23.5	1.0	
40	QPSK	100	0	22.35	22.40	22.38			
40	16QAM	1	1	22.65	22.55	22.54	23.5	1.0	
40	64QAM	1	1	21.11	21.12	21.04	22.0	2.5	
40	256QAM	1	1	18.08	18.18	18.12	20.0	4.5	
Channel				517002	518000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)	
30	QPSK	1	1	23.32	23.47	23.25	24.5	0.0	
Channel				517000	518000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)	
20	QPSK	1	1	23.25	23.34	23.36	24.5	0.0	

n41 PC3 Ant4 Default Power DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	526000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	23.17	23.18	23.23	24.5	0.0	
100	PI2 BPSK	1	137	23.29	23.16	23.28			
100	PI2 BPSK	1	271	23.24	23.18	23.08			
100	PI2 BPSK	135	0	23.14	23.19	23.19	24.0	0.5	
100	PI2 BPSK	135	69	22.98	23.21	22.98	24.5	0.0	
100	PI2 BPSK	135	138	23.10	23.01	23.20	24.0	0.5	
100	PI2 BPSK	270	0	22.99	23.05	23.11			
100	QPSK	1	1	23.17	23.30	23.12			
100	QPSK	1	137	23.20	23.21	23.22	24.5	0.0	
100	QPSK	1	271	23.29	23.09	23.07	23.5	1.0	
100	QPSK	135	0	23.04	23.28	23.18			
100	QPSK	135	69	23.03	23.28	23.14			
100	QPSK	135	138	22.96	23.06	22.94	23.5	1.0	
100	QPSK	270	0	23.09	23.24	23.04			
100	16QAM	1	1	23.08	23.21	23.22	23.5	1.0	
100	64QAM	1	1	20.86	20.83	20.66	22.0	2.5	
100	256QAM	1	1	18.82	18.84	18.82	20.0	4.5	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2639.99			
80	QPSK	1	1	23.02	23.00	22.98	24.5	0.0	
Channel				505200	518598	521596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2609.98			
60	QPSK	1	1	23.07	22.99	23.01	24.5	0.0	
Channel				503202	518598	524000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2592.99	2630			
40	QPSK	1	1	22.93	23.04	22.90	24.5	0.0	
Channel				502200	518598	524998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.02	23.04	22.83	24.5	0.0	
Channel				501204	518598	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.07	23.00	22.94	24.5	0.0	

n41 PC2 Ant4 Default Power DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	526000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	24.21	24.29	24.27	26.0	0.0	
100	PI2 BPSK	1	137	24.17	24.34	24.28			
100	PI2 BPSK	1	271	23.79	23.86	23.89			
100	PI2 BPSK	135	0	23.77	23.93	23.69	25.5	0.5	
100	PI2 BPSK	135	69	24.37	24.12	24.25	26.0	0.0	
100	PI2 BPSK	135	138	23.62	23.61	23.72	22.5	3.5	
100	PI2 BPSK	270	0	23.71	23.77	23.77	25.5	0.5	
100	QPSK	1	1	24.26	24.44	24.32	26.0	0.0	
100	QPSK	1	137	24.05	24.22	24.27			
100	QPSK	1	271	23.85	24.01	23.71			
100	QPSK	135	0	23.59	23.65	23.70	25.5	0.5	
100	QPSK	135	69	24.28	24.39	24.25	26.0	0.0	
100	QPSK	135	138	22.42	22.45	22.43	22.5	3.5	
100	QPSK	270	0	23.23	23.35	23.18	25.5	0.5	
100	16QAM	1	1	22.34	22.27	22.44	25.0	1.0	
100	64QAM	1	1	21.36	21.26	21.44	23.5	2.5	
100	256QAM	1	1	19.89	19.75	19.77	21.5	4.5	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2659.99			
80	QPSK	1	1	24.19	24.37	24.22	26.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2609.98			
60	QPSK	1	1	24.11	24.35	24.21	26.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2592.99	2630			
40	QPSK	1	1	24.17	24.36	24.19	26.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	24.21	24.33	24.23	26.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	24.11	24.31	24.20	26.0	0.0	



Par270 n77 PC3 Ant3 Default Power DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	Pl2 BPSK	1	1	23.90	23.96	23.92			
100	Pl2 BPSK	1	137	23.99	24.03	23.97	25.5	0.0	
100	Pl2 BPSK	1	271	23.90	23.96	23.91			
100	Pl2 BPSK	136	0	23.37	23.41	23.38	25.0	0.5	
100	Pl2 BPSK	136	69	23.93	23.97	23.93	25.5	0.0	
100	Pl2 BPSK	136	138	23.38	23.41	23.36	25.0	0.5	
100	Pl2 BPSK	270	0	23.43	23.49	23.42			
100	QPSK	1	1	23.98	24.07	23.96			
100	QPSK	1	137	23.98	24.02	23.97	25.5	0.0	
100	QPSK	1	271	24.01	24.05	24.00			
100	QPSK	136	0	22.96	23.02	22.97	24.5	1.0	
100	QPSK	136	69	23.97	24.03	23.97	25.5	0.0	
100	QPSK	136	138	22.91	22.96	22.91	24.5	1.0	
100	QPSK	270	0	22.99	23.05	22.99			
100	16QAM	1	1	23.34	23.40	23.34	24.5	1.0	
100	64QAM	1	1	21.16	21.22	21.19	23.0	2.5	
100	256QAM	1	1	19.20	19.25	19.18	21.0	4.5	
Channel				648334	656000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	23.79	23.91	23.74	25.5	0.0	
Channel				648668	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	23.80	23.87	23.75	25.5	0.0	
Channel				648334	656000	662668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	23.80	23.92	23.70	25.5	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3950.01	(dBm)	(dB)	
40	QPSK	1	1	23.88	23.98	23.73	25.5	0.0	
Channel				647668	656000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3955.01	(dBm)	(dB)	
30	QPSK	1	1	23.89	23.91	23.76	25.5	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	23.81	23.94	23.74	25.5	0.0	

Par270 n77 PC3 Ant3 Default Power DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	Pl2 BPSK	1	1		23.83				
100	Pl2 BPSK	1	137		23.89		25.5	0.0	
100	Pl2 BPSK	1	271		23.80				
100	Pl2 BPSK	136	0		23.28		25.5	0.0	
100	Pl2 BPSK	136	69		23.84				
100	Pl2 BPSK	136	138		23.35		25.0	0.5	
100	Pl2 BPSK	270	0		23.40				
100	QPSK	1	1		23.97		25.5	0.0	
100	QPSK	1	137		23.92				
100	QPSK	1	271		23.92				
100	QPSK	136	0		22.86		25.5	0.0	
100	QPSK	136	69		24.86				
100	QPSK	136	138		22.83		24.5	1.0	
100	16QAM	1	1		23.32		24.5	1.0	
100	64QAM	1	1		21.06		23.0	2.5	
100	256QAM	1	1		19.11		21.0	4.5	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	169		23.69	23.74	23.65	25.5	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		23.70	23.86	23.56	25.5	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		23.73	23.82	23.58	25.5	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		23.65	23.82	23.67	25.5	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	39		23.74	23.75	23.63	25.5	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26		23.89	23.91	23.76	25.5	

Par270 n77 PC2 Ant3 Default Power DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	Pl2 BPSK	1	1	25.50	25.55	25.49			
100	Pl2 BPSK	1	137	25.57	25.63	25.57	27.0	0.0	
100	Pl2 BPSK	1	271	25.50	25.55	25.49			
100	Pl2 BPSK	136	0	24.93	24.97	24.90	26.5	0.5	
100	Pl2 BPSK	136	69	25.60	25.64	25.59	27.0	0.0	
100	Pl2 BPSK	136	138	24.96	25.01	24.97	26.5	0.5	
100	Pl2 BPSK	270	0	24.92	24.98	24.93			
100	QPSK	1	1	25.64	25.67	25.61			
100	QPSK	1	137	25.59	25.66	25.60	27.0	0.0	
100	QPSK	1	271	25.55	25.58	25.52			
100	QPSK	136	0	24.50	24.55	24.49	26.0	1.0	
100	QPSK	136	69	25.52	25.57	25.53	27.0	0.0	
100	QPSK	136	138	24.81	24.84	24.80	26.0	1.0	
100	QPSK	270	0	24.50	24.55	24.51			
100	16QAM	1	1	24.88	24.95	24.92	26.0	1.0	
100	64QAM	1	1	22.81	22.85	22.80	24.5	2.5	
100	256QAM	1	1	20.81	20.87	20.81	22.5	4.5	
Channel				648334	656000	662668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	23.47	23.55	23.29	27.0	0.0	
Channel				648668	656000	663334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	25.47	25.51	25.32	27.0	0.0	
Channel				648334	656000	662668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	25.52	25.54	25.32	27.0	0.0	
Channel				648000	656000	664000	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3950.01	(dBm)	(dB)	
40	QPSK	1	1	25.45	25.46	25.20	27.0	0.0	
Channel				647668	656000	664334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3840	3955.01	(dBm)	(dB)	
30	QPSK	1	1	25.45	25.49	25.31	27.0	0.0	
Channel				647334	656000	664668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	25.53	25.48	25.24	27.0	0.0	



Part27Q n77 PC2 Ant3 Default Power DFT-30											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	PI2 BPSK	1	1	23.41	23.41		27.0	0.0			
100	PI2 BPSK	1	137	25.59	25.59						
100	PI2 BPSK	1	271	25.42	25.42		23.5	3.5			
100	PI2 BPSK	135	0	24.81	24.81						
100	PI2 BPSK	135	69	25.51	25.51		27.0	0.0			
100	PI2 BPSK	135	138	24.87	24.87		23.5	3.5			
100	PI2 BPSK	270	0	24.87	24.87		26.5	0.5			
100	QPSK	1	1	25.61	25.61		27.0	0.0			
100	QPSK	1	137	25.60	25.60						
100	QPSK	1	271	25.53	25.53		23.5	3.5			
100	QPSK	135	0	24.44	24.44		27.0	0.0			
100	QPSK	135	69	25.58	25.58		27.0	0.0			
100	QPSK	135	138	24.50	24.50		23.5	3.5			
100	QPSK	270	0	24.50	24.50		26.5	0.5			
100	16QAM	1	1	24.85	24.85		26.0	1.0			
100	64QAM	1	1	22.79	22.79		24.5	2.5			
100	256QAM	1	1	20.76	20.76		22.5	4.5			
Channel											
Frequency (MHz)											
80	QPSK	1	109	23.30	23.33	23.40	27.0	0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	81	25.32	25.48	25.25	27.0	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	67	25.32	25.40	25.15	27.0	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	53	25.43	25.48	25.22	27.0	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	39	25.40	25.46	25.25	27.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	26	25.40	25.48	25.25	27.0	0.0			

Part27Q n78 PC3 Ant3 Default Power DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)
Channel								
Frequency (MHz)				3750				
100	PI2 BPSK	1	1	23.99			25.5	0.0
100	PI2 BPSK	1	137	23.95				
100	PI2 BPSK	1	271	23.97				
100	PI2 BPSK	135	0	23.44			25.0	0.5
100	PI2 BPSK	135	69	24.02			25.5	0.0
100	PI2 BPSK	135	138	23.57			25.0	0.5
100	PI2 BPSK	270	0	23.59				
100	QPSK	1	1	24.05				
100	QPSK	1	137	24.02			25.5	0.0
100	QPSK	1	271	23.94			24.5	1.0
100	QPSK	135	0	22.96			23.0	2.5
100	QPSK	135	69	24.03			25.5	0.0
100	QPSK	135	138	22.95			24.5	1.0
100	QPSK	270	0	22.99			24.5	1.0
100	16QAM	1	1	23.21			23.0	2.5
100	64QAM	1	1	21.11			23.0	2.5
100	256QAM	1	1	19.19			21.0	4.5
Channel								
Frequency (MHz)				648334	650000	656666		
				3740.01	3750.00	3760.02	Tune-up limit (dbm)	MPR (db)
80	QPSK	1	1	23.80	23.90	23.93	25.5	0.0
Channel								
Frequency (MHz)				646668	650000	651334	Tune-up limit (dbm)	MPR (db)
60	QPSK	1	1	23.88	23.90	23.92	25.5	0.0
Channel								
Frequency (MHz)				648334	650000	651668	Tune-up limit (dbm)	MPR (db)
50	QPSK	1	1	23.75	23.90	23.75	25.5	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit (dbm)	MPR (db)
40	QPSK	1	1	23.79	23.95	23.86	25.5	0.0
Channel								
Frequency (MHz)				3720	3750	3780	Tune-up limit (dbm)	MPR (db)
30	QPSK	1	1	23.80	23.90	23.82	25.5	0.0
Channel								
Frequency (MHz)				647674	650000	652326	Tune-up limit (dbm)	MPR (db)
20	QPSK	1	1	23.84	23.90	23.92	25.5	0.0
Channel								
Frequency (MHz)				310301	3750	3760.02	Tune-up limit (dbm)	MPR (db)
20	QPSK	1	1	23.84	23.90	23.92	25.5	0.0

Part27Q n78 PC3 Ant3 Default Power DFT-30												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (db)				
Channel												
Frequency (MHz)												
100	PI2 BPSK	1	1	23.44	23.84		25.5	0.0				
100	PI2 BPSK	1	137	23.88	23.88							
100	PI2 BPSK	1	271	23.82	23.82							
100	PI2 BPSK	135	0	23.33	23.33		25.5	0.0				
100	PI2 BPSK	135	69	23.88	23.88							
100	PI2 BPSK	135	138	23.40	23.40							
100	PI2 BPSK	270	0	23.43	23.43		25.0	0.5				
100	QPSK	1	1	23.01	23.91							
100	QPSK	1	137	23.87	23.87							
100	QPSK	1	271	23.83	23.83		25.5	0.0				
100	QPSK	135	0	22.89	22.89							
100	QPSK	135	69	23.91	23.91							
100	QPSK	135	138	22.88	22.88		25.5	0.0				
100	QPSK	270	0	22.94	22.94							
100	16QAM	1	1	23.13	23.13							
100	64QAM	1	1	21.03	21.03		23.0	2.5				
100	256QAM	1	1	19.10	19.10							
Channel												
Frequency (MHz)												
80	QPSK	1	109	23.69	23.5334	23.6400	23.5	1.0	MPR (db)			
Channel												
Frequency (MHz)												
60	QPSK	1	81	23.69	23.5334	23.6468	25.5	0.0	MPR (db)			
Channel												
Frequency (MHz)												
60	QPSK	1	81	23.69	23.5334	23.89	25.5	0.0	MPR (db)			
Channel												
Frequency (MHz)												
60	QPSK	1	81	23.69	23.5334	23.89	25.5	0.0	MPR (db)			
Channel												
Frequency (MHz)												
50	QPSK	1	67	23.74	23.77	23.82	25.5	0.0	MPR (db)			
Channel												
Frequency (MHz)												
50	QPSK	1	67	23.74	23.77	23.82	25.5	0.0	MPR (db)			
Channel												
Frequency (MHz)												
40	QPSK	1	53	23.89	23.79	23.85	25.5	0.0	MPR (db)			
Channel												
Frequency (MHz)												
40	QPSK	1	53	23.89	23.79	23.85	25.5	0.0	MPR (db)			
Channel												
Frequency (MHz)												
30	QPSK	1	39	23.72	23.74	23.83	25.5	0.0	MPR (db)			
Channel												
Frequency (MHz)												
30	QPSK	1	39	23.72	23.74	23.83	25.5	0.0	MPR (db)			
Channel												
Frequency (MHz)												
20	QPSK	1	26	23.69	23.74	23.87	25.5	0.0	MPR (db)			
Channel												
Frequency (MHz)												

Part27Q n78 PC2 Ant3 Default Power DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Midline Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				646934	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
100	Pl2 BPSK	1	1	23.49	25.47	25.49	27.0	0.0	
100	Pl2 BPSK	1	137	23.50	25.42	25.39			
100	Pl2 BPSK	1	271	23.51	25.41	25.31			
100	Pl2 BPSK	135	0	25.11	25.11	25.06			
100	Pl2 BPSK	135	69	25.43	25.43	25.30	27.0	0.0	
100	Pl2 BPSK	135	138	24.98	24.98	24.85	26.5	0.5	
100	Pl2 BPSK	270	0	25.01	25.01	24.88	26.5	0.5	
100	QPSK	1	1	25.53	25.53	25.41	27.0	0.0	
100	QPSK	1	137	25.44	25.44	25.28			
100	QPSK	1	271	25.48	25.48	25.40			
100	QPSK	135	0	24.57	24.57	24.49			
100	QPSK	135	69	25.48	25.48	25.40	27.0	0.0	
100	QPSK	135	138	24.66	24.66	24.52	26.0	1.0	
100	QPSK	270	0	24.62	24.62	24.48	26.0	1.0	
100	16QAM	1	1	24.86	24.86	24.79	26.0	1.0	
100	16QAM	1	1	22.87	22.87	22.80	24.5	2.5	
100	256QAM	1	1	20.75	20.75	20.74	22.5	4.5	
Channel				646934	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	23.50	23.42	23.39	27.0	0.0	
Channel				646968	650000	651334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	25.30	25.47	25.40	27.0	0.0	
Channel				646934	650000	651668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	25.31	25.42	25.36	27.0	0.0	
Channel				646900	650000	652000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730	3750	3760	(dBm)	(dB)	
40	QPSK	1	1	25.37	25.42	25.37	27.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.02	3750	3790.01	(dBm)	(dB)	
30	QPSK	1	1	25.39	25.45	25.32	27.0	0.0	
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	25.39	25.40	25.44	27.0	0.0	

Part27Q n78 PC2 Ant3 Default Power DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Midline Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3500.01	3510	(dBm)	(dB)	
100	Pl2 BPSK	1	1	23.50	25.33	25.25	27.0	0.0	
100	Pl2 BPSK	1	137	23.50	25.33	25.25			
100	Pl2 BPSK	1	271	23.51	25.31	25.23			
100	Pl2 BPSK	135	0	25.06	25.06	24.98			
100	Pl2 BPSK	135	69	25.30	25.30	25.17	27.0	0.0	
100	Pl2 BPSK	135	138	24.85	24.85	24.76	26.5	0.5	
100	Pl2 BPSK	270	0	24.88	24.88	24.79	26.5	0.5	
100	QPSK	1	1	25.41	25.41	25.30	27.0	0.0	
100	QPSK	1	137	25.28	25.28	25.16			
100	QPSK	1	271	25.40	25.40	25.25			
100	QPSK	135	0	24.49	24.49	24.36			
100	QPSK	135	69	25.48	25.48	25.32	27.0	0.0	
100	QPSK	135	138	24.52	24.52	24.35	26.5	0.5	
100	QPSK	270	0	24.48	24.48	24.34	26.5	0.5	
100	16QAM	1	1	24.79	24.79	24.69	26.0	1.0	
100	16QAM	1	1	22.80	22.80	22.74	24.5	2.5	
100	256QAM	1	1	20.74	20.74	20.73	22.5	4.5	
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	23.29	23.50	23.25	27.0	0.0	
Channel				630000	633334	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81	25.17	25.36	25.32	27.0	0.0	
Channel				631168	633334	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	25.16	25.26	25.25	27.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3490.01	3490.01	(dBm)	(dB)	
40	QPSK	1	53	25.17	25.37	25.26	27.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	39	25.21	25.30	25.34	27.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	25.18	25.27	25.25	27.0	0.0	



Par27Q n77 PC3 Ant5 Default Power DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				3750	3840	3930			
100	Pl2 BPSK	1	1	24.71	24.72	24.55			
100	Pl2 BPSK	1	137	24.83	24.88	24.74	25.5	0.0	
100	Pl2 BPSK	1	271	24.76	24.86	24.75			
100	Pl2 BPSK	136	0	24.07	24.25	24.17	25.0	0.5	
100	Pl2 BPSK	136	69	24.77	24.76	24.68	25.5	0.0	
100	Pl2 BPSK	136	138	24.20	24.33	24.32	25.0	0.5	
100	Pl2 BPSK	270	0	24.05	24.19	24.15	25.0	0.5	
100	QPSK	1	1	24.96	24.99	24.87			
100	QPSK	1	137	24.76	24.92	24.92	25.5	0.0	
100	QPSK	1	271	24.81	24.84	24.70			
100	QPSK	136	0	23.60	23.71	23.68	24.5	1.0	
100	QPSK	136	69	24.74	24.77	24.58	25.5	0.0	
100	QPSK	136	138	23.68	23.78	23.71	24.5	1.0	
100	QPSK	270	0	23.50	23.66	23.61			
100	16QAM	1	1	23.84	23.93	23.80	24.5	1.0	
100	64QAM	1	1	22.33	22.37	22.34	23.0	2.5	
100	256QAM	1	1	19.95	20.13	20.08	21.0	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3740.01	3840	3940.02			
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.87	24.86	24.80	25.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.86	24.93	24.77	25.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	648334	650000	653698	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.94	24.88	24.84	25.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	648000	650000	644000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	3715.02	3840	3965.01			
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.86	24.97	24.80	25.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	3715.01	3840	3970.02			
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.89	24.87	24.78	25.5	0.0	

Par27Q n77 PC3 Ant5 Default Power DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3500.01					
100	Pl2 BPSK	1	1		24.62				
100	Pl2 BPSK	1	137		24.81		25.5		0.0
100	Pl2 BPSK	1	271		24.79				
100	Pl2 BPSK	136	0		24.19		25.5	0.0	
100	Pl2 BPSK	136	69		24.72				
100	Pl2 BPSK	136	138		24.25		25.0	0.5	
100	Pl2 BPSK	270	0		24.13			25.0	0.5
100	QPSK	1	1		24.88				
100	QPSK	1	137		24.87		25.5	0.0	
100	QPSK	1	271		24.71				
100	QPSK	136	0		23.55				
100	QPSK	136	69		24.71		25.5	0.0	
100	QPSK	136	138		23.68		24.5	1.0	
100	QPSK	270	0		23.57			24.5	1.0
100	16QAM	1	1		23.84		24.5	1.0	
100	64QAM	1	1		22.32		23.0	2.5	
100	256QAM	1	1		20.03		21.0	4.5	
Channel									
Frequency (MHz)				632669	633334	634000	21.0	4.5	
				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	109	24.81	24.75	24.69	25.5	0.0	
Channel									
Frequency (MHz)				632000	633334	635000	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	81	24.82	24.75	24.71	25.5	0.0	
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	67	24.82	24.75	24.71	25.5	0.0	
Channel									
Frequency (MHz)				631500	633334	635000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	53	24.83	24.72	24.71	25.5	0.0	
Channel									
Frequency (MHz)				631000	633334	635000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	39	24.76	24.81	24.73	25.5	0.0	
Channel									
Frequency (MHz)				630668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	26	24.81	24.72	24.65	25.5	0.0	

Par27Q n77 PC2 Ant5 Default Power DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pl2 BPSK	1	1	3790	3840	39000			
100	Pl2 BPSK	1	1	26.24	26.38	26.28			
100	Pl2 BPSK	1	137	26.31	26.41	26.25	27.0	0.0	
100	Pl2 BPSK	1	271	26.41	26.44	26.41			
100	Pl2 BPSK	136	0	25.58	25.69	25.56	26.5	0.5	
100	Pl2 BPSK	136	69	26.24	26.31	26.27	27.0	0.0	
100	Pl2 BPSK	136	138	25.73	25.78	25.75	26.5	0.5	
100	Pl2 BPSK	270	0	25.59	25.71	25.66			
100	QPSK	1	1	26.43	26.46	26.39			
100	QPSK	1	137	26.31	26.38	26.20	27.0	0.0	
100	QPSK	1	271	26.30	26.43	26.31			
100	QPSK	136	0	25.13	25.28	25.15	26.0	1.0	
100	QPSK	136	69	26.11	26.24	26.17	27.0	0.0	
100	QPSK	136	138	25.21	25.27	25.17	26.0	1.0	
100	QPSK	270	0	25.11	25.14	25.00			
100	16QAM	1	1	25.44	25.48	25.31	26.0	1.0	
100	64QAM	1	1	24.07	24.14	23.97	24.5	2.5	
100	256QAM	1	1	21.84	22.01	21.90	22.5	4.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	3740.01	3840	3840.02	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	26.38	26.35	26.29	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	3740.02	3840	3840.01	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	26.32	26.37	26.35	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	648334	650000	653668	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	3715.61	3840	3866.01	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	26.27	26.34	26.35	27.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	3710.01	3840	3870.02	27.0	0.0	
Channel									
Frequency (MHz)									
2.5	QPSK	1	1	26.36	26.38	26.27	27.0	0.0	



Par27Q n77 PC2 Ant5 Default Power DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	26.20	3000.01		27.0	0.0
100	PI2 BPSK	1	137	26.26				
100	PI2 BPSK	1	271	26.31			23.5	3.5
100	PI2 BPSK	135	0	25.63				
100	PI2 BPSK	135	69	25.19			27.0	0.0
100	PI2 BPSK	135	138	25.65			23.5	3.5
100	PI2 BPSK	270	0	25.66			26.5	0.5
100	QPSK	1	1	26.38			27.0	0.0
100	QPSK	1	137	26.32				
100	QPSK	1	271	26.28			23.5	3.5
100	QPSK	135	0	25.16			27.0	0.0
100	QPSK	135	69	26.16			27.0	0.0
100	QPSK	135	138	25.17			23.5	3.5
100	QPSK	270	0	25.03			26.5	0.5
100	16QAM	1	1	25.36			26.0	1.0
100	64QAM	1	1	24.09			24.5	2.5
100	256QAM	1	1	21.88			22.5	4.5
Channel								
Frequency (MHz)								
80	QPSK	1	109	26.33	26.30	26.17	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	26.31	26.21	26.22	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	26.22	26.27	26.21	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	26.27	26.26	26.21	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	39	26.30	26.25	26.23	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	26.25	26.30	26.15	27.0	0.0

Par27Q n78 PC3 Ant5 Default Power DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	25.09	3750			
100	PI2 BPSK	1	137	25.08			25.5	0.0
100	PI2 BPSK	1	271	25.04				
100	PI2 BPSK	135	0	24.44			25.0	0.5
100	PI2 BPSK	135	69	24.53			25.5	0.0
100	PI2 BPSK	135	138	24.36			25.0	0.5
100	PI2 BPSK	270	0	24.36			24.5	
100	QPSK	1	1	25.05				
100	QPSK	1	137	25.11			25.5	0.0
100	QPSK	1	271	24.55				
100	QPSK	135	0	23.91			24.5	1.0
100	QPSK	135	69	24.66			25.5	0.0
100	QPSK	135	138	23.86				
100	QPSK	270	0	23.81			24.5	1.0
100	16QAM	1	1	24.35			24.5	1.0
100	64QAM	1	1	22.74			23.0	2.5
100	256QAM	1	1	20.54			21.0	4.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.01	25.07	24.59	23.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.09	25.11	24.84	25.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.05	25.05	25.02	25.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.98	25.08	24.96	25.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.03	25.07	25.01	25.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.03	25.01	24.81	25.5	0.0

Par27Q n78 PC3 Ant5 Default Power DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	24.47	3000.01			
100	PI2 BPSK	1	137	24.88			25.5	0.0
100	PI2 BPSK	1	271	24.87				
100	PI2 BPSK	135	0	24.28				
100	PI2 BPSK	135	69	24.82			25.5	0.0
100	PI2 BPSK	135	138	24.15				
100	PI2 BPSK	270	0	24.25			25.0	0.5
100	QPSK	1	1	24.89				
100	QPSK	1	137	25.01			25.5	0.0
100	QPSK	1	271	24.83				
100	QPSK	135	0	23.74				
100	QPSK	135	69	24.62			25.5	0.0
100	QPSK	135	138	23.68				
100	QPSK	270	0	23.67			24.5	1.0
100	16QAM	1	1	24.19			24.5	1.0
100	64QAM	1	1	22.65			23.0	2.5
100	256QAM	1	1	20.40			21.0	4.5
Channel								
Frequency (MHz)								
80	QPSK	1	109	24.83	24.82	24.87	23.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	81	24.89	24.92	24.84	25.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	67	24.85	24.87	24.82	25.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	53	24.88	24.89	24.79	25.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	39	24.90	24.88	24.84	25.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	26	24.86	24.87	24.89	25.5	0.0

Par270 n78 PC2 Ant5 Default Power DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
100	Plz BPSK	1	1	26.42			27.0	0.0	
100	Plz BPSK	1	137	26.41					
100	Plz BPSK	1	271	26.44					
100	Plz BPSK	135	0	23.58					
100	Plz BPSK	135	69	24.14			27.0	0.0	
100	Plz BPSK	135	138	23.61			26.5	0.5	
100	Plz BPSK	270	0	20.64					
100	QPSK	1	1	26.45			27.0	0.0	
100	QPSK	1	137	26.35					
100	QPSK	1	271	26.37					
100	QPSK	135	0	23.18					
100	QPSK	135	69	24.17			27.0	0.0	
100	QPSK	135	138	23.12			26.0	1.0	
100	QPSK	270	0	20.21					
100	16QAM	1	1	26.81			26.0	1.0	
100	16QAM	1	1	24.19			24.5	2.5	
100	256QAM	1	1	21.96			22.5	4.5	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	26.57	26.50	26.41	27.0	0.0	
Channel				649668	650000	651334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	26.33	26.46	26.40	27.0	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	26.35	26.46	26.31	27.0	0.0	
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730	3750	3760	(dBm)	(dB)	
40	QPSK	1	1	26.32	26.48	26.40	27.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3718.02	3750	3782.01	(dBm)	(dB)	
30	QPSK	1	1	25.29	26.51	26.41	27.0	0.0	
Channel				647334	650000	650666	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	26.35	26.42	26.34	27.0	0.0	

Par270 n78 PC2 Ant5 Default Power DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
100	Plz BPSK	1	1	26.53			27.0	0.0	
100	Plz BPSK	1	137	26.30					
100	Plz BPSK	1	271	26.24					
100	Plz BPSK	135	0	23.39					
100	Plz BPSK	135	69	23.95			27.0	0.0	
100	Plz BPSK	135	138	23.45			26.5	3.5	
100	Plz BPSK	270	0	20.53					
100	QPSK	1	1	26.41			27.0	0.0	
100	QPSK	1	137	26.30					
100	QPSK	1	271	26.25					
100	QPSK	135	0	23.00					
100	QPSK	135	69	24.07			27.0	0.0	
100	QPSK	135	138	23.01			26.5	3.5	
100	QPSK	270	0	20.06					
100	16QAM	1	1	26.69			26.0	1.0	
100	16QAM	1	1	24.06			24.5	2.5	
100	256QAM	1	1	21.76			22.5	4.5	
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	26.14	26.34	24.24	27.0	0.0	
Channel				630000	633334	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81	26.17	26.30	26.24	27.0	0.0	
Channel				631193	633334	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	26.25	26.30	26.22	27.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3490.01	3490.01	(dBm)	(dB)	
40	QPSK	1	53	26.19	26.35	26.30	27.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	39	26.17	26.32	26.24	27.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	26.17	26.29	26.21	27.0	0.0	

Reduced power level for 5G NR

n5 DSI1 Ant0 DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	25.5	0.0
Frequency (MHz)				834	836.5	839		
20	Pl/2 BPSK	1	1	24.87	24.95	24.88		
20	Pl/2 BPSK	1	53	24.79	24.91	24.89		
20	Pl/2 BPSK	1	104	24.74	24.72	24.64	25.0	0.5
20	Pl/2 BPSK	50	0	24.41	24.32	24.29		
20	Pl/2 BPSK	50	28	24.91	24.86	24.75		
20	Pl/2 BPSK	50	56	24.32	24.28	24.16		
20	Pl/2 BPSK	100	0	24.36	24.40	24.33	25.5	0.0
20	QPSK	1	1	24.86	24.97	24.91		
20	QPSK	1	53	24.92	24.87	24.83		
20	QPSK	1	104	24.59	24.66	24.66		
20	QPSK	50	0	23.94	23.91	23.83	24.5	1.0
20	QPSK	50	28	24.88	24.94	24.87	25.5	0.0
20	QPSK	50	56	23.83	23.85	23.84	24.5	1.0
20	QPSK	100	0	23.82	23.86	23.80		
20	16QAM	1	1	23.84	23.89	23.80		
20	64QAM	1	1	22.50	22.62	22.67		
20	256QAM	1	1	20.25	20.24	20.19	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	25.5	0.0
15	QPSK	1	1	24.84	24.88	24.86	25.5	0.0
Channel				165800	167300	168800		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.75	24.90	24.71		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	25.5	0.0
5	QPSK	1	1	24.71	24.93	24.81	25.5	0.0

n7 DSI1 Ant0 DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000	25.5	0.0
Frequency (MHz)				2510	2535	2560		
20	Pl/2 BPSK	1	1	24.68	24.78	24.80		
20	Pl/2 BPSK	1	53	24.72	24.79	24.72		
20	Pl/2 BPSK	1	104	24.74	24.82	24.69	25.0	0.5
20	Pl/2 BPSK	50	0	24.24	24.29	24.33		
20	Pl/2 BPSK	50	28	24.72	24.84	24.76		
20	Pl/2 BPSK	50	56	24.19	24.29	24.27		
20	Pl/2 BPSK	100	0	24.35	24.38	24.37	25.5	0.0
20	QPSK	1	1	24.80	24.85	24.79		
20	QPSK	1	53	24.59	24.62	24.58		
20	QPSK	1	104	24.80	24.82	24.78		
20	QPSK	50	0	24.00	23.98	23.92	24.5	1.0
20	QPSK	50	28	24.67	24.84	24.82	25.5	0.0
20	QPSK	50	56	23.91	23.87	23.77	24.5	1.0
20	QPSK	100	0	23.92	23.94	23.88		
20	16QAM	1	1	23.68	23.71	23.63		
20	64QAM	1	1	22.50	22.48	22.54		
20	256QAM	1	1	20.10	20.15	20.19	21.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	25.5	0.0
15	QPSK	1	1	24.58	24.80	24.79	25.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.42	24.73	24.63		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	25.5	0.0
5	QPSK	1	1	24.47	24.82	24.58	25.5	0.0



n38 DS11 Ant0 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				519004	519000	519998	25.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	24.80	24.89	24.78		
40	PI2 BPSK	1	53	24.83	24.87	24.96		
40	PI2 BPSK	1	104	24.83	24.85	24.79	25.5	0.0
40	PI2 BPSK	50	0	24.43	24.34	24.35	25.5	0.0
40	PI2 BPSK	50	28	24.85	24.81	24.82	25.5	0.0
40	PI2 BPSK	50	58	24.31	24.35	24.29	25.5	0.0
40	PI2 BPSK	100	0	24.17	24.28	24.26		
40	QPSK	1	1	24.88	24.95	24.95	25.5	0.0
40	QPSK	1	53	24.85	24.95	24.93		
40	QPSK	1	104	24.86	24.92	24.89		
40	QPSK	50	0	23.88	23.90	23.91		
40	QPSK	50	28	24.84	24.86	24.74	25.5	0.0
40	QPSK	50	58	23.99	23.93	23.94	25.5	0.0
40	QPSK	100	0	23.84	23.96	23.93	25.5	0.0
40	16QAM	1	1	23.88	23.88	23.98		
40	64QAM	1	1	22.88	22.81	22.72		
40	256QAM	1	1	20.07	20.18	20.28		
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99	25.5	0.0
30	QPSK	1	1	24.87	24.82	24.82		
Channel				519000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	24.93	24.81	24.79	25.5	0.0

n41 PC3 DS11 Ant0 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502002	518598	520000	25.5	0.0
Frequency (MHz)				2548.01	2592.99	2640		
100	PI2 BPSK	1	1	24.53	24.48	24.51		
100	PI2 BPSK	1	137	24.51	24.49	24.52		
100	PI2 BPSK	1	271	24.48	24.53	24.52	25.0	0.5
100	PI2 BPSK	135	0	24.47	24.41	24.32	25.0	0.0
100	PI2 BPSK	135	69	24.50	24.51	24.53	25.5	0.0
100	PI2 BPSK	135	138	24.49	24.43	24.42	25.0	0.5
100	PI2 BPSK	270	0	24.36	24.41	24.38		
100	QPSK	1	1	24.49	24.55	24.53	25.5	0.0
100	QPSK	1	137	24.54	24.48	24.44		
100	QPSK	1	271	24.48	24.53	24.51		
100	QPSK	135	0	24.40	24.37	24.45	24.5	1.0
100	QPSK	135	69	24.45	24.49	24.47	25.5	0.0
100	QPSK	135	138	24.38	24.35	24.27	24.5	1.0
100	QPSK	270	0	24.35	24.38	24.34		
100	16QAM	1	1	24.47	24.49	24.48	24.5	1.0
100	64QAM	1	1	21.93	21.93	22.11	23.0	2.5
100	256QAM	1	1	19.97	19.98	20.08	21.0	4.5
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99	25.5	0.0
80	QPSK	1	1	24.49	24.45	24.45		
Channel				508200	518598	521000		
Frequency (MHz)				2526	2592.99	2609.98		
60	QPSK	1	1	24.28	24.38	24.33	25.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.01	2592.99	2670	25.5	0.0
40	QPSK	1	1	24.34	24.47	24.43		
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.48	24.43	24.34	25.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	25.5	0.0
20	QPSK	1	1	24.42	24.48	24.48		

n41 PC2 DS11 Ant0 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502002	518598	520000	27.0	0.0
Frequency (MHz)				2548.01	2592.99	2640		
100	PI2 BPSK	1	1	25.72	26.15	25.68		
100	PI2 BPSK	1	137	25.72	25.99	25.73		
100	PI2 BPSK	1	271	25.74	26.00	25.76	27.0	0.0
100	PI2 BPSK	135	0	25.25	25.57	25.17	27.0	0.0
100	PI2 BPSK	135	69	25.50	26.12	25.49	27.0	0.0
100	PI2 BPSK	135	138	25.32	25.71	25.19	27.0	0.0
100	PI2 BPSK	270	0	25.33	25.61	25.23		
100	QPSK	1	1	25.74	26.16	25.85	27.0	0.0
100	QPSK	1	137	25.53	26.02	25.73		
100	QPSK	1	271	25.73	25.95	25.68		
100	QPSK	135	0	24.83	25.25	24.74	26.0	1.0
100	QPSK	135	69	25.57	26.02	25.73	27.0	0.0
100	QPSK	135	138	24.58	24.96	24.68	26.0	1.0
100	QPSK	270	0	24.46	24.99	24.63		
100	16QAM	1	1	24.82	25.11	24.78	27.0	0.0
100	64QAM	1	1	23.06	23.46	23.13	27.0	0.0
100	256QAM	1	1	21.15	21.57	21.33	27.0	0.0
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99	27.0	0.0
80	QPSK	1	1	25.61	26.02	25.76		
Channel				508200	518598	531000		
Frequency (MHz)				2526	2592.99	2609.98		
60	QPSK	1	1	25.65	26.03	25.78	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.01	2592.99	2670	27.0	0.0
40	QPSK	1	1	25.67	25.99	25.79		
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.66	26.07	25.71	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.02	2592.99	2679.99	27.0	0.0
20	QPSK	1	1	25.75	26.15	25.65		

n5 Ant4 DS1 DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	24.18	24.08	23.96			
20	PI/2 BPSK	1	53	24.14	24.03	24.00	24.5	0.0	
20	PI/2 BPSK	1	104	23.99	23.97	23.80			
20	PI/2 BPSK	50	0	23.67	23.55	23.59			
20	PI/2 BPSK	50	28	24.05	23.97	24.03	24.5	0.0	
20	PI/2 BPSK	50	56	23.54	23.63	23.63	24.5	0.0	
20	PI/2 BPSK	100	0	23.50	23.58	23.76			
20	QPSK	1	1	24.07	24.27	24.16			
20	QPSK	1	53	24.25	24.22	24.20	24.5	0.0	
20	QPSK	1	104	23.50	23.37	23.39			
20	QPSK	50	0	23.00	23.15	23.02			
20	QPSK	50	28	23.84	24.13	24.08	24.5	0.0	
20	QPSK	50	56	23.07	23.15	22.96	24.5	0.0	
20	QPSK	100	0	23.02	23.19	22.85			
20	16QAM	1	1	23.10	23.02	23.18			
20	64QAM	1	1	21.46	21.27	21.24	23.0	1.5	
20	256QAM	1	1	19.21	19.10	19.34	21.0	3.5	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	23.88	24.10	23.95			
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	23.96	24.25	24.17			
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	24.01	24.20	24.16			

n7 Ant4 DS11 DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	18.85	18.84	18.86	20.0	0.0	
20	PI/2 BPSK	1	53	18.65	18.81	18.84			
20	PI/2 BPSK	1	104	18.82	18.85	18.73			
20	PI/2 BPSK	50	0	18.69	18.90	18.68	20.0	0.0	
20	PI/2 BPSK	50	28	18.71	18.88	18.88	20.0	0.0	
20	PI/2 BPSK	50	56	18.66	18.74	18.69	20.0	0.0	
20	PI/2 BPSK	100	0	18.66	18.79	18.87			
20	QPSK	1	1	18.87	18.93	18.86			
20	QPSK	1	53	18.87	18.88	18.85	20.0	0.0	
20	QPSK	1	104	18.81	18.76	18.83			
20	QPSK	50	0	18.67	18.77	18.68			
20	QPSK	50	28	18.64	18.86	18.72	19.0	1.0	
20	QPSK	50	56	18.74	18.84	18.81	19.0	1.0	
20	QPSK	100	0	18.69	18.85	18.81			
20	16QAM	1	1	18.71	18.87	18.81			
20	64QAM	1	1	18.73	18.81	18.86	20.0	0.0	
20	256QAM	1	1	18.65	18.79	18.82	20.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.76	18.91	18.83	20.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	18.77	18.81	18.76	-20.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.66	18.92	18.66	20.0	0.0	

n38 Ant4 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	20.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	18.27	18.29	18.36			
40	PI/2 BPSK	1	53	18.26	18.40	18.32			
40	PI/2 BPSK	1	104	18.24	18.37	18.34	20.0	0.0	
40	PI/2 BPSK	50	0	18.39	18.30	18.16			
40	PI/2 BPSK	50	28	18.40	18.40	18.33			
40	PI/2 BPSK	50	56	18.40	18.33	18.31			
40	PI/2 BPSK	100	0	18.29	18.36	18.40	20.0	0.0	
40	QPSK	1	1	18.26	18.42	18.35			
40	QPSK	1	53	18.24	18.40	18.38	20.0	0.0	
40	QPSK	1	104	18.33	18.35	18.40			
40	QPSK	50	0	18.20	18.24	18.16			
40	QPSK	50	28	18.11	18.11	18.21			
40	QPSK	50	56	18.17	18.12	18.23	20.0	0.0	
40	QPSK	100	0	18.23	18.30	18.24			
40	16QAM	1	1	18.27	18.23	18.15	20.0	0.0	
40	64QAM	1	1	18.25	18.12	18.24	20.0	0.0	
40	256QAM	1	1	18.07	18.18	18.13	20.0	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	18.01	18.10	18.07	20.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	18.06	18.19	18.01	20.0	0.0	

PC2&3 n41 Ant4 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	20.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.20	18.39	18.33	20.0	0.0	
100	PI/2 BPSK	1	137	18.17	18.42	18.22			
100	PI/2 BPSK	1	271	18.37	18.40	18.33			
100	PI/2 BPSK	135	0	18.27	18.41	18.33	20.0	0.0	
100	PI/2 BPSK	135	69	18.24	18.38	18.30	20.0	0.0	
100	PI/2 BPSK	135	138	18.29	18.36	18.28	20.0	0.0	
100	PI/2 BPSK	270	0	18.25	18.34	18.38			
100	QPSK	1	1	18.35	18.63	18.33	20.0	0.0	
100	QPSK	1	137	18.06	18.31	18.12			
100	QPSK	1	271	18.03	18.31	18.10			
100	QPSK	135	0	18.18	18.26	18.23	20.0	0.0	
100	QPSK	135	69	18.21	18.29	18.11	20.0	0.0	
100	QPSK	135	138	18.15	18.22	18.28	20.0	0.0	
100	QPSK	270	0	18.27	18.32	18.19			
100	16QAM	1	1	18.14	18.17	18.33	20.0	0.0	
100	64QAM	1	1	18.35	18.23	18.12	20.0	0.0	
100	256QAM	1	1	18.09	18.19	18.39	20.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99	20.0	0.0	
80	QPSK	1	1	18.23	18.39	18.35	20.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	20.0	0.0	
60	QPSK	1	1	18.17	18.26	18.21	20.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	20.0	0.0	
40	QPSK	1	1	18.18	18.24	18.19	20.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	20.0	0.0	
30	QPSK	1	1	18.19	18.29	18.27	20.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99	20.0	0.0	
20	QPSK	1	1	18.14	18.35	18.17	20.0	0.0	

PC2&3 Part270 n77 Ant3 DSI1 DFT-30

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	17.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	15.62	15.56	15.52	17.0	0.0
100	PI/2 BPSK	1	137	15.67	15.54	15.55		
100	PI/2 BPSK	1	271	15.63	15.47	15.52		
100	PI/2 BPSK	135	0	15.65	15.60	15.63	17.0	0.0
100	PI/2 BPSK	135	69	15.48	15.62	15.44	17.0	0.0
100	PI/2 BPSK	135	138	15.61	15.60	15.60	17.0	0.0
100	PI/2 BPSK	270	0	15.43	15.31	15.30	17.0	0.0
100	QPSK	1	1	15.62	15.72	15.58		
100	QPSK	1	137	15.61	15.46	15.70		
100	QPSK	1	271	15.43	15.35	15.47	17.0	0.0
100	QPSK	135	0	15.62	15.59	15.59	17.0	0.0
100	QPSK	135	69	15.50	15.66	15.37	17.0	0.0
100	QPSK	135	138	15.49	15.41	15.36	17.0	0.0
100	QPSK	270	0	15.33	15.41	15.31	17.0	0.0
100	16QAM	1	1	15.46	15.28	15.21		
100	64QAM	1	1	15.57	15.63	15.51		
100	256QAM	1	1	15.47	15.20	15.70	17.0	0.0
Channel				640334	656000	662668	17.0	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.51	15.50	15.45	17.0	0.0
Channel				648668	656000	663334	17.0	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.47	15.62	15.45	17.0	0.0
Channel				648334	656000	663668	17.0	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.54	15.60	15.51	17.0	0.0
Channel				648000	656000	664000	17.0	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.48	15.57	15.52	17.0	0.0
Channel				647668	656000	664334	17.0	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.51	15.67	15.42	17.0	0.0
Channel				647334	656000	664668	17.0	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.47	15.56	15.49	17.0	0.0

PC2&3 Part27Q n77 Ant3 DSI1 DFT-30

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				632000	633334		17.0	0.0
Frequency (MHz)				3500.01	3500.01			
100	PI/2 BPSK	1	1	15.45			17.0	0.0
100	PI/2 BPSK	1	137	15.49				
100	PI/2 BPSK	1	271	15.39				
100	PI/2 BPSK	135	0	15.55			17.0	0.0
100	PI/2 BPSK	135	69	15.46				
100	PI/2 BPSK	135	138	15.50				
100	PI/2 BPSK	270	0	15.25			17.0	0.0
100	QPSK	1	1	15.62			17.0	0.0
100	QPSK	1	137	15.40				
100	QPSK	1	271	15.22				
100	QPSK	135	0	15.48			17.0	0.0
100	QPSK	135	69	15.52				
100	QPSK	135	138	15.34				
100	QPSK	270	0	15.30			17.0	0.0
100	16QAM	1	1	15.16			17.0	0.0
100	64QAM	1	1	15.57			17.0	0.0
100	256QAM	1	1	15.21			17.0	0.0
Channel				632668	633334	634000	17.0	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	15.30	15.45	15.39	17.0	0.0
Channel				632000	633334	634668	17.0	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	15.45	15.51	15.34	17.0	0.0
Channel				631668	633334	636000	17.0	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	15.47	15.40	15.38	17.0	0.0
Channel				631334	633334	636334	17.0	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	15.42	15.45	15.32	17.0	0.0
Channel				631000	633334	636668	17.0	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	15.36	15.51	15.35	17.0	0.0
Channel				630668	633334	636000	17.0	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	15.42	15.54	15.31	17.0	0.0

PC2&3 Part27O n78 Ant3 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		15.41		17.0	0.0	
100	PI/2 BPSK	1	137		15.47				
100	PI/2 BPSK	1	271		15.36				
100	PI/2 BPSK	135	0		15.46				
100	PI/2 BPSK	135	69		15.54		17.0	0.0	
100	PI/2 BPSK	135	138		15.45		17.0	0.0	
100	PI/2 BPSK	270	0		15.19				
100	QPSK	1	1		15.68		17.0	0.0	
100	QPSK	1	137		15.40				
100	QPSK	1	271		15.26				
100	QPSK	135	0		15.50				
100	QPSK	135	69		15.62		17.0	0.0	
100	QPSK	135	138		15.30		17.0	0.0	
100	QPSK	270	0		15.32				
100	16QAM	1	1		15.23		17.0	0.0	
100	64QAM	1	1		15.57		17.0	0.0	
100	256QAM	1	1		15.19		17.0	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	15.50	15.62	15.42	17.0	0.0	
Channel				646698	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	15.47	15.53	15.44	17.0	0.0	
Channel				646334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	15.55	15.50	15.51	17.0	0.0	
Channel				646000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	15.40	15.66	15.45	17.0	0.0	
Channel				647698	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	15.55	15.63	15.49	17.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	15.47	15.57	15.43	17.0	0.0	

PC2&3 Part27Q n78 Ant3 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		15.32		17.0	0.0	
100	PI/2 BPSK	1	137		15.34				
100	PI/2 BPSK	1	271		15.24				
100	PI/2 BPSK	135	0		15.36				
100	PI/2 BPSK	135	69		15.44		17.0	0.0	
100	PI/2 BPSK	135	138		15.38				
100	PI/2 BPSK	270	0		15.12		17.0	0.0	
100	QPSK	1	1		15.62		17.0	0.0	
100	QPSK	1	137		15.26				
100	QPSK	1	271		15.16				
100	QPSK	135	0		15.37				
100	QPSK	135	69		15.48		17.0	0.0	
100	QPSK	135	138		15.22				
100	QPSK	270	0		15.23		17.0	0.0	
100	16QAM	1	1		15.11		17.0	0.0	
100	64QAM	1	1		15.43		17.0	0.0	
100	256QAM	1	1		15.08		17.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	109	15.43	15.49	15.27	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81	15.48	15.49	15.33	17.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67	15.52	15.55	15.31	17.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53	15.47	15.59	15.30	17.0	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	39	15.46	15.49	15.36	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	26	15.47	15.57	15.33	17.0	0.0	

PC2&3 Part270 n77 Ant5 DS11 DFT-30

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	17.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	16.50	16.58	16.40	17.0	0.0
100	PI/2 BPSK	1	137	16.40	16.37	16.56		
100	PI/2 BPSK	1	271	16.51	16.59	16.50		
100	PI/2 BPSK	135	0	16.41	16.40	16.62	17.0	0.0
100	PI/2 BPSK	135	69	16.42	16.57	16.59	17.0	0.0
100	PI/2 BPSK	135	138	16.47	16.50	16.43	17.0	0.0
100	PI/2 BPSK	270	0	16.27	16.32	16.21		
100	QPSK	1	1	16.62	16.71	16.49	17.0	0.0
100	QPSK	1	137	16.50	16.44	16.47		
100	QPSK	1	271	16.24	16.33	16.23		
100	QPSK	135	0	16.54	16.51	16.53	17.0	0.0
100	QPSK	135	69	16.39	16.61	16.50	17.0	0.0
100	QPSK	135	138	16.23	16.36	16.46	17.0	0.0
100	QPSK	270	0	16.34	16.40	16.32		
100	16QAM	1	1	16.34	16.27	16.20	17.0	0.0
100	64QAM	1	1	16.34	16.49	16.54	17.0	0.0
100	256QAM	1	1	16.28	16.25	16.50	17.0	0.0
Channel				663334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.47	16.65	16.33	17.0	0.0
Channel				668668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.48	16.50	16.33	17.0	0.0
Channel				663334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735.01	3840	3955.02		
50	QPSK	1	1	16.50	16.50	16.44	17.0	0.0
Channel				668000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.47	16.55	16.34	17.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.53	16.64	16.30	17.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.48	16.66	16.36	17.0	0.0

PC2&3 Part27Q n77 Ant5 DS11 DFT-30

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334		17.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	16.47			17.0	0.0
100	PI/2 BPSK	1	137	16.32				
100	PI/2 BPSK	1	271	16.47				
100	PI/2 BPSK	135	0	16.32			17.0	0.0
100	PI/2 BPSK	135	69	16.44				
100	PI/2 BPSK	135	138	16.41			17.0	0.0
100	PI/2 BPSK	270	0	16.25				
100	QPSK	1	1	16.59			17.0	0.0
100	QPSK	1	137	16.29				
100	QPSK	1	271	16.21				
100	QPSK	135	0	16.42			17.0	0.0
100	QPSK	135	69	16.53				
100	QPSK	135	138	16.25			17.0	0.0
100	QPSK	270	0	16.31				
100	16QAM	1	1	16.15			17.0	0.0
100	64QAM	1	1	16.44			17.0	0.0
100	256QAM	1	1	16.16			17.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	109	16.33	16.55	16.21	17.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	16.42	16.52	16.25	17.0	0.0
Channel				631668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	16.30	16.52	16.17	17.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	16.30	16.50	16.28	17.0	0.0
Channel				631000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	16.30	16.52	16.21	17.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	26	16.41	16.55	16.29	17.0	0.0

PC2&3 Part270 n78 Ant5 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1		16.52		17.0	0.0	
100	PI/2 BPSK	1	137		16.27				
100	PI/2 BPSK	1	271		16.55				
100	PI/2 BPSK	135	0		16.33				
100	PI/2 BPSK	135	69		16.46		17.0	0.0	
100	PI/2 BPSK	135	138		16.42		17.0	0.0	
100	PI/2 BPSK	270	0		16.16				
100	QPSK	1	1		16.58		17.0	0.0	
100	QPSK	1	137		16.36				
100	QPSK	1	271		16.27				
100	QPSK	135	0		16.41				
100	QPSK	135	69		16.50		17.0	0.0	
100	QPSK	135	138		16.23		17.0	0.0	
100	QPSK	270	0		16.27				
100	16QAM	1	1		16.18		17.0	0.0	
100	64QAM	1	1		16.42		17.0	0.0	
100	256QAM	1	1		16.10		17.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	16.40	16.51	16.30	17.0	0.0	
Channel				646668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	16.33	16.47	16.22	17.0	0.0	
Channel				646334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	16.20	16.41	16.16	17.0	0.0	
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	16.36	16.30	16.25	17.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	16.34	16.43	16.23	17.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	16.33	16.38	16.19	17.0	0.0	

PC2&3 Part27Q n78 Ant5 DSI1 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		16.39		17.0	0.0	
100	PI/2 BPSK	1	137		16.21				
100	PI/2 BPSK	1	271		16.31				
100	PI/2 BPSK	135	0		16.20				
100	PI/2 BPSK	135	69		16.40		17.0	0.0	
100	PI/2 BPSK	135	138		16.35				
100	PI/2 BPSK	270	0		16.01		17.0	0.0	
100	QPSK	1	1		16.44		17.0	0.0	
100	QPSK	1	137		16.29				
100	QPSK	1	271		16.23				
100	QPSK	135	0		16.36				
100	QPSK	135	69		16.41		17.0	0.0	
100	QPSK	135	138		16.17				
100	QPSK	270	0		16.14		17.0	0.0	
100	16QAM	1	1		16.09		17.0	0.0	
100	64QAM	1	1		16.27		17.0	0.0	
100	256QAM	1	1		16.05		17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	16.31	16.40	16.25	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	16.31	16.38	16.23	17.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	16.35	16.41	16.22	17.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	16.37	16.38	16.21	17.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39	16.30	16.40	16.20	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	16.42	16.41	16.19	17.0	0.0	

n5 DSI2 Ant0 DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.87	24.95	24.88	25.5	0.0
20	PI/2 BPSK	1	53	24.79	24.91	24.89		
20	PI/2 BPSK	1	104	24.74	24.72	24.64		
20	PI/2 BPSK	50	0	24.41	24.32	24.29		
20	PI/2 BPSK	50	28	24.91	24.86	24.75	25.5	0.0
20	PI/2 BPSK	50	56	24.32	24.28	24.16	25.0	0.5
20	PI/2 BPSK	100	0	24.36	24.40	24.33		
20	QPSK	1	1	24.86	24.97	24.91	25.5	0.0
20	QPSK	1	53	24.92	24.87	24.83		
20	QPSK	1	104	24.59	24.66	24.66		
20	QPSK	50	0	23.94	23.91	23.83	24.5	1.0
20	QPSK	50	28	24.88	24.94	24.87	25.5	0.0
20	QPSK	50	56	23.83	23.85	23.84	24.5	1.0
20	QPSK	100	0	23.82	23.86	23.80		
20	16QAM	1	1	23.84	23.89	23.80	24.5	1.0
20	64QAM	1	1	22.50	22.62	22.67	23.0	2.5
20	256QAM	1	1	20.25	20.24	20.19	21.0	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.84	24.88	24.88	25.5	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.75	24.90	24.71	25.5	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.71	24.93	24.81	25.5	0.0

n7 DSI2 Ant0 DFT-15								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.68	24.78	24.80	25.5	0.0
20	PI/2 BPSK	1	53	24.72	24.79	24.72		
20	PI/2 BPSK	1	104	24.74	24.82	24.69		
20	PI/2 BPSK	50	0	24.24	24.29	24.33		
20	PI/2 BPSK	50	28	24.72	24.84	24.76	25.5	0.0
20	PI/2 BPSK	50	56	24.19	24.29	24.27	25.0	0.5
20	PI/2 BPSK	100	0	24.35	24.38	24.37		
20	QPSK	1	1	24.80	24.85	24.79	25.5	0.0
20	QPSK	1	53	24.59	24.62	24.58		
20	QPSK	1	104	24.80	24.82	24.78		
20	QPSK	50	0	24.00	23.98	23.92	24.5	1.0
20	QPSK	50	28	24.67	24.84	24.82	25.5	0.0
20	QPSK	50	56	23.97	23.87	23.77	24.5	1.0
20	QPSK	100	0	23.92	23.94	23.88		
20	16QAM	1	1	23.68	23.71	23.63	24.5	1.0
20	64QAM	1	1	22.50	22.46	22.54	23.0	2.5
20	256QAM	1	1	20.10	20.15	20.19	21.0	4.5
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.58	24.80	24.79	25.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.42	24.73	24.63	25.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	24.47	24.82	24.58	25.5	0.0



n38 DS12 Ant0 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	518000	519998	25.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	24.80	24.89	24.78		
40	PI2 BPSK	1	53	24.83	24.87	24.96		
40	PI2 BPSK	1	104	24.83	24.85	24.79	25.0	0.5
40	PI2 BPSK	50	0	24.43	24.34	24.35		
40	PI2 BPSK	50	28	24.85	24.81	24.82		
40	PI2 BPSK	50	58	24.31	24.35	24.29		
40	PI2 BPSK	100	0	24.17	24.28	24.26	25.5	0.0
40	QPSK	1	1	24.88	24.95	24.95		
40	QPSK	1	53	24.85	24.95	24.93		
40	QPSK	1	104	24.86	24.92	24.89		
40	QPSK	50	0	23.88	23.90	23.91	24.5	1.0
40	QPSK	50	28	24.84	24.86	24.74		
40	QPSK	50	58	23.99	23.93	23.94		
40	QPSK	100	0	23.84	23.96	23.93		
40	16QAM	1	1	23.88	23.88	23.98	23.0	2.5
40	64QAM	1	1	22.88	22.81	22.72		
40	256QAM	1	1	20.07	20.18	20.28		
Channel				517002	518000	520998		
Frequency (MHz)				2585.01	2595	2604.99	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	24.87	24.82	24.82	25.5	0.0
Channel				518000	518000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	24.93	24.81	24.79		

n41 PC3 DS12 Ant0 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				520202	518598	520990	25.5	0.0
Frequency (MHz)				2548.01	2592.99	2640		
100	PI2 BPSK	1	1	24.53	24.48	24.51		
100	PI2 BPSK	1	137	24.51	24.49	24.52		
100	PI2 BPSK	1	271	24.48	24.53	24.52	25.0	0.5
100	PI2 BPSK	135	0	24.47	24.41	24.32		
100	PI2 BPSK	135	69	24.50	24.51	24.53		
100	PI2 BPSK	135	138	24.49	24.43	24.42		
100	PI2 BPSK	270	0	24.36	24.41	24.38	25.5	0.0
100	QPSK	1	1	24.49	24.55	24.53		
100	QPSK	1	137	24.54	24.48	24.44		
100	QPSK	1	271	24.48	24.53	24.51		
100	QPSK	135	0	24.40	24.37	24.45	24.5	1.0
100	QPSK	135	69	24.45	24.49	24.47		
100	QPSK	135	138	24.38	24.35	24.27		
100	QPSK	270	0	24.35	24.38	24.34		
100	16QAM	1	1	24.47	24.49	24.48	24.5	1.0
100	64QAM	1	1	21.93	21.93	22.11		
100	256QAM	1	1	19.97	19.98	20.08		
Channel				507204	518598	520998		
Frequency (MHz)				2538.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	24.49	24.45	24.45	25.5	0.0
Channel				532203	518598	531996		
Frequency (MHz)				2526	2592.99	2609.98		
60	QPSK	1	1	24.28	24.38	24.33		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.01	2592.99	2670		
40	QPSK	1	1	24.34	24.47	24.43		
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	24.48	24.43	24.34		
Channel				531204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.42	24.48	24.48	25.5	0.0

n41 PC2 DS12 Ant0 DFT-30								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				520202	518598	520990	25.5	0.0
Frequency (MHz)				2548.01	2592.99	2640		
100	PI2 BPSK	1	1	25.72	26.15	25.68		
100	PI2 BPSK	1	137	25.72	25.99	25.73		
100	PI2 BPSK	1	271	25.74	26.00	25.76	27.0	0.5
100	PI2 BPSK	135	0	25.25	25.57	25.17		
100	PI2 BPSK	135	69	25.50	26.12	25.49		
100	PI2 BPSK	135	138	25.32	25.71	25.19		
100	PI2 BPSK	270	0	25.33	25.61	25.23	26.5	0.5
100	QPSK	1	1	25.74	26.16	25.85		
100	QPSK	1	137	25.53	26.02	25.73		
100	QPSK	1	271	25.73	25.95	25.68		
100	QPSK	135	0	24.83	25.25	24.74	26.0	1.0
100	QPSK	135	69	25.57	26.02	25.73		
100	QPSK	135	138	24.58	24.96	24.68		
100	QPSK	270	0	24.46	24.99	24.63		
100	16QAM	1	1	24.82	25.11	24.78	26.0	1.0
100	64QAM	1	1	23.08	23.46	23.13		
100	256QAM	1	1	21.15	21.57	21.33		
Channel				507204	518598	520998		
Frequency (MHz)				2538.02	2592.99	2649.99	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	25.61	26.02	25.76	27.0	0.0
Channel				532203	518598	531996		
Frequency (MHz)				2526	2592.99	2609.98		
60	QPSK	1	1	25.65	26.03	25.78		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.01	2592.99	2670		
40	QPSK	1	1	25.67	25.99	25.79		
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	25.66	26.07	25.71		
Channel				531204	518598	535998		
Frequency (MHz)				2508.02	2592.99	2679.99		
20	QPSK	1	1	25.75	26.15	25.65	27.0	0.0

n5 DSI2 Ant4 DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	25.15	25.14	25.06	25.5	0.0	
20	PI/2 BPSK	1	53	25.06	25.11	25.02			
20	PI/2 BPSK	1	104	24.90	24.95	24.86			
20	PI/2 BPSK	50	0	24.60	24.65	24.68	25.0	0.5	
20	PI/2 BPSK	50	28	25.09	25.05	25.05	25.5	0.0	
20	PI/2 BPSK	50	56	24.66	24.58	24.56	25.0	0.5	
20	PI/2 BPSK	100	0	24.59	24.55	24.64			
20	QPSK	1	1	24.96	25.17	25.09	25.5	0.0	
20	QPSK	1	53	25.14	25.15	25.10			
20	QPSK	1	104	24.46	24.44	24.33			
20	QPSK	50	0	24.07	24.10	24.04	24.5	1.0	
20	QPSK	50	28	24.90	25.07	25.01	25.5	0.0	
20	QPSK	50	56	24.07	24.09	23.99	24.5	1.0	
20	QPSK	100	0	23.98	24.09	23.89			
20	16QAM	1	1	24.17	24.07	24.06	24.5	1.0	
20	64QAM	1	1	22.43	22.34	22.33	23.0	2.5	
20	256QAM	1	1	20.12	20.19	20.22	21.0	4.5	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	24.81	25.01	24.92	25.5	0.0	
Channel				165800	167300	168800			
Frequency (MHz)				829	836.5	844	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	24.88	25.05	25.07	25.5	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	24.91	25.10	25.00	25.5	0.0	

n7 DSI2 Ant4 DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000	24.5	0.0	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	23.20	23.22	23.11			
20	PI/2 BPSK	1	53	23.13	23.30	23.09	24.0	0.5	
20	PI/2 BPSK	1	104	23.20	23.31	23.05			
20	PI/2 BPSK	50	0	22.75	22.85	22.69			
20	PI/2 BPSK	50	28	23.31	23.23	23.29	24.5	0.0	
20	PI/2 BPSK	50	56	22.81	22.84	22.68	24.0	0.5	
20	PI/2 BPSK	100	0	22.78	22.73	22.90			
20	QPSK	1	1	23.26	23.34	23.27	24.5	0.0	
20	QPSK	1	53	23.21	23.24	23.04			
20	QPSK	1	104	23.08	23.30	23.08			
20	QPSK	50	0	23.10	23.13	23.28	23.5	1.0	
20	QPSK	50	28	23.24	23.28	23.22	24.5	0.0	
20	QPSK	50	56	23.16	23.19	23.13	23.5	1.0	
20	QPSK	100	0	22.27	22.38	22.29			
20	16QAM	1	1	22.33	22.35	22.49	23.5	1.0	
20	64QAM	1	1	20.69	20.83	20.59	22.0	2.5	
20	256QAM	1	1	18.73	18.74	18.73	20.0	4.5	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.5	0.0	
15	QPSK	1	1	23.22	23.29	23.19	24.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.5	0.0	
10	QPSK	1	1	23.23	23.20	23.24	24.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.5	0.0	
5	QPSK	1	1	23.14	23.22	23.15	24.5	0.0	



n38 DS12 Ant4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	518998			
Frequency (MHz)				2580.02	2585	2599.98			
40	PI2 BPSK	1	1	23.35	23.40	23.44			
40	PI2 BPSK	1	53	23.34	23.30	23.28	24.5	0.0	
40	PI2 BPSK	1	104	23.22	23.28	23.19			
40	PI2 BPSK	50	0	22.74	22.70	22.59	24.0	0.5	
40	PI2 BPSK	50	28	23.17	23.10	23.04	24.5	0.0	
40	PI2 BPSK	50	58	22.67	22.64	22.66			
40	PI2 BPSK	100	0	22.63	22.60	22.48	24.0	0.5	
40	QPSK	1	1	23.35	23.45	23.44			
40	QPSK	1	53	23.28	23.44	23.31	24.5	0.0	
40	QPSK	1	104	23.32	23.41	23.27			
40	QPSK	50	0	22.30	22.15	22.25	23.5	1.0	
40	QPSK	50	28	23.37	23.40	23.37	24.5	0.0	
40	QPSK	50	58	22.29	22.41	22.42	23.5	1.0	
40	QPSK	100	0	22.35	22.40	22.38			
40	16QAM	1	1	22.65	22.55	22.54	23.5	1.0	
40	64QAM	1	1	21.11	21.12	21.04	22.0	2.5	
40	256QAM	1	1	18.08	18.18	18.12	20.0	4.5	
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.32	23.47	23.25	24.5	0.0	
Channel				517000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.25	23.34	23.36	24.5	0.0	

n41 PC3 DS12 Ant4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	520900			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	23.17	23.18	23.23			
100	PI2 BPSK	1	137	23.29	23.16	23.28	24.5	0.0	
100	PI2 BPSK	1	271	23.24	23.18	23.08			
100	PI2 BPSK	135	0	23.14	23.19	23.19	24.0	0.5	
100	PI2 BPSK	135	69	22.98	23.21	22.98	24.5	0.0	
100	PI2 BPSK	135	138	23.10	23.01	23.20			
100	PI2 BPSK	270	0	22.99	23.05	23.11	24.0	0.5	
100	QPSK	1	1	23.17	23.30	23.12			
100	QPSK	1	137	23.20	23.21	23.22	24.5	0.0	
100	QPSK	1	271	23.29	23.09	23.07			
100	QPSK	135	0	23.04	23.26	23.18	23.5	1.0	
100	QPSK	135	69	23.08	23.08	23.14	24.5	0.0	
100	QPSK	135	138	22.96	23.08	22.94			
100	QPSK	270	0	23.09	23.24	23.04	23.5	1.0	
100	16QAM	1	1	23.08	23.21	23.22	23.5	1.0	
100	64QAM	1	1	20.86	20.83	20.66	22.0	2.5	
100	256QAM	1	1	18.82	18.84	18.82	20.0	4.5	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.02	23.00	22.98	24.5	0.0	
Channel				505200	518598	521596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.07	22.99	23.01	24.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	22.93	23.04	22.90	24.5	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.02	23.04	22.83	24.5	0.0	
Channel				501204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.07	23.00	22.94	24.5	0.0	

n41 PC2 DS12 Ant4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	520900			
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	24.21	24.29	24.27	26.0	0.0	
100	PI2 BPSK	1	137	24.17	24.34	24.28			
100	PI2 BPSK	1	271	23.79	23.88	23.89	22.5	3.5	
100	PI2 BPSK	135	0	23.77	23.93	23.69			
100	PI2 BPSK	135	69	24.37	24.12	24.25	26.0	0.0	
100	PI2 BPSK	135	138	23.62	23.61	23.72	22.5	3.5	
100	PI2 BPSK	270	0	23.71	23.77	23.77	25.5	0.5	
100	QPSK	1	1	24.38	24.44	24.30	26.0	0.0	
100	QPSK	1	137	24.05	24.22	24.27			
100	QPSK	1	271	23.85	24.01	23.71	22.5	3.5	
100	QPSK	135	0	23.59	23.65	23.70			
100	QPSK	135	69	24.38	24.39	24.25	26.0	0.0	
100	QPSK	135	138	22.42	22.45	22.43	22.5	3.5	
100	QPSK	270	0	23.29	23.35	23.18	25.5	0.5	
100	16QAM	1	1	22.34	22.27	22.44	25.0	1.0	
100	64QAM	1	1	21.36	21.28	21.44	23.5	2.5	
100	256QAM	1	1	19.89	19.75	19.77	21.5	4.5	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	24.19	24.37	24.22	26.0	0.0	
Channel				505200	518598	521596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	24.11	24.35	24.21	26.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	24.17	24.36	24.19	26.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	24.21	24.33	24.23	26.0	0.0	
Channel				501204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	24.11	24.31	24.20	26.0	0.0	

PC2&3 Part270 n77 Ant3 DSi2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	17.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.62	15.56	15.52	17.0	0.0	
100	PI/2 BPSK	1	137	15.67	15.54	15.55			
100	PI/2 BPSK	1	271	15.63	15.47	15.52			
100	PI/2 BPSK	135	0	15.65	15.60	15.63			
100	PI/2 BPSK	135	69	15.48	15.62	15.44	17.0	0.0	
100	PI/2 BPSK	135	138	15.61	15.60	15.60	17.0	0.0	
100	PI/2 BPSK	270	0	15.43	15.31	15.30			
100	QPSK	1	1	15.62	15.72	15.58	17.0	0.0	
100	QPSK	1	137	15.61	15.46	15.70			
100	QPSK	1	271	15.43	15.35	15.47			
100	QPSK	135	0	15.62	15.59	15.59	17.0	0.0	
100	QPSK	135	69	15.50	15.66	15.37	17.0	0.0	
100	QPSK	135	138	15.49	15.41	15.36	17.0	0.0	
100	QPSK	270	0	15.33	15.41	15.31			
100	16QAM	1	1	15.46	15.28	15.21	17.0	0.0	
100	64QAM	1	1	15.57	15.63	15.51	17.0	0.0	
100	256QAM	1	1	15.47	15.26	15.70	17.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.51	15.59	15.45	17.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.47	15.62	15.45	17.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	15.54	15.68	15.51	17.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.48	15.57	15.52	17.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	15.51	15.67	15.42	17.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.47	15.56	15.49	17.0	0.0	

PC2&3 Part27Q n77 Ant3 DSi2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334	633334	17.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	15.45			17.0	0.0	
100	PI/2 BPSK	1	137	15.49					
100	PI/2 BPSK	1	271	15.39					
100	PI/2 BPSK	135	0	15.55					
100	PI/2 BPSK	135	69	15.46			17.0	0.0	
100	PI/2 BPSK	135	138	15.50			17.0	0.0	
100	PI/2 BPSK	270	0	15.25					
100	QPSK	1	1	15.62			17.0	0.0	
100	QPSK	1	137	15.40					
100	QPSK	1	271	15.22					
100	QPSK	135	0	15.48			17.0	0.0	
100	QPSK	135	69	15.52			17.0	0.0	
100	QPSK	135	138	15.34			17.0	0.0	
100	QPSK	270	0	15.30					
100	16QAM	1	1	15.16			17.0	0.0	
100	64QAM	1	1	15.57			17.0	0.0	
100	256QAM	1	1	15.21			17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	15.30	15.45	15.39	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	15.45	15.51	15.34	17.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	15.47	15.49	15.38	17.0	0.0	
Channel				631334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	15.42	15.45	15.32	17.0	0.0	
Channel				631000	633334	636668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39	15.36	15.51	15.35	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	15.42	15.54	15.31	17.0	0.0	

Part270 n78 PC2&3 Ant3 DS12 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		15.41		17.0	0.0	
100	PI/2 BPSK	1	137		15.47				
100	PI/2 BPSK	1	271		15.36				
100	PI/2 BPSK	135	0		15.46		17.0	0.0	
100	PI/2 BPSK	135	69		15.54		17.0	0.0	
100	PI/2 BPSK	135	138		15.45		17.0	0.0	
100	PI/2 BPSK	270	0		15.19				
100	QPSK	1	1		15.68		17.0	0.0	
100	QPSK	1	137		15.40				
100	QPSK	1	271		15.26				
100	QPSK	135	0		15.50		17.0	0.0	
100	QPSK	135	69		15.62		17.0	0.0	
100	QPSK	135	138		15.30		17.0	0.0	
100	QPSK	270	0		15.32				
100	16QAM	1	1		15.23		17.0	0.0	
100	64QAM	1	1		15.57		17.0	0.0	
100	256QAM	1	1		15.19		17.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	17.0	0.0	
80	QPSK	1	1	15.58	15.62	15.42	17.0	0.0	
Channel				646698	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	17.0	0.0	
60	QPSK	1	1	15.47	15.58	15.44	17.0	0.0	
Channel				646334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	17.0	0.0	
50	QPSK	1	1	15.55	15.59	15.51	17.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	17.0	0.0	
40	QPSK	1	1	15.48	15.66	15.45	17.0	0.0	
Channel				647698	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	17.0	0.0	
30	QPSK	1	1	15.55	15.63	15.49	17.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	17.0	0.0	
20	QPSK	1	1	15.47	15.57	15.43	17.0	0.0	

PC2&3 Part27Q n78 Ant3 DS12 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	3500.01				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		15.32		17.0	0.0	
100	PI/2 BPSK	1	137		15.34				
100	PI/2 BPSK	1	271		15.24				
100	PI/2 BPSK	135	0		15.36		17.0	0.0	
100	PI/2 BPSK	135	69		15.44		17.0	0.0	
100	PI/2 BPSK	135	138		15.38		17.0	0.0	
100	PI/2 BPSK	270	0		15.12				
100	QPSK	1	1		15.62		17.0	0.0	
100	QPSK	1	137		15.26				
100	QPSK	1	271		15.16				
100	QPSK	135	0		15.37		17.0	0.0	
100	QPSK	135	69		15.48		17.0	0.0	
100	QPSK	135	138		15.22		17.0	0.0	
100	QPSK	270	0		15.23				
100	16QAM	1	1		15.11		17.0	0.0	
100	64QAM	1	1		15.43		17.0	0.0	
100	256QAM	1	1		15.08		17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	17.0	0.0	
80	QPSK	1	109	15.43	15.48	15.27	17.0	MPR (dB)	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	15.48	15.48	15.33			
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	17.0	0.0	
50	QPSK	1	67	15.52	15.55	15.31	17.0	MPR (dB)	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	15.47	15.56	15.30			
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	17.0	0.0	
30	QPSK	1	39	15.46	15.46	15.36	17.0	MPR (dB)	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	15.47	15.57	15.33			

PC2&3 Part270 n77 Ant5 DSi2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	24.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	23.41	23.58	22.88	24.0	0.0	
100	PI/2 BPSK	1	137	22.80	23.36	23.25			
100	PI/2 BPSK	1	271	23.27	23.55	23.35			
100	PI/2 BPSK	135	0	23.03	23.21	23.25			
100	PI/2 BPSK	135	69	23.25	23.07	23.40	24.0	0.0	
100	PI/2 BPSK	135	138	23.20	23.35	23.37	24.0	0.0	
100	PI/2 BPSK	270	0	23.05	23.13	22.59	24.0	0.0	
100	QPSK	1	1	23.55	23.61	23.55	24.0	0.0	
100	QPSK	1	137	23.09	23.44	23.40			
100	QPSK	1	271	22.76	23.01	22.89			
100	QPSK	135	0	23.11	23.16	23.16			
100	QPSK	135	69	23.07	23.25	23.17	24.0	0.0	
100	QPSK	135	138	23.00	23.20	23.09	24.0	0.0	
100	QPSK	270	0	23.03	23.24	22.68	24.0	0.0	
100	16QAM	1	1	23.19	23.07	23.00	24.0	0.0	
100	64QAM	1	1	23.12	22.84	22.96	24.0	0.0	
100	256QAM	1	1	21.26	21.31	21.22	22.5	1.5	
Channel				643334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	24.0	0.0	
80	QPSK	1	1	23.50	23.51	23.43	24.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	24.0	0.0	
60	QPSK	1	1	23.49	23.40	23.47	24.0	0.0	
Channel				643334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	24.0	0.0	
50	QPSK	1	1	23.40	23.40	23.41	24.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	24.0	0.0	
40	QPSK	1	1	23.46	23.55	23.40	24.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	24.0	0.0	
30	QPSK	1	1	23.50	23.46	23.47	24.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	24.0	0.0	
20	QPSK	1	1	23.51	23.50	23.41	24.0	0.0	

PC2&3 Part27Q n77 Ant5 DSi2 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334		24.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	23.49			24.0	0.0	
100	PI/2 BPSK	1	137	23.21					
100	PI/2 BPSK	1	271	23.47					
100	PI/2 BPSK	135	0	23.11					
100	PI/2 BPSK	135	69	23.01			24.0	0.0	
100	PI/2 BPSK	135	138	23.20			24.0	0.0	
100	PI/2 BPSK	270	0	23.05			24.0	0.0	
100	QPSK	1	1	23.52			24.0	0.0	
100	QPSK	1	137	23.36					
100	QPSK	1	271	22.93					
100	QPSK	135	0	23.06					
100	QPSK	135	69	23.16			24.0	0.0	
100	QPSK	135	138	23.09			24.0	0.0	
100	QPSK	270	0	23.16			24.0	0.0	
100	16QAM	1	1	23.05			24.0	0.0	
100	64QAM	1	1	22.80			24.0	0.0	
100	256QAM	1	1	21.21			22.5	1.5	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	24.0	0.0	
80	QPSK	1	109	23.42	23.37	23.29	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	24.0	0.0	
60	QPSK	1	81	23.30	23.37	23.32	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	24.0	0.0	
50	QPSK	1	67	23.45	23.39	23.37	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	24.0	0.0	
40	QPSK	1	53	23.30	23.39	23.32	24.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	24.0	0.0	
30	QPSK	1	39	23.30	23.47	23.39	24.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	24.0	0.0	
20	QPSK	1	26	23.43	23.46	23.30	24.0	0.0	

PC2&3 Part270 n78 Ant5 DS12 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	23.45			24.0	0.0	
100	PI/2 BPSK	1	137	23.26					
100	PI/2 BPSK	1	271	23.44					
100	PI/2 BPSK	135	0	23.13					
100	PI/2 BPSK	135	69	23.01			24.0	0.0	
100	PI/2 BPSK	135	138	23.23			24.0	0.0	
100	PI/2 BPSK	270	0	23.00					
100	QPSK	1	1	23.48			24.0	0.0	
100	QPSK	1	137	23.31					
100	QPSK	1	271	22.95					
100	QPSK	135	0	23.11					
100	QPSK	135	69	23.18			23.0	1.0	
100	QPSK	135	138	23.07			23.0	1.0	
100	QPSK	270	0	23.15					
100	16QAM	1	1	22.95			24.0	0.0	
100	64QAM	1	1	22.76			24.0	0.0	
100	256QAM	1	1	21.22			24.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	23.44		23.34	24.0	0.0	
Channel				646668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	23.30		23.33	24.0	0.0	
Channel				646134	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	23.33		23.43	24.0	0.0	
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	23.22		23.25	24.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	23.34		23.23	24.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	23.33		23.38	23.19	24.0	

PC2&3 Part27Q n78 Ant5 DS12 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	23.44			24.0	0.0	
100	PI/2 BPSK	1	137	23.17					
100	PI/2 BPSK	1	271	23.43					
100	PI/2 BPSK	135	0	23.02					
100	PI/2 BPSK	135	69	22.90			24.0	0.0	
100	PI/2 BPSK	135	138	22.99			24.0	0.0	
100	PI/2 BPSK	270	0	22.99					
100	QPSK	1	1	23.52			24.0	0.0	
100	QPSK	1	137	23.36					
100	QPSK	1	271	22.74					
100	QPSK	135	0	23.05					
100	QPSK	135	69	22.95			24.0	0.0	
100	QPSK	135	138	22.92			24.0	0.0	
100	QPSK	270	0	23.05					
100	16QAM	1	1	22.90			24.0	0.0	
100	64QAM	1	1	22.61			24.0	0.0	
100	256QAM	1	1	21.15			24.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	23.34		23.40	23.25	24.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	23.31		23.38	23.23	24.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	23.35		23.31	23.22	24.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	23.37		23.38	23.21	24.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39	23.33		23.40	23.20	24.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	23.42		23.41	23.19	24.0	

n5 Ant0 DS4 DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	24.87	24.95	24.88	25.5	0.0	
20	PI/2 BPSK	1	53	24.79	24.91	24.89			
20	PI/2 BPSK	1	104	24.74	24.72	24.64			
20	PI/2 BPSK	50	0	24.41	24.32	24.29	25.0	0.5	
20	PI/2 BPSK	50	28	24.91	24.86	24.75	25.5	0.0	
20	PI/2 BPSK	50	56	24.32	24.28	24.16	25.0	0.5	
20	PI/2 BPSK	100	0	24.36	24.40	24.33			
20	QPSK	1	1	24.86	24.97	24.91	25.5	0.0	
20	QPSK	1	53	24.92	24.87	24.83			
20	QPSK	1	104	24.59	24.66	24.66			
20	QPSK	50	0	23.94	23.91	23.83	24.5	1.0	
20	QPSK	50	28	24.88	24.94	24.87	25.5	0.0	
20	QPSK	50	56	23.83	23.85	23.84	24.5	1.0	
20	QPSK	100	0	23.82	23.86	23.80			
20	16QAM	1	1	23.84	23.89	23.80	24.5	1.0	
20	64QAM	1	1	22.50	22.62	22.67	23.0	2.5	
20	256QAM	1	1	20.25	20.24	20.19	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	24.84	24.88	24.86	25.5	0.0	
Channel				165800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	24.75	24.90	24.71	25.5	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	24.71	24.93	24.81	25.5	0.0	

n7 Ant0 DS14 DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	18.73	18.74	18.60	19.5	0.0	
20	PI/2 BPSK	1	53	18.66	18.57	18.54			
20	PI/2 BPSK	1	104	18.72	18.65	18.62			
20	PI/2 BPSK	50	0	18.56	18.86	18.65	19.5	0.0	
20	PI/2 BPSK	50	28	18.70	18.80	18.66	19.5	0.0	
20	PI/2 BPSK	50	56	18.52	18.53	18.55	19.5	0.0	
20	PI/2 BPSK	100	0	18.61	18.76	18.56			
20	QPSK	1	1	18.72	18.83	18.80	19.5	0.0	
20	QPSK	1	53	18.65	18.60	18.64			
20	QPSK	1	104	18.60	18.59	18.52			
20	QPSK	50	0	18.57	18.57	18.56	19.5	0.0	
20	QPSK	50	28	18.46	18.59	18.38	19.5	0.0	
20	QPSK	50	56	18.49	18.51	18.52	19.5	0.0	
20	QPSK	100	0	18.54	18.74	18.53			
20	16QAM	1	1	18.71	18.63	18.59	19.5	0.0	
20	64QAM	1	1	18.61	18.70	18.62	19.5	0.0	
20	256QAM	1	1	18.70	18.89	18.73	19.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.53	18.63	18.75	19.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	18.62	18.67	18.76	19.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.71	18.65	18.63	19.5	0.0	

n38 Ant0 DS14 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	19.5	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	18.34	18.37	18.22			
40	PI/2 BPSK	1	53	18.36	18.42	18.43			
40	PI/2 BPSK	1	104	18.33	18.24	18.31	19.5	0.0	
40	PI/2 BPSK	50	0	18.30	18.47	18.51		0.0	
40	PI/2 BPSK	50	28	18.30	18.45	18.28		0.0	
40	PI/2 BPSK	50	56	18.23	18.53	18.32		0.0	
40	PI/2 BPSK	100	0	18.26	18.45	18.37	19.5	0.0	
40	QPSK	1	1	18.30	18.55	18.50			
40	QPSK	1	53	18.12	18.29	18.38			
40	QPSK	1	104	18.37	18.37	18.27			
40	QPSK	50	0	18.50	18.53	18.31	19.5	0.0	
40	QPSK	50	28	18.19	18.18	18.28	19.5	0.0	
40	QPSK	50	56	18.47	18.43	18.49	19.5	0.0	
40	QPSK	100	0	18.40	18.51	18.46	19.5	0.0	
40	16QAM	1	1	18.17	18.37	18.36			
40	64QAM	1	1	18.37	18.37	18.35			
40	256QAM	1	1	18.27	18.47	18.39			
Channel				517092	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	19.5	0.0	
30	QPSK	1	1	18.15	18.48	18.41	19.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	19.5	0.0	
20	QPSK	1	1	18.23	18.47	18.56	19.5	0.0	

n41 PC2&3 Ant0 DSI4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	18.52	18.59	18.40	19.5	0.0	
100	PI/2 BPSK	1	137	18.53	18.43	18.64			
100	PI/2 BPSK	1	271	18.59	18.48	18.42			
100	PI/2 BPSK	135	0	18.34	18.44	18.52			
100	PI/2 BPSK	135	69	18.46	18.56	18.28	19.5	0.0	
100	PI/2 BPSK	135	138	18.25	18.32	18.35	19.5	0.0	
100	PI/2 BPSK	270	0	18.48	18.19	18.33			
100	QPSK	1	1	18.61	18.65	18.50			
100	QPSK	1	137	18.07	17.94	18.15			
100	QPSK	1	271	18.50	18.44	18.42	0.0		
100	QPSK	135	0	18.33	18.42	18.38	19.5		
100	QPSK	135	69	18.42	18.53	18.45	19.5	0.0	
100	QPSK	135	138	18.36	18.43	18.27	19.5	0.0	
100	QPSK	270	0	18.21	18.36	18.16			
100	16QAM	1	1	18.33	18.11	18.21			
100	64QAM	1	1	18.36	18.33	18.40			
100	256QAM	1	1	18.31	18.22	18.41	19.5	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	18.39	18.47	18.48	19.5	0.0	
Channel				505200	518598	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	18.49	18.46	18.37	19.5	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	18.49	18.50	18.34	19.5	0.0	
Channel				502200	518598	534998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	18.42	18.58	18.34	19.5	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	18.50	18.47	18.43	19.5	0.0	

n5 Ant4 DS4 DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	25.15	25.14	25.06	25.5	0.0	
20	PI/2 BPSK	1	53	25.06	25.11	25.02			
20	PI/2 BPSK	1	104	24.90	24.95	24.86			
20	PI/2 BPSK	50	0	24.60	24.65	24.68			
20	PI/2 BPSK	50	28	25.09	25.05	25.05	25.5	0.0	
20	PI/2 BPSK	50	56	24.66	24.58	24.56	25.0	0.5	
20	PI/2 BPSK	100	0	24.59	24.55	24.64			
20	QPSK	1	1	24.96	25.17	25.09			
20	QPSK	1	53	25.14	25.15	25.10			
20	QPSK	1	104	24.46	24.44	24.33	25.5	0.0	
20	QPSK	50	0	24.07	24.10	24.04			
20	QPSK	50	28	24.90	25.07	25.01			
20	QPSK	50	56	24.07	24.09	23.99			
20	QPSK	50	84	23.96	24.09	23.89	24.5	1.0	
20	QPSK	100	0	23.98	24.09	23.89			
20	16QAM	1	1	24.17	24.07	24.06			
20	64QAM	1	1	22.43	22.34	22.33			
20	256QAM	1	1	20.12	20.19	20.22	21.0	4.5	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	24.81	25.01	24.92	25.5	0.0	
Channel				165800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	24.88	25.05	25.07	25.5	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	24.91	25.10	25.00	25.5	0.0	

n7 Ant4 DS4 DFT-15									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	19.41	19.42	19.39	21.0	0.0	
20	PI/2 BPSK	1	53	19.43	19.55	19.62			
20	PI/2 BPSK	1	104	19.36	19.57	19.36			
20	PI/2 BPSK	50	0	19.11	18.97	18.96	21.0	0.0	
20	PI/2 BPSK	50	28	19.59	19.37	19.54	21.0	0.0	
20	PI/2 BPSK	50	56	18.86	19.09	18.89	21.0	0.0	
20	PI/2 BPSK	100	0	19.03	18.89	19.10			
20	QPSK	1	1	19.30	19.64	19.48			
20	QPSK	1	53	19.42	19.63	19.37	21.0	0.0	
20	QPSK	1	104	19.54	19.49	19.36			
20	QPSK	50	0	19.35	19.48	19.25			
20	QPSK	50	28	19.29	19.49	19.34	21.0	0.0	
20	QPSK	50	56	19.28	19.33	19.36	21.0	0.0	
20	QPSK	100	0	19.24	19.37	19.28			
20	16QAM	1	1	19.60	19.59	19.22			
20	64QAM	1	1	19.45	19.39	19.38	21.0	0.0	
20	256QAM	1	1	18.51	18.42	18.20	20.0	1.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.23	19.47	19.34	21.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	19.13	19.62	19.32	21.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	19.16	19.59	19.48	21.0	0.0	

n38 Ant4 DS14 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996	21.0	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	19.05	19.11	19.08			
40	PI/2 BPSK	1	53	19.22	19.28	19.09			
40	PI/2 BPSK	1	104	19.09	19.04	19.10	21.0	0.0	
40	PI/2 BPSK	50	0	19.00	19.08	18.96		0.0	
40	PI/2 BPSK	50	28	19.07	19.22	18.97		0.0	
40	PI/2 BPSK	50	56	18.94	19.11	18.88		0.0	
40	PI/2 BPSK	100	0	19.03	18.72	18.85	21.0	0.0	
40	QPSK	1	1	19.24	19.34	19.04			
40	QPSK	1	53	19.25	19.13	18.88			
40	QPSK	1	104	19.05	19.05	19.05			
40	QPSK	50	0	18.92	19.00	19.03	21.0	0.0	
40	QPSK	50	28	18.97	19.11	19.04	21.0	0.0	
40	QPSK	50	56	18.88	18.76	19.09	21.0	0.0	
40	QPSK	100	0	18.84	19.23	19.18			
40	16QAM	1	1	19.09	19.11	18.92	21.0	0.0	
40	64QAM	1	1	19.11	19.20	19.21	21.0	0.0	
40	256QAM	1	1	19.21	19.16	19.19	21.0	0.0	
Channel				517002	519000	520998	21.0	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	19.07	19.27	18.94	21.0	0.0	
Channel				516000	519000	522000	21.0	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	19.24	19.33	18.77	21.0	0.0	

n41 PC2&3 Ant4 DS14 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	19.45	19.52	19.42	21.0	0.0	
100	PI/2 BPSK	1	137	19.30	19.55	19.46			
100	PI/2 BPSK	1	271	19.45	19.55	19.29			
100	PI/2 BPSK	135	0	19.42	19.49	19.28			
100	PI/2 BPSK	135	69	19.49	19.57	19.29	21.0	0.0	
100	PI/2 BPSK	135	138	19.35	19.46	19.27	21.0	0.0	
100	PI/2 BPSK	270	0	19.36	19.45	19.33			
100	QPSK	1	1	19.50	19.64	19.48			
100	QPSK	1	137	19.44	19.51	19.33	21.0	0.0	
100	QPSK	1	271	19.51	19.45	19.28			
100	QPSK	135	0	19.32	19.60	19.26			
100	QPSK	135	69	19.30	19.62	19.35	21.0	0.0	
100	QPSK	135	138	19.45	19.49	19.44	21.0	0.0	
100	QPSK	270	0	19.46	19.51	19.28			
100	16QAM	1	1	19.36	19.58	19.43	21.0	0.0	
100	64QAM	1	1	19.48	19.46	19.29	21.0	0.0	
100	256QAM	1	1	19.37	19.54	19.31	21.0	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	19.34	19.54	19.46	21.0	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	19.41	19.46	19.37	21.0	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	19.28	19.49	19.44	21.0	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	19.44	19.48	19.40	21.0	0.0	
Channel				501204	518598	536998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	19.51	19.47	19.48	21.0	0.0	

PC2&3 Part270 n77 Ant3 DS14 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.62	15.56	15.52	17.0	0.0	
100	PI/2 BPSK	1	137	15.67	15.54	15.55			
100	PI/2 BPSK	1	271	15.63	15.47	15.52			
100	PI/2 BPSK	135	0	15.65	15.60	15.63	17.0	0.0	
100	PI/2 BPSK	135	69	15.48	15.62	15.44	17.0	0.0	
100	PI/2 BPSK	135	138	15.61	15.60	15.60	17.0	0.0	
100	PI/2 BPSK	270	0	15.43	15.31	15.30			
100	QPSK	1	1	15.62	15.72	15.58			
100	QPSK	1	137	15.61	15.46	15.70	17.0	0.0	
100	QPSK	1	271	15.43	15.35	15.47			
100	QPSK	135	0	15.62	15.59	15.59			
100	QPSK	135	69	15.50	15.66	15.37	17.0	0.0	
100	QPSK	135	138	15.49	15.41	15.36	17.0	0.0	
100	QPSK	270	0	15.33	15.41	15.31			
100	16QAM	1	1	15.46	15.28	15.21			
100	64QAM	1	1	15.57	15.63	15.51	17.0	0.0	
100	256QAM	1	1	15.47	15.26	15.70	17.0	0.0	
Channel				640334	650000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.51	15.50	15.45	17.0	0.0	
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.47	15.62	15.45	17.0	0.0	
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	15.54	15.68	15.51	17.0	0.0	
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.48	15.57	15.52	17.0	0.0	
Channel				647668	650000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	15.51	15.67	15.42	17.0	0.0	
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.47	15.56	15.49	17.0	0.0	

PC2&3 Part27Q n77 Ant3 DS14 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334	633334		17.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	15.45					
100	PI/2 BPSK	1	137	15.49					
100	PI/2 BPSK	1	271	15.39			17.0	0.0	
100	PI/2 BPSK	135	0	15.55					
100	PI/2 BPSK	135	69	15.46					
100	PI/2 BPSK	135	138	15.50					
100	PI/2 BPSK	270	0	15.25			17.0	0.0	
100	QPSK	1	1	15.62					
100	QPSK	1	137	15.40					
100	QPSK	1	271	15.22					
100	QPSK	135	0	15.48			17.0	0.0	
100	QPSK	135	69	15.52					
100	QPSK	135	138	15.34			17.0	0.0	
100	QPSK	270	0	15.30					
100	16QAM	1	1	15.16			17.0	0.0	
100	64QAM	1	1	15.57			17.0	0.0	
100	256QAM	1	1	15.21			17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	17.0	0.0	
80	QPSK	1	109	15.36	15.45	15.39	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	17.0	0.0	
60	QPSK	1	81	15.45	15.51	15.34	17.0	0.0	
Channel				631668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	17.0	0.0	
50	QPSK	1	67	15.47	15.49	15.38	17.0	0.0	
Channel				631334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	17.0	0.0	
40	QPSK	1	53	15.42	15.45	15.32	17.0	0.0	
Channel				631000	633334	636668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	17.0	0.0	
30	QPSK	1	39	15.36	15.51	15.35	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	17.0	0.0	
20	QPSK	1	26	15.42	15.54	15.31	17.0	0.0	

Part270 n78 PC2&3 Ant3 DS14 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		15.41		17.0	0.0	
100	PI/2 BPSK	1	137		15.47				
100	PI/2 BPSK	1	271		15.36				
100	PI/2 BPSK	135	0		15.46		17.0	0.0	
100	PI/2 BPSK	135	69		15.54		17.0	0.0	
100	PI/2 BPSK	135	138		15.45		17.0	0.0	
100	PI/2 BPSK	270	0		15.19				
100	QPSK	1	1		15.68		17.0	0.0	
100	QPSK	1	137		15.40				
100	QPSK	1	271		15.26				
100	QPSK	135	0		15.50		17.0	0.0	
100	QPSK	135	69		15.62		17.0	0.0	
100	QPSK	135	138		15.30		17.0	0.0	
100	QPSK	270	0		15.32				
100	16QAM	1	1		15.23		17.0	0.0	
100	64QAM	1	1		15.57		17.0	0.0	
100	256QAM	1	1		15.19		17.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	15.58	15.62	15.42	17.0	0.0	
Channel				646698	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	15.47	15.58	15.44	17.0	0.0	
Channel				646334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	15.55	15.59	15.51	17.0	0.0	
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	15.48	15.66	15.45	17.0	0.0	
Channel				647698	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	15.55	15.63	15.49	17.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	15.47	15.57	15.43	17.0	0.0	

PC2&3 Part27Q n78 Ant3 DS14 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334			17.0	0.0	
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		15.32				
100	PI/2 BPSK	1	137		15.34				
100	PI/2 BPSK	1	271		15.24		17.0	0.0	
100	PI/2 BPSK	135	0		15.36				
100	PI/2 BPSK	135	69		15.44				
100	PI/2 BPSK	135	138		15.38				
100	PI/2 BPSK	270	0		15.12		17.0	0.0	
100	QPSK	1	1		15.62				
100	QPSK	1	137		15.26		17.0	0.0	
100	QPSK	1	271		15.16				
100	QPSK	135	0		15.37				
100	QPSK	135	69		15.48				
100	QPSK	135	138		15.22		17.0	0.0	
100	QPSK	270	0		15.23				
100	16QAM	1	1		15.11		17.0	0.0	
100	64QAM	1	1		15.43		17.0	0.0	
100	256QAM	1	1		15.08		17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510		0.0	
80	QPSK	1	109	15.43	15.48	15.27	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02		0.0	
60	QPSK	1	81	15.48	15.48	15.33	17.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525		0.0	
50	QPSK	1	67	15.52	15.55	15.31	17.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01		0.0	
40	QPSK	1	53	15.47	15.56	15.30	17.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02		0.0	
30	QPSK	1	39	15.46	15.46	15.36	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540		0.0	
20	QPSK	1	26	15.47	15.57	15.33	17.0	0.0	

PC2&3 Part27O n77 Ant5 DSi4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	16.50	16.58	16.40	17.0		
100	PI/2 BPSK	1	137	16.40	16.37	16.56			
100	PI/2 BPSK	1	271	16.51	16.59	16.50			
100	PI/2 BPSK	135	0	16.41	16.40	16.62		0.0	
100	PI/2 BPSK	135	69	16.42	16.57	16.59	17.0		
100	PI/2 BPSK	135	138	16.47	16.50	16.43	17.0		
100	PI/2 BPSK	270	0	16.27	16.32	16.21			
100	QPSK	1	1	16.62	16.71	16.49			
100	QPSK	1	137	16.50	16.44	16.47			
100	QPSK	1	271	16.24	16.33	16.23	17.0		
100	QPSK	135	0	16.54	16.51	16.53		0.0	
100	QPSK	135	69	16.39	16.61	16.50			
100	QPSK	135	138	16.23	16.36	16.46			
100	QPSK	270	0	16.34	16.40	16.32	17.0		
100	16QAM	1	1	16.34	16.27	16.20			
100	64QAM	1	1	16.34	16.49	16.54			
100	256QAM	1	1	16.28	16.25	16.50			
Channel				663334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	16.47	16.65	16.33	17.0		
Channel				668668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	16.48	16.50	16.33	17.0		
Channel				663334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.01	3840	3955.02			
50	QPSK	1	1	16.50	16.50	16.44	17.0		
Channel				668000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	16.47	16.55	16.34	17.0		
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	16.53	16.64	16.30	17.0		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	16.48	16.66	16.36	17.0		

PC2&3 Part27Q n77 Ant5 DSi4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				632000	633334	634000			
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI/2 BPSK	1	1	16.47	16.47	16.47	17.0		
100	PI/2 BPSK	1	137	16.32	16.32	16.32			
100	PI/2 BPSK	1	271	16.47	16.47	16.47			
100	PI/2 BPSK	135	0	16.32	16.32	16.32		0.0	
100	PI/2 BPSK	135	69	16.44	16.44	16.44	17.0		
100	PI/2 BPSK	135	138	16.41	16.41	16.41			
100	PI/2 BPSK	270	0	16.25	16.25	16.25			
100	QPSK	1	1	16.59	16.59	16.59			
100	QPSK	1	137	16.29	16.29	16.29	17.0		
100	QPSK	1	271	16.21	16.21	16.21			
100	QPSK	135	0	16.42	16.42	16.42		0.0	
100	QPSK	135	69	16.53	16.53	16.53			
100	QPSK	135	138	16.25	16.25	16.25	17.0		
100	QPSK	270	0	16.31	16.31	16.31			
100	16QAM	1	1	16.15	16.15	16.15			
100	64QAM	1	1	16.44	16.44	16.44			
100	256QAM	1	1	16.16	16.16	16.16	17.0		
Channel				632668	633334	634000		Tune-up limit (dBm)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	16.33	16.55	16.21	17.0		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	16.42	16.52	16.25	17.0		
Channel				631668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	16.30	16.52	16.17	17.0		
Channel				631334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	16.30	16.59	16.29	17.0		
Channel				631000	633334	636668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39	16.30	16.52	16.21	17.0		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	16.41	16.55	16.29	17.0		

PC2&3 Part270 n78 Ant5 DSi4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000					
Frequency (MHz)				3750					
100	PI/2 BPSK	1	1	16.52			17.0	0.0	
100	PI/2 BPSK	1	137	16.27					
100	PI/2 BPSK	1	271	16.55					
100	PI/2 BPSK	135	0	16.33					
100	PI/2 BPSK	135	69	16.46			17.0	0.0	
100	PI/2 BPSK	135	138	16.42			17.0	0.0	
100	PI/2 BPSK	270	0	16.16					
100	QPSK	1	1	16.58			17.0	0.0	
100	QPSK	1	137	16.36					
100	QPSK	1	271	16.27					
100	QPSK	135	0	16.41			16.0	1.0	
100	QPSK	135	69	16.50			17.0	0.0	
100	QPSK	135	138	16.23			16.0	1.0	
100	QPSK	270	0	16.27					
100	16QAM	1	1	16.18			17.0	0.0	
100	64QAM	1	1	16.42			17.0	0.0	
100	256QAM	1	1	16.10			17.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	16.40	16.51	16.30	17.0	0.0	
Channel				646668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	16.33	16.47	16.22	17.0	0.0	
Channel				646334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	16.20	16.41	16.16	17.0	0.0	
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	16.36	16.30	16.25	17.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	16.34	16.43	16.23	17.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	16.33	16.38	16.19	17.0	0.0	

PC2&3 Part27Q n78 Ant5 DSi4 DFT-30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1	16.39			17.0	0.0	
100	PI/2 BPSK	1	137	16.21					
100	PI/2 BPSK	1	271	16.31					
100	PI/2 BPSK	135	0	16.20					
100	PI/2 BPSK	135	69	16.40			17.0	0.0	
100	PI/2 BPSK	135	138	16.35			17.0	0.0	
100	PI/2 BPSK	270	0	16.01					
100	QPSK	1	1	16.44			17.0	0.0	
100	QPSK	1	137	16.29					
100	QPSK	1	271	16.23					
100	QPSK	135	0	16.36			17.0	0.0	
100	QPSK	135	69	16.41			17.0	0.0	
100	QPSK	135	138	16.17			17.0	0.0	
100	QPSK	270	0	16.14					
100	16QAM	1	1	16.09			17.0	0.0	
100	64QAM	1	1	16.27			17.0	0.0	
100	256QAM	1	1	16.05			17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	109	16.31	16.40	16.25	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	16.31	16.38	16.23	17.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	16.35	16.41	16.22	17.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	16.37	16.38	16.21	17.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39	16.30	16.40	16.20	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	26	16.42	16.41	16.19	17.0	0.0	

WLAN/Bluetooth Power

2.4GHz WLAN			Ant 6 Receiver off			Ant 6 Receiver On		
	Mode	Channel	Frequency (MHz)	Average power (dbm)	Tune-Up Limit	Average power (dbm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.25	20.00	12.42	14.00	99.30
		6	2437	19.09	20.50	12.73	14.00	
		11	2462	18.69	20.50	12.68	14.00	
	802.11g 6Mbps	1	2412	17.23	19.00	12.50	14.00	98.30
		6	2437	17.63	19.00		14.00	
		11	2462	18.73	19.00		14.00	
	802.11n-HT20 MCS0	1	2412	17.19	18.00		14.00	98.20
		6	2437	17.40	18.00		14.00	
		11	2462	17.66	18.00		14.00	
	802.11n-HT40 MCS0	3	2422	12.02	14.00		14.00	95.10
		6	2437	15.36	16.00		14.00	
		9	2452	14.45	16.00		14.00	

5.2GHz WLAN			Ant 6 Receiver off			Ant 6 Receiver On		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.64	18.50		12.50	97.60
		40	5200	17.64	18.50		12.50	
		44	5220	17.72	18.50		12.50	
		48	5240	18.11	18.50		12.50	
	802.11nHT20 MCS0	36	5180	16.53	18.00		12.50	97.20
		40	5200	16.47	18.00		12.50	
		44	5220	16.60	18.00		12.50	
		48	5240	16.79	18.00		12.50	
	802.11nHT40 MCS0	38	5190	15.73	17.00		12.50	94.90
		46	5230	15.93	17.00		12.50	
	802.11ac VHT20 MCS0	36	5180	16.93	18.00		12.50	97.40
		40	5200	16.93	18.00		12.50	
		44	5220	17.05	18.00		12.50	
		48	5240	17.17	18.00		12.50	
	802.11ac VHT40 MCS0	38	5190	15.73	17.00		12.50	95.10
		46	5230	15.88	17.00		12.50	
	802.11ac VHT80 MCS0	42	5210	14.77	16.00	11.26	12.50	90.10

5.3GHz WLAN			Ant 6 Receiver off		Ant 6 Receiver On			
	Mode	Channel	Frequency (MHz)	Average power (dbm)	Tune-Up Limit	Average power (dbm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.06	18.50		12.50	97.60
		56	5280	18.14	18.50		12.50	
		60	5300	18.16	18.50		12.50	
		64	5320	18.21	18.50		12.50	
	802.11n-HT20 MCS0	52	5260	16.94	18.00		12.50	97.20
		56	5280	16.98	18.00		12.50	
		60	5300	17.17	18.00		12.50	
		64	5320	17.20	18.00		12.50	
	802.11n-HT40 MCS0	54	5270	16.16	17.50		12.50	94.90
		62	5310	16.43	17.50		12.50	
	802.11ac VHT20 MCS0	52	5260	16.93	18.00		12.50	97.40
		56	5280	17.05	18.00		12.50	
		60	5300	17.17	18.00		12.50	
		64	5320	17.15	18.00		12.50	
	802.11ac VHT40 MCS0	54	5270	16.24	17.50		12.50	95.10
		62	5310	16.43	17.50		12.50	
		802.11ac VHT80 MCS0	58	5290	14.71	16.00	11.35	12.50

5.5GHz WLAN			Ant 6 Receiver off			Ant 6 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	17.79	18.50		12.00	97.60
		116	5580	18.07	18.50		12.00	
		124	5620	18.15	18.50		12.00	
		132	5660	17.99	18.50		12.00	
		140	5700	17.84	18.50		12.00	
		144	5720	15.01	17.00		12.00	
	802.11n-HT20 MCS0	100	5500	16.70	18.00		12.00	97.20
		116	5580	17.03	18.00		12.00	
		124	5620	17.08	18.00		12.00	
		132	5660	16.97	18.00		12.00	
140		5700	16.74	18.00		12.00		
144		5720	13.81	15.50		12.00		
5.5GHz WLAN	802.11n-HT40 MCS0	102	5510	15.94	17.00		12.00	94.90
		110	5550	16.13	17.00		12.00	
		126	5630	16.35	17.00		12.00	
		134	5670	16.14	17.00		12.00	
		142	5710	13.79	15.50		12.00	
		150	5690	16.62	17.00		12.00	
	802.11ac VHT20 MCS0	116	5580	16.94	17.00		12.00	97.40
		124	5620	17.16	18.00		12.00	
		132	5660	17.11	18.00		12.00	
		140	5700	16.75	17.00		12.00	
144		5720	13.80	15.50		12.00		
102		5510	15.96	17.00		12.00		
802.11ac VHT40 MCS0	110	5550	16.09	17.00		12.00	95.10	
	126	5630	16.34	17.00		12.00		
	134	5670	16.08	17.00		12.00		
	142	5710	13.81	15.50		12.00		
	106	5530	14.74	16.00	10.78	12.00		90.10
	122	5610	15.02	15.50	11.08	12.00		
802.11ac VHT80 MCS0	138	5690	13.13	15.00	10.98	12.00		

5.8GHz WLAN			Ant 6 Receiver off			Ant 6 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	148	5745	16.51	18.00		11.50	97.60
		157	5785	16.40	18.00		11.50	
		165	5825	16.33	18.00		11.50	
	802.11n-HT20 MCS0	148	5745	15.47	17.00		11.50	97.20
		157	5785	15.31	17.00		11.50	
		165	5825	15.41	17.00		11.50	
	802.11n-HT40 MCS0	151	5755	14.54	16.50		11.50	94.90
		159	5795	14.40	16.00		11.50	
		148	5745	15.41	17.00		11.50	
	802.11ac-VHT20 MCS0	157	5785	15.32	17.00		11.50	97.40
		165	5825	15.41	17.00		11.50	
		151	5735	14.58	16.50		11.50	
	802.11ac-VHT40 MCS0	159	5795	14.43	16.00		11.50	95.10
		155	5775	13.43	15.00	10.35	11.50	

BT BR/EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
BR / EDR	CH 00	2402	9.54	8.98	9.72
	CH 39	2441	9.61	9.12	9.74
	CH 78	2480	9.52	8.95	9.33
	Tune-up Limit	11	11	11	11

BT LE v4.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	5.74
	CH 19	2440	5.88
	CH 39	2480	5.68
Tune-up Limit			7.00

BT LE v5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	5.50
	CH 19	2440	5.61
	CH 39	2480	5.42
Tune-up Limit			7.00