

10728	AAC	IEEE 802.11ax (80MHz, MCS9, 90pc dc)	WLAN	8.65	± 9.6 %
10729	AAC	IEEE 802.11ax (80MHz, MCS10, 90pc dc)	WLAN	8.64	± 9.6 %
10730	AAC	IEEE 802.11ax (80MHz, MCS11, 90pc dc)	WLAN	8.67	± 9.6 %
10731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
10732	AAC	IEEE 802.11ax (80MHz, MCS1, 99pc dc)	WLAN	8.46	± 9.6 %
10733	AAC	IEEE 802.11ax (80MHz, MCS2, 99pc dc)	WLAN	8.40	± 9.6 %
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
10735	AAC	IEEE 802.11ax (80MHz, MCS4, 99pc dc)	WLAN	8.33	± 9.6 %
10736	AAC	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAC	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAC	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAC	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAC	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAC	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAC	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAC	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAC	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAC	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAC	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAC	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	± 9.6 %
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAC	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	± 9.6 %
10778	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %

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

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

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

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



Appendix E. Conducted RF Output Power Table

The detailed power tables are shown as follows.



Full Power level/Default Power level/ Pmax Power Level for WWAN

CDMA2000 Air Interface	Best Average Power (dBm)			Turn-up Limit (dBm)	Frame/channel Power (dBm)			Turn-up Limit (dBm)
	ES1.2	ES1.4	ES1.8		ES1.2	ES1.4	ES1.8	
TX Channel	30	30	30	30	30	30	30	30
CDMA 1 Tx (W)	32.89	32.71	32.85	33.50	23.80	23.71	23.85	24.50
QPRS1 Tx (W)	32.82	32.69	32.85	33.50	23.82	23.69	23.85	24.50
QPRS2 Tx (W)	32.76	32.54	32.42	31.50	24.76	24.54	24.42	25.50
QPRS3 Tx (W)	32.10	32.00	32.16	32.00	24.10	24.00	24.16	25.00
QPRS4 Tx (W)	27.58	27.62	27.56	26.00	24.58	24.62	24.56	26.00
EDGE 1 Tx (W)	26.74	26.7	26.76	27.00	17.74	17.7	17.76	18.00
EDGE 2 Tx (W)	25.13	25.1	25.16	27.00	15.73	15.7	15.76	18.00
EDGE 3 Tx (W)	24.37	24.18	24.23	25.00	20.11	19.92	19.97	21.24
EDGE 4 Tx (W)	22.82	22.54	22.75	24.00	19.82	19.54	19.75	21.00

CDMA2000 Air Interface	Best Average Power (dBm)			Turn-up Limit (dBm)	Frame/channel Power (dBm)			Turn-up Limit (dBm)
	ES1.2	ES1.4	ES1.8		ES1.2	ES1.4	ES1.8	
TX Channel	30	30	30	30	30	30	30	30
CDMA 1 Tx (W)	32.82	32.64	32.65	33.50	21.82	21.64	21.65	23.50
QPRS1 Tx (W)	32.19	32.02	32.16	32.50	21.19	21.02	21.16	21.50
QPRS2 Tx (W)	27.04	27.26	27.38	28.50	21.04	21.26	21.38	22.50
QPRS3 Tx (W)	26.18	26.37	26.23	27.50	21.92	22.11	21.97	23.24
QPRS4 Tx (W)	24.68	24.24	24.74	26.00	19.68	19.24	19.74	23.00
EDGE 1 Tx (W)	25.07	25.17	25.19	27.00	16.07	17.17	16.79	18.00
EDGE 2 Tx (W)	24.82	25.17	24.80	26.00	18.82	19.17	18.80	20.00
EDGE 3 Tx (W)	23.50	23.70	23.38	24.50	19.24	19.44	19.32	20.24
EDGE 4 Tx (W)	21.38	22.14	21.77	23.00	19.38	19.14	19.77	20.00

Band	WCDMA R1 Air Interface			Turn-up Limit (dBm)	WCDMA R4 Air Interface			Turn-up Limit (dBm)	WCDMA R5 Air Interface			Turn-up Limit (dBm)
	MS12	MS2	MS3		MS12	MS14	MS18		MS12	MS14	MS18	
TX Channel	30	30	30	30	30	30	30	30	30	30	30	30
Frequency (MHz)	1920.4	1850	1920.4	1920.4	1712.4	1712.4	1712.4	1920.4	1920.4	1920.4	1920.4	1920.4
ISPP Power	23.10	23.11	23.07	24.00	23.10	23.07	23.06	24.00	23.10	23.10	23.21	24.00
ISPP Power	RM12_20dbm	23.18	23.22	23.15	24.00	23.11	23.15	23.07	24.00	23.36	23.40	23.51
ISPP Power	MS12A_Subclass1	22.25	22.25	22.07	23.00	22.12	22.12	21.89	23.00	22.24	22.24	21.89
ISPP Power	MS12A_Subclass2	22.17	22.21	22.03	23.00	22.13	22.00	21.93	23.00	22.22	22.32	22.15
ISPP Power	MS12A_Subclass3	21.88	21.86	21.81	22.00	21.99	21.84	21.49	22.00	21.79	21.78	21.64
ISPP Power	MS12A_Subclass4	21.84	21.72	21.48	22.00	21.49	21.82	21.44	22.00	21.68	21.78	21.51
ISPP Power	DC-HSPA_Subclass1	22.14	22.14	21.84	23.00	22.80	22.82	21.82	23.00	22.21	22.19	21.84
ISPP Power	DC-HSPA_Subclass2	22.10	22.22	21.85	23.00	22.10	22.06	21.71	23.00	22.26	22.34	21.81
ISPP Power	DC-HSPA_Subclass3	21.82	21.82	21.38	22.00	21.54	21.49	21.30	22.00	21.68	21.71	21.41
ISPP Power	DC-HSPA_Subclass4	21.57	21.88	21.49	22.00	21.49	21.88	21.41	22.00	21.69	21.79	21.58
ISPP Power	MS12A_Subclass5	22.18	22.21	22.00	23.00	22.14	22.12	21.93	23.00	22.28	22.32	22.07
ISPP Power	MS12A_Subclass6	20.22	20.15	20.10	21.00	20.13	20.08	19.97	21.00	20.26	20.21	20.10
ISPP Power	MS12A_Subclass7	21.15	21.19	20.98	22.00	21.09	21.09	20.84	22.00	21.16	21.22	21.07
ISPP Power	MS12A_Subclass8	20.18	20.22	20.08	21.00	20.07	20.09	19.99	21.00	20.18	20.32	20.10
ISPP Power	MS12A_Subclass9	22.15	22.23	22.04	23.00	22.10	22.11	21.94	23.00	22.21	22.32	22.18



Table with 11 columns: BW (MHz), Modulation, RB Size, RB Offset, Power (W), Power Ch. / Freq., Power Hgt. Ch. / Freq., Turn-up time (min), MPR (dB), and (dB). Contains multiple sections for Band 2 Ant0, Band 5 Ant0, and Band 7 Ant0.

Table with 11 columns: BW (MHz), Modulation, RB Size, RB Offset, Power (W), Power Ch. / Freq., Power Hgt. Ch. / Freq., Turn-up time (min), MPR (dB), and (dB). Contains multiple sections for Band 2 Ant0, Band 5 Ant0, and Band 7 Ant0.

Table with 11 columns: BW (MHz), Modulation, RB Size, RB Offset, Power (W), Power Ch. / Freq., Power Hgt. Ch. / Freq., Turn-up time (min), MPR (dB), and (dB). Contains multiple sections for Band 2 Ant0, Band 5 Ant0, and Band 7 Ant0.

Table with 11 columns: BW (MHz), Modulation, RB Size, RB Offset, Power (W), Power Ch. / Freq., Power Hgt. Ch. / Freq., Turn-up time (min), MPR (dB), and (dB). Contains multiple sections for Band 2 Ant0, Band 5 Ant0, and Band 7 Ant0.



Band 12 Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.18	23.27	23.21						
10	QPSK	1	25	23.02	23.08	22.99		24	0			
10	QPSK	1	49	22.86	22.95	22.86						
10	QPSK	25	0	22.08	22.14	22.09						
10	QPSK	25	12	22.15	22.21	22.12		23	1			
10	QPSK	25	25	22.01	22.08	21.94						
10	QPSK	50	0	22.08	22.14	22.09						
10	HQAM	1	0	22.15	22.21	22.12						
10	HQAM	1	25	22.08	22.17	22.08		23	1			
10	HQAM	1	49	22.03	22.07	21.94						
10	HQAM	25	0	20.98	21.15	21.05						
10	HQAM	25	12	21.07	21.13	21.05		22	2			
10	HQAM	25	25	21.04	21.04	20.95						
10	HQAM	50	0	21.05	21.11	21.05						
10	HQAM	1	0	21.17	21.14	21.16						
10	HQAM	1	25	21.04	21.11	20.96		22	2			
10	HQAM	1	49	20.99	21.02	20.99						
10	HQAM	25	0	20.00	20.11	19.91						
10	HQAM	25	12	19.87	20.12	20.05						
10	HQAM	25	25	20.01	20.05	19.92		21	3			
10	HQAM	50	0	19.99	20.14	20.02						
10	SSBQAM	1	0	18.12	18.16	18.18						
10	SSBQAM	1	25	17.95	18.08	18.04		19	5			
10	SSBQAM	1	49	18.00	18.08	17.94						
10	SSBQAM	25	0	18.02	18.14	18.04						
10	SSBQAM	25	12	17.99	18.16	18.03		19	5			
10	SSBQAM	25	25	18.00	18.03	18.00						
10	SSBQAM	50	0	18.00	18.03	18.00						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.08	23.15	23.11						
5	QPSK	1	12	22.92	23.02	22.95		24	0			
5	QPSK	1	24	22.86	22.99	22.86						
5	QPSK	12	0	21.93	22.10	21.94						
5	QPSK	12	7	21.03	21.08	21.02		23	1			
5	QPSK	12	13	21.03	21.08	21.02						
5	QPSK	25	0	22.09	22.08	22.06						
5	HQAM	1	0	22.09	22.16	21.98						
5	HQAM	1	12	22.02	22.13	22.01		23	1			
5	HQAM	1	25	22.01	22.05	21.96						
5	HQAM	12	0	20.85	21.01	21.00						
5	HQAM	12	7	21.01	21.08	20.98		22	2			
5	HQAM	12	13	21.01	21.08	20.98						
5	HQAM	25	0	20.93	21.06	21.00						
5	HQAM	1	0	21.04	21.04	21.03						
5	HQAM	1	12	21.06	21.07	21.03		22	2			
5	HQAM	1	24	20.97	20.94	20.95						
5	HQAM	12	0	19.89	20.01	19.88						
5	HQAM	12	7	21.06	21.04	21.05						
5	HQAM	12	13	19.95	19.94	19.91		21	3			
5	HQAM	25	0	19.97	20.07	19.96						
5	SSBQAM	1	0	18.01	18.02	18.01						
5	SSBQAM	1	12	17.80	18.04	17.92		19	5			
5	SSBQAM	1	24	17.88	17.97	17.89						
5	SSBQAM	12	0	17.97	18.07	17.96						
5	SSBQAM	12	7	17.88	18.03	17.93		19	5			
5	SSBQAM	12	13	17.92	17.95	17.96						
5	SSBQAM	25	0	18.02	18.02	18.05						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.97	23.10	22.94						
3	QPSK	1	8	22.97	23.11	22.94		24	0			
3	QPSK	1	14	22.90	23.00	22.96						
3	QPSK	8	0	21.88	21.95	21.87						
3	QPSK	8	4	21.94	21.99	21.90		23	1			
3	QPSK	8	7	21.88	21.94	21.87						
3	HQAM	1	0	22.09	22.10	22.08						
3	HQAM	1	8	21.98	22.14	21.96		23	1			
3	HQAM	1	14	21.94	22.02	21.94						
3	HQAM	8	0	20.94	21.08	20.95						
3	HQAM	8	4	21.03	21.02	21.00		22	2			
3	HQAM	8	7	20.96	20.91	20.92						
3	HQAM	15	0	20.90	21.01	20.97						
3	HQAM	1	0	21.03	21.07	21.07						
3	HQAM	1	8	21.01	20.96	20.87		22	2			
3	HQAM	1	14	20.93	20.90	20.91						
3	HQAM	8	0	19.94	19.99	19.77						
3	HQAM	8	4	19.89	20.02	19.94						
3	HQAM	8	7	19.89	19.99	19.82		21	3			
3	HQAM	15	0	19.94	20.07	19.90						
3	SSBQAM	1	0	18.04	18.04	18.00						
3	SSBQAM	1	8	17.89	17.99	17.82		19	5			
3	SSBQAM	1	14	17.88	17.96	17.86						
3	SSBQAM	8	0	17.87	18.02	17.90						
3	SSBQAM	8	4	17.81	18.09	17.88		19	5			
3	SSBQAM	8	7	17.84	17.90	17.85						
3	SSBQAM	15	0	18.01	18.07	18.07						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.12	22.09	22.08						
1.4	QPSK	1	3	22.09	22.10	22.08						
1.4	QPSK	1	5	22.04	22.04	22.02		24	0			
1.4	QPSK	3	0	22.01	22.07	22.05						
1.4	QPSK	3	1	22.00	22.00	22.04						
1.4	QPSK	3	3	22.01	22.01	22.01						
1.4	QPSK	6	0	21.08	22.06	22.04		23	1			
1.4	HQAM	1	0	22.10	22.16	22.08						
1.4	HQAM	1	3	22.03	22.05	22.02						
1.4	HQAM	1	5	21.11	22.02	21.89						
1.4	HQAM	3	0	21.85	22.02	22.01		23	1			
1.4	HQAM	3	1	21.96	22.04	21.95						
1.4	HQAM	3	3	22.00	22.01	21.84						
1.4	HQAM	6	0	20.95	21.06	20.96		22	2			
1.4	HQAM	1	0	21.09	21.08	21.05						
1.4	HQAM	1	3	20.99	21.05	20.91						
1.4	HQAM	1	5	20.90	20.95	20.85						
1.4	HQAM	3	0	20.89	21.01	20.79		22	2			
1.4	HQAM	3	1	20.85	21.04	21.01						
1.4	HQAM	3	3	20.89	20.97	20.89						
1.4	HQAM	6	0	19.98	20.01	19.91		21	3			
1.4	HQAM	3	0	18.05	18.07	18.11						
1.4	SSBQAM	1	3	17.85	17.99	17.82		19	5			
1.4	SSBQAM	1	5	17.87	17.96	17.86						
1.4	SSBQAM	3	0	17.82	18.10	17.86						
1.4	SSBQAM	3	1	17.84	18.11	17.90						
1.4	SSBQAM	3	3	17.83	17.89	17.84		19	5			
1.4	SSBQAM	6	0	18.03	18.00	17.99						

Band 13 Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	23.09								
10	QPSK	1	25	23.07				24	0			
10	QPSK	1	49	23.01								
10	QPSK	25	0	22.13								
10	QPSK	25	12	22.08				23	1			
10	QPSK	25	25	22.06								
10	QPSK	50	0	22.17								
10	HQAM	1	0	22.06								
10	HQAM	1	25	21.99				23	1			
10	HQAM	1	49	22.02								
10	HQAM	25	0	21.05								
10	HQAM	25	12	20.99				22	2			
10	HQAM	25	25	20.97								
10	HQAM	50	0	21.13								
10	HQAM	1	0	21.09								
10	HQAM	1	25	20.96				22	2			
10	HQAM	1	49	21.00								
10	HQAM	25	0	20.03								
10	HQAM	25	12	19.95				21	3			
10	HQAM	25	25	20.00								
10	HQAM	50	0	20.09								
10	SSBQAM	1	0	18.04								
10	SSBQAM	1	25	18.11				19	5			
10	SSBQAM	1	49	18.05								
10	SSBQAM	25	0	18.06								
10	SSBQAM	25	12	18.12				19	5			
10	SSBQAM	25	25	18.03								
10	SSBQAM	50	0	18.15								



Band 25 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-up limit (min)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.63	22.66	22.61			
20	QPSK	1	49	22.66	22.76	22.63	24	0	
20	QPSK	1	99	22.69	22.78	22.62			
20	QPSK	50	0	21.75	21.90	21.79			
20	QPSK	50	24	21.81	21.84	21.88			
20	QPSK	50	50	21.76	21.89	21.82	23	1	
20	QPSK	100	0	21.05	21.20	21.09			
20	16QAM	50	0	21.81	21.85	21.73			
20	16QAM	1	49	21.87	21.75	21.81	23	1	
20	16QAM	1	99	21.77	21.83	21.79			
20	16QAM	50	0	20.71	20.95	20.78			
20	16QAM	50	24	20.89	20.92	20.78	22	2	
20	16QAM	50	50	20.84	20.78	20.71			
20	16QAM	100	0	20.78	20.90	20.80			
20	64QAM	1	0	20.78	20.90	20.80			
20	64QAM	1	49	20.89	20.75	20.87	22	2	
20	64QAM	50	0	19.74	19.83	19.70			
20	64QAM	50	24	19.57	19.72	19.68			
20	64QAM	50	50	19.60	19.74	19.62	21	3	
20	64QAM	100	0	19.84	19.89	19.78			
20	256QAM	1	49	17.84	17.95	17.87	19	5	
20	256QAM	1	99	17.75	17.89	17.85			
20	256QAM	50	0	17.96	17.99	17.82			
20	256QAM	50	24	17.83	17.90	17.75	19	5	
20	256QAM	50	50	17.74	17.81	17.70			
20	256QAM	100	0	17.26	17.35	17.29			
Channel									
Frequency (MHz)									
19	QPSK	1	0	22.79	22.85	22.80			
19	QPSK	1	37	22.85	22.93	22.81	24	0	
19	QPSK	1	74	22.63	22.63	22.56			
19	QPSK	36	0	21.69	21.83	21.76			
19	QPSK	36	25	21.68	21.71	21.81			
19	QPSK	36	39	21.68	21.77	21.69	23	1	
19	QPSK	75	0	21.83	21.96	21.85			
19	16QAM	1	0	21.77	21.74	21.89			
19	16QAM	1	37	21.55	21.67	21.52	23	1	
19	16QAM	1	74	21.70	21.74	21.71			
19	16QAM	36	0	20.81	20.71	20.87			
19	16QAM	36	20	20.59	20.68	20.67	22	2	
19	16QAM	75	0	20.78	20.83	20.76			
19	64QAM	1	0	20.86	20.78	20.78			
19	64QAM	36	0	19.85	19.88	19.83	22	2	
19	64QAM	36	25	19.86	19.82	19.83			
19	64QAM	36	39	19.58	19.52	19.50	21	3	
19	64QAM	75	0	19.71	19.78	19.68			
19	256QAM	1	0	17.70	17.75	17.76			
19	256QAM	1	37	17.80	17.91	17.81	19	5	
19	256QAM	1	74	17.81	17.83	17.73			
19	256QAM	50	0	17.86	17.89	17.82			
19	256QAM	50	24	17.76	17.76	17.81	19	5	
19	256QAM	50	39	17.89	17.74	17.65			
19	256QAM	75	0	17.72	17.82	17.76			
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.69	22.68	22.65			
20	QPSK	1	37	22.65	22.63	22.61	24	0	
20	QPSK	1	74	22.63	22.63	22.56			
20	QPSK	36	0	21.69	21.83	21.76			
20	QPSK	36	25	21.68	21.71	21.81			
20	QPSK	36	39	21.68	21.77	21.69	23	1	
20	QPSK	75	0	21.83	21.96	21.85			
20	16QAM	1	0	21.77	21.74	21.89			
20	16QAM	1	37	21.55	21.67	21.52	23	1	
20	16QAM	1	74	21.70	21.74	21.71			
20	16QAM	36	0	20.81	20.71	20.87			
20	16QAM	36	20	20.59	20.68	20.67	22	2	
20	16QAM	75	0	20.78	20.83	20.76			
20	64QAM	1	0	20.86	20.78	20.78			
20	64QAM	36	0	19.85	19.88	19.83	22	2	
20	64QAM	36	25	19.86	19.82	19.83			
20	64QAM	36	39	19.58	19.52	19.50	21	3	
20	64QAM	75	0	19.71	19.78	19.68			
20	256QAM	1	0	17.70	17.75	17.76			
20	256QAM	1	37	17.80	17.91	17.81	19	5	
20	256QAM	1	74	17.81	17.83	17.73			
20	256QAM	50	0	17.86	17.89	17.82			
20	256QAM	50	24	17.76	17.76	17.81	19	5	
20	256QAM	50	39	17.89	17.74	17.65			
20	256QAM	75	0	17.72	17.82	17.76			
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.79	22.85	22.80			
20	QPSK	1	37	22.85	22.93	22.81	24	0	
20	QPSK	1	74	22.63	22.63	22.56			
20	QPSK	36	0	21.69	21.83	21.76			
20	QPSK	36	25	21.68	21.71	21.81			
20	QPSK	36	39	21.68	21.77	21.69	23	1	
20	QPSK	75	0	21.83	21.96	21.85			
20	16QAM	1	0	21.77	21.74	21.89			
20	16QAM	1	37	21.55	21.67	21.52	23	1	
20	16QAM	1	74	21.70	21.74	21.71			
20	16QAM	36	0	20.81	20.71	20.87			
20	16QAM	36	20	20.59	20.68	20.67	22	2	
20	16QAM	75	0	20.78	20.83	20.76			
20	64QAM	1	0	20.86	20.78	20.78			
20	64QAM	36	0	19.85	19.88	19.83	22	2	
20	64QAM	36	25	19.86	19.82	19.83			
20	64QAM	36	39	19.58	19.52	19.50	21	3	
20	64QAM	75	0	19.71	19.78	19.68			
20	256QAM	1	0	17.70	17.75	17.76			
20	256QAM	1	37	17.80	17.91	17.81	19	5	
20	256QAM	1	74	17.81	17.83	17.73			
20	256QAM	50	0	17.86	17.89	17.82			
20	256QAM	50	24	17.76	17.76	17.81	19	5	
20	256QAM	50	39	17.89	17.74	17.65			
20	256QAM	75	0	17.72	17.82	17.76			
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.69	22.68	22.65			
20	QPSK	1	37	22.65	22.63	22.61	24	0	
20	QPSK	1	74	22.63	22.63	22.56			
20	QPSK	36	0	21.69	21.83	21.76			
20	QPSK	36	25	21.68	21.71	21.81			
20	QPSK	36	39	21.68	21.77	21.69	23	1	
20	QPSK	75	0	21.83	21.96	21.85			
20	16QAM	1	0	21.77	21.74	21.89			
20	16QAM	1	37	21.55	21.67	21.52	23	1	
20	16QAM	1	74	21.70	21.74	21.71			
20	16QAM	36	0	20.81	20.71	20.87			
20	16QAM	36	20	20.59	20.68	20.67	22	2	
20	16QAM	75	0	20.78	20.83	20.76			
20	64QAM	1	0	20.86	20.78	20.78			
20	64QAM	36	0	19.85	19.88	19.83	22	2	
20	64QAM	36	25	19.86	19.82	19.83			
20	64QAM	36	39	19.58	19.52	19.50	21	3	
20	64QAM	75	0	19.71	19.78	19.68			
20	256QAM	1	0	17.70	17.75	17.76			
20	256QAM	1	37	17.80	17.91	17.81	19	5	
20	256QAM	1	74	17.81	17.83	17.73			
20	256QAM	50	0	17.86	17.89	17.82			
20	256QAM	50	24	17.76	17.76	17.81	19	5	
20	256QAM	50	39	17.89	17.74	17.65			
20	256QAM	75	0	17.72	17.82	17.76			

Band 26 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Time-up limit (min)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.91	23.11	22.87			
15	QPSK	1	37	22.73	23.02	22.85	24	0	
15	QPSK	1	74	22.88	22.93	22.87			
15	QPSK	36	0	21.88	21.95	21.81			
15	QPSK	36	20	21.89	21.83	21.83			
15	QPSK								



Band 38 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm) MPR (dB)	
Channel								
Frequency (MHz)								
20	QPSK	1	0	22.96	23.15	23.03	24	0
20	QPSK	1	49	22.97	23.11	23.02		
20	QPSK	1	99	22.93	23.07	23.02		
20	QPSK	50	0	22.14	22.20	22.09		
20	QPSK	50	34	22.26	22.12	22.05		
20	QPSK	50	68	22.06	22.16	22.09	23	1
20	QPSK	100	0	22.11	22.16	22.07		
20	QPSK	1	0	21.80	21.94	21.87		
20	HQAM	1	49	21.90	21.91	21.89	23	1
20	HQAM	1	99	21.87	21.92	21.90		
20	HQAM	50	0	21.88	21.77	21.84		
20	HQAM	50	34	21.92	21.90	21.84		
20	HQAM	50	68	20.90	20.97	20.91	22	2
20	HQAM	100	0	21.83	21.76	21.84		
20	HQAM	1	0	20.95	21.14	21.07		
20	HQAM	1	49	20.98	21.04	20.95	22	2
20	HQAM	1	99	20.95	21.07	21.00		
20	HQAM	50	0	20.13	20.10	20.05		
20	HQAM	50	34	20.05	20.03	20.07		
20	HQAM	50	68	19.99	19.97	19.97	21	3
20	HQAM	100	0	20.01	20.13	20.02		
20	256QAM	1	0	17.85	18.21	18.07		
20	256QAM	1	49	17.84	18.20	18.06	19	5
20	256QAM	1	99	17.91	18.12	18.06		
20	256QAM	50	0	18.01	18.22	18.07		
20	256QAM	50	34	18.03	18.15	18.03	19	5
20	256QAM	50	68	18.01	18.12	18.00		
20	256QAM	100	0	18.03	18.21	18.03		
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.74	22.93	22.83	24	0
15	QPSK	1	37	22.89	23.09	22.99		
15	QPSK	1	74	22.81	22.83	22.91		
15	QPSK	36	0	22.61	22.67	22.58		
15	QPSK	36	30	21.97	21.98	21.96	23	1
15	QPSK	36	60	22.64	22.62	22.61		
15	QPSK	75	0	21.99	22.13	21.92		
15	HQAM	1	0	21.79	21.90	21.90		
15	HQAM	1	37	21.83	21.96	21.93	23	1
15	HQAM	1	74	21.74	21.88	21.85		
15	HQAM	36	0	21.61	21.71	21.69		
15	HQAM	36	30	20.93	20.87	20.87	22	2
15	HQAM	36	60	20.78	20.87	20.83		
15	HQAM	75	0	20.82	21.61	20.82		
15	HQAM	1	0	20.98	21.09	20.97	22	2
15	HQAM	1	37	20.98	20.94	20.83		
15	HQAM	1	74	20.97	21.02	20.98		
15	HQAM	36	0	20.05	20.02	19.95	21	3
15	HQAM	36	30	19.94	19.90	19.90		
15	HQAM	36	60	19.92	19.85	19.85		
15	HQAM	75	0	19.93	20.02	19.93		
15	256QAM	1	0	17.84	18.18	17.88	19	5
15	256QAM	1	37	17.84	18.01	17.88		
15	256QAM	1	74	17.80	18.00	17.83		
15	256QAM	36	0	18.03	18.07	17.98	19	5
15	256QAM	36	30	17.81	18.07	17.84		
15	256QAM	36	60	17.97	18.04	17.95		
15	256QAM	75	0	17.82	18.01	17.83		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.15	22.24	22.15	24	0
10	QPSK	1	25	22.94	23.06	22.98		
10	QPSK	1	49	22.80	22.84	22.80		
10	QPSK	12	0	22.63	22.66	22.65		
10	QPSK	25	12	21.04	22.00	21.91	23	1
10	QPSK	25	25	21.90	21.93	21.92		
10	QPSK	50	0	22.04	22.11	21.98		
10	HQAM	1	0	21.78	21.89	21.96		
10	HQAM	1	25	21.77	21.96	21.86	23	1
10	HQAM	1	49	21.60	21.73	21.69		
10	HQAM	25	0	20.98	21.04	20.91		
10	HQAM	25	12	20.95	20.97	20.87	22	2
10	HQAM	25	25	20.94	20.94	20.91		
10	HQAM	50	0	20.88	20.89	20.89		
10	HQAM	1	0	20.95	21.00	21.00		
10	HQAM	1	25	20.83	20.91	20.83	22	2
10	HQAM	1	49	20.81	21.03	20.91		
10	HQAM	25	0	20.02	20.11	19.95		
10	HQAM	25	12	20.00	19.95	19.96	21	3
10	HQAM	25	25	19.89	19.85	19.84		
10	HQAM	50	0	19.97	20.01	19.91		
10	256QAM	1	0	17.92	18.10	17.92	19	5
10	256QAM	1	25	17.86	18.06	17.97		
10	256QAM	1	49	17.83	18.02	17.91		
10	256QAM	25	0	18.05	18.12	17.84	19	5
10	256QAM	25	12	17.95	18.11	17.95		
10	256QAM	25	25	17.85	17.97	17.95		
10	256QAM	50	0	18.04	18.00	17.84		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.54	23.10	22.94	24	0
5	QPSK	1	24	22.87	23.04	22.97		
5	QPSK	12	0	22.60	22.68	22.68		
5	QPSK	12	7	22.91	21.98	21.98	23	1
5	QPSK	12	13	21.95	22.01	21.91		
5	HQAM	1	0	21.83	21.94	21.90		
5	HQAM	1	12	21.82	21.87	21.85	23	1
5	HQAM	1	24	21.76	21.84	21.82		
5	HQAM	12	0	20.06	21.10	20.92		
5	HQAM	12	7	20.98	20.89	20.83	22	2
5	HQAM	12	13	20.98	20.84	20.77		
5	HQAM	25	0	20.99	21.04	20.81		
5	HQAM	1	0	20.90	21.05	21.01		
5	HQAM	1	12	20.95	20.91	20.84	22	2
5	HQAM	1	24	20.70	20.97	20.92		
5	HQAM	12	0	20.03	20.09	19.97		
5	HQAM	12	7	20.51	19.95	19.91	21	3
5	HQAM	12	13	19.85	19.92	19.91		
5	HQAM	25	0	19.91	20.07	19.89		
5	256QAM	1	0	17.89	18.11	18.03	19	5
5	256QAM	1	12	17.83	17.95	17.95		
5	256QAM	1	24	17.86	18.02	17.96		
5	256QAM	12	7	17.84	18.06	17.95	19	5
5	256QAM	12	13	17.96	18.09	17.94		
5	256QAM	25	0	17.98	18.12	17.88		

Band 38 HPUE Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm) MPR (dB)	
Channel								
Frequency (MHz)								
20	QPSK	1	0	23.38	23.54	23.53	27	0
20	QPSK	1	49	23.32	23.40	23.31		
20	QPSK	1	99	23.40	23.48	23.42		
20	QPSK	50	0	24.49	24.52	24.58		
20	QPSK	50	24	24.42	24.58	24.51	26	1
20	QPSK	50	49	24.55	24.48	24.50		
20	QPSK	100	0	24.45	24.57	24.52		
20	16QAM	1	0	24.74	24.84	24.69		
20	16QAM	1	49	24.65	24.80	24.73	26	1
20	16QAM	1	99	24.85	24.72	24.62		
20	16QAM	50	0	23.54	23.62	23.56		
20	16QAM	50	24	23.58	23.46	23.50	25	2
20	16QAM	50	50	23.46	23.51	23.42		
20	16QAM	100	0	23.54	23.65	23.59		
20	16QAM	1	0	23.51	23.51	23.47		
20	16QAM	1	49	23.34	23.45	23.35	25	2
20	16QAM	1	99	23.45	23.54	23.41		
20	16QAM	50	0	22.63	22.67	22.58		
20	16QAM	50	24	22.48	22.53	22.59	24	3
20	16QAM	50	50	22.54	22.62	22.55		
20	16QAM	100	0	22.47	22.61	22.54		
20	256QAM	1	0	20.57	20.70	20.59		
20	256QAM	1	49	20.52	20.61	20.58	22	5
20	256QAM	1	99	20.51	20.54	20.43		
20	256QAM	50	0	20.64	20.70	20.69		
20	256QAM	50	24	20.72	20.82	20.78	22	5
20	256QAM	50	50	20.82	20.89	20.59		
20	256QAM	100	0	20.58	20.64	20.55		
Channel								
Frequency (MHz)								
15	QPSK	1	0	23.11	23.13	23.13	27	0
15	QPSK	1	37	23.21	23.34	23.29		
15	QPSK	1	74	23.27	23.36	23.34		
15	QPSK	36	0	24.35	24.53	24.49		
15	QPSK	36	30	24.36	24.49	24.37	26	1
15	QPSK	36	60	24.29	24.38	24.38		
15	QPSK	75	0	24.30	24.44	24.43		
15	16QAM	1	0	24.63	24.80	24.58		
15	16QAM	1	37	24.55	24.71	24.70	26	1
15	16QAM	1	74	24.60	24.65	24.52		
15	16QAM	36	0	23.90	23.98	23.48		
15	16QAM	36	30	23.11	23.12	23.05	25	2
15	16QAM	36	60	23.34	23.41	23.35		
15	16QAM	75	0	23.47	23.55	23.46		
15	16QAM	1	0	23.43	23.58	23.58		
15	16QAM	1	37	23.19	23.37	23.24	25	2
15	16QAM	1	74	23.38	23.41	23.38		
15	16QAM	36	0	23.44	23.60	23.50		
15	16QAM	36	30	22.39	22.41	22.27	24	3
15	16QAM	36	60	23.44	23.44	23.39		
15	16QAM	75	0	23.37	22.49	22.42		
15	256QAM	1	0	20.50	20.58	20.46	22	5
15	256QAM	1	37	20.41	20.57	20.47		
15	256QAM	1	74	20.41	20.50	20.38		
15	256QAM	36	0	20.59	20.50	20.57	22	5
15	256QAM	36	30	20.59	20.78	20.72		
15	256QAM	36	60	20.59	20.59	20.47		
15	256QAM	75	0	20.42	20.54	20.46		
Channel								
Frequency (MHz)								
10	QPSK</							



Band 41 Ant0											
BW [MHz]	Modulation	RB Size	RB Offset	For IC Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Turn-up time (dBm)	MPE (dB)
Channel	Frequency (MHz)	39750	39750	39750	40186	40622	41058	41494	41930		
20	OFRK	1	0	22.03	22.04	22.05	22.07	22.12	22.20	24	0
20	OFRK	1	49	22.00	22.03	22.08	22.10	22.15	22.25		
20	OFRK	1	98	22.07	22.06	22.00	22.10	22.09	22.01		
20	OFRK	50	0	22.08	22.04	22.05	22.10	22.07	22.11		
20	OFRK	50	24	21.98	22.00	22.05	22.12	22.03	22.04		
20	OFRK	50	49	21.97	21.98	21.97	21.97	21.96	21.99		
20	OFRK	100	0	22.04	22.03	22.05	22.18	22.07	22.09		
20	HQAM	1	0	21.98	21.99	22.05	22.07	22.10	22.26		
20	HQAM	50	24	21.93	21.98	21.92	21.90	21.94	21.17		
20	HQAM	50	49	21.92	21.92	21.92	21.91	21.92	21.90		
20	HQAM	100	0	22.00	22.00	22.00	21.90	21.95	22.07		
20	HQAM	100	1	21.99	21.99	22.01	22.07	22.01	22.07		
20	HQAM	50	0	21.11	21.05	21.12	21.16	21.04	21.17		
20	HQAM	50	24	21.03	20.98	21.02	21.00	21.05	21.11		
20	HQAM	50	49	21.02	20.96	21.03	21.00	21.05	21.07		
20	HQAM	100	0	21.08	21.02	21.09	21.10	21.07	21.11		
20	HQAM	100	1	20.97	20.94	21.01	21.23	21.20	21.13		
20	HQAM	1	49	20.90	20.86	20.91	21.07	20.92	20.90		
20	HQAM	1	98	20.86	20.85	21.00	21.17	21.00	21.08		
20	HQAM	50	0	20.04	20.06	20.08	20.31	20.14	20.17		
20	HQAM	50	24	19.94	19.98	20.11	20.17	20.00	20.00		
20	HQAM	50	49	19.99	19.98	19.97	20.00	20.02	19.93		
20	HQAM	100	0	20.01	20.08	20.11	20.32	20.14	20.10		
20	HQAM	100	1	19.85	19.96	19.82	18.16	18.16	18.14		
20	HQAM	100	49	19.87	19.84	19.88	18.91	17.94	17.84		
20	HQAM	1	99	17.93	17.97	17.93	18.09	18.02	17.98		
20	HQAM	1	99	17.91	17.97	17.91	18.07	18.04	18.00		
20	HQAM	50	24	17.95	18.01	18.02	18.05	17.94	18.02		
20	HQAM	50	49	17.99	17.97	17.95	18.09	17.88	17.93		
20	HQAM	100	0	18.03	18.03	18.03	18.03	18.03	18.03		
Channel	Frequency (MHz)	39750	39750	40186	40622	41058	41494	41930	42366	Turn-up time (dBm)	MPE (dB)
15	OFRK	1	0	22.03	22.03	22.03	22.13	22.14	22.21	24.00	0
15	OFRK	1	37	22.08	22.07	22.03	22.30	22.82	22.83		
15	OFRK	1	74	22.04	22.04	22.02	22.97	22.96	22.93		
15	OFRK	1	49	22.07	21.90	21.92	22.02	21.92	22.07		
15	OFRK	38	20	21.91	21.87	22.00	22.08	21.98	22.01		
15	OFRK	38	59	21.97	21.84	21.81	22.10	21.89	21.83		
15	OFRK	75	0	21.93	21.98	22.00	22.11	22.00	21.94		
15	HQAM	1	0	21.87	21.88	22.06	22.23	22.15	22.11		
15	HQAM	1	74	21.77	21.73	21.73	21.89	21.81	22.02		
15	HQAM	1	74	21.85	21.91	21.89	21.98	21.91	22.03		
15	HQAM	38	0	20.97	20.98	21.04	21.10	20.93	21.02		
15	HQAM	38	20	20.93	20.81	20.81	20.81	20.81	20.81		
15	HQAM	38	59	20.90	20.88	20.85	21.02	20.96	20.92		
15	HQAM	75	0	21.01	20.90	20.91	21.05	21.01	20.97		
15	HQAM	75	0	20.91	20.90	21.14	21.12	21.11	21.04		
15	HQAM	1	37	20.86	20.86	20.88	20.97	20.89	20.81		
15	HQAM	1	74	20.92	20.90	20.97	21.11	20.88	20.97		
15	HQAM	38	0	20.90	20.92	20.90	20.92	20.88	20.10		
15	HQAM	38	20	19.89	19.92	20.96	20.59	19.94	19.93		
15	HQAM	75	0	19.95	19.95	19.95	19.95	19.95	19.95		
15	HQAM	75	0	19.85	19.99	19.99	20.15	20.05	20.03		
15	HQAM	1	37	17.79	17.85	17.84	18.08	18.03	18.07		
15	HQAM	1	37	17.78	17.86	17.84	17.87	17.82	17.82		
15	HQAM	1	74	17.87	17.92	17.90	17.94	17.80	17.92		
15	HQAM	38	0	17.96	17.91	17.98	17.99	17.95	17.97		
15	HQAM	38	20	17.96	17.94	17.83	17.90	17.86	17.90		
15	HQAM	38	59	17.90	17.80	17.84	17.96	17.83	17.89		
15	HQAM	75	0	17.86	17.90	17.86	17.82	17.82	17.89		
Channel	Frequency (MHz)	40186	40186	40622	40622	41058	41494	41930	42366	Turn-up time (dBm)	MPE (dB)
10	OFRK	1	0	22.03	22.03	22.03	22.11	22.10	22.16	24.00	0
10	OFRK	1	25	22.76	22.66	22.79	22.98	22.97	22.81		
10	OFRK	1	49	22.88	22.91	22.85	22.97	22.80	22.91		
10	OFRK	1	98	22.98	22.93	22.90	22.90	22.90	22.86		
10	OFRK	25	12	21.87	21.85	21.83	22.00	21.91	21.98		
10	OFRK	25	25	21.90	21.90	21.82	21.94	21.98	21.89		
10	OFRK	1	1	21.94	21.91	21.89	22.11	21.98	21.99		
10	HQAM	1	0	21.92	21.83	22.02	22.19	22.09	22.14		
10	HQAM	1	25	21.76	21.79	21.79	21.91	21.86	21.94		
10	HQAM	1	49	21.86	21.84	21.86	21.99	21.90	21.92		
10	HQAM	25	0	21.07	20.95	20.97	21.10	20.90	21.12		
10	HQAM	25	12	20.92	20.81	20.87	21.00	20.87	20.97		
10	HQAM	25	25	20.98	20.97	20.90	21.05	20.95	21.01		
10	HQAM	50	0	21.08	20.99	20.91	21.00	20.88	21.03		
10	HQAM	50	12	20.86	20.80	21.03	21.03	20.98	21.05		
10	HQAM	50	25	20.81	20.91	20.79	20.90	20.80	20.86		
10	HQAM	1	25	20.83	20.89	20.95	21.11	20.85	20.95		
10	HQAM	25	0	19.93	19.99	20.02	20.11	20.00	20.10		
10	HQAM	25	12	19.86	19.84	19.86	20.05	19.93	19.92		
10	HQAM	25	25	19.96	19.83	19.83	20.03	19.96	19.90		
10	HQAM	50	0	19.97	19.96	20.00	20.17	19.99	20.01		
10	HQAM	1	0	17.79	17.91	18.00	18.00	18.03	18.09		
10	HQAM	1	25	17.79	17.88	17.79	17.82	17.82	17.80		
10	HQAM	1	49	17.90	17.89	17.84	17.89	17.88	17.85		
10	HQAM	25	0	17.90	17.89	17.93	17.94	17.82	17.95		
10	HQAM	25	12	17.91	17.84	17.85	17.86	17.87	17.86		
10	HQAM	25	25	17.85	17.79	17.82	17.95	17.85	17.88		
10	HQAM	50	0	17.85	17.87	17.88	18.06	17.87	18.03		
Channel	Frequency (MHz)	2502.5	2488.5	2488.5	2523.5	2539.5	2583.5	2587.5	2587.5	Turn-up time (dBm)	MPE (dB)
5	OFRK	1	0	22.90	22.95	23.98	23.18	23.18	23.22	24.00	0
5	OFRK	1	12	22.82	22.85	22.77	22.89	22.84	22.82		
5	OFRK	1	24	22.85	22.84	22.88	22.86	22.87	22.89		
5	OFRK	12	0	21.97	21.98	21.98	22.16	21.96	21.91		
5	OFRK	12	7	21.89	21.98	22.01	22.09	21.95	21.94		
5	OFRK	12	13	21.85	21.88	21.88	22.02	21.96	21.91		
5	OFRK	29	0	21.94	21.97	22.03	22.09	22.03	22.06		
5	HQAM	1	0	21.94	21.91	21.95	22.32	22.07	22.19		
5	HQAM	1	12	21.84	21.85	21.83	21.86	21.85	21.88		
5	HQAM	1	24	21.83	21.80	21.80	21.92	21.87	21.80		
5	HQAM	12	0	20.97	20.97	21.02	21.11	20.90	21.08		
5	HQAM	12	7	20.91	20.84	20.90	21.01	20.97	20.99		
5	HQAM	12	13	20.84	20.87	20.89	20.93	21.00	20.83		
5	HQAM	29	0	20.98	20.84	20.95	21.03	20.98	21.08		
5	HQAM	1	0	20.88	20.80	21.17	21.26	21.20	20.99		
5	HQAM	12	0	20.84	20.87	20.81					



Band 5 ENDC Ant1										
BM [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dB)	MPE (dB)		
Channel										
				833	836.5	844				
10	QPSK	1	0	23.33	23.36	23.35	24	0		
10	QPSK	1	25	23.18	23.20	23.20				
10	QPSK	1	49	23.07	23.21	23.18				
10	QPSK	25	0	22.12	22.28	22.18				
10	QPSK	25	12	22.19	22.26	22.17	23	1		
10	QPSK	25	25	22.18	22.22	22.14				
10	QPSK	50	0	22.11	22.19	22.11				
10	16QAM	1	0	22.08	22.12	21.99				
10	16QAM	1	25	21.88	22.00	21.90	23	1		
10	16QAM	1	49	21.88	22.00	21.84				
10	16QAM	25	0	21.10	21.22	21.10				
10	16QAM	25	12	21.19	21.27	21.19	22	2		
10	16QAM	25	25	21.10	21.22	21.12				
10	16QAM	50	0	21.13	21.24	21.21				
10	16QAM	1	0	21.12	21.17	21.07				
10	16QAM	1	25	20.95	21.05	20.93	22	2		
10	16QAM	1	49	21.18	21.23	21.13				
10	16QAM	25	0	20.15	20.30	20.07				
10	16QAM	25	12	20.10	20.18	20.01				
10	16QAM	25	25	20.12	20.18	20.05	21	3		
10	16QAM	50	0	20.11	20.15	20.02				
10	16QAM	1	0	18.05	18.18	18.02				
10	16QAM	1	25	17.97	18.05	18.01	19	5		
10	16QAM	1	49	18.08	18.13	18.03				
10	16QAM	25	0	18.02	18.05	18.02				
10	16QAM	25	12	17.99	18.07	17.94	19	5		
10	16QAM	25	25	18.07	18.12	18.06				
10	16QAM	50	0	18.05	18.14	18.10				
Channel										
				2042.5	2052.5	2052.5				
				828.5	836.5	846.5				
5	QPSK	1	0	23.26	23.31	23.26	24	0		
5	QPSK	1	25	23.05	23.17	23.09				
5	QPSK	1	49	22.95	23.12	23.02				
5	QPSK	12	0	22.01	22.18	22.10				
5	QPSK	12	7	22.08	22.12	22.06	23	1		
5	QPSK	12	13	22.06	22.10	22.07				
5	QPSK	25	0	22.00	22.19	22.05				
5	16QAM	1	0	22.01	22.06	21.88				
5	16QAM	1	12	21.84	21.97	21.85	23	1		
5	16QAM	1	24	21.80	21.93	21.80				
5	16QAM	12	0	21.05	21.09	21.05				
5	16QAM	12	7	21.12	21.20	21.08	22	2		
5	16QAM	12	13	21.02	21.13	21.02				
5	16QAM	25	0	21.08	21.16	21.14				
5	16QAM	1	0	21.05	21.12	20.99				
5	16QAM	1	25	20.85	20.98	20.82	22	2		
5	16QAM	1	49	21.10	21.12	21.02				
5	16QAM	12	0	20.07	20.17	20.00				
5	16QAM	12	7	20.09	20.09	19.95				
5	16QAM	12	13	20.01	20.05	19.95	21	3		
5	16QAM	25	0	20.07	20.03	19.92				
5	16QAM	1	0	18.01	18.05	17.99				
5	16QAM	1	12	17.88	18.02	17.84	19	5		
5	16QAM	1	24	18.03	18.08	17.93				
5	16QAM	12	0	18.02	18.05	17.87				
5	16QAM	12	7	17.95	17.92	17.84	19	5		
5	16QAM	12	13	17.97	17.88	18.03				
5	16QAM	25	0	17.97	17.85	18.05				
Channel										
				2041.5	2052.5	2052.5				
				828.5	836.5	846.5				
3	QPSK	1	0	23.17	23.24	23.24	24	0		
3	QPSK	1	8	23.03	23.13	23.12				
3	QPSK	1	14	22.94	23.11	23.06				
3	QPSK	8	0	22.08	22.17	22.09				
3	QPSK	8	4	22.09	22.20	22.11	23	1		
3	QPSK	8	7	22.07	22.15	22.09				
3	16QAM	1	0	21.97	22.07	21.93				
3	16QAM	1	8	21.85	21.98	21.85	23	1		
3	16QAM	1	14	21.77	21.94	21.80				
3	16QAM	8	0	21.01	21.18	21.07				
3	16QAM	8	4	21.05	21.12	21.13	22	2		
3	16QAM	8	7	21.06	21.11	21.06				
3	16QAM	15	0	21.00	21.15	21.12				
3	16QAM	1	0	20.98	21.08	21.00				
3	16QAM	1	8	20.85	20.93	20.79	22	2		
3	16QAM	1	14	21.09	21.15	20.99				
3	16QAM	8	0	20.03	20.17	19.99				
3	16QAM	8	4	20.03	20.06	20.02				
3	16QAM	8	7	20.00	20.10	20.00	21	3		
3	16QAM	15	0	20.02	20.01	19.96				
3	16QAM	1	0	18.01	18.11	17.84				
3	16QAM	1	8	17.90	17.96	17.83	19	5		
3	16QAM	1	14	17.92	18.04	17.86				
3	16QAM	8	0	17.97	18.11	17.83				
3	16QAM	8	4	17.86	17.88	17.81	19	5		
3	16QAM	8	7	17.95	18.01	17.91				
3	16QAM	15	0	17.91	18.01	17.85				
Channel										
				2040.7	2052.5	2043				
				824.7	838.5	848.3				
1.4	QPSK	1	0	23.07	23.31	23.24	24	0		
1.4	QPSK	1	3	23.03	23.22	23.17				
1.4	QPSK	1	5	22.95	23.11	23.11				
1.4	QPSK	3	0	22.08	22.18	22.07				
1.4	QPSK	3	1	23.10	23.15	23.03	23	1		
1.4	QPSK	3	3	23.07	23.12	23.04				
1.4	QPSK	6	0	22.04	22.07	22.00				
1.4	16QAM	1	0	21.92	22.07	21.84	23	1		
1.4	16QAM	1	3	21.89	21.92	21.87				
1.4	16QAM	1	5	21.81	21.91	21.88				
1.4	16QAM	3	0	22.02	22.13	22.05				
1.4	16QAM	3	1	22.07	22.13	22.06	22	2		
1.4	16QAM	3	3	21.98	22.07	21.94				
1.4	16QAM	6	0	21.00	21.13	21.08	22	2		
1.4	16QAM	1	0	21.03	21.03	21.01				
1.4	16QAM	1	3	20.98	20.98	20.89				
1.4	16QAM	1	5	21.04	21.09	21.02	22	2		
1.4	16QAM	3	0	21.09	21.07	20.96				
1.4	16QAM	3	1	20.93	21.06	21.00				
1.4	16QAM	3	3	21.01	21.12	20.91				
1.4	16QAM	6	0	20.01	20.02	19.99	21	3		
1.4	16QAM	1	0	18.02	18.04	17.98				
1.4	16QAM	1	3	17.88	17.95	17.80	19	5		
1.4	16QAM	1	5	17.97	17.99	17.85				
1.4	16QAM	3	0	17.96	18.05	17.88				
1.4	16QAM	3	1	17.89	17.92	17.85	19	5		
1.4	16QAM	3	3	17.99	18.08	18.03				
1.4	16QAM	6	0	17.94	18.02	18.03	19	5		

Band 7 ENDC Ant1										
BM [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dB)	MPE (dB)		
Channel										
				2510	2535	2558				
20	QPSK	1	0	22.99	23.05	22.92	24	0		
20	QPSK	1	49	22.90	23.02	22.92				
20	QPSK	1	99	22.92	23.01	22.88				
20	QPSK	50	0	21.96	22.36	21.92				
20	QPSK	50	24	21.93	22.32	21.83	23	1		
20	QPSK	50	50	21.92	21.96	21.84				
20	QPSK	100	0	21.82	21.97	21.92				
20	16QAM	1	0	21.71	21.81	21.71				
20	16QAM	1	49	21.98	21.78	21.72	23	1		
20	16Q									



Band 42 FCC Ant2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up Int. (dBm)	MPR (dB)
Channel				42190	42990	42990		
Frequency (MHz)				3440	3660	3660		
20	QPSK	1	0	23.49	23.53	23.48	24	0
20	QPSK	1	48	23.32	23.43	23.29		
20	QPSK	1	96	22.98	23.48	23.32		
20	QPSK	50	0	22.45	22.55	22.49		
20	QPSK	50	24	22.38	22.51	22.38	23	1
20	QPSK	100	0	22.35	22.50	22.40		
20	HQAM	1	0	22.45	22.57	22.55		
20	HQAM	1	48	22.29	22.49	22.27	23	1
20	HQAM	1	96	22.41	22.48	22.38		
20	HQAM	50	0	21.51	21.56	21.39		
20	HQAM	50	24	21.53	21.54	21.39	22	2
20	HQAM	50	50	21.44	21.54	21.52		
20	HQAM	100	0	21.38	21.5	21.45		
20	HQAM	1	0	21.52	21.51	21.53		
20	HQAM	1	48	21.37	21.48	21.38	22	2
20	HQAM	1	96	21.48	21.53	21.43		
20	HQAM	50	0	20.50	20.54	20.50		
20	HQAM	50	24	20.45	20.54	20.47		
20	HQAM	50	50	20.45	20.52	20.56	21	3
20	HQAM	100	0	20.43	20.62	20.51		
20	SRSSAM	1	0	18.53	18.53	18.48		
20	SRSSAM	1	48	18.38	18.45	18.29	19	5
20	SRSSAM	1	96	18.37	18.50	18.29		
20	SRSSAM	50	0	18.50	18.46	18.56		
20	SRSSAM	50	24	18.43	18.57	18.42	19	5
20	SRSSAM	50	50	18.44	18.65	18.50		
20	SRSSAM	100	0	18.44	18.62	18.44		
Channel				42195	42990	43015		
Frequency (MHz)				3457.5	3670	3647.5		
15	QPSK	1	0	23.43	23.43	23.42	24	0
15	QPSK	1	47	23.25	23.28	23.21		
15	QPSK	1	74	23.29	23.26	23.27		
15	QPSK	36	0	22.39	22.62	22.48	23	1
15	QPSK	36	20	22.24	22.39	22.35		
15	QPSK	36	36	22.31	22.47	22.42		
15	QPSK	75	0	22.21	22.38	22.27		
15	HQAM	1	0	22.39	22.42	22.42		
15	HQAM	1	37	22.21	22.44	22.31	23	1
15	HQAM	1	74	22.29	22.33	22.32		
15	HQAM	36	0	21.41	21.47	21.40		
15	HQAM	36	30	21.29	21.41	21.35	22	2
15	HQAM	36	59	21.38	21.41	21.39		
15	HQAM	75	0	21.25	21.41	21.38		
15	HQAM	1	0	21.45	21.57	21.56		
15	HQAM	1	37	21.33	21.33	21.22	22	2
15	HQAM	1	74	21.41	21.43	21.27		
15	HQAM	36	3	20.38	20.57	20.50		
15	HQAM	36	20	20.39	20.41	20.42	21	3
15	HQAM	36	39	20.35	20.48	20.48		
15	HQAM	75	0	20.29	20.51	20.47		
15	SRSSAM	1	0	18.41	18.46	18.37	19	5
15	SRSSAM	1	37	18.22	18.35	18.20		
15	SRSSAM	1	74	18.34	18.48	18.25		
15	SRSSAM	36	0	18.40	18.53	18.41	19	5
15	SRSSAM	36	20	18.29	18.57	18.37		
15	SRSSAM	36	39	18.37	18.67	18.40		
15	SRSSAM	75	0	18.34	18.54	18.36		
Channel				43140	42990	43015		
Frequency (MHz)				3465	3670	3645		
10	QPSK	1	0	23.40	23.40	23.34	24	0
10	QPSK	1	25	23.18	23.39	23.22		
10	QPSK	1	49	23.34	23.41	23.21		
10	QPSK	36	0	22.38	22.45	22.35	23	1
10	QPSK	25	12	22.33	22.37	22.35		
10	QPSK	25	25	22.38	22.40	22.38		
10	QPSK	100	0	22.28	22.40	22.28		
10	HQAM	1	0	22.37	22.64	22.44		
10	HQAM	1	25	22.20	22.42	22.12	23	1
10	HQAM	1	49	22.34	22.34	22.29		
10	HQAM	25	0	21.43	21.51	21.44		
10	HQAM	25	12	21.20	21.42	21.26	22	2
10	HQAM	25	26	21.29	21.4	21.44		
10	HQAM	50	0	21.33	21.41	21.28		
10	HQAM	1	0	21.48	21.65	21.48		
10	HQAM	1	25	21.20	21.37	21.23	22	2
10	HQAM	25	0	20.45	20.49	20.55		
10	HQAM	25	12	20.31	20.40	20.42	21	3
10	HQAM	25	25	20.40	20.59	20.48		
10	HQAM	50	0	20.34	20.58	20.47		
10	SRSSAM	1	0	18.42	18.44	18.43	19	5
10	SRSSAM	1	25	18.25	18.46	18.23		
10	SRSSAM	1	49	18.33	18.45	18.23		
10	SRSSAM	25	0	18.45	18.57	18.51	19	5
10	SRSSAM	25	12	18.31	18.43	18.27		
10	SRSSAM	25	25	18.40	18.55	18.35		
10	SRSSAM	50	0	18.33	18.50	18.35		
Channel				43115	42990	43015		
Frequency (MHz)				3462.5	3670	3647.5		
5	QPSK	1	0	23.43	23.43	23.36	24	0
5	QPSK	1	15	23.19	23.35	23.17		
5	QPSK	1	24	23.27	23.43	23.22		
5	QPSK	12	0	22.38	22.41	22.44	23	1
5	QPSK	12	7	22.26	22.42	22.27		
5	QPSK	12	13	22.32	22.39	22.38		
5	QPSK	25	0	22.27	22.47	22.31		
5	HQAM	1	0	22.38	22.53	22.48		
5	HQAM	1	12	22.22	22.48	22.19	23	1
5	HQAM	1	24	22.28	22.39	22.31		
5	HQAM	12	0	21.47	21.55	21.40		
5	HQAM	12	7	21.24	21.40	21.25	22	2
5	HQAM	12	13	21.38	21.41	21.41		
5	HQAM	25	0	21.36	21.44	21.28		
5	HQAM	1	0	21.40	21.50	21.43		
5	HQAM	1	12	21.09	21.37	21.28	22	2
5	HQAM	1	24	21.38	21.37	21.33		
5	HQAM	12	0	20.40	20.38	20.54		
5	HQAM	12	7	20.40	20.45	20.43	21	3
5	HQAM	12	13	20.35	20.58	20.45		
5	HQAM	25	0	20.39	20.55	20.42		
5	SRSSAM	1	0	18.44	18.40	18.35	19	5
5	SRSSAM	1	12	18.26	18.31	18.25		
5	SRSSAM	1	24	18.23	18.44	18.18		
5	SRSSAM	12	0	18.38	18.67	18.53	19	5
5	SRSSAM	12	7	18.33	18.43	18.29		
5	SRSSAM	12	13	18.33	18.60	18.38		
5	SRSSAM	25	0	18.38	18.54	18.32		



Reduced Power Mode for WWAN DSI 2-Standalone

GSM850 Artd	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)								
GSM 1 Tx slot	32.89	32.71	32.85	33.50	23.89	23.71	23.85	24.50
GPRS 1 Tx slot	32.80	32.65	32.88	33.50	23.80	23.65	23.88	24.50
GPRS 2 Tx slots	30.76	30.34	30.42	31.50	24.76	24.34	24.42	25.50
GPRS 3 Tx slots	29.19	29.25	29.16	30.50	24.93	24.99	24.90	26.24
GPRS 4 Tx slots	27.58	27.62	27.56	29.00	24.58	24.62	24.56	26.00
EDGE 1 Tx slot	26.74	26.71	26.78	27.50	17.74	17.71	17.78	18.50
EDGE 2 Tx slots	25.73	25.67	25.68	27.00	19.73	19.67	19.68	21.00
EDGE 3 Tx slots	24.37	24.18	24.23	25.50	20.11	19.92	19.97	21.24
EDGE 4 Tx slots	22.62	22.54	22.39	24.00	19.62	19.54	19.39	21.00

GSM1900 Artd	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)								
GSM 1 Tx slot	30.07	30.04	30.00	30.50	21.07	21.04	21.00	21.50
GPRS 1 Tx slot	30.19	30.32	30.16	30.50	21.19	21.32	21.16	21.50
GPRS 2 Tx slots	27.04	27.29	27.38	28.50	21.04	21.29	21.38	22.50
GPRS 3 Tx slots	26.18	26.37	26.23	27.50	21.92	22.11	21.97	23.24
GPRS 4 Tx slots	24.69	24.78	24.71	26.00	21.69	21.78	21.71	23.00
EDGE 1 Tx slot	25.97	26.17	25.79	27.00	16.97	17.17	16.79	18.00
EDGE 2 Tx slots	24.82	25.17	24.80	26.00	18.82	19.17	18.80	20.00
EDGE 3 Tx slots	23.50	23.70	23.38	24.50	19.24	19.44	19.12	20.24
EDGE 4 Tx slots	21.98	22.14	21.77	23.00	18.98	19.14	18.77	20.00

Band	WCDMA I Artd	WCDMA IV Artd	WCDMA V Artd	Tune-up Limit (dBm)	WCDMA I Artd			WCDMA IV Artd			WCDMA V Artd		
					9622	9600	9538	1312	1413	1513	4132	4182	4233
TX Channel	9622	9600	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9652	9600	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1742.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	23.03	23.11	23.07	24.00	23.03	23.07	22.96	24.00	23.16	23.30	23.23	24.00
3GPP Rel 99	RMC 12.2Kbps	23.18	23.22	23.15	24.00	23.11	23.15	23.07	24.00	23.25	23.36	23.31	24.00
3GPP Rel 6	HSDPA Subtest-1	22.25	22.26	21.97	23.00	22.12	22.16	21.89	23.00	22.34	22.29	21.99	23.00
3GPP Rel 6	HSDPA Subtest-2	22.17	22.21	22.03	23.00	22.13	22.09	21.93	23.00	22.22	22.32	22.15	23.00
3GPP Rel 6	HSDPA Subtest-3	21.68	21.66	21.61	22.50	21.59	21.54	21.49	22.50	21.79	21.76	21.64	22.50
3GPP Rel 6	HSDPA Subtest-4	21.64	21.72	21.48	22.50	21.49	21.62	21.44	22.50	21.68	21.78	21.57	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.14	22.14	21.94	23.00	22.09	22.02	21.82	23.00	22.21	22.19	21.94	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.13	22.22	21.85	23.00	22.10	22.09	21.71	23.00	22.20	22.24	21.97	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.62	21.62	21.38	22.50	21.54	21.49	21.30	22.50	21.66	21.71	21.41	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.57	21.68	21.49	22.50	21.42	21.56	21.41	22.50	21.66	21.79	21.58	22.50
3GPP Rel 6	HSUPA Subtest-1	22.18	22.21	22.06	23.00	22.14	22.12	21.93	23.00	22.28	22.32	22.07	23.00
3GPP Rel 6	HSUPA Subtest-2	20.22	20.15	20.10	21.00	20.13	20.08	19.97	21.00	20.25	20.21	20.19	21.00
3GPP Rel 6	HSUPA Subtest-3	21.15	21.19	20.98	22.00	21.05	21.06	20.84	22.00	21.16	21.22	21.07	22.00
3GPP Rel 6	HSUPA Subtest-4	20.16	20.22	20.08	21.00	20.07	20.09	19.99	21.00	20.18	20.32	20.10	21.00
3GPP Rel 6	HSUPA Subtest-5	22.15	22.23	22.04	23.00	22.10	22.11	21.94	23.00	22.21	22.32	22.16	23.00



Band 2 Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Time-up (min)	MFR (dB)		
Channel				Ch1 / Freq	Ch2 / Freq	Ch3 / Freq	Ch4 / Freq				
Frequency (MHz)											
20	QPSK	1	0	22.30	22.30	22.30					
20	QPSK	1	49	20.82	20.82	20.82					
20	QPSK	1	99	22.83	22.88	22.74				24	0
20	QPSK	50	0	21.36	22.08	21.91					
20	QPSK	50	24	21.04	22.08	21.91					
20	QPSK	50	50	21.96	22.07	22.03				23	1
20	QPSK	100	0	21.36	22.07	22.02					
20	QPSK	100	24	21.86	22.02	21.96					
20	QPSK	1	49	21.81	21.91	21.82				23	1
20	16QAM	1	99	21.80	21.80	21.88					
20	16QAM	50	0	20.83	20.80	20.85					
20	16QAM	50	24	20.36	20.36	20.91				22	2
20	16QAM	50	50	20.87	21.03	20.91					
20	16QAM	100	0	20.84	21.03	21.01					
20	16QAM	100	24	20.89	20.91	20.83					
20	16QAM	1	49	20.81	20.80	20.82				22	2
20	16QAM	50	0	19.95	19.98	19.96					
20	16QAM	50	24	20.03	20.06	19.95					
20	16QAM	50	50	20.84	20.83	20.81				21	3
20	16QAM	100	0	19.92	20.01	20.07					
20	16QAM	100	24	19.99	20.00	20.00					
20	25QAM	1	49	17.85	17.84	17.91				19	5
20	25QAM	1	99	17.86	17.83	17.71					
20	25QAM	50	0	17.80	17.80	17.86					
20	25QAM	50	24	18.00	18.00	17.91					
20	25QAM	50	50	17.83	18.06	18.08				19	5
20	25QAM	100	0	17.84	17.84	17.85					
20	25QAM	100	24	18.00	18.00	18.00					
Time-up (min) MFR (dB)											
Frequency (MHz)											
15	QPSK	1	0	22.30	22.49	22.83					
15	QPSK	1	49	22.81	22.82	22.83					
15	QPSK	1	74	22.72	22.76	22.67				24	0
15	QPSK	36	0	21.80	22.01	21.80					
15	QPSK	36	24	21.93	21.96	21.89					
15	QPSK	36	39	21.89	21.98	21.92				23	1
15	QPSK	75	0	21.75	21.77	21.72					
15	16QAM	1	37	21.69	21.84	21.77				23	1
15	16QAM	1	74	21.84	21.85	21.85					
15	16QAM	36	0	20.86	20.80	20.72					
15	16QAM	36	24	20.86	20.84	20.88				22	2
15	16QAM	36	39	20.89	20.90	20.87					
15	16QAM	75	0	20.89	20.90	20.87					
15	16QAM	1	0	20.77	20.81	20.79				22	2
15	16QAM	1	37	20.78	20.80	20.79					
15	16QAM	1	74	20.90	20.75	20.59					
15	16QAM	36	0	19.84	19.80	19.83					
15	16QAM	36	24	19.87	19.88	19.84					
15	16QAM	36	39	19.87	20.01	19.81				21	3
15	16QAM	75	0	19.78	19.83	19.82					
15	16QAM	75	24	19.84	19.84	19.87					
15	25QAM	1	37	17.84	17.80	17.83				19	5
15	25QAM	1	74	17.77	17.87	17.84					
15	25QAM	36	0	17.81	17.80	17.83					
15	25QAM	36	24	17.91	17.80	17.87					
15	25QAM	36	39	17.84	17.87	17.84				19	5
15	25QAM	75	0	17.84	18.06	18.03					
Time-up (min) MFR (dB)											

Frequency (MHz)											
10	QPSK	1	0	22.30	22.30	22.30					
10	QPSK	1	25	22.80	22.81	22.76					
10	QPSK	1	49	22.69	22.81	22.84					
10	QPSK	1	99	22.80	22.81	22.84					
10	QPSK	25	12	22.01	21.98	21.82					
10	QPSK	25	25	21.84	21.87	21.96				23	1
10	QPSK	50	0	21.73	21.82	21.72					
10	16QAM	1	25	21.72	21.84	21.69				23	1
10	16QAM	1	49	21.82	21.82	21.88					
10	16QAM	25	0	20.76	20.90	20.74					
10	16QAM	25	12	20.81	20.90	20.83					
10	16QAM	25	25	20.81	20.88	20.84					
10	16QAM	50	0	20.86	20.90	20.92					
10	16QAM	50	12	20.77	20.83	20.74				22	2
10	16QAM	50	25	20.86	20.87	20.84					
10	16QAM	100	0	20.75	20.80	20.58					
10	16QAM	100	25	19.82	19.84	19.80					
10	16QAM	100	50	19.87	19.88	19.83					
10	16QAM	25	12	19.76	19.80	19.88				21	3
10	16QAM	25	25	19.78	19.81	20.00					
10	25QAM	1	25	17.86	17.80	17.83				19	5
10	25QAM	1	49	17.80	17.86	17.83					
10	25QAM	25	12	17.83	18.00	17.80					
10	25QAM	25	25	17.86	17.82	17.84				19	5
10	25QAM	50	0	17.85	18.00	17.80					
Time-up (min) MFR (dB)											

Frequency (MHz)											
5	QPSK	1	0	22.30	22.30	22.30					
5	QPSK	1	12	22.78	22.82	22.82					
5	QPSK	1	24	22.70	22.74	22.64				24	0
5	QPSK	1	48	22.80	22.81	22.81					
5	QPSK	12	7	21.89	21.90	21.90					
5	QPSK	12	13	21.86	21.94	21.88					
5	QPSK	25	13	21.83	21.85	21.87					
5	16QAM	1	6	21.83	21.84	21.76				23	1
5	16QAM	1	12	21.71	21.79	21.70					
5	16QAM	12	6	20.74	20.90	20.81					
5	16QAM	12	7	20.87	20.93	20.88					
5	16QAM	25	6	20.74	20.90	20.81					
5	16QAM	25	12	20.90	20.91	20.90					
5	16QAM	25	13	20.78	20.82	20.80					
5	16QAM	25	25	20.79	20.80	20.78					
5	16QAM	50	6	20.77	20.83	20.80				22	2
5	16QAM	50	12	20.77	20.83	20.80					
5	16QAM	50	24	20.77	20.83	20.80					
5	16QAM	100	6	19.85	19.84	19.82					
5	16QAM	100	12	19.88	19.88	19.83					
5	16QAM	100	24	19.84	19.82	19.82					
5	16QAM	25	0	19.85	19.87	19.89				21	3
5	25QAM	1	6	17.85	17.87	17.87					
5	25QAM	1	12	17.83	17.87	17.83				19	5
5	25QAM	1	24	17.76	17.86	17.82					
5	25QAM	12	6	17.83	18.00	17.82					
5	25QAM	12	7	17.86	17.86	17.82				19	5
5	25QAM	12	13	17.86	17.86	17.89					
5	25QAM	25	6	17.85	18.00	17.86					
Time-up (min) MFR (dB)											

Band 4 Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Power (W)	Time-up (min)	MFR (dB)		
Channel				1790	1792.5	1746					
Frequency (MHz)											
20	QPSK	1	0	23.02	23.07	23.05					
20	QPSK	1	49	22.96	22.96	22.96				24	0
20	QPSK	1	99	22.96	22.97	22.81					
20	QPSK	50	0	22.02	22.23	21.98					
20	QPSK	50	24	22.18	22.19	22.03					
20	QPSK	50	50	22.12	22.21	22.12				23	1
20	QPSK	100	0	22.02	22.18	22.11					
20	QPSK	100	24	22.08	22.08	21.98					
20	QPSK	1	49	21.87	22.02	21.81				23	1
20	16QAM	1	99	21.88	22.03	21.84					
20	16QAM	50	0	20.96	21.20	20.95					
20	16QAM	50	24	21.07	21.05	21.04				22	2
20	16QAM	50	50	21.00	21.17	21.02					
20	16QAM	100	0	21.11	21.11	21.12					
20	16QAM	100	24	21.05	20.98	20.96					
20	16QAM	1	49	20.99	21.02	20.94				22	2
20	16QAM	50	0	20.11	20.12	20.88					
20	16QAM	50	24	20.14	20.12	20.83					
20	16QAM	50	50	19.96	20.20	20.92				21	3
20	16QAM	100	0	20.30	20.12	20.22					
20	16QAM	100	24	20.25	20.12	20.22					
20	25QAM	1	49	18.00	18.00	18.11				19	5
20	25QAM	1	99	17.98	18.09	17.87					
20	25QAM	50	0	18.07	18.07	18.00					
20	25QAM	50	24	18.11	18.10	18.00					
20	25QAM	50	50	18.07	18.14	18.16				19	5
20	25QAM	100	0	18.07	18.07	18.08					
Time-up (min) MFR (dB)											

Frequency (MHz)											
15	QPSK	1	0	22.96	23.04	22.84					
15	QPSK	1	49	2							



Band 12 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Int. (sec)	MPE (dB)	
Channel				700					
Frequency (MHz)	700			711					
10	QPSK	1	0	23.28	23.27	23.21			
10	QPSK	1	25	23.88	23.18	23.02			
10	QPSK	1	49	23.92	23.08	22.99	24	0	
10	QPSK	25	0	22.90	22.15	22.00			
10	QPSK	25	25	22.92	22.11	22.04	23	1	
10	QPSK	25	25	22.61	22.08	21.94	23	1	
10	QPSK	50	0	22.28	22.14	22.09			
10	QPSK	50	25	22.62	22.05	22.12			
10	16QAM	1	25	22.28	22.17	22.05	23	1	
10	16QAM	1	49	22.03	22.07	21.84			
10	16QAM	25	0	20.98	21.16	21.02			
10	16QAM	25	12	21.07	21.13	21.05	22	2	
10	16QAM	25	25	21.04	21.04	21.01			
10	16QAM	50	0	21.05	21.11	21.10			
10	16QAM	1	0	21.17	21.14	21.16			
10	64QAM	1	25	21.04	21.11	20.98	22	2	
10	64QAM	1	49	20.99	21.02	20.90			
10	64QAM	25	0	20.90	20.11	19.91			
10	64QAM	25	12	19.97	20.12	20.09	21	3	
10	64QAM	25	25	20.02	20.05	19.92			
10	64QAM	50	0	19.99	20.14	20.02			
10	256QAM	1	0	18.42	18.48	18.16			
10	256QAM	1	49	18.05	18.08	17.94	19	5	
10	256QAM	25	0	17.90	18.11	18.04			
10	256QAM	25	12	17.99	18.16	18.02	19	5	
10	256QAM	25	25	18.00	18.03	18.00			
10	256QAM	50	0	18.03	18.09	18.00			
Channel				2305					
Frequency (MHz)	2305			2315					
5	QPSK	1	0	23.02	23.05	22.91			
5	QPSK	1	25	22.84	22.98	22.92	24	0	
5	QPSK	1	24	22.83	22.89	22.86			
5	QPSK	12	0	21.99	22.06	21.92			
5	QPSK	12	7	21.94	22.02	22.01	23	1	
5	QPSK	12	13	22.00	22.02	21.98			
5	QPSK	25	0	21.84	22.06	22.00			
5	16QAM	1	0	21.87	21.91	21.91			
5	16QAM	1	12	21.83	21.88	21.75	23	1	
5	16QAM	1	24	21.89	21.88	21.87			
5	16QAM	12	7	20.97	20.99	20.96	22	2	
5	16QAM	12	7	20.80	20.95	20.78			
5	16QAM	25	0	20.95	21.03	20.87			
5	64QAM	1	0	20.88	20.89	20.92			
5	64QAM	1	12	21.82	21.80	21.78	21	3	
5	64QAM	12	13	20.72	20.91	20.84			
5	64QAM	12	13	19.75	19.91	19.75			
5	64QAM	25	0	19.83	19.95	19.92			
5	256QAM	1	0	17.86	18.00	17.78	19	5	
5	256QAM	1	24	17.77	17.82	17.88			
5	256QAM	12	0	17.80	17.86	17.86			
5	256QAM	12	7	17.92	18.06	17.90			
5	256QAM	12	13	17.90	17.89	17.98			
5	256QAM	25	0	18.04	18.18	18.18			
Channel				2905					
Frequency (MHz)	2905			2915					
14	QPSK	1	0	23.12	23.09	23.02			
14	QPSK	1	5	22.94	22.94	22.92	24	0	
14	QPSK	1	5	22.91	22.87	22.85			
14	QPSK	3	0	22.90	23.00	22.94			
14	QPSK	3	3	22.81	23.01	22.81	23	1	
14	16QAM	1	0	22.90	22.05	22.04			
14	16QAM	1	3	22.03	22.05	22.02	23	1	
14	16QAM	1	3	21.91	22.02	21.89			
14	16QAM	3	0	21.85	22.02	22.01			
14	16QAM	3	1	21.96	22.04	21.95	22	2	
14	16QAM	6	0	20.95	21.08	20.95			
14	64QAM	1	0	20.89	21.01	20.79	22	2	
14	64QAM	1	3	20.89	21.04	21.01			
14	64QAM	3	3	20.89	20.97	20.89	21	3	
14	64QAM	6	0	18.96	18.01	18.93			
14	256QAM	1	0	17.87	17.97	17.80	19	5	
14	256QAM	1	3	17.89	17.89	17.92			
14	256QAM	3	1	17.94	17.80	17.85			
14	256QAM	6	0	18.01	18.07	18.07			

Band 13 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Int. (sec)	MPE (dB)	
Channel				762					
Frequency (MHz)	762			765					
10	QPSK	1	0	23.02	23.07	23.05	24	0	
10	QPSK	1	25	23.01	23.07	23.05			
10	QPSK	1	49	23.01	23.01	23.01			
10	QPSK	25	0	22.13	22.03	22.03	23	1	
10	QPSK	25	25	22.08	22.03	22.03			
10	QPSK	50	0	22.17	22.08	22.03			
10	QPSK	50	25	22.19	22.10	21.99			
10	16QAM	1	25	21.99	22.10	21.99	23	1	
10	16QAM	1	49	22.02	21.98	21.98			
10	16QAM	25	0	21.96	21.98	21.98	22	2	
10	16QAM	25	12	21.97	21.97	21.95			
10	16QAM	25	25	21.13	21.13	21.13			
10	64QAM	1	0	21.90	21.98	21.95	22	2	
10	64QAM	1	25	20.96	21.08	20.96			
10	64QAM	25	0	20.95	21.09	20.95	21	3	
10	64QAM	25	12	19.96	20.10	20.06			
10	64QAM	25	25	20.00	20.00	20.00			
10	256QAM	1	0	18.04	18.04	18.04	19	5	
10	256QAM	1	49	18.05	18.05	18.05			
10	256QAM	25	0	18.12	18.26	18.17			
10	256QAM	25	12	18.12	18.31	18.26	19	5	
10	256QAM	25	25	18.03	18.21	18.15			
10	256QAM	50	0	18.10	18.24	18.20			
Channel				2305					
Frequency (MHz)	2305			2315					
5	QPSK	1	0	22.92	23.05	22.91			
5	QPSK	1	12	22.84	22.98	22.92	24	0	
5	QPSK	1	24	22.83	22.89	22.86			
5	QPSK	12	0	21.99	22.06	21.92			
5	QPSK	12	7	21.94	22.02	22.01	23	1	
5	QPSK	12	13	22.00	22.02	21.98			
5	QPSK	25	0	21.84	22.06	22.00			
5	16QAM	1	0	21.87	21.91	21.91			
5	16QAM	1	12	21.83	21.88	21.75	23	1	
5	16QAM	1	24	21.89	21.88	21.87			
5	16QAM	12	7	20.97	20.99	20.96	22	2	
5	16QAM	12	7	20.80	20.95	20.78			
5	16QAM	25	0	20.95	21.03	20.87			
5	64QAM	1	0	20.88	20.89	20.92			
5	64QAM	1	12	21.82	21.80	21.78	21	3	
5	64QAM	12	13	20.72	20.91	20.84			
5	64QAM	12	13	19.75	19.91	19.75			
5	64QAM	25	0	19.83	19.95	19.92			
5	256QAM	1	0	17.86	18.00	17.78	19	5	
5	256QAM	1	24	17.77	17.82	17.88			
5	256QAM	12	0	17.80	17.86	17.86			
5	256QAM	12	7	17.92	18.06	17.90			
5	256QAM	12	13	17.90	17.89	17.98			
5	256QAM	25	0	18.04	18.18	18.18			
Channel				2905					
Frequency (MHz)	2905			2915					
14	QPSK	1	0	23.12	23.09	23.02			
14	QPSK	1	5	22.94	22.94	22.92	24	0	
14	QPSK	1	5	22.91	22.87	22.85			
14	QPSK	3	0	22.90	23.00	22.94			
14	QPSK	3	3	22.81	23.01	22.81	23	1	
14	16QAM	1	0	22.90	22.05	22.04			
14	16QAM	1	3	22.03	22.05	22.02	23	1	
14	16QAM	1	3	21.91	22.02	21.89			
14	16QAM	3	0	21.85	22.02	22.01			
14	16QAM	3	1	21.96	22.04	21.95	22	2	
14	16QAM	6	0	20.95	21.08	20.95			
14	64QAM	1	0	20.89	21.01	20.79	22	2	
14	64QAM	1	3	20.89	21.04	21.01			
14	64QAM	3	3	20.89	20.97	20.89	21	3	
14	64QAM	6	0	18.96	18.01	18.93			
14	256QAM	1	0	17.87	17.97	17.80	19	5	
14	256QAM	1	3	17.89	17.89	17.92			
14	256QAM	3	1	17.94	17.80	17.85			
14	256QAM	6	0	18.01	18.07	18.07			

Band 17 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Int. (sec)	MPE (dB)	
Channel				762					
Frequency (MHz)	762			765					
10	QPSK	1	0	23.10	23.19	23.16	24	0	
10	QPSK	1	25	23.12	23.11	23.07			
10	QPSK	1	49	23.09	23.12	23.05			
10	QPSK	25	0	22.27	22.34	22.21			
10	QPSK	25	25	22.13	22.22	22.12	23	1	
10	QPSK	50	0	22.23	22.28	22.24			
10	QPSK	50	25	22.18	22.21	22.09			
10	16QAM	1	25	21.99	22.10	21.99	23	1	
10	16QAM	1	49	22.02	22.22	22.16			



Band 26 Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Tune-up (dB)	MRR (dB)				
Channel												
Frequency (MHz)												
				811.5	811.5	841.5						
15	QPSK	1	0	22.61	22.51	22.97	24	0				
15	QPSK	1	37	22.73	22.82	22.82						
15	QPSK	1	74	22.88	22.83	22.87						
15	QPSK	36	0	21.86	21.96	21.81						
15	QPSK	36	20	21.82	21.93	21.79						
15	QPSK	36	36	21.79	21.91	21.82	23	1				
15	QPSK	72	0	21.85	22.03	21.88						
15	QPSK	72	15	21.90	22.01	21.96						
15	HDQAM	1	37	21.88	21.80	21.74	23	1				
15	HDQAM	1	74	21.89	21.93	21.85						
15	HDQAM	36	0	20.84	20.94	20.83						
15	HDQAM	36	20	20.82	20.94	20.83	22	2				
15	HDQAM	36	36	20.77	20.95	20.83						
15	HDQAM	72	0	21.82	21.90	20.89						
15	HDQAM	72	15	20.91	21.03	20.93						
15	HDQAM	1	37	20.86	20.92	20.76	22	2				
15	HDQAM	1	74	20.85	20.88	20.86						
15	HDQAM	36	0	19.87	20.01	19.89						
15	HDQAM	36	20	19.82	19.93	19.87						
15	HDQAM	36	36	19.78	19.96	19.97	21	3				
15	HDQAM	72	0	19.90	19.94	19.86						
15	HDQAM	72	15	19.74	19.78	19.78	19	5				
15	256QAM	1	37	17.74	17.79	17.78						
15	256QAM	1	74	17.89	17.96	17.92						
15	256QAM	36	0	17.87	17.90	17.84						
15	256QAM	36	20	17.79	17.97	17.85	19	5				
15	256QAM	36	36	17.83	17.89	17.83						
15	256QAM	72	0	17.81	18.05	17.87						
Channel												
10	QPSK	1	0	22.70	22.93	22.91	24	0				
10	QPSK	1	37	22.63	22.70	22.81						
10	QPSK	1	74	22.78	22.93	22.90						
10	QPSK	36	0	21.71	21.83	21.75						
10	QPSK	36	12	21.74	21.85	21.71						
10	QPSK	36	24	21.68	21.78	21.77	23	1				
10	HDQAM	1	37	21.81	21.87	21.81						
10	HDQAM	1	74	21.74	21.86	21.81	23	1				
10	HDQAM	36	0	20.76	20.84	20.79						
10	HDQAM	36	12	20.68	20.81	20.79	22	2				
10	HDQAM	36	24	20.75	20.85	20.79						
10	HDQAM	50	0	20.98	20.95	20.77						
10	HDQAM	1	0	20.77	20.93	20.85	22	2				
10	HDQAM	1	24	20.76	20.78	20.81						
10	HDQAM	1	49	20.73	20.78	20.81						
10	HDQAM	36	0	19.80	19.95	19.84						
10	HDQAM	36	12	19.83	19.87	19.85						
10	HDQAM	36	24	19.82	19.81	19.79	21	3				
10	HDQAM	50	0	19.85	19.87	19.79						
10	256QAM	1	0	17.75	17.80	17.74						
10	256QAM	1	25	17.64	17.66	17.67	19	5				
10	256QAM	1	49	17.74	17.83	17.83						
10	256QAM	36	0	17.84	17.84	17.84						
10	256QAM	36	12	17.75	17.89	17.74	19	5				
10	256QAM	36	24	17.78	17.77	17.79						
10	256QAM	50	0	17.81	18.01	17.87						
Channel												
5	QPSK	1	0	22.84	22.84	22.81	24	0				
5	QPSK	1	12	22.83	22.73	22.72						
5	QPSK	1	24	22.80	22.80	22.81						
5	QPSK	36	0	21.86	21.89	21.79						
5	QPSK	36	12	21.88	21.87	21.79	23	1				
5	QPSK	36	24	21.89	21.84	21.79						
5	HDQAM	1	0	21.83	21.87	21.89						
5	HDQAM	1	12	21.75	21.69	21.66	23	1				
5	HDQAM	1	24	21.80	21.79	21.81						
5	HDQAM	12	0	20.70	20.82	20.79						
5	HDQAM	12	7	20.69	20.85	20.74	22	2				
5	HDQAM	12	13	20.70	20.87	20.76						
5	HDQAM	26	0	20.87	20.86	20.77						
5	HDQAM	1	0	20.77	20.91	20.86	22	2				
5	HDQAM	1	12	20.84	20.87	20.86						
5	HDQAM	1	24	20.71	20.74	20.81						
5	HDQAM	12	0	19.83	19.89	19.79						
5	HDQAM	12	7	19.87	19.88	19.86						
5	HDQAM	12	13	19.71	19.82	19.88	21	3				
5	HDQAM	26	0	19.84	19.89	19.71						
5	256QAM	1	0	17.78	17.80	17.80						
5	256QAM	1	12	17.71	17.75	17.72	19	5				
5	256QAM	1	24	17.77	17.90	17.79						
5	256QAM	36	0	17.75	17.80	17.81						
5	256QAM	36	12	17.67	17.82	17.74	19	5				
5	256QAM	36	24	17.80	17.83	17.76						
5	256QAM	50	0	17.82	17.85	17.81						
Channel												
3	QPSK	1	0	22.87	22.88	22.85	24	0				
3	QPSK	1	8	22.59	22.72	22.88						
3	QPSK	1	14	22.83	22.84	22.77						
3	QPSK	36	0	21.85	21.88	21.78						
3	QPSK	36	7	21.89	21.84	21.77	23	1				
3	QPSK	36	14	21.89	21.85	21.78						
3	HDQAM	1	0	21.80	21.92	21.81						
3	HDQAM	1	8	21.76	21.65	21.68	23	1				
3	HDQAM	1	14	21.76	21.79	21.72						
3	HDQAM	8	0	20.72	20.86	20.76						
3	HDQAM	8	4	20.76	20.92	20.69	22	2				
3	HDQAM	8	7	20.82	20.88	20.78						
3	HDQAM	16	0	20.88	20.89	20.75						
3	HDQAM	1	0	20.80	20.96	20.81						
3	HDQAM	1	8	20.81	20.77	20.69	22	2				
3	HDQAM	1	14	20.82	20.85	20.75						
3	HDQAM	8	0	19.76	19.86	19.75						
3	HDQAM	8	4	19.77	19.84	19.72						
3	HDQAM	8	7	19.75	19.82	19.74	21	3				
3	HDQAM	16	0	19.82	19.88	19.80						
3	256QAM	1	0	17.76	17.88	17.86						
3	256QAM	1	8	17.65	17.65	17.69	19	5				
3	256QAM	1	14	17.79	17.89	17.80						
3	256QAM	36	0	17.81	17.83	17.81						
3	256QAM	36	4	17.71	17.94	17.85	19	5				
3	256QAM	36	7	17.77	17.77	17.76						
3	256QAM	50	0	17.86	17.88	17.78						
Channel												
1.4	QPSK	1	0	22.72	22.85	22.85	24	0				
1.4	QPSK	1	3	22.69	22.75	22.88						
1.4	QPSK	1	5	22.75	22.85	22.82						
1.4	QPSK	36	0	22.73	22.88	22.72						
1.4	QPSK	36	1	22.65	22.86	22.75						
1.4	QPSK	36	3	22.73	22.81	22.72	23	1				
1.4	HDQAM	1	0	21.81	21.98	21.85						
1.4	HDQAM	1	3	21.79	21.93	21.82						
1.4	HDQAM	1	3	21.72	21.75	21.88	23	1				
1.4	HDQAM	1	5	21.85	21.88	21.80						
1.4	HDQAM	3	0	21.77	21.83	21.73						
1.4	HDQAM	3	1	21.68	21.79	21.74						
1.4	HDQAM	3	5	21.69	21.85	21.73						
1.4	HDQAM	6	0	20.88	20.88	20.73	22	2				
1.4	HDQAM	1	0	20.76	20.92	20.82						
1.4	HDQAM	1	3	20.79	20.70	20.68						
1.4	HDQAM	1	6	20.72	20.85	20.74	22	2				
1.4	HDQAM	3	0	20.75	20.86	20.78						
1.4	HDQAM	3	3	20.71	20.91	20.70						
1.4	HDQAM	6	0	19.89	19.88	19.83	21	3				
1.4	256QAM	1	0	17.77	17.90	17.87						
1.4	256QAM	1	3	17.81	17.70	17.72						
1.4	256QAM	36	0	17.84	17.88	17.89						
1.4	256QAM	36	3	17.74	17.93	17.76	19	5				
1.4	256QAM	3	0	17.74	17.80	17.80						
1.4	256QAM	3	1	17.74	17.84	17.80						
1.4	256QAM	3	3	17.76	17.77	17.76						
1.4	256QAM	6	0	17.84	18.03	17.80	19	5				

Band 66 Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Tune-up (dB)	MRR (dB)			
Channel											
Frequency (MHz)											



Band 38 Ant0

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Contains 100 rows of channel data for Band 38 Ant0.

Band 38 HPUE Ant0

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Contains 100 rows of channel data for Band 38 HPUE Ant0.



Band 41 Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel												
	Frequency (MHz)			39750	40185	40620	41055	41490				
	2506	2549.5	2593	2636.5	2680							
20	QPSK	1	0	22.98	23.14	23.27	23.23	23.25	24	0		
20	QPSK	1	49	22.93	22.88	23.02	22.93	22.95				
20	QPSK	1	99	22.98	23.00	23.10	23.03	23.01				
20	QPSK	50	0	22.04	22.05	22.15	22.07	22.11				
20	QPSK	50	24	22.00	22.05	22.12	22.03	22.04				
20	QPSK	50	50	21.94	21.97	22.07	22.03	21.93	23	1		
20	QPSK	100	0	22.03	22.05	22.16	22.07	22.08				
20	16QAM	1	0	21.99	22.00	22.27	22.19	22.26				
20	16QAM	1	49	21.92	21.85	22.01	21.96	21.99				
20	16QAM	1	99	22.04	21.98	22.07	22.01	22.07				
20	16QAM	50	0	21.05	21.12	21.15	21.04	21.17	22	2		
20	16QAM	50	24	20.98	21.02	21.09	21.09	21.06				
20	16QAM	50	50	20.96	20.93	21.08	21.05	20.97				
20	16QAM	100	0	21.02	21.00	21.13	21.07	21.11				
20	64QAM	1	0	20.94	21.21	21.23	21.26	21.13				
20	64QAM	1	49	20.96	20.91	21.07	20.92	20.90	22	2		
20	64QAM	1	99	20.95	21.00	21.17	21.00	21.08				
20	64QAM	50	0	20.06	20.08	20.21	20.14	20.17				
20	64QAM	50	24	19.98	20.11	20.17	20.00	20.00				
20	64QAM	50	50	19.98	19.97	20.08	20.02	19.93				
20	64QAM	100	0	20.08	20.11	20.22	20.14	20.10	21	3		
20	256QAM	1	0	17.96	18.05	18.19	18.15	18.14				
20	256QAM	1	49	17.94	17.88	18.01	17.94	17.94				
20	256QAM	1	99	17.97	17.99	18.09	18.02	17.98				
20	256QAM	50	0	18.02	18.04	18.07	18.04	18.02				
20	256QAM	50	24	18.01	18.02	18.05	17.94	18.02	19	5		
20	256QAM	50	50	17.87	17.95	18.09	17.96	17.93				
20	256QAM	100	0	18.03	18.02	18.15	18.01	18.08				
Channel												
	Frequency (MHz)			39725	40173	40620	41068	41515				
	2503.5	2548.3	2593	2637.8	2682.5							
15	QPSK	1	0	22.88	23.10	23.15	23.14	23.21	24.00	0		
15	QPSK	1	37	22.87	22.83	22.90	22.82	22.83				
15	QPSK	1	74	22.94	22.92	22.97	22.96	22.93				
15	QPSK	36	0	21.90	21.92	22.05	21.92	22.07				
15	QPSK	36	20	21.87	22.00	22.08	21.98	22.01				
15	QPSK	36	39	21.84	21.91	22.02	21.89	21.83	23	1		
15	QPSK	75	0	21.98	22.00	22.11	22.00	21.98				
15	16QAM	1	0	21.86	22.06	22.21	22.15	22.11				
15	16QAM	1	37	21.77	21.73	21.98	21.87	21.94				
15	16QAM	1	74	21.91	21.89	21.98	21.91	22.02				
15	16QAM	36	0	20.98	21.04	21.10	20.93	21.02	22	2		
15	16QAM	36	20	20.91	20.92	21.00	20.97	20.95				
15	16QAM	36	39	20.88	20.83	21.02	20.96	20.92				
15	16QAM	75	0	20.90	20.91	21.03	21.01	20.97				
15	16QAM	75	0	20.90	21.14	21.12	21.11	21.04				
15	64QAM	1	37	20.86	20.88	20.95	20.89	20.81	22	2		
15	64QAM	1	74	20.90	20.97	21.11	20.88	20.97				
15	64QAM	36	0	20.02	20.00	20.11	20.06	20.10				
15	64QAM	36	20	19.92	20.06	20.05	19.94	19.93				
15	64QAM	36	39	19.89	19.87	19.97	19.94	19.81				
15	64QAM	75	0	19.99	19.99	20.15	20.08	20.03	21	3		
15	256QAM	1	0	17.85	17.94	18.08	18.03	18.07				
15	256QAM	1	37	17.79	17.76	17.87	17.87	17.89				
15	256QAM	1	74	17.92	17.90	17.94	17.90	17.92				
15	256QAM	36	0	17.91	17.98	17.99	17.95	17.97				
15	256QAM	36	20	17.94	17.93	17.90	17.90	17.90	19	5		
15	256QAM	36	39	17.80	17.84	17.96	17.83	17.98				
15	256QAM	75	0	17.90	17.95	18.02	17.92	18.00				
Channel												
	Frequency (MHz)			39700	40160	40620	41080	41540				
	2501	2547	2593	2639	2685							
10	QPSK	1	0	22.85	23.09	23.15	23.11	23.15	24.00	0		
10	QPSK	1	25	22.86	22.79	22.98	22.87	22.81				
10	QPSK	1	49	22.91	22.85	22.97	22.90	22.91				
10	QPSK	25	0	21.93	22.00	22.06	22.04	22.06				
10	QPSK	25	12	21.85	21.93	22.09	21.91	21.98				
10	QPSK	25	25	21.90	21.92	21.94	21.98	21.89	23	1		
10	QPSK	50	0	21.95	21.99	22.11	21.96	22.00				
10	16QAM	1	0	21.93	22.02	22.19	22.09	22.14				
10	16QAM	1	25	21.79	21.79	21.91	21.86	21.94				
10	16QAM	1	49	21.94	21.86	21.99	21.90	21.92				
10	16QAM	25	0	20.95	20.97	21.10	20.90	21.12	22	2		
10	16QAM	25	12	20.94	20.97	21.00	20.97	20.97				
10	16QAM	25	25	20.97	20.90	21.03	20.95	20.91				
10	16QAM	50	0	20.99	20.91	21.00	20.98	21.03				
10	64QAM	1	0	20.80	21.12	21.12	21.22	21.05				
10	64QAM	1	25	20.91	20.78	20.96	20.80	20.86	22	2		
10	64QAM	1	49	20.89	20.95	21.11	20.85	20.95				
10	64QAM	25	0	19.99	20.02	20.11	20.00	20.10				
10	64QAM	25	12	19.84	19.98	20.05	19.93	19.92				
10	64QAM	25	25	19.83	19.93	20.03	19.96	19.90				
10	64QAM	50	0	19.96	20.00	20.17	19.99	20.01	21	3		
10	256QAM	1	0	17.91	18.00	18.05	18.03	18.09				
10	256QAM	1	25	17.86	17.79	17.92	17.82	17.80				
10	256QAM	1	49	17.89	17.84	17.97	17.89	17.85				
10	256QAM	25	0	17.89	17.93	17.94	17.92	17.95				
10	256QAM	25	12	17.94	17.95	17.98	17.87	17.98	19	5		
10	256QAM	25	25	17.79	17.82	17.96	17.88	17.86				
10	256QAM	50	0	17.97	17.98	18.06	17.87	18.03				
Channel												
	Frequency (MHz)			39675	40148	40620	41093	41655				
	2498.5	2545.8	2593	2640.30	2687.5							
5	QPSK	1	0	22.95	23.08	23.18	23.18	23.22	24.00	0		
5	QPSK	1	12	22.85	22.77	22.88	22.84	22.82				
5	QPSK	1	24	22.84	22.88	22.96	22.97	22.89				
5	QPSK	12	0	21.98	21.96	22.10	21.92	21.99				
5	QPSK	12	7	21.96	22.01	22.04	21.95	21.94				
5	QPSK	12	13	21.86	21.86	22.02	21.96	21.81	23	1		
5	QPSK	25	0	21.97	22.00	22.09	22.03	22.05				
5	16QAM	1	0	21.91	21.95	22.22	22.07	22.19				
5	16QAM	1	12	21.85	21.83	21.86	21.85	21.86				
5	16QAM	1	24	21.93	21.92	21.92	21.97	21.93				
5	16QAM	12	0	20.97	21.02	21.11	20.99	21.08	22	2		
5	16QAM	12	7	20.84	20.90	21.01	20.97	20.96				
5	16QAM	12	13	20.87	20.89	20.93	21.00	20.83				
5	16QAM	25	0	20.94	20.95	21.03	20.96	21.08				
5	64QAM	1	0	20.80	21.17	21.20	21.20	20.99				
5	64QAM	1	12	20.87	20.81	20.95	20.81	20.80	22	2		
5	64QAM	1	24	20.85	20.97	21.06	20.85	20.93				
5	64QAM	12	0	20.02	19.96	20.08	20.00	20.10				
5	64QAM	12	7	19.85	20.05	20.12	19.97	19.90				
5	64QAM	12	13	19.90	19.92	20.03	19.98	19.90				
5	64QAM	25	0	20.00	20.01	20.12	20.04	20.03	21	3		
5	256QAM	1	0	17.83	17.92	18.04	18.06	18.08				
5	256QAM	1	12	17.88	17.75	17.87	17.85	17.90				
5	256QAM	1	24	17.88	17.86	18.01	17.93	17.91				
5	256QAM	12	0	17.96	17.92	18.01	17.96	17.89				
5	256QAM	12	7	17.97	17.92	17.98	17.83	17.94	19	5		
5	256QAM	12	13	17.82	17.83	18.00	17.86	17.78				
5	256QAM	25	0	18.00	17.97	18.01	17.96	17.96				

Band 41 HPUE Ant0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.
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Band 5 ENDC Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600	22.3	0		
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	21.56	21.62	21.54	22.3	0		
10	QPSK	1	25	21.50	21.58	21.48				
10	QPSK	1	49	21.56	21.58	21.49				
10	QPSK	25	0	21.39	21.60	21.44	22.3	0		
10	QPSK	25	12	21.44	21.46	21.32				
10	QPSK	25	25	21.48	21.58	21.41				
10	QPSK	50	0	21.49	21.52	21.47				
10	16QAM	1	0	21.36	21.52	21.56				
10	16QAM	1	25	21.56	21.54	21.37	22.3	0		
10	16QAM	1	49	21.50	21.55	21.39				
10	16QAM	25	0	21.22	21.38	21.22				
10	16QAM	25	12	21.30	21.18	21.20	22	0.3		
10	16QAM	25	25	21.30	21.30	21.14				
10	16QAM	50	0	21.26	21.27	21.27				
10	64QAM	1	0	21.29	21.36	21.17				
10	64QAM	1	25	21.09	21.17	21.10				
10	64QAM	1	49	21.15	21.38	21.23	21	1.3		
10	64QAM	25	0	20.15	20.36	20.30				
10	64QAM	25	12	20.27	20.25	20.35				
10	64QAM	25	25	20.29	20.24	20.14	19	3.3		
10	64QAM	50	0	20.34	20.27	20.23				
10	256QAM	1	0	18.31	18.29	18.26				
10	256QAM	1	25	18.28	18.28	18.10				
10	256QAM	1	49	18.31	18.27	18.27				
10	256QAM	25	0	18.30	18.23	18.15	19	3.3		
10	256QAM	25	12	18.19	18.23	18.16				
10	256QAM	25	25	18.31	18.24	18.16				
10	256QAM	50	0	18.17	18.38	18.29				
Channel				20425	20525	20625			22.3	0
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	21.45	21.61	21.34	22.3	0		
5	QPSK	1	12	21.34	21.53	21.35				
5	QPSK	1	24	21.44	21.60	21.51				
5	QPSK	12	0	21.40	21.48	21.44	22.3	0		
5	QPSK	12	7	21.26	21.40	21.32				
5	QPSK	12	13	21.29	21.37	21.31				
5	QPSK	25	0	21.50	21.51	21.30				
5	16QAM	1	0	21.33	21.34	21.39				
5	16QAM	1	12	21.41	21.52	21.36	22.3	0		
5	16QAM	1	24	21.46	21.44	21.40				
5	16QAM	12	0	21.03	21.38	21.17				
5	16QAM	12	7	21.25	21.11	21.04	22	0.3		
5	16QAM	12	13	21.22	21.30	20.99				
5	16QAM	25	0	21.20	21.13	21.19				
5	64QAM	1	0	21.18	21.22	21.07				
5	64QAM	1	12	21.10	20.95	21.10				
5	64QAM	1	24	20.94	21.29	21.16	22	0.3		
5	64QAM	12	0	20.16	20.18	20.30				
5	64QAM	12	7	20.27	20.26	20.26				
5	64QAM	12	13	20.20	20.12	19.97	21	1.3		
5	64QAM	25	0	20.12	20.10	20.03				
5	256QAM	1	0	18.22	18.12	18.06				
5	256QAM	1	12	18.27	18.09	18.02	19	3.3		
5	256QAM	1	24	18.33	18.09	18.07				
5	256QAM	12	0	18.18	18.02	18.08				
5	256QAM	12	7	17.98	18.22	17.99				
5	256QAM	12	13	18.13	18.07	18.02				
5	256QAM	25	0	17.98	18.16	18.29				
Channel				20415	20525	20635	22.3	0		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	21.42	21.58	21.50	22.3	0		
3	QPSK	1	8	21.38	21.57	21.27				
3	QPSK	1	14	21.46	21.54	21.28				
3	QPSK	8	0	21.18	21.54	21.25	22.3	0		
3	QPSK	8	4	21.44	21.32	21.29				
3	QPSK	8	7	21.29	21.55	21.21				
3	QPSK	15	0	21.29	21.42	21.35				
3	16QAM	1	0	21.31	21.32	21.38				
3	16QAM	1	8	21.45	21.43	21.17	22.3	0		
3	16QAM	1	14	21.49	21.54	21.34				
3	16QAM	8	0	21.04	21.17	21.12				
3	16QAM	8	4	21.10	20.99	21.02	22	0.3		
3	16QAM	8	7	21.29	21.20	21.09				
3	16QAM	15	0	21.20	21.15	21.28				
3	64QAM	1	0	21.19	21.15	21.18				
3	64QAM	1	8	21.04	21.09	21.08				
3	64QAM	1	14	21.04	21.33	21.04	21	1.3		
3	64QAM	8	0	20.04	20.36	20.18				
3	64QAM	8	4	20.07	20.24	20.25				
3	64QAM	8	7	20.19	20.08	19.96	19	3.3		
3	64QAM	15	0	20.28	20.27	20.19				
3	256QAM	1	0	18.12	18.24	18.04				
3	256QAM	1	8	18.17	18.11	17.98				
3	256QAM	1	14	18.17	18.23	18.23				
3	256QAM	8	0	18.18	18.24	18.04	19	3.3		
3	256QAM	8	4	18.11	18.11	18.14				
3	256QAM	8	7	18.11	18.09	18.14				
3	256QAM	15	0	18.10	18.31	18.14				
Channel				20407	20525	20643	22.3	0		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	21.57	21.50	21.36	22.3	0		
1.4	QPSK	1	3	21.48	21.52	21.32				
1.4	QPSK	1	5	21.44	21.39	21.38				
1.4	QPSK	3	0	21.41	21.55	21.34	22.3	0		
1.4	QPSK	3	1	21.36	21.33	21.11				
1.4	QPSK	3	3	21.49	21.44	21.40				
1.4	QPSK	6	0	21.28	21.33	21.28				
1.4	16QAM	1	0	21.26	21.34	21.38				
1.4	16QAM	1	3	21.50	21.55	21.28	22.3	0		
1.4	16QAM	1	5	21.40	21.49	21.39				
1.4	16QAM	3	0	21.17	21.27	21.06				
1.4	16QAM	3	1	21.19	21.20	21.13	22	0.3		
1.4	16QAM	3	3	21.27	21.08	21.15				
1.4	16QAM	6	0	21.25	21.26	21.18				
1.4	64QAM	1	0	21.14	21.22	21.11	22	0.3		
1.4	64QAM	1	3	21.09	21.18	21.04				
1.4	64QAM	1	5	21.11	21.29	21.24				
1.4	64QAM	3	0	20.08	20.23	20.23	21	1.3		
1.4	64QAM	3	1	20.18	20.12	20.26				
1.4	64QAM	3	3	20.08	20.11	20.05				
1.4	64QAM	6	0	20.33	20.18	20.08				
1.4	256QAM	1	0	18.32	18.22	18.24				
1.4	256QAM	1	3	18.25	18.23	18.03	19	3.3		
1.4	256QAM	1	5	18.17	18.13	18.22				
1.4	256QAM	3	0	18.32	18.15	18.02				
1.4	256QAM	3	1	18.13	18.21	18.07				
1.4	256QAM	3	3	18.20	18.12	18.14				
1.4	256QAM	6	0	18.12	18.37	18.28	19	3.3		

Band 7 ENDC Ant1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350	17.5	0		
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	16.32	16.34	16.21	17.5	0		
20	QPSK	1	49	16.28	16.29	16.10				
20	QPSK	1	99	16.24	16.32	16.15				
20	QPSK	50	0	16.17	16.32	16.12	17.5	0		
20	QPSK	50	24	16.31	16.12	16.11				
20	QPSK	50	50	16.12	16.25	16.12				
20	QPSK	100	0	16.23	16.30	16.13				
20	16QAM	1	0	16.17	16.12	16.21				
20	16QAM	1	49	16.29	16.09	15.96	17.5	0		
20	16QAM	1	99	16.10	16.21	16.13				
20	16QAM	50	0	16.06	16.09	16.05				
20	16QAM	50	24	16.20	16.11	16.00	17.5	0		
20	16QAM	50	50	15.91	16.21	16.13				
20	16QAM	100	0	16.12	16.09	16.11				
20	64QAM	1	0	16.27	16.13	16.12				
20	64QAM	1	49	16.23	16.12	15.94				
20	64QAM	1	99	16.06	16.31	16.03	17.5	0		
20	64QAM	50	0	16.16	16.04	15.96				
20	64QAM	50	24	16.24	16.11					



Band 42 FCCAnt2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	19.80	19.84	19.78	20.4	0
20	QPSK	1	49	19.82	19.78	19.72		
20	QPSK	1	99	19.62	19.71	19.79		
20	QPSK	50	0	19.76	19.82	19.68	20.4	0
20	QPSK	50	24	19.65	19.81	19.65		
20	QPSK	50	50	19.76	19.62	19.78		
20	QPSK	100	0	19.67	19.69	19.58	20.4	0
20	16QAM	1	0	19.65	19.60	19.73		
20	16QAM	1	49	19.71	19.66	19.52		
20	16QAM	1	99	19.43	19.67	19.61	20.4	0
20	16QAM	50	0	19.74	19.52	19.40		
20	16QAM	50	24	19.60	19.66	19.63		
20	16QAM	50	50	19.69	19.59	19.68	20.4	0
20	16QAM	100	0	19.66	19.54	19.57		
20	64QAM	1	0	19.75	19.83	19.76		
20	64QAM	1	49	19.75	19.68	19.72	20.4	0
20	64QAM	1	99	19.55	19.57	19.74		
20	64QAM	50	0	19.68	19.33	19.58		
20	64QAM	50	24	19.58	19.79	19.44	20.4	0
20	64QAM	50	50	19.66	19.54	19.78		
20	64QAM	100	0	19.49	19.53	19.54		
20	256QAM	1	0	18.40	18.44	18.35	19	1.4
20	256QAM	1	49	18.31	18.26	18.33		
20	256QAM	1	99	18.19	18.38	18.30		
20	256QAM	50	0	18.33	18.05	18.07	19	1.4
20	256QAM	50	24	18.14	18.47	18.14		
20	256QAM	50	50	18.27	18.19	18.28		
20	256QAM	100	0	18.38	18.33	18.07		
Channel				42165	42590	43015		
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	19.78	19.83	19.58	20.4	0
15	QPSK	1	37	19.80	19.67	19.62		
15	QPSK	1	74	19.47	19.71	19.81		
15	QPSK	36	0	19.70	19.39	19.57	20.4	0
15	QPSK	36	20	19.47	19.75	19.56		
15	QPSK	36	39	19.55	19.41	19.58		
15	QPSK	75	0	19.50	19.56	19.55	20.4	0
15	16QAM	1	0	19.54	19.66	19.68		
15	16QAM	1	37	19.70	19.65	19.49		
15	16QAM	1	74	19.25	19.52	19.53	20.4	0
15	16QAM	36	0	19.52	19.46	19.39		
15	16QAM	36	20	19.40	19.62	19.58		
15	16QAM	36	39	19.64	19.57	19.56	20.4	0
15	16QAM	75	0	19.48	19.47	19.43		
15	64QAM	1	0	19.61	19.81	19.69		
15	64QAM	1	37	19.72	19.50	19.61	20.4	0
15	64QAM	1	74	19.43	19.57	19.58		
15	64QAM	36	0	19.68	19.22	19.38		
15	64QAM	36	20	19.38	19.64	19.32	20.4	0
15	64QAM	36	39	19.60	19.40	19.60		
15	64QAM	75	0	19.44	19.34	19.32		
15	256QAM	1	0	18.35	18.29	18.24	19	1.4
15	256QAM	1	37	18.23	18.22	18.20		
15	256QAM	1	74	18.14	18.26	18.11		
15	256QAM	36	0	18.15	17.87	17.99	19	1.4
15	256QAM	36	20	17.98	18.32	18.14		
15	256QAM	36	39	18.09	18.08	18.19		
15	256QAM	75	0	18.32	18.33	18.02		
Channel				42140	42590	43040		
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	19.73	19.68	19.70	20.4	0
10	QPSK	1	25	19.77	19.68	19.59		
10	QPSK	1	49	19.63	19.61	19.80		
10	QPSK	25	0	19.63	19.51	19.39	20.4	0
10	QPSK	25	12	19.63	19.75	19.47		
10	QPSK	25	25	19.77	19.47	19.66		
10	QPSK	50	0	19.49	19.48	19.53	20.4	0
10	16QAM	1	0	19.44	19.63	19.75		
10	16QAM	1	25	19.67	19.67	19.42		
10	16QAM	1	49	19.39	19.55	19.51	20.4	0
10	16QAM	25	0	19.71	19.30	19.31		
10	16QAM	25	12	19.51	19.45	19.43		
10	16QAM	25	25	19.52	19.56	19.64	20.4	0
10	16QAM	50	0	19.56	19.52	19.51		
10	64QAM	1	0	19.66	19.62	19.76		
10	64QAM	1	25	19.65	19.47	19.68	20.4	0
10	64QAM	1	49	19.44	19.40	19.59		
10	64QAM	25	0	19.66	19.29	19.59		
10	64QAM	25	12	19.50	19.63	19.46	20.4	0
10	64QAM	25	25	19.64	19.41	19.60		
10	64QAM	50	0	19.37	19.51	19.32		
10	256QAM	1	0	18.42	18.28	18.30	19	1.4
10	256QAM	1	25	18.27	18.23	18.16		
10	256QAM	1	49	17.98	18.20	18.11		
10	256QAM	25	0	18.20	17.99	17.86	19	1.4
10	256QAM	25	12	18.14	18.36	18.07		
10	256QAM	25	25	18.21	18.05	18.23		
10	256QAM	50	0	18.35	18.20	17.94		
Channel				42115	42590	43065		
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	19.82	19.80	19.56	20.4	0
5	QPSK	1	12	19.71	19.60	19.54		
5	QPSK	1	24	19.48	19.52	19.62		
5	QPSK	12	0	19.73	19.32	19.54	20.4	0
5	QPSK	12	7	19.64	19.66	19.50		
5	QPSK	12	13	19.55	19.56	19.68		
5	QPSK	25	0	19.61	19.51	19.43	20.4	0
5	16QAM	1	0	19.65	19.71	19.67		
5	16QAM	1	12	19.66	19.49	19.52		
5	16QAM	1	24	19.40	19.65	19.55	20.4	0
5	16QAM	12	0	19.70	19.36	19.27		
5	16QAM	12	7	19.55	19.63	19.59		
5	16QAM	12	13	19.56	19.43	19.48	20.4	0
5	16QAM	25	0	19.60	19.56	19.43		
5	64QAM	1	0	19.67	19.63	19.71		
5	64QAM	1	12	19.74	19.65	19.55	20.4	0
5	64QAM	1	24	19.34	19.56	19.58		
5	64QAM	12	0	19.65	19.33	19.51		
5	64QAM	12	7	19.41	19.66	19.24	20.4	0
5	64QAM	12	13	19.53	19.33	19.74		
5	64QAM	25	0	19.32	19.53	19.54		
5	256QAM	1	0	18.41	18.40	18.22	19	1.4
5	256QAM	1	12	18.27	18.27	18.13		
5	256QAM	1	24	18.12	18.16	18.24		
5	256QAM	12	0	18.11	17.98	17.88	19	1.4
5	256QAM	12	7	17.97	18.36	18.00		
5	256QAM	12	13	18.26	18.03	18.06		
5	256QAM	25	0	18.24	18.30	18.00		



Reduced Power Mode for WWAN DSI 2-Simultaneous

GSM850 Ant0	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)								
GSM 1 Tx slot	32.89	32.71	32.85	33.50	23.89	23.71	23.85	24.50
GPRS 1 Tx slot	32.80	32.65	32.88	33.50	23.80	23.65	23.88	24.50
GPRS 2 Tx slots	30.76	30.34	30.42	31.50	24.76	24.34	24.42	25.50
GPRS 3 Tx slots	29.19	29.25	29.16	30.50	24.93	24.99	24.90	26.24
GPRS 4 Tx slots	27.58	27.62	27.56	29.00	24.58	24.62	24.56	28.00
EDGE 1 Tx slot	26.74	26.71	26.78	27.50	17.74	17.71	17.78	18.50
EDGE 2 Tx slots	25.73	25.67	25.68	27.00	19.73	19.67	19.68	21.00
EDGE 3 Tx slots	24.37	24.18	24.23	25.50	20.11	19.92	19.97	21.24
EDGE 4 Tx slots	22.62	22.54	22.39	24.00	19.62	19.54	19.39	21.00

GSM1900 Ant0	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)								
GSM 1 Tx slot	30.07	30.04	30.00	30.50	21.07	21.04	21.00	21.50
GPRS 1 Tx slot	30.19	30.32	30.16	30.50	21.19	21.32	21.16	21.50
GPRS 2 Tx slots	27.04	27.29	27.38	28.50	21.04	21.29	21.38	22.50
GPRS 3 Tx slots	26.18	26.37	26.23	27.50	21.92	22.11	21.97	23.24
GPRS 4 Tx slots	24.89	24.78	24.71	26.00	21.69	21.78	21.71	23.00
EDGE 1 Tx slot	25.97	26.17	25.79	27.00	16.97	17.17	16.79	18.00
EDGE 2 Tx slots	24.82	25.17	24.80	26.00	18.82	19.17	18.80	20.00
EDGE 3 Tx slots	23.50	23.70	23.38	24.50	19.24	19.44	19.12	20.24
EDGE 4 Tx slots	21.98	22.14	21.77	23.00	18.98	19.14	18.77	20.00

Band	WCDMA II Ant0	WCDMA IV Ant0	Tune-up Limit (dBm)	WCDMA V Ant0			Tune-up Limit (dBm)	WCDMA V Ant0			Tune-up Limit (dBm)		
				1312	1413	1513		4192	4182	4293			
TX Channel	9262	9800	9938										
Rx Channel	9662	9800	9938										
Frequency (MHz)	1852.4	1880	1907.6										
3GPP Rel 99	AMR 12.2Kbps	23.03	23.11	23.07	24.00	23.03	23.07	22.96	24.00	23.16	23.30	23.23	24.00
3GPP Rel 99	RMC 12.2Kbps	23.18	23.22	23.15	24.00	23.11	23.15	23.07	24.00	23.25	23.36	23.31	24.00
3GPP Rel 6	HSDPA Subtest-1	22.25	22.26	21.97	23.00	22.12	22.16	21.89	23.00	22.34	22.29	21.99	23.00
3GPP Rel 6	HSDPA Subtest-2	22.17	22.21	22.03	23.00	22.13	22.09	21.93	23.00	22.22	22.32	22.15	23.00
3GPP Rel 6	HSDPA Subtest-3	21.88	21.86	21.61	22.50	21.59	21.54	21.49	22.50	21.79	21.76	21.64	22.50
3GPP Rel 6	HSDPA Subtest-4	21.64	21.72	21.48	22.50	21.49	21.62	21.44	22.50	21.68	21.78	21.57	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.14	22.14	21.94	23.00	22.09	22.02	21.82	23.00	22.21	22.19	21.94	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.13	22.22	21.85	23.00	22.10	22.09	21.71	23.00	22.20	22.24	21.97	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.62	21.62	21.38	22.50	21.54	21.49	21.30	22.50	21.66	21.71	21.41	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.57	21.68	21.49	22.50	21.42	21.56	21.41	22.50	21.66	21.79	21.58	22.50
3GPP Rel 6	HSUPA Subtest-1	22.18	22.21	22.06	23.00	22.14	22.12	21.93	23.00	22.28	22.32	22.07	23.00
3GPP Rel 6	HSUPA Subtest-2	20.22	20.15	20.10	21.00	20.13	20.08	19.97	21.00	20.25	20.21	20.19	21.00
3GPP Rel 6	HSUPA Subtest-3	21.15	21.19	20.98	22.00	21.05	21.05	20.84	22.00	21.16	21.22	21.07	22.00
3GPP Rel 6	HSUPA Subtest-4	20.16	20.22	20.08	21.00	20.07	20.09	19.99	21.00	20.18	20.32	20.10	21.00
3GPP Rel 6	HSUPA Subtest-5	22.15	22.23	22.04	23.00	22.10	22.11	21.94	23.00	22.21	22.32	22.16	23.00



Table for Band 2 Ant0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, T-uneup (dB), MPR (dB). Rows list various frequency bands and modulation schemes like QPSK, BPSK, etc.

Table for Band 4 Ant0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, T-uneup (dB), MPR (dB). Rows list various frequency bands and modulation schemes like QPSK, BPSK, etc.

Table for Band 5 Ant0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, T-uneup (dB), MPR (dB). Rows list various frequency bands and modulation schemes like QPSK, BPSK, etc.

Table for Band 7 Ant0. Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, T-uneup (dB), MPR (dB). Rows list various frequency bands and modulation schemes like QPSK, BPSK, etc.

Table for Band 2 Ant0 (continued). Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, T-uneup (dB), MPR (dB). Rows list various frequency bands and modulation schemes like QPSK, BPSK, etc.

Table for Band 4 Ant0 (continued). Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, T-uneup (dB), MPR (dB). Rows list various frequency bands and modulation schemes like QPSK, BPSK, etc.

Table for Band 5 Ant0 (continued). Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, T-uneup (dB), MPR (dB). Rows list various frequency bands and modulation schemes like QPSK, BPSK, etc.

Table for Band 7 Ant0 (continued). Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, T-uneup (dB), MPR (dB). Rows list various frequency bands and modulation schemes like QPSK, BPSK, etc.

Table for Band 2 Ant0 (continued). Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, T-uneup (dB), MPR (dB). Rows list various frequency bands and modulation schemes like QPSK, BPSK, etc.

Table for Band 4 Ant0 (continued). Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, T-uneup (dB), MPR (dB). Rows list various frequency bands and modulation schemes like QPSK, BPSK, etc.

Table for Band 5 Ant0 (continued). Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, T-uneup (dB), MPR (dB). Rows list various frequency bands and modulation schemes like QPSK, BPSK, etc.

Table for Band 7 Ant0 (continued). Columns include BW (MHz), Modulation, RB Size, RB Offset, Power, Power Headroom, T-uneup (dB), MPR (dB). Rows list various frequency bands and modulation schemes like QPSK, BPSK, etc.



Band 12 Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up Int. (min)	MFR (dB)				
Channel									762			
Frequency (MHz)									762			
10	QPSK	1	0	23.18	23.27	23.21			24	0		
10	QPSK	1	26	23.28	23.18	23.02						
10	QPSK	1	49	23.02	23.08	22.99						
10	QPSK	25	0	22.90	22.15	22.00			23	1		
10	QPSK	25	25	22.61	22.08	21.94						
10	QPSK	50	0	22.28	22.14	22.09						
10	QPSK	50	25	22.02	22.05	22.12						
10	16QAM	1	26	22.28	22.17	22.05			23	1		
10	16QAM	1	49	22.02	22.07	21.94						
10	16QAM	25	0	22.99	21.16	21.02						
10	16QAM	25	12	21.07	21.13	21.05			22	2		
10	16QAM	25	25	21.04	21.04	21.00						
10	16QAM	50	0	21.05	21.11	21.10						
10	16QAM	1	0	21.17	21.14	21.16						
10	64QAM	1	26	21.04	21.11	21.06			22	2		
10	64QAM	1	49	20.99	21.02	20.90						
10	64QAM	25	0	20.90	20.11	19.91						
10	64QAM	25	12	19.97	20.12	20.09			21	3		
10	64QAM	25	25	20.02	20.05	20.02						
10	64QAM	50	0	19.99	20.14	20.02						
10	256QAM	1	0	18.74	18.74	18.16			19	5		
10	256QAM	1	49	18.00	18.08	17.94						
10	256QAM	25	0	20.90	20.95	20.92						
10	256QAM	25	12	17.99	18.16	18.02			19	5		
10	256QAM	25	25	18.00	18.03	18.00						
10	256QAM	50	0	18.00	18.00	18.10						
Channel									2305			
Frequency (MHz)									731.5			
5	QPSK	1	0	22.92	22.95	22.91			24	0		
5	QPSK	1	24	22.84	22.96	22.92						
5	QPSK	12	0	21.99	22.06	21.92						
5	QPSK	12	7	21.84	22.02	22.01			23	1		
5	QPSK	12	13	22.00	22.02	21.98						
5	QPSK	25	0	21.94	22.06	22.00						
5	16QAM	1	0	21.87	22.01	21.91			23	1		
5	16QAM	1	12	21.83	21.88	21.75						
5	16QAM	1	24	21.85	21.88	21.87						
5	16QAM	12	0	20.97	20.96	20.96			22	2		
5	16QAM	12	7	20.80	20.95	20.75						
5	16QAM	12	13	20.72	20.90	20.89						
5	64QAM	1	0	20.96	21.03	20.87			22	2		
5	64QAM	1	6	20.88	20.90	20.92						
5	64QAM	1	12	20.76	20.90	20.85						
5	64QAM	1	24	20.93	20.97	20.91			22	2		
5	64QAM	12	0	19.83	20.90	19.88						
5	64QAM	12	7	19.85	19.90	19.81						
5	64QAM	12	13	19.75	19.91	19.70			21	3		
5	64QAM	25	0	18.82	18.90	18.78						
5	256QAM	1	0	17.86	17.86	17.78			19	5		
5	256QAM	1	12	17.77	17.92	17.88						
5	256QAM	12	0	17.90	17.96	17.86						
5	256QAM	12	7	17.92	18.06	17.90						
5	256QAM	12	13	17.90	17.89	17.98			19	5		
5	256QAM	25	0	18.04	18.10	18.10						
Channel									2305			
Frequency (MHz)									731.5			
5	QPSK	1	0	22.92	22.95	22.91			24	0		
5	QPSK	1	24	22.84	22.96	22.92						
5	QPSK	12	0	21.99	22.06	21.92						
5	QPSK	12	7	21.84	22.02	22.01			23	1		
5	QPSK	12	13	22.00	22.02	21.98						
5	QPSK	25	0	21.94	22.06	22.00						
5	16QAM	1	0	21.87	22.01	21.91			23	1		
5	16QAM	1	12	21.83	21.88	21.75						
5	16QAM	1	24	21.85	21.88	21.87						
5	16QAM	12	0	20.97	20.96	20.96			22	2		
5	16QAM	12	7	20.80	20.95	20.75						
5	16QAM	12	13	20.72	20.90	20.89						
5	64QAM	1	0	20.96	21.03	20.87			22	2		
5	64QAM	1	6	20.88	20.90	20.92						
5	64QAM	1	12	20.76	20.90	20.85						
5	64QAM	1	24	20.93	20.97	20.91			22	2		
5	64QAM	12	0	19.83	20.90	19.88						
5	64QAM	12	7	19.85	19.90	19.81						
5	64QAM	12	13	19.75	19.91	19.70			21	3		
5	64QAM	25	0	18.82	18.90	18.78						
5	256QAM	1	0	17.86	17.86	17.78			19	5		
5	256QAM	1	12	17.77	17.92	17.88						
5	256QAM	12	0	17.90	17.96	17.86						
5	256QAM	12	7	17.92	18.06	17.90						
5	256QAM	12	13	17.90	17.89	17.98			19	5		
5	256QAM	25	0	18.04	18.10	18.10						

Band 13 Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up Int. (min)	MFR (dB)				
Channel									762			
Frequency (MHz)									762			
10	QPSK	1	0	23.02	23.07	23.01			24	0		
10	QPSK	1	26	23.01	22.97	22.95						
10	QPSK	1	49	23.01	23.01	23.01						
10	QPSK	25	0	22.13	22.03	22.03			23	1		
10	QPSK	25	25	22.08	22.08	22.08						
10	QPSK	50	0	22.17	22.17	22.17						
10	16QAM	1	26	21.99	22.10	21.99						
10	16QAM	1	49	22.02	22.02	22.02						
10	16QAM	25	0	21.98	21.98	21.98			22	2		
10	16QAM	25	12	20.99	21.01	21.00						
10	16QAM	25	25	20.97	21.00	20.97						
10	16QAM	50	0	21.13	21.13	21.13						
10	64QAM	1	0	21.90	21.90	21.90						
10	64QAM	1	26	20.96	21.00	20.96			22	2		
10	64QAM	1	49	21.00	21.00	21.00						
10	64QAM	25	0	20.95	20.95	20.94						
10	64QAM	25	12	19.96	20.00	19.96			21	3		
10	64QAM	25	25	20.00	20.00	20.00						
10	256QAM	1	0	18.04	18.04	18.04			19	5		
10	256QAM	1	49	18.05	18.05	18.05						
10	256QAM	25	0	18.06	18.06	18.06						
10	256QAM	25	12	18.13	18.13	18.13			19	5		
10	256QAM	25	25	18.03	18.03	18.03						
10	256QAM	50	0	18.00	18.00	18.10						
Channel									2305			
Frequency (MHz)									778.5			
5	QPSK	1	0	22.92	22.95	22.91			24	0		
5	QPSK	1	24	22.84	22.96	22.92						
5	QPSK	12	0	21.99	22.06	21.92						
5	QPSK	12	7	21.84	22.02	22.01			23	1		
5	QPSK	12	13	22.00	22.02	21.98						
5	QPSK	25	0	21.94	22.06	22.00						
5	16QAM	1	0	21.87	22.01	21.91			23	1		
5	16QAM	1	12	21.83	21.88	21.75						
5	16QAM	1	24	21.85	21.88	21.87						
5	16QAM	12	0	20.97	20.96	20.96			22	2		
5	16QAM	12	7	20.80	20.95	20.75						
5	16QAM	12	13	20.72	20.90	20.89						
5	64QAM	1	0	20.96	21.03	20.87			22	2		
5	64QAM	1	6	20.88	20.90	20.92						
5	64QAM	1	12	20.76	20.90	20.85						
5	64QAM	1	24	20.93	20.97	20.91			22	2		
5	64QAM	12	0	19.83	20.90	19.88						
5	64QAM	12	7	19.85	19.90	19.81						
5	64QAM	12	13	19.75	19.91	19.70			21	3		
5	64QAM	25	0	18.82	18.90	18.78						
5	256QAM	1	0	17.86	17.86	17.78			19	5		
5	256QAM	1	12	17.77	17.92	17.88						
5	256QAM	12	0	17.90	17.96	17.86						
5	256QAM	12	7	17.92	18.06	17.90						
5	256QAM	12	13	17.90	17.89	17.98			19	5		
5	256QAM	25	0	18.04	18.10	18.10						

Band 17 Ant0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up Int. (min)	MFR (dB)				
Channel									769			
Frequency (MHz)									769			
10	QPSK	1	0	23.10	23.19	23.16			24	0		
10	QPSK	1	25	23.12	23.11	23.07						
10	QPSK	1	49	22.99	23.12	23.05						
10	QPSK											



Band 26 Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Max Ch./Freq.	Turn-up time (sec)	MPE (dB)	Channel	
									15021.5	811.5
15	QPSK	1	0	22.91	22.11	22.27				
15	QPSK	1	24	22.73	22.82	22.73	24	0		
15	QPSK	1	74	22.88	22.83	22.87				
15	QPSK	36	0	21.86	21.95	21.81	23	1		
15	QPSK	36	20	21.82	21.93	21.73				
15	QPSK	36	39	21.79	21.91	21.82				
15	QPSK	75	0	21.92	22.03	21.88				
15	HQAM	1	0	21.92	22.01	21.96				
15	HQAM	1	37	21.85	21.85	21.74	23	1		
15	HQAM	1	74	21.89	21.93	21.85				
15	HQAM	36	0	20.94	20.94	20.93				
15	HQAM	36	20	20.82	20.94	20.83	22	2		
15	HQAM	36	39	20.77	20.96	20.82				
15	HQAM	75	0	21.02	21.04	20.98				
15	HQAM	1	0	20.91	21.03	20.93				
15	HQAM	1	37	20.88	20.82	20.75	22	2		
15	HQAM	1	74	20.85	20.91	20.89				
15	HQAM	36	0	19.87	20.01	19.89				
15	HQAM	36	20	19.92	19.93	19.87				
15	HQAM	36	39	19.78	19.96	19.81	21	3		
15	HQAM	75	0	19.99	19.86	19.85				
15	HQAM	1	0	17.86	17.94	17.88				
15	HQAM	1	37	17.74	17.79	17.78	19	5		
15	HQAM	1	74	17.89	17.85	17.92				
15	HQAM	36	0	17.87	17.86	17.84				
15	HQAM	36	20	17.79	17.87	17.85				
15	HQAM	36	39	17.83	17.89	17.83				
15	HQAM	75	0	17.87	17.87	17.77				
Channel		26740	26883	26950			Turn-up time (sec)	MPE (dB)		
10	QPSK	1	0	22.79	22.93	22.81				
10	QPSK	1	24	22.63	22.70	22.67	24	0		
10	QPSK	1	49	22.76	22.78	22.78				
10	QPSK	25	0	21.71	21.83	21.75				
10	QPSK	25	12	21.74	21.85	21.71	23	1		
10	QPSK	25	25	21.68	21.78	21.77				
10	HQAM	1	0	21.81	21.97	21.81				
10	HQAM	1	25	21.74	21.86	21.81	23	1		
10	HQAM	1	49	21.74	21.78	21.81				
10	HQAM	25	0	20.76	20.85	20.79				
10	HQAM	25	12	20.68	20.84	20.79	22	2		
10	HQAM	25	25	20.69	20.85	20.78				
10	HQAM	50	0	20.98	20.95	20.77				
10	HQAM	1	0	20.77	20.93	20.85	22	2		
10	HQAM	1	25	20.76	20.79	20.81				
10	HQAM	1	49	20.79	20.75	20.81				
10	HQAM	25	0	19.85	19.95	19.84				
10	HQAM	25	12	19.88	19.81	19.87				
10	HQAM	25	25	19.67	19.91	19.70	21	3		
10	HQAM	50	0	19.86	19.87	19.79				
10	HQAM	1	0	17.75	17.85	17.88				
10	HQAM	1	25	17.64	17.65	17.67	19	5		
10	HQAM	1	49	17.74	17.83	17.83				
10	HQAM	25	0	17.84	17.84	17.73				
10	HQAM	25	12	17.75	17.85	17.74				
10	HQAM	25	25	17.78	17.77	17.79	19	5		
10	HQAM	50	0	17.81	17.81	17.76				
Channel		26715	26869	27015			Turn-up time (sec)	MPE (dB)		
5	QPSK	1	0	22.14	22.14	22.13				
5	QPSK	1	12	22.08	22.73	22.72	24	0		
5	QPSK	1	24	22.80	22.89	22.81				
5	QPSK	12	0	21.68	21.69	21.61				
5	QPSK	12	7	21.68	21.87	21.70	23	1		
5	QPSK	12	13	21.69	21.84	21.70				
5	HQAM	1	0	21.83	21.87	21.89				
5	HQAM	1	12	21.75	21.69	21.66	23	1		
5	HQAM	1	24	21.84	21.98	21.87				
5	HQAM	12	0	20.70	20.82	20.79				
5	HQAM	12	7	20.69	20.85	20.74	22	2		
5	HQAM	12	13	20.76	20.87	20.87				
5	HQAM	25	0	20.87	20.85	20.77				
5	HQAM	1	0	20.77	20.91	20.86	22	2		
5	HQAM	1	12	20.84	20.87	20.72				
5	HQAM	1	24	20.71	20.74	20.81				
5	HQAM	12	0	19.83	19.89	19.79				
5	HQAM	12	7	19.77	19.86	19.80				
5	HQAM	12	13	19.71	19.82	19.68	21	3		
5	HQAM	25	0	19.94	19.89	19.71				
5	HQAM	25	7	17.78	18.00	17.81				
5	HQAM	1	12	17.71	17.75	17.72	19	5		
5	HQAM	1	24	17.77	17.82	17.79				
5	HQAM	12	0	17.75	17.90	17.83				
5	HQAM	12	7	17.87	17.82	17.74				
5	HQAM	12	13	17.80	17.83	17.76	19	5		
5	HQAM	25	0	17.85	17.86	17.81				
Channel		26705	26869	27025			Turn-up time (sec)	MPE (dB)		
3	QPSK	1	0	22.17	22.15	22.13				
3	QPSK	1	8	22.59	22.72	22.69	24	0		
3	QPSK	1	14	22.83	22.84	22.77				
3	QPSK	8	0	21.80	21.98	21.81				
3	QPSK	8	4	21.70	21.90	21.69	23	1		
3	QPSK	8	7	21.68	21.84	21.77				
3	HQAM	1	0	21.88	21.96	21.73				
3	HQAM	1	8	21.80	21.92	21.81	23	1		
3	HQAM	1	14	21.78	21.78	21.72				
3	HQAM	8	0	20.72	20.89	20.70				
3	HQAM	8	4	20.76	20.82	20.69	22	2		
3	HQAM	8	7	20.82	20.98	20.78				
3	HQAM	15	0	20.88	20.89	20.78				
3	HQAM	1	0	20.80	20.96	20.81	22	2		
3	HQAM	1	8	20.81	20.77	20.69				
3	HQAM	1	14	20.82	20.85	20.78				
3	HQAM	8	0	19.76	19.86	19.75				
3	HQAM	8	4	19.77	19.84	19.72				
3	HQAM	8	7	19.75	19.82	19.74	21	3		
3	HQAM	15	0	19.92	19.88	19.80				
3	HQAM	1	0	17.78	17.88	17.88				
3	HQAM	1	8	17.65	17.69	17.69	19	5		
3	HQAM	1	14	17.79	17.89	17.80				
3	HQAM	8	0	17.81	17.89	17.81				
3	HQAM	8	4	17.71	17.84	17.78				
3	HQAM	8	7	17.77	17.77	17.78	19	5		
3	HQAM	15	0	17.88	17.88	17.78				
Channel		26677	26869	27033			Turn-up time (sec)	MPE (dB)		
1.4	QPSK	1	0	22.19	22.26	22.25				
1.4	QPSK	1	3	22.59	22.75	22.69	24	0		
1.4	QPSK	1	5	22.76	22.85	22.82				
1.4	QPSK	3	0	22.13	22.28	22.21				
1.4	QPSK	3	1	22.85	22.86	22.75				
1.4	QPSK	3	3	22.73	22.81	22.72	23	1		
1.4	QPSK	3	5	21.83	21.98	21.85				
1.4	HQAM	1	0	21.79	21.83	21.82				
1.4	HQAM	1	3	21.72	21.75	21.86	23	1		
1.4	HQAM	1	5	21.85	21.88	21.80				
1.4	HQAM	3	0	21.77	21.83	21.73				
1.4	HQAM	3	1	21.68	21.79	21.74				
1.4	HQAM	3	3	21.68	21.85	21.73				
1.4	HQAM	6	0	20.88	20.88	20.73	22	2		
1.4	HQAM	1	0	20.76	20.92	20.82				
1.4	HQAM	1	3	20.78	20.70	20.68				
1.4	HQAM	1	5	20.72	20.85	20.74	22	2		
1.4	HQAM	3	0	20.75	20.96	20.78				
1.4	HQAM	3	1	20.72	20.79	20.81				
1.4	HQAM	3	3	20.71	20.91	20.70	21	3		
1.4	HQAM	8	0	19.80	19.88	19.86				
1.4	HQAM	1	0	17.77	17.90	17.87				
1.4	HQAM	1	3	17.61	17.70	17.72				
1.4	HQAM	1	5	17.84	17.84	17.79	19	5		
1.4	HQAM	3	0	17.74	17.93	17.76				
1.4	HQAM	3	1	17.74	17.84	17.80				
1.4	HQAM	3	3	17.79	17.77	17.80				
1.4	HQAM	6	0	17.84	18.03	17.80	19	5		

Band 66 Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Max Ch./Freq.	Turn-up time (sec)	MPE (dB)	Channel		
									13022	13022	13022
20	QPSK	1	0	22.85	22.11	22.82					
20	QPSK	1	49	22.73	22.82	22.73	24	0			
20	QPSK	1	99	22.86	22.81	22.84					
20	QPSK	50	0	21.83	22.06	22.02					
20	QPSK	50	24	21.82	21.91	21.66	23	1			
20	QPSK	50	50	21.88	21.83	21.88					
20	QPSK	100	0	21.85	22.01	21.94					
20	HQAM	1	0	21.85	22.02	21.79					
20	HQAM	1	49	21.85	21.85	21.85	23	1			
20	HQAM	1	99	21.81	21.92	21.93					
20	HQAM	50	0	20.88	20.97	20.90					
20	HQAM	50	24	20.76							



Band 38 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	22.98	23.19	23.06	24	0		
20	QPSK	1	49	22.97	23.11	23.02				
20	QPSK	1	99	22.93	23.07	23.02				
20	QPSK	50	0	22.14	22.20	22.09				
20	QPSK	50	24	22.05	22.12	22.05				
20	QPSK	50	50	22.00	22.06	21.96	23	1		
20	QPSK	100	0	22.11	22.16	22.07				
20	16QAM	1	0	21.90	22.04	22.03				
20	16QAM	1	49	21.90	22.01	21.99				
20	16QAM	1	99	21.87	21.92	21.99				
20	16QAM	50	0	21.06	21.17	21.04	23	1		
20	16QAM	50	24	21.02	21.02	20.94				
20	16QAM	50	50	20.90	20.97	20.91				
20	16QAM	100	0	21.03	21.10	20.94				
20	16QAM	1	0	20.98	21.14	21.07				
20	64QAM	1	0	20.98	21.04	20.95	22	2		
20	64QAM	1	99	20.85	21.07	21.00				
20	64QAM	50	0	20.13	20.19	20.06				
20	64QAM	50	24	20.05	20.03	20.07				
20	64QAM	50	50	19.98	19.99	19.97				
20	64QAM	100	0	20.01	20.13	20.02	21	3		
20	256QAM	1	0	17.95	18.21	18.07				
20	256QAM	1	49	17.94	18.07	18.06				
20	256QAM	1	99	17.91	18.12	18.06				
20	256QAM	50	0	18.12	18.22	18.07				
20	256QAM	50	24	18.03	18.15	18.03	19	5		
20	256QAM	50	50	18.01	18.12	18.00				
20	256QAM	100	0	18.10	18.21	18.03				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	22.84	23.16	23.00	24	0		
15	QPSK	1	37	22.89	23.06	22.99				
15	QPSK	1	74	22.81	22.93	22.91				
15	QPSK	36	0	22.01	22.07	22.01				
15	QPSK	36	20	21.97	21.98	21.96				
15	QPSK	36	39	21.95	22.03	21.91	23	1		
15	QPSK	75	0	21.99	22.13	21.92				
15	16QAM	1	0	21.79	21.90	21.90				
15	16QAM	1	37	21.83	21.96	21.83				
15	16QAM	1	74	21.74	21.88	21.86				
15	16QAM	36	0	21.01	21.11	20.90	22	2		
15	16QAM	36	20	20.96	20.87	20.87				
15	16QAM	36	39	20.78	20.87	20.83				
15	16QAM	75	0	20.92	21.01	20.82				
15	16QAM	1	0	20.86	21.00	20.97				
15	64QAM	1	37	20.86	20.94	20.83	22	2		
15	64QAM	1	74	20.77	21.02	20.86				
15	64QAM	36	0	20.05	20.05	19.95				
15	64QAM	36	20	19.94	19.90	20.00				
15	64QAM	36	39	19.87	19.85	19.90				
15	64QAM	75	0	19.93	20.09	19.93	21	3		
15	256QAM	1	0	17.84	18.18	17.98				
15	256QAM	1	37	17.87	17.98	17.98				
15	256QAM	1	74	17.80	18.00	17.93				
15	256QAM	36	0	18.03	18.07	17.98				
15	256QAM	36	20	17.91	18.01	17.94	19	5		
15	256QAM	36	39	17.97	18.04	17.95				
15	256QAM	75	0	17.98	18.07	17.93				
Channel				37800	38000	38200				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	22.88	23.08	22.97	24	0		
10	QPSK	1	25	22.94	23.06	22.88				
10	QPSK	1	49	22.80	22.94	22.90				
10	QPSK	25	0	22.02	22.08	21.95				
10	QPSK	25	12	21.94	22.06	21.91				
10	QPSK	25	25	21.90	21.93	21.82	23	1		
10	QPSK	50	0	22.04	22.11	21.98				
10	16QAM	1	0	21.76	21.89	21.96				
10	16QAM	1	25	21.77	21.96	21.85				
10	16QAM	1	49	21.80	21.78	21.89				
10	16QAM	25	0	20.98	21.04	20.91	22	2		
10	16QAM	25	12	20.92	20.97	20.81				
10	16QAM	25	25	20.84	20.84	20.79				
10	16QAM	50	0	20.88	20.99	20.89				
10	64QAM	1	0	20.85	21.05	21.01				
10	64QAM	1	25	20.83	20.91	20.83	22	2		
10	64QAM	1	49	20.81	21.03	20.91				
10	64QAM	25	0	20.02	20.11	19.95				
10	64QAM	25	12	20.00	19.95	19.96				
10	64QAM	25	25	19.89	19.88	19.84				
10	64QAM	50	0	19.97	20.03	19.91	21	3		
10	256QAM	1	0	17.92	18.10	17.92				
10	256QAM	1	25	17.86	18.00	17.97				
10	256QAM	1	49	17.83	18.02	17.91				
10	256QAM	25	0	18.05	18.12	17.94				
10	256QAM	25	12	17.95	18.11	17.90	19	5		
10	256QAM	25	25	17.88	17.97	17.95				
10	256QAM	50	0	18.04	18.09	17.94				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	22.94	23.10	22.94	24	0		
5	QPSK	1	12	22.87	23.04	22.97				
5	QPSK	1	24	22.85	23.02	22.91				
5	QPSK	12	0	22.07	22.09	21.98				
5	QPSK	12	7	22.01	21.98	21.94				
5	QPSK	12	13	21.95	22.01	21.91	23	1		
5	QPSK	25	0	22.04	22.07	22.03				
5	16QAM	1	0	21.83	21.94	21.99				
5	16QAM	1	12	21.82	21.87	21.85				
5	16QAM	1	24	21.76	21.84	21.92				
5	16QAM	12	0	20.96	21.10	20.92	22	2		
5	16QAM	12	7	20.98	20.89	20.83				
5	16QAM	12	13	20.86	20.84	20.77				
5	16QAM	25	0	20.99	21.04	20.81				
5	64QAM	1	0	20.90	21.00	21.01				
5	64QAM	1	12	20.95	20.91	20.84	22	2		
5	64QAM	1	24	20.70	20.97	20.92				
5	64QAM	12	0	20.03	20.09	19.97				
5	64QAM	12	7	20.01	19.96	20.01				
5	64QAM	12	13	19.85	19.92	19.91				
5	64QAM	25	0	19.91	20.07	19.89	21	3		
5	256QAM	1	0	17.89	18.11	18.03				
5	256QAM	1	12	17.83	17.95	17.96				
5	256QAM	1	24	17.86	18.02	17.98				
5	256QAM	12	0	18.05	18.10	17.99				
5	256QAM	12	7	17.94	18.06	17.95	19	5		
5	256QAM	12	13	17.96	18.08	17.94				
5	256QAM	25	0	17.98	18.12	17.98				

Band 38 HPUE Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	25.38	25.54	25.46	27	0		
20	QPSK	1	49	25.32	25.40	25.31				
20	QPSK	1	99	25.40	25.48	25.42				
20	QPSK	50	0	24.49	24.62	24.58				
20	QPSK	50	24	24.42	24.55	24.51				
20	QPSK	50	50	24.35	24.49	24.39	26	1		
20	QPSK	100	0	24.45	24.57	24.52				
20	16QAM	1	0	24.74	24.84	24.89				
20	16QAM	1	49	24.65	24.80	24.76				
20	16QAM	1	99	24.68	24.72	24.62				
20	16QAM	50	0	23.54	23.62	23.58	26	1		
20	16QAM	50	24	23.36	23.46	23.35				
20	16QAM	50	50	23.46	23.51	23.42				
20	16QAM	100	0	23.54	23.63	23.60				
20	64QAM	1	0	23.51	23.61	23.47				
20	64QAM	1	49	23.34	23.45	23.33	25	2		
20	64QAM	1	99	23.45	23.54	23.41				
20	64QAM	50	0	22.63	22.67	22.58				
20	64QAM	50	24	22.48	22.53	22.39				
20	64QAM	50	50	22.54	22.62	22.55				
20	64QAM	100	0	22.47	22.61	22.54	24	3		
20	256QAM	1	0	20.57	20.70	20.59				
20	256QAM	1	49	20.52	20.61	20.58				
20	256QAM	1	99	20.51	20.54	20.43				
20	256QAM	50	0	20.64	20.73	20.69				
20	256QAM	50	24	20.72	20.82	20.78	22	5		
20	256QAM	50	50	20.62	20.69	20.59				
20	256QAM	100	0	20.55	20.64	20.55				
Channel				37825	38000	38175				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	25.51	25.53	25.33	27	0		
15	QPSK	1	37	25.21	25.34	25.22				
15	QPSK	1	74	25.27	25.36	25.34				
15	QPSK	36	0	24.35	24.53	24.49				
15	QPSK	36	20	24.36	24.49	24.37				
15	QPSK	36	39	24.28						



Band 41 Ant0																	
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)							
Channel																	
Frequency (MHz)				39750	40185	40620	41055	41490									
Frequency (MHz)				2506	2549.5	2593	2636.5	2680									
20	QPSK	1	0	22.98	23.14	23.27	23.23	23.25	24	0							
20	QPSK	1	49	22.93	22.88	23.02	22.93	22.95									
20	QPSK	1	99	22.98	23.00	23.10	23.03	23.01									
20	QPSK	50	0	22.04	22.05	22.15	22.07	22.11									
20	QPSK	50	24	22.00	22.05	22.12	22.03	22.04	23	1							
20	QPSK	50	50	21.94	21.97	22.07	22.03	21.93									
20	QPSK	100	0	22.03	22.05	22.16	22.07	22.08	23	1							
20	16QAM	1	0	21.99	22.03	22.27	22.19	22.26									
20	16QAM	1	49	21.92	21.86	22.01	21.96	21.99	22	2							
20	16QAM	1	99	22.04	21.98	22.07	22.01	22.07									
20	16QAM	50	0	21.05	21.12	21.15	21.04	21.17	22	2							
20	16QAM	50	24	20.98	21.02	21.09	21.09	21.06									
20	16QAM	50	50	20.96	20.93	21.08	21.05	20.97	22	2							
20	16QAM	100	0	21.02	21.00	21.13	21.07	21.11									
20	64QAM	1	0	20.94	21.21	21.23	21.26	21.13	22	2							
20	64QAM	1	49	20.96	20.91	21.07	20.92	20.90									
20	64QAM	1	99	20.95	21.00	21.17	21.00	21.08	21	3							
20	64QAM	50	0	20.06	20.08	20.21	20.14	20.17									
20	64QAM	50	24	19.98	20.11	20.17	20.00	20.00	21	3							
20	64QAM	50	50	19.98	19.97	20.08	20.02	19.93									
20	64QAM	100	0	20.08	20.11	20.22	20.14	20.10	19	5							
20	256QAM	1	0	17.96	18.05	18.19	18.15	18.14									
20	256QAM	1	49	17.94	17.88	18.01	17.94	17.94	19	5							
20	256QAM	1	99	17.97	17.93	18.09	18.02	17.98									
20	256QAM	50	0	18.02	18.04	18.07	18.04	18.02	19	5							
20	256QAM	50	24	18.01	18.02	18.05	17.94	18.02									
20	256QAM	50	50	18.01	17.95	18.09	17.96	17.93	20	256QAM	100	0	18.03	18.02	18.15	18.01	18.08
Channel																	
Frequency (MHz)				39725	40173	40620	41068	41515									
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5									
15	QPSK	1	0	22.88	23.10	23.15	23.14	23.21	24.00	0							
15	QPSK	1	37	22.87	22.83	22.90	22.82	22.83									
15	QPSK	1	74	22.94	22.92	22.97	22.96	22.93									
15	QPSK	36	0	21.90	21.92	22.05	21.92	22.07									
15	QPSK	36	20	21.87	22.00	22.08	21.98	22.01	23	1							
15	QPSK	36	39	21.84	21.91	22.02	21.89	21.83									
15	QPSK	75	0	21.98	22.00	22.11	22.00	21.98	23	1							
15	16QAM	1	0	21.86	22.06	22.21	22.15	22.11									
15	16QAM	1	37	21.77	21.73	21.98	21.87	21.94	22	2							
15	16QAM	1	74	21.91	21.89	21.98	21.91	22.02									
15	16QAM	36	0	20.98	21.04	21.10	20.93	21.02	22	2							
15	16QAM	36	20	20.91	20.92	21.00	20.97	20.95									
15	16QAM	36	39	20.88	20.83	21.02	20.96	20.92	22	2							
15	16QAM	75	0	20.90	20.91	21.03	21.01	20.97									
15	64QAM	1	0	20.90	21.14	21.12	21.11	21.04	22	2							
15	64QAM	1	37	20.86	20.88	20.95	20.89	20.81									
15	64QAM	1	74	20.90	20.97	21.11	20.88	20.97	21	3							
15	64QAM	36	0	20.02	20.00	20.11	20.06	20.10									
15	64QAM	36	20	19.92	20.06	20.05	19.94	19.93	19	5							
15	64QAM	36	39	19.89	19.87	19.97	19.94	19.81									
15	64QAM	75	0	19.99	19.99	20.15	20.08	20.03	19	5							
15	256QAM	1	0	17.85	17.94	18.08	18.03	18.07									
15	256QAM	1	37	17.79	17.76	17.87	17.87	17.89	19	5							
15	256QAM	1	74	17.92	17.90	17.94	17.90	17.92									
15	256QAM	36	0	17.91	17.98	17.99	17.95	17.97	19	5							
15	256QAM	36	20	17.94	17.83	17.90	17.80	17.90									
15	256QAM	36	39	17.80	17.84	17.96	17.83	17.98	19	5							
15	256QAM	75	0	17.90	17.95	18.02	17.92	18.00									
Channel																	
Frequency (MHz)				39700	40160	40620	41080	41540									
Frequency (MHz)				2501	2547	2593	2639	2685									
10	QPSK	1	0	22.85	23.09	23.15	23.11	23.15	24.00	0							
10	QPSK	1	25	22.86	22.79	22.98	22.87	22.81									
10	QPSK	1	49	22.91	22.85	22.97	22.90	22.91									
10	QPSK	25	0	21.93	22.00	22.06	22.04	22.06									
10	QPSK	25	12	21.85	21.93	22.09	21.91	21.98	23	1							
10	QPSK	25	25	21.90	21.92	21.94	21.98	21.89									
10	QPSK	50	0	21.95	21.99	22.11	21.96	22.00	23	1							
10	16QAM	1	0	21.93	22.02	22.19	22.09	22.14									
10	16QAM	1	25	21.79	21.79	21.91	21.86	21.94	22	2							
10	16QAM	1	49	21.94	21.86	21.99	21.90	21.92									
10	16QAM	25	0	20.95	20.97	21.10	20.90	21.12	22	2							
10	16QAM	25	12	20.94	20.97	21.00	20.97	20.97									
10	16QAM	25	25	20.97	20.90	21.03	20.95	20.91	22	2							
10	16QAM	50	0	20.99	20.91	21.00	20.98	21.03									
10	64QAM	1	0	20.80	21.12	21.12	21.22	21.05	22	2							
10	64QAM	1	25	20.91	20.78	20.96	20.80	20.86									
10	64QAM	1	49	20.89	20.95	21.11	20.85	20.95	21	3							
10	64QAM	25	0	19.99	20.02	20.11	20.00	20.10									
10	64QAM	25	12	19.84	19.98	20.05	19.93	19.92	19	5							
10	64QAM	25	25	19.83	19.93	20.03	19.96	19.90									
10	64QAM	50	0	19.96	20.00	20.17	19.99	20.01	19	5							
10	256QAM	1	0	17.91	18.00	18.05	18.03	18.09									
10	256QAM	1	25	17.86	17.79	17.92	17.82	17.80	19	5							
10	256QAM	1	49	17.89	17.84	17.97	17.89	17.85									
10	256QAM	25	0	17.89	17.93	17.94	17.92	17.95	19	5							
10	256QAM	25	12	17.94	17.95	17.98	17.87	17.98									
10	256QAM	25	25	17.79	17.82	17.96	17.88	17.86	20	256QAM	50	0	17.87	18.03			
Channel																	
Frequency (MHz)				39675	40143	40620	41093	41655									
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5									
5	QPSK	1	0	22.95	23.08	23.18	23.18	23.22	24.00	0							
5	QPSK	1	12	22.85	22.77	22.88	22.84	22.82									
5	QPSK	1	24	22.84	22.88	22.96	22.97	22.89									
5	QPSK	12	0	21.98	21.96	22.10	21.92	21.99									
5	QPSK	12	7	21.96	22.01	22.04	21.95	21.94	23	1							
5	QPSK	12	13	21.86	21.86	22.02	21.96	21.81									
5	QPSK	25	0	21.97	22.00	22.09	22.03	22.05	23	1							
5	16QAM	1	0	21.91	21.95	22.22	22.07	22.19									
5	16QAM	1	12	21.85	21.83	21.86	21.85	21.86	22	2							
5	16QAM	1	24	21.93	21.92	21.92	21.97	21.93									
5	16QAM	12	0	20.97	21.02	21.11	20.99	21.08	22	2							
5	16QAM	12	7	20.84	20.90	21.01	20.97	20.96									
5	16QAM	12	13	20.87	20.89	20.93	21.00	20.83	22	2							
5	16QAM	25	0	20.94	20.95	21.03	20.96	21.08									
5	64QAM	1	0	20.80	21.17	21.20	21.20	20.99	22	2							
5	64QAM	1	12	20.87	20.81	20.95	20.81	20.80									
5	64QAM	1	24	20.85	20.97	21.06	20.85	20.93	21	3							
5	64QAM	12	0	20.02	19.96	20.08	20.00	20.10									
5	64QAM	12	7	19.85	20.05	20.12	19.97	19.90	21	3							
5	64QAM	12	13	19.90	19.92	20.03	19.98	19.90									
5	64QAM	25	0	20.00	20.01	20.12	20.04	20.03	19	5							
5	256QAM	1	0	17.83	17.92	18.04	18.06	18.08									
5	256QAM	1	12	17.88	17.75	17.87	17.85	17.90	19	5							
5	256QAM	1	24	17.88	17.86	18.01	17.93	17.91									
5	256QAM	12	0	17.96	17.92	18.01	17.96	17.89	19	5							
5	256QAM	12	7	17.97	17.92	17.98	17.83	17.94									
5	256QAM	12	13	17.82	17.83	18.00	17.86	17.78	22	5							
5	256QAM	25	0	18.00	17.97	18.01	17.96	17.96									

Band 41 HPUE Ant0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel												
Frequency (MHz)				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	25.26	25.37	25.55	25.50	25.49	27	0		
20	QPSK	1	49	25.25	25.26	25.39	25.31	25.25				
20	QPSK	1	99	25.32	25.36							



Band 5 ENDC Ant1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20450	20525	20600					
Frequency (MHz)				829	836.5	844					
10	QPSK	1	0	20.59	20.69	20.60	21.3	0			
10	QPSK	1	25	20.62	20.51	20.44					
10	QPSK	1	49	20.46	20.63	20.39					
10	QPSK	25	0	20.36	20.65	20.48					
10	QPSK	25	12	20.52	20.34	20.34	21.3	0			
10	QPSK	25	25	20.48	20.60	20.32					
10	QPSK	50	0	20.42	20.48	20.38					
10	16QAM	1	0	20.48	20.40	20.45					
10	16QAM	1	25	20.47	20.59	20.27	21.3	0			
10	16QAM	1	49	20.47	20.63	20.43					
10	16QAM	25	0	20.25	20.55	20.60					
10	16QAM	25	12	20.55	20.51	20.31					
10	16QAM	25	25	20.41	20.53	20.28	21.3	0			
10	16QAM	50	0	20.39	20.44	20.55					
10	64QAM	1	0	20.40	20.49	20.66					
10	64QAM	1	25	20.51	20.65	20.36	21.3	0			
10	64QAM	1	49	20.57	20.64	20.46					
10	64QAM	25	0	20.07	20.33	20.32					
10	64QAM	25	12	20.15	20.11	20.28					
10	64QAM	25	25	20.25	20.21	19.95	21	0.3			
10	64QAM	50	0	20.16	20.07	20.12					
10	256QAM	1	0	18.16	18.22	18.20					
10	256QAM	1	25	18.23	18.08	18.05	19	2.3			
10	256QAM	1	49	18.27	18.15	18.21					
10	256QAM	25	0	18.22	18.24	18.03					
10	256QAM	25	12	18.10	18.13	18.10	19	2.3			
10	256QAM	25	25	18.33	18.13	18.12					
10	256QAM	50	0	18.01	18.20	18.27					
Channel				20425	20525	20625					
Frequency (MHz)				826.5	836.5	846.5					
5	QPSK	1	0	20.39	20.65	20.45	21.3	0			
5	QPSK	1	12	20.52	20.40	20.23					
5	QPSK	1	24	20.27	20.42	20.23					
5	QPSK	12	0	20.27	20.51	20.30					
5	QPSK	12	7	20.30	20.33	20.26	21.3	0			
5	QPSK	12	13	20.48	20.56	20.33					
5	QPSK	25	0	20.34	20.40	20.26					
5	16QAM	1	0	20.33	20.34	20.30					
5	16QAM	1	12	20.47	20.52	20.08	21.3	0			
5	16QAM	1	24	20.29	20.46	20.43					
5	16QAM	12	0	20.24	20.55	20.52					
5	16QAM	12	7	20.38	20.50	20.29	21.3	0			
5	16QAM	12	13	20.28	20.49	20.12					
5	16QAM	25	0	20.26	20.33	20.51					
5	64QAM	1	0	20.19	20.44	20.63					
5	64QAM	1	12	20.40	20.44	20.24	21.3	0			
5	64QAM	1	24	20.39	20.46	20.26					
5	64QAM	12	0	20.01	20.16	20.17					
5	64QAM	12	7	20.08	20.03	20.18					
5	64QAM	12	13	20.14	20.15	19.93	21	0.3			
5	64QAM	25	0	20.04	19.99	20.02					
5	256QAM	1	0	18.17	18.24	18.07					
5	256QAM	1	12	18.21	18.01	17.89	19	2.3			
5	256QAM	1	24	18.09	18.15	18.19					
5	256QAM	12	0	18.18	18.20	17.82					
5	256QAM	12	7	18.07	17.97	17.96	19	2.3			
5	256QAM	12	13	18.29	17.97	18.05					
5	256QAM	25	0	17.98	18.08	18.25					
Channel				20415	20525	20635					
Frequency (MHz)				825.5	836.5	847.5					
3	QPSK	1	0	20.48	20.50	20.56	21.3	0			
3	QPSK	1	8	20.61	20.47	20.45					
3	QPSK	1	14	20.47	20.49	20.27					
3	QPSK	8	0	20.20	20.51	20.35					
3	QPSK	8	4	20.31	20.18	20.15	21.3	0			
3	QPSK	8	7	20.44	20.61	20.25					
3	QPSK	15	0	20.44	20.45	20.21					
3	16QAM	1	0	20.44	20.26	20.28					
3	16QAM	1	8	20.49	20.58	20.21	21.3	0			
3	16QAM	1	14	20.34	20.64	20.42					
3	16QAM	8	0	20.07	20.35	20.52					
3	16QAM	8	4	20.50	20.38	20.27	21.3	0			
3	16QAM	8	7	20.25	20.45	20.21					
3	16QAM	15	0	20.17	20.28	20.41					
3	64QAM	1	0	20.34	20.27	20.44					
3	64QAM	1	8	20.51	20.65	20.25	21.3	0			
3	64QAM	1	14	20.54	20.42	20.45					
3	64QAM	8	0	19.99	20.35	20.30					
3	64QAM	8	4	20.03	20.07	20.11					
3	64QAM	8	7	20.25	20.17	19.85	21	0.3			
3	64QAM	15	0	20.15	19.99	19.91					
3	256QAM	1	0	18.15	18.14	18.11					
3	256QAM	1	8	18.20	17.89	17.83	19	2.3			
3	256QAM	1	14	18.20	17.97	18.22					
3	256QAM	8	0	18.04	18.12	18.01					
3	256QAM	8	4	18.10	18.03	18.03	19	2.3			
3	256QAM	8	7	18.17	17.97	18.10					
3	256QAM	15	0	17.84	18.11	18.15					
Channel				20407	20525	20643					
Frequency (MHz)				824.7	836.5	848.3					
1.4	QPSK	1	0	20.46	20.64	20.59					
1.4	QPSK	1	3	20.64	20.30	20.26	21.3	0			
1.4	QPSK	1	5	20.30	20.43	20.33					
1.4	QPSK	3	0	20.31	20.67	20.27					
1.4	QPSK	3	1	20.40	20.34	20.27					
1.4	QPSK	3	3	20.43	20.62	20.25	21.3	0			
1.4	QPSK	6	0	20.27	20.36	20.18					
1.4	16QAM	1	0	20.26	20.41	20.46					
1.4	16QAM	1	3	20.28	20.52	20.16					
1.4	16QAM	1	5	20.47	20.45	20.41	21.3	0			
1.4	16QAM	3	0	20.20	20.51	20.42					
1.4	16QAM	3	1	20.52	20.35	20.33					
1.4	16QAM	3	3	20.37	20.50	20.25	21.3	0			
1.4	16QAM	6	0	20.23	20.22	20.56					
1.4	64QAM	1	0	20.31	20.41	20.67					
1.4	64QAM	1	3	20.47	20.46	20.37					
1.4	64QAM	1	5	20.54	20.42	20.29	21.3	0			
1.4	64QAM	3	0	19.87	20.21	20.13					
1.4	64QAM	3	1	20.16	20.04	20.19					
1.4	64QAM	3	3	20.10	20.07	19.77					
1.4	64QAM	6	0	20.16	19.97	19.90	21	0.3			
1.4	256QAM	1	0	18.10	18.07	18.20					
1.4	256QAM	1	3	18.09	18.07	17.86					
1.4	256QAM	1	5	18.19	18.00	18.18					
1.4	256QAM	3	0	18.07	18.23	17.99	19	2.3			
1.4	256QAM	3	1	18.00	18.09	17.95					
1.4	256QAM	3	3	18.16	17.94	18.04					
1.4	256QAM	6	0	17.97	18.00	18.06	19	2.3			

Band 7 ENDC Ant1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20850	21100	21350					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	15.23	15.44	15.25	16.5	0			
20	QPSK	1	49	15.39	15.33	15.17					
20	QPSK	1	99	15.32	15.37	15.26					
20	QPSK	50	0	15.12	15.32	15.24					
20	QPSK	50	24	15.25	15.13	15.06	16.5	0			
20	QPSK	50	50	15.08	15.31	15.19					
20	QPSK	100	0	15.17	15.19	15.05					



Band 42 FCCAnt2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	18.83	18.91	18.66	19.4	0	
20	QPSK	1	49	18.83	18.85	18.64			
20	QPSK	1	99	18.68	18.68	18.88			
20	QPSK	50	0	18.85	18.90	18.66	19.4	0	
20	QPSK	50	24	18.76	18.73	18.59			
20	QPSK	50	50	18.86	18.67	18.89			
20	QPSK	100	0	18.68	18.70	18.64	19.4	0	
20	16QAM	1	0	18.70	18.90	18.57			
20	16QAM	1	49	18.70	18.66	18.64			
20	16QAM	1	99	18.66	18.49	18.78	19.4	0	
20	16QAM	50	0	18.86	18.69	18.48			
20	16QAM	50	24	18.58	18.61	18.56			
20	16QAM	50	50	18.87	18.61	18.80	19.4	0	
20	16QAM	100	0	18.66	18.44	18.56			
20	64QAM	1	0	18.80	18.76	18.62			
20	64QAM	1	49	18.69	18.68	18.42	19.4	0	
20	64QAM	1	99	18.53	18.50	18.82			
20	64QAM	50	0	18.78	18.66	18.50			
20	64QAM	50	24	18.59	18.57	18.45	19.4	0	
20	64QAM	50	50	18.81	18.63	18.70			
20	64QAM	100	0	18.52	18.65	18.47			
20	256QAM	1	0	18.32	18.49	18.26	19	0.4	
20	256QAM	1	49	18.37	18.37	18.29			
20	256QAM	1	99	18.21	18.18	18.49			
20	256QAM	50	0	18.54	18.32	18.32	19	0.4	
20	256QAM	50	24	18.30	18.26	18.10			
20	256QAM	50	50	18.51	18.18	18.55			
20	256QAM	100	0	18.24	18.24	18.34			
Channel				42165	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	18.65	18.79	18.51	19.4	0	
15	QPSK	1	37	18.70	18.83	18.44			
15	QPSK	1	74	18.67	18.53	18.90			
15	QPSK	36	0	18.66	18.74	18.56	19.4	0	
15	QPSK	36	20	18.55	18.72	18.52			
15	QPSK	36	39	18.88	18.53	18.87			
15	QPSK	75	0	18.49	18.52	18.49	19.4	0	
15	16QAM	1	0	18.63	18.68	18.40			
15	16QAM	1	37	18.69	18.50	18.57			
15	16QAM	1	74	18.54	18.46	18.64	19.4	0	
15	16QAM	36	0	18.68	18.59	18.43			
15	16QAM	36	20	18.38	18.43	18.55			
15	16QAM	36	39	18.83	18.61	18.61	19.4	0	
15	16QAM	75	0	18.60	18.42	18.37			
15	64QAM	1	0	18.62	18.63	18.60			
15	64QAM	1	37	18.64	18.50	18.43	19.4	0	
15	64QAM	1	74	18.44	18.46	18.72			
15	64QAM	36	0	18.72	18.49	18.36			
15	64QAM	36	20	18.38	18.35	18.45	19.4	0	
15	64QAM	36	39	18.67	18.49	18.56			
15	64QAM	75	0	18.32	18.58	18.41			
15	256QAM	1	0	18.25	18.31	18.09	19	0.4	
15	256QAM	1	37	18.20	18.18	18.27			
15	256QAM	1	74	18.16	18.01	18.38			
15	256QAM	36	0	18.40	18.17	18.22	19	0.4	
15	256QAM	36	20	18.14	18.27	17.95			
15	256QAM	36	39	18.31	18.06	18.34			
15	256QAM	75	0	18.14	18.04	18.21			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	18.83	18.73	18.54	19.4	0	
10	QPSK	1	25	18.64	18.86	18.48			
10	QPSK	1	49	18.64	18.51	18.73			
10	QPSK	25	0	18.81	18.59	18.52	19.4	0	
10	QPSK	25	12	18.70	18.71	18.38			
10	QPSK	25	25	18.74	18.49	18.74			
10	QPSK	50	0	18.61	18.66	18.64	19.4	0	
10	16QAM	1	0	18.57	18.87	18.38			
10	16QAM	1	25	18.71	18.66	18.54			
10	16QAM	1	49	18.54	18.50	18.69	19.4	0	
10	16QAM	25	0	18.70	18.47	18.35			
10	16QAM	25	12	18.48	18.50	18.53			
10	16QAM	25	25	18.71	18.43	18.65	19.4	0	
10	16QAM	50	0	18.51	18.29	18.48			
10	64QAM	1	0	18.74	18.62	18.63			
10	64QAM	1	25	18.58	18.58	18.38	19.4	0	
10	64QAM	1	49	18.40	18.35	18.64			
10	64QAM	25	0	18.58	18.59	18.28			
10	64QAM	25	12	18.56	18.57	18.33	19.4	0	
10	64QAM	25	25	18.75	18.52	18.51			
10	64QAM	50	0	18.35	18.58	18.27			
10	256QAM	1	0	18.10	18.40	18.20	19	0.4	
10	256QAM	1	25	18.32	18.24	18.19			
10	256QAM	1	49	18.21	18.01	18.39			
10	256QAM	25	0	18.41	18.14	18.12	19	0.4	
10	256QAM	25	12	18.30	18.06	18.01			
10	256QAM	25	25	18.47	18.05	18.48			
10	256QAM	50	0	18.08	18.18	18.13			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	18.82	18.83	18.62	19.4	0	
5	QPSK	1	12	18.81	18.71	18.48			
5	QPSK	1	24	18.54	18.55	18.86			
5	QPSK	12	0	18.82	18.60	18.62	19.4	0	
5	QPSK	12	7	18.64	18.57	18.41			
5	QPSK	12	13	18.88	18.55	18.78			
5	QPSK	25	0	18.61	18.51	18.54	19.4	0	
5	16QAM	1	0	18.66	18.74	18.38			
5	16QAM	1	12	18.68	18.62	18.61			
5	16QAM	1	24	18.55	18.35	18.59	19.4	0	
5	16QAM	12	0	18.66	18.63	18.34			
5	16QAM	12	7	18.49	18.60	18.58			
5	16QAM	12	13	18.75	18.61	18.70	19.4	0	
5	16QAM	25	0	18.63	18.30	18.46			
5	64QAM	1	0	18.77	18.63	18.58			
5	64QAM	1	12	18.50	18.62	18.36	19.4	0	
5	64QAM	1	24	18.36	18.44	18.70			
5	64QAM	12	0	18.60	18.51	18.45			
5	64QAM	12	7	18.45	18.37	18.33	19.4	0	
5	64QAM	12	13	18.72	18.54	18.53			
5	64QAM	25	0	18.50	18.51	18.46			
5	256QAM	1	0	18.25	18.31	18.13	19	0.4	
5	256QAM	1	12	18.31	18.20	18.15			
5	256QAM	1	24	18.15	18.15	18.33			
5	256QAM	12	0	18.41	18.17	18.24	19	0.4	
5	256QAM	12	7	18.26	18.22	18.00			
5	256QAM	12	13	18.32	18.11	18.45			
5	256QAM	25	0	18.25	18.23	18.32			



Reduced Power Mode for WWAN DSI 3-Standalone

GSM900 A/B	Base Average Power (dBm)			Tx Power Limit (dBm)	Frame Average Power (dBm)			Tx Power Limit (dBm)
	198	199	201		198	199	201	
Frequency (MHz)	813.2	813.4	813.6	19.2	19.4	19.6	19.8	20.0
DRM 1 Tx Rate	32.86	32.71	32.85	33.90	23.89	23.71	23.85	24.00
OPRS 1 Tx Rate	42.80	42.80	42.80	33.80	42.80	42.80	42.80	24.50
OPRS 2 Tx Rate	35.76	35.54	35.40	31.50	24.76	24.34	24.42	25.50
OPRS 3 Tx Rate	29.59	29.25	29.16	30.00	24.93	24.69	24.90	26.24
OPRS 4 Tx Rate	27.66	27.62	27.66	29.00	24.69	24.62	24.69	26.00
EDGE 1 Tx Rate	26.74	26.71	26.78	27.50	17.74	17.71	17.78	18.50
EDGE 2 Tx Rate	25.71	25.67	25.66	27.00	15.71	15.67	15.68	17.00
EDGE 3 Tx Rate	24.37	24.18	24.23	25.50	20.11	19.92	19.97	21.24
EDGE 4 Tx Rate	22.62	22.54	22.59	24.00	19.92	19.94	19.99	21.00

GSM900 A/B	Base Average Power (dBm)			Tx Power Limit (dBm)	Frame Average Power (dBm)			Tx Power Limit (dBm)
	198.2	199	199.9		189.2	190	190.8	
Frequency (MHz)	813.2	813	813.6	19.2	19.4	19.6	19.8	20.0
DRM 1 Tx Rate	24.84	24.47	24.54	25.00	15.64	15.67	15.64	16.00
OPRS 1 Tx Rate	24.86	24.72	24.80	25.00	15.65	15.72	15.65	16.00
OPRS 2 Tx Rate	21.80	21.76	21.80	23.00	15.60	15.76	15.89	17.00
OPRS 3 Tx Rate	20.76	20.50	20.70	22.00	16.50	16.54	16.44	17.14
OPRS 4 Tx Rate	18.28	18.29	18.30	20.50	16.28	16.23	16.30	17.50
EDGE 1 Tx Rate	16.36	16.44	16.50	17.00	11.36	11.44	11.50	12.50
EDGE 2 Tx Rate	15.38	15.72	15.23	16.50	13.39	13.72	13.23	14.50
EDGE 3 Tx Rate	17.50	18.2	17.53	18.50	14.50	14.55	14.74	14.74
EDGE 4 Tx Rate	16.03	16.73	16.51	17.50	13.03	13.73	13.51	14.50

Base TX Channel	WCDMA II A/B			Tx Power Limit (dBm)	WCDMA IV A/B			WCDMA V A/B			Tx Power Limit (dBm)	
	8092	8090	8088		1912	1413	1513	4132	4192	4228		
Frequency (MHz)	1852.4	1850	1849.6	1712.4	1712.6	1712.8	846.4	846.4	846.6	846.6	20.0	
ISPP Base0	17.00	17.70	16.90	16.00	17.70	17.00	17.00	21.50	22.25	22.25	24.00	
ISPP Base1	15.25	17.00	15.77	16.00	17.00	17.00	17.00	21.50	22.25	22.25	24.00	
ISPP Base2	16.31	16.54	16.20	17.00	16.16	16.52	16.16	16.90	22.34	22.29	21.90	23.00
ISPP Base3	15.13	16.22	15.92	17.00	15.10	16.00	15.70	16.00	22.22	22.32	22.15	23.00
ISPP Base4	15.65	15.73	15.75	16.50	15.69	15.50	15.70	16.40	21.70	21.76	21.64	22.50
ISPP Base5	15.65	15.80	15.65	16.50	15.76	15.74	15.76	16.40	21.66	21.76	21.66	22.50
ISPP Base6	16.32	16.18	16.13	17.00	16.35	16.32	16.31	16.90	22.21	22.19	21.94	23.00
ISPP Base7	16.17	16.28	16.22	17.00	16.20	16.30	16.15	16.90	22.20	22.24	21.97	23.00
ISPP Base8	15.02	15.60	15.61	16.50	15.02	15.70	15.83	16.40	21.66	21.71	21.45	22.50
ISPP Base9	15.72	15.61	15.60	16.50	15.70	15.84	15.78	16.40	21.66	21.70	21.58	22.50
ISPP Base10	15.92	16.18	16.00	17.00	15.97	16.21	16.10	16.90	22.28	22.30	22.01	23.00
ISPP Base11	14.23	14.17	14.09	15.00	14.36	14.38	14.28	14.90	20.25	20.21	20.10	21.00
ISPP Base12	14.14	14.20	14.16	16.00	14.36	14.34	14.18	14.90	21.16	21.22	21.00	22.00
ISPP Base13	14.12	14.11	14.08	16.00	14.25	14.20	14.25	14.90	20.18	20.12	20.10	21.00
ISPP Base14	16.27	16.22	16.07	17.00	16.34	16.40	16.33	16.90	22.21	22.12	22.16	23.00



Band 2 Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Turn-up (dB)	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Ch. Freq.	Time (min)	MPE (dB)	
20	QPSK	1	0	16.15	16.16	16.13				
20	QPSK	1	49	16.00	16.11	16.03	17.4	0		
20	QPSK	50	0	16.14	16.15	16.11				
20	QPSK	50	100	16.09	16.12	16.07	17.4	0		
20	QPSK	100	0	16.02	16.06	16.09				
20	QPSK	100	100	16.11	16.07	16.07	17.4	0		
20	16QAM	1	49	16.06	16.05	16.03	17.4	0		
20	16QAM	1	99	16.01	16.01	16.06				
20	16QAM	50	0	16.00	16.06	16.01	17.4	0		
20	16QAM	50	24	16.02	16.05	16.09				
20	16QAM	50	24	15.97	16.09	16.08	17.4	0		
20	16QAM	100	0	16.02	16.02	16.04				
20	16QAM	1	49	16.00	16.06	16.02	17.4	0		
20	16QAM	50	0	16.00	16.00	16.00				
20	16QAM	50	24	15.79	16.00	16.01	17.4	0		
20	16QAM	50	24	15.97	16.09	16.08				
20	16QAM	100	0	16.00	16.06	16.05				
20	16QAM	1	49	16.04	16.05	16.02	17.4	0		
20	256QAM	1	99	15.96	16.07	16.01				
20	256QAM	1	99	16.00	16.05	16.02	17.4	0		
20	256QAM	50	24	15.88	16.03	16.02				
20	256QAM	50	24	16.04	16.11	16.11				
20	256QAM	50	24	15.84	16.06	16.07				
20	256QAM	100	0	16.00	16.06	16.07				
20	256QAM	100	0	16.00	16.06	16.07				
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		

Band 4 Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Turn-up (dB)	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Ch. Freq.	Time (min)	MPE (dB)	
20	QPSK	1	0	16.16	16.19	16.18				
20	QPSK	1	49	16.08	16.02	16.09	17.3	0		
20	QPSK	50	0	16.17	16.18	16.09				
20	QPSK	50	100	16.16	16.12	16.08	17.3	0		
20	QPSK	100	0	16.06	16.18	16.12				
20	QPSK	100	100	16.09	16.16	16.07	17.3	0		
20	16QAM	1	49	15.98	16.03	16.07	17.3	0		
20	16QAM	1	99	15.86	16.07	16.07				
20	16QAM	50	0	16.17	16.00	16.06	17.3	0		
20	16QAM	50	24	15.96	16.10	16.08				
20	16QAM	50	24	15.88	16.08	16.04	17.3	0		
20	16QAM	100	0	16.13	16.07	16.10				
20	16QAM	1	49	16.07	16.17	16.05	17.4	0		
20	16QAM	50	0	16.11	16.09	16.06				
20	16QAM	50	24	15.85	16.00	16.06	17.3	0		
20	16QAM	50	24	16.07	16.00	16.01				
20	16QAM	100	0	16.07	16.00	16.01				
20	256QAM	1	49	16.00	16.04	16.07				
20	256QAM	1	99	15.90	16.03	16.03				
20	256QAM	50	24	15.87	16.00	16.02	17.3	0		
20	256QAM	50	24	16.00	16.09	16.06				
20	256QAM	50	24	15.80	16.06	16.07	17.3	0		
20	256QAM	100	0	16.06	16.13	16.07				
20	256QAM	100	0	16.06	16.13	16.07				
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		

Band 5 Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Turn-up (dB)	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Ch. Freq.	Time (min)	MPE (dB)	
10	QPSK	1	0	23.02	23.06	23.00				
10	QPSK	1	25	22.77	22.88	22.92	24	0		
10	QPSK	1	49	22.82	23.01	22.86				
10	QPSK	25	0	22.02	22.13	22.06				
10	QPSK	25	100	22.09	22.10	22.06	23	1		
10	QPSK	50	0	22.05	22.10	22.05				
10	QPSK	50	100	22.12	22.16	22.16	23	1		
10	16QAM	1	25	21.99	22.08	21.98				
10	16QAM	1	49	21.98	22.06	21.92	23	1		
10	16QAM	25	12	21.99	22.10	21.98	22	2		
10	16QAM	25	25	21.90	21.10	21.98				
10	16QAM	50	0	21.91	21.11	21.91				
10	16QAM	1	25	21.90	21.13	21.98				
10	16QAM	1	49	21.89	21.06	21.97	21	3		
10	16QAM	25	12	20.03	20.08	20.01				
10	16QAM	25	25	20.07	20.00	20.01				
10	16QAM	50	0	20.07	20.11	20.01				
10	16QAM	1	25	20.03	20.08	20.01	21	3		
10	256QAM	1	49	17.91	17.94	17.85				
10	256QAM	1	49	18.04	18.06	18.07				
10	256QAM	25	12	17.94	18.00	17.97	19	5		
10	256QAM	25	25	17.89	18.09	17.84				
10	256QAM	50	0	18.04	18.06	18.07				
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		

Band 7 Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Turn-up (dB)	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Ch. Freq.	Time (min)	MPE (dB)	
20	QPSK	1	0	17.49	17.43	17.61				
20	QPSK	1	49	17.44	17.45	17.37	18.7	0		
20	QPSK	50	0	17.47	17.58	17.36				
20	QPSK	50	100	17.47	17.51	17.36	18.7	0		
20	QPSK	50	100	17.46	17.43	17.35				
20	16QAM	1	49	17.33	17.34	17.24	18.7	0		
20	16QAM	1	99	17.31	17.47	17.53				
20	16QAM	50	0	17.32	17.42	17.34	18.7	0		
20	16QAM	50	24	17.32	17.45	17.34				
20	16QAM	50	24	17.19	17.46	17.46	18.7	0		
20	16QAM	100	0	17.31	17.42	17.42				
20	16QAM	1	49	17.32	17.41	17.42	18.7	0		
20	16QAM	1	99	17.38	17.27	17.16				
20	16QAM	50	0	17.32	17.42	17.39	18.7	0		
20	16QAM	50	24	17.22	17.52	17.51	18.7	0		
20	16QAM	50	24	17.31	17.42	17.36				
20	256QAM	1	49	17.31	17.41	17.27	18.7	0		
20	256QAM	1	99	17.37	17.39	17.35				
20	256QAM	50	24	17.38	17.43	17.34	18.7	0		
20	256QAM	50	24	17.28	17.48	17.32				
20	256QAM	50	24	17.30	17.52	17.48	18.7	0		
20	256QAM	100	0	17.32	17.50	17.35				
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		

Band 3 Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power (W)	Power (W)	Power (W)	Turn-up (dB)	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Ch. Freq.	Time (min)	MPE (dB)	
15	QPSK	1	0	15.99	15.99	15.92				
15	QPSK	1	49	15.88	15.93	15.87	17.4	0		
15	QPSK	1	74	15.94	15.96	15.97				
15	QPSK	36	0	16.04	16.02	16.02				
15	QPSK	36	100	15.96	16.03	16.03	17.3	0		
15	QPSK	36	39	16.04	16.02	15.88				
15	16QAM	1	49	15.96	16.09	16.01				
15	16QAM	1	74	15.93	16.03	15.89	17.4	0		
15	16QAM	36	20	16.06	16.04	16.04				
15	16QAM	36	20	15.96	16.09	15.78	17.4	0		
15	16QAM	75	0	16.02	16.06	16.04				
15	16QAM	75	0	15.95	16.06	15.77	17.4	0		
15	16QAM	100	0	15.97	16.07	16.03				
15	16QAM	1	74	15.98	16.03	15.85				
15	16QAM	36	0	15.97	16.05	15.82				
15	16QAM	36	100	15.95	16.05	15.90	17.3	0		
15	16QAM	36	39	16.04	16.02	15.82				
15	16QAM	75	0	15.96	16.09	15.74				
15	16QAM	75	0	15.84	16.03	15.81				
15	256QAM	1	37	15.95	16.05	15.89	17.3	0		
15	256QAM	1	37	15.97	16.09	15.91				
15	256QAM	36	20	16.03	16.04	16.04	17.4	0		
15	256QAM	36	39	16.04	16.03	16.03				
15	256QAM	75	0	15.98	16.09	15.81				
15	256QAM	75	0	15.78	16.04	15.77	17.4	0		
15	256QAM	100	0	15.94	16.08	15.95				
15	256QAM	100	0	15.84	16.07	15.82				
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		
Channel		Frequency (MHz)			Ch. Freq.	Ch. Freq.	Time (min) <td>MPE (dB)</td> <td></td> <td></td>	MPE (dB)		



Band 12 Ant0													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Max Ch. / Freq.	Turn-up limit (dB)	MPE (dB)					
Channel													
704 707.5 711													
10	QPSK	1	0	23.18	23.27	23.21	24	0					
10	QPSK	1	25	23.02	23.08	22.99							
10	QPSK	1	49	22.98	22.16	22.00							
10	QPSK	25	0	22.98	22.16	22.00							
10	QPSK	25	13	22.15	22.21	22.12	23	1					
10	QPSK	25	25	22.01	22.08	21.84							
10	QPSK	50	0	22.08	22.14	22.09							
10	HQAM	1	0	22.15	22.21	22.12							
10	HQAM	1	25	22.08	22.17	22.08	23	1					
10	HQAM	1	49	22.03	22.07	21.94							
10	HQAM	25	0	22.08	22.15	22.06							
10	HQAM	25	12	21.87	21.13	21.05	22	2					
10	HQAM	25	25	21.04	21.04	20.95							
10	HQAM	50	0	21.05	21.11	21.10							
10	HQAM	1	0	21.17	21.14	21.16							
10	HQAM	1	25	21.04	21.11	20.96	22	2					
10	HQAM	1	49	20.99	21.02	20.99							
10	HQAM	25	0	20.99	20.11	19.91							
10	HQAM	25	12	19.97	20.12	20.05							
10	HQAM	25	25	20.01	20.05	19.95	21	3					
10	HQAM	50	0	19.99	20.14	20.02							
10	ZSSBAM	1	0	18.12	18.16	18.14							
10	ZSSBAM	1	25	17.95	18.08	18.04	19	5					
10	ZSSBAM	1	49	18.00	18.08	17.94							
10	ZSSBAM	25	0	18.02	18.14	18.04							
10	ZSSBAM	25	12	17.99	18.16	18.03	19	5					
10	ZSSBAM	25	25	18.00	18.03	18.00							
10	ZSSBAM	50	0	18.05	18.09	18.02							
Channel													
704.5 707.5 710.5													
5	QPSK	1	0	23.08	23.16	23.11	24	0					
5	QPSK	1	12	22.92	23.02	22.96							
5	QPSK	1	24	22.86	22.99	22.85							
5	QPSK	12	0	21.93	22.10	21.94							
5	QPSK	12	7	21.03	21.98	21.82	23	1					
5	QPSK	12	13	21.03	21.86	21.82							
5	QPSK	25	0	22.01	22.03	22.00							
5	HQAM	1	0	22.09	22.16	21.98							
5	HQAM	1	12	22.05	22.13	22.01	23	1					
5	HQAM	1	24	21.99	21.99	21.82							
5	HQAM	12	0	20.85	21.01	21.00							
5	HQAM	12	7	21.01	21.08	20.98	22	2					
5	HQAM	12	13	20.98	21.02	20.95							
5	HQAM	25	0	20.93	21.06	21.00							
5	HQAM	1	0	21.04	21.04	21.03							
5	HQAM	1	12	21.06	21.06	21.01	22	2					
5	HQAM	1	24	20.97	20.94	20.95							
5	HQAM	12	0	19.89	20.01	19.88							
5	HQAM	12	7	21.06	21.04	21.05							
5	HQAM	12	13	19.95	19.94	19.91	21	3					
5	HQAM	25	0	19.87	20.07	19.86							
5	ZSSBAM	1	0	17.88	18.00	17.93							
5	ZSSBAM	1	12	17.80	18.04	17.92	19	5					
5	ZSSBAM	1	24	17.88	17.97	17.89							
5	ZSSBAM	12	0	17.87	18.02	17.91							
5	ZSSBAM	12	7	17.88	18.03	17.93	19	5					
5	ZSSBAM	12	13	17.92	17.95	17.96							
5	ZSSBAM	25	0	18.01	18.06	18.05							
Channel													
709.5 707.5 714.5													
3	QPSK	1	0	23.07	23.19	23.08	24	0					
3	QPSK	1	8	22.97	23.11	22.94							
3	QPSK	1	14	22.90	23.00	22.96							
3	QPSK	8	0	21.88	21.97	21.84							
3	QPSK	8	4	21.94	21.99	21.90	23	1					
3	QPSK	8	7	21.88	21.94	21.87							
3	HQAM	1	0	22.09	22.10	22.08							
3	HQAM	1	8	21.98	22.14	21.96	23	1					
3	HQAM	1	14	21.97	21.95	21.81							
3	HQAM	8	0	20.94	21.08	20.95							
3	HQAM	8	4	21.03	21.02	21.00	22	2					
3	HQAM	8	7	20.96	20.91	20.82							
3	HQAM	15	0	20.90	21.01	20.97							
3	HQAM	1	0	21.03	21.07	21.07							
3	HQAM	1	8	21.01	20.96	20.87	22	2					
3	HQAM	1	14	20.93	20.90	20.91							
3	HQAM	8	0	19.94	19.99	19.97							
3	HQAM	8	4	19.89	20.02	19.94							
3	HQAM	8	7	19.89	19.99	19.82	21	3					
3	HQAM	15	0	19.94	20.07	19.90							
3	ZSSBAM	1	0	18.04	18.04	18.00							
3	ZSSBAM	1	8	17.89	17.99	17.92	19	5					
3	ZSSBAM	1	14	17.88	17.96	17.86							
3	ZSSBAM	8	0	17.87	18.06	17.90							
3	ZSSBAM	8	4	17.81	18.09	17.88	19	5					
3	ZSSBAM	8	7	17.94	17.90	17.85							
3	ZSSBAM	15	0	18.01	18.07	18.07							
Channel													
709.5 707.5 716.5													
1.4	QPSK	1	0	23.12	23.09	23.08	24	0					
1.4	QPSK	1	3	22.99	23.10	22.96							
1.4	QPSK	1	5	22.94	22.94	22.92							
1.4	QPSK	3	0	22.01	22.07	22.05							
1.4	QPSK	3	1	22.90	23.00	22.94							
1.4	QPSK	3	3	22.91	23.01	22.81	23	1					
1.4	HQAM	1	0	21.98	22.06	22.04							
1.4	HQAM	1	3	22.03	22.05	22.02							
1.4	HQAM	1	5	21.91	22.02	21.89							
1.4	HQAM	3	0	21.85	22.02	22.01	23	1					
1.4	HQAM	3	1	21.96	22.04	21.95							
1.4	HQAM	3	3	22.00	22.01	21.84							
1.4	HQAM	6	0	20.95	21.06	20.96	22	2					
1.4	HQAM	1	0	21.09	21.08	21.05							
1.4	HQAM	3	0	20.99	21.05	20.91							
1.4	HQAM	1	5	20.90	20.95	20.85	22	2					
1.4	HQAM	3	0	20.89	21.01	20.79							
1.4	HQAM	3	1	20.85	21.04	21.01							
1.4	HQAM	3	3	20.89	20.97	20.89							
1.4	HQAM	6	0	19.96	20.01	19.91	21	3					
1.4	ZSSBAM	1	0	18.05	18.07	18.11							
1.4	ZSSBAM	1	3	17.85	17.99	17.92							
1.4	ZSSBAM	1	5	17.87	17.96	17.86	19	5					
1.4	ZSSBAM	3	0	17.82	18.10	17.86							
1.4	ZSSBAM	3	1	17.84	18.11	17.90							
1.4	ZSSBAM	3	3	17.93	17.89	17.84	19	5					
1.4	ZSSBAM	6	0	18.03	18.00	17.99							

Band 13 Ant0													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power Max Ch. / Freq.	Turn-up limit (dB)	MPE (dB)					
Channel													
762													
10	QPSK	1	0	23.09			24	0					
10	QPSK	1	25	23.07									
10	QPSK	1	49	23.01									
10	QPSK	25	0	22.13			23	1					
10	QPSK	25	12	22.08									
10	QPSK	25	25	22.06									
10	QPSK	50	0	22.17									
10	HQAM	1	0	22.06									
10	HQAM	1	25	21.99			23	1					
10	HQAM	1	49	22.02									
10	HQAM	25	0	21.06									
10	HQAM	25	12	20.99			22	2					
10	HQAM	25	25	20.97									
10	HQAM	50	0	21.13									
10	HQAM	1	0	21.09									
10	HQAM	1	25	20.96			22	2					
10	HQAM	1	49	21.09									
10	HQAM	25	0	20.93									
10	HQAM	25	12	19.95			21	3					
10	HQAM	25	25	20.00									
10	HQAM	50	0	20.00									
10	ZSSBAM	1	0	18.04									
10	ZSSBAM	1	25	18.11			19	5					



Band 25 Ant0													
BW (MHz)	Modulation	RL Size	RH Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Max Ch./Freq.	Turn-up limit (dB)	MFR (dB)					
Channel													
Frequency (MHz)													
20	QPSK	1	0	16.24	16.30	16.36			17.4	0			
20	QPSK	1	48	16.81	16.87	16.93							
20	QPSK	1	96	16.81	16.99	16.94							
20	QPSK	50	0	16.03	16.18	16.58			17.4	0			
20	QPSK	50	24	15.88	16.14	16.58							
20	QPSK	50	50	16.03	16.14	16.04							
20	QPSK	100	0	15.88	16.08	15.97			17.4	0			
20	QPSK	100	0	15.91	16.01	15.97							
20	16QAM	1	48	15.78	15.97	15.76			17.4	0			
20	16QAM	1	96	15.79	15.77	15.83							
20	16QAM	50	0	15.82	15.95	15.86							
20	16QAM	50	24	15.75	15.88	15.81							
20	16QAM	50	50	15.99	16.01	15.95			17.4	0			
20	16QAM	100	0	15.86	15.88	15.83							
20	16QAM	100	0	16.01	16.06	15.99							
20	84QAM	1	48	15.83	15.98	15.87			17.4	0			
20	84QAM	50	0	15.94	16.11	15.87							
20	84QAM	50	24	15.84	15.91	15.77			17.4	0			
20	84QAM	50	50	15.83	15.91	15.84							
20	84QAM	100	0	15.79	15.87	15.88			17.4	0			
20	256QAM	1	48	15.92	15.98	15.82							
20	256QAM	1	96	15.88	15.89	15.94			17.4	0			
20	256QAM	50	0	15.98	16.01	15.97							
20	256QAM	50	24	15.81	15.99	15.84							
20	256QAM	50	50	16.01	16.06	15.97			17.4	0			
20	256QAM	100	0	15.86	15.89	15.87							
Channel													
Frequency (MHz)													
15	QPSK	1	0	18.85	18.80	18.63			17.4	0			
15	QPSK	1	37	18.86	18.93	18.74							
15	QPSK	1	74	16.75	16.93	16.78							
15	QPSK	36	0	19.04	19.00	19.87			17.4	0			
15	QPSK	36	25	19.83	19.81	19.70							
15	QPSK	36	39	19.83	19.90	19.87			17.4	0			
15	QPSK	75	0	19.83	19.81	19.71							
15	16QAM	1	0	19.89	19.90	19.81			17.4	0			
15	16QAM	1	37	15.84	15.91	15.81							
15	16QAM	1	74	15.81	15.93	15.80							
15	16QAM	36	0	15.91	15.98	15.89			17.4	0			
15	16QAM	36	29	15.84	15.90	15.89							
15	16QAM	36	49	15.82	15.98	15.81							
15	16QAM	75	0	15.82	15.88	15.71			17.4	0			
15	84QAM	1	0	15.79	15.98	15.79							
15	84QAM	1	37	15.81	15.99	15.81			17.4	0			
15	84QAM	1	74	15.81	16.18	15.87							
15	84QAM	36	0	15.77	15.92	15.80			17.4	0			
15	84QAM	36	29	15.78	15.93	15.78							
15	84QAM	36	39	15.82	16.00	15.85							
15	84QAM	75	0	15.83	15.98	15.74			17.4	0			
15	256QAM	1	37	15.73	16.00	15.69							
15	256QAM	1	74	15.81	15.91	15.86			17.4	0			
15	256QAM	36	0	15.82	15.90	15.88							
15	256QAM	36	29	15.71	15.91	15.84			17.4	0			
15	256QAM	36	39	15.82	15.97	15.82							
15	256QAM	75	0	15.78	15.87	15.87			17.4	0			
Channel													
Frequency (MHz)													
20000	QPSK	26340	30540				Turn-up	MFR					
Channel													
Frequency (MHz)													
15	QPSK	1	0	18.85	18.80	19.10	Turn-up	MFR					
15	QPSK	1	25	15.84	16.04	15.74			17.4	0			
15	QPSK	1	49	16.01	15.84	15.82							
15	QPSK	12	0	19.80	19.88	19.88			17.4	0			
15	QPSK	25	12	15.70	15.97	15.74							
15	QPSK	25	25	15.86	15.83	15.94			17.4	0			
15	16QAM	1	0	15.88	15.97	15.84							
15	16QAM	1	24	15.86	15.79	15.59			17.4	0			
15	16QAM	1	48	15.76	15.79	15.87							
15	16QAM	25	0	15.82	15.83	15.73							
15	16QAM	25	12	15.72	15.72	15.75			17.4	0			
15	16QAM	50	0	15.74	15.81	15.75							
15	84QAM	1	0	16.02	15.91	15.83			17.4	0			
15	84QAM	1	24	15.88	15.99	15.87							
15	84QAM	1	49	15.88	15.70	15.57							
15	84QAM	25	0	15.84	16.02	15.79			17.4	0			
15	84QAM	25	12	15.75	15.98	15.81							
15	84QAM	50	0	15.95	15.74	15.75							
15	84QAM	50	24	15.78	15.97	15.78			17.4	0			
15	84QAM	50	24	15.74	15.81	15.75							
15	84QAM	100	0	15.80	15.99	15.81			17.4	0			
15	84QAM	100	0	15.86	15.70	15.57							
15	256QAM	1	28	15.88	15.99	15.81			17.4	0			
15	256QAM	1	49	15.86	16.16	15.81							
15	256QAM	12	0	15.80	15.97	15.82			17.4	0			
15	256QAM	12	13	15.78	15.78	15.83							
15	256QAM	25	12	15.80	16.00	15.80			17.4	0			
15	256QAM	25	25	15.80	16.00	15.80							
15	256QAM	50	0	15.98	15.81	15.83			17.4	0			
Channel													
Frequency (MHz)													
20000	QPSK	26340	30540				Turn-up	MFR					
Channel													
Frequency (MHz)													
15	QPSK	1	0	18.85	18.80	19.10	Turn-up	MFR					
15	QPSK	1	25	15.84	16.04	15.74			17.4	0			
15	QPSK	1	49	16.01	15.84	15.82							
15	QPSK	12	0	19.80	19.88	19.88			17.4	0			
15	QPSK	25	12	15.70	15.97	15.74							
15	QPSK	25	25	15.86	15.83	15.94			17.4	0			
15	16QAM	1	0	15.88	15.97	15.84							
15	16QAM	1	24	15.86	15.79	15.59			17.4	0			
15	16QAM	1	48	15.76	15.79	15.87							
15	16QAM	25	0	15.82	15.83	15.73							
15	16QAM	25	12	15.72	15.72	15.75			17.4	0			
15	16QAM	50	0	15.74	15.81	15.75							
15	84QAM	1	0	16.02	15.91	15.83			17.4	0			
15	84QAM	1	24	15.88	15.99	15.87							
15	84QAM	1	49	15.88	15.70	15.57							
15	84QAM	25	0	15.84	16.02	15.79			17.4	0			
15	84QAM	25	12	15.75	15.98	15.81							
15	84QAM	50	0	15.95	15.74	15.75							
15	84QAM	50	24	15.78	15.97	15.78			17.4	0			
15	84QAM	50	24	15.74	15.81	15.75							
15	84QAM	100	0	15.80	15.99	15.81			17.4	0			
15	84QAM	100	0	15.86	15.70	15.57							
15	256QAM	1	28	15.88	15.99	15.81			17.4	0			
15	256QAM	1	49	15.86	16.16	15.81							
15	256QAM	12	0	15.80	15.97	15.82			17.4	0			
15	256QAM	12	13	15.78	15.78	15.83							
15	256QAM	25	12	15.80	16.00	15.80			17.4	0			
15	256QAM	25	25	15.80	16.00	15.80							
15	256QAM	50	0	15.98	15.81	15.83			17.4	0			

Band 26 Ant0													
BW (MHz)	Modulation	RL Size	RH Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power Max Ch./Freq.	Turn-up limit (dB)	MFR (dB)					
Channel													
Frequency (MHz)													
15	QPSK	1	0	22.91	23.11	22.67			24	0			
15	QPSK	1	37	22.88	22.82	22.83							
15	QPSK	1	74	22.88	22.90	22.87							
15	QPSK	36	0	21.88	21.96	21.81			23	1			
15	QPSK	36	25	21.89	21.93	21.93							
15	QPSK	36	39	21.79	21.91	21.82							
15	QPSK	75	0	21.95	22.03	21.88			23	1			
15	16QAM	1	0	21.90	21.91	21.98							
15	16QAM	1	37	21.86	21.90	21.74							
15	16QAM	1	74	21.89	21.93	21.85							
15	16QAM	36	0	20.94	20.94	20.93			22	2			
15	16QAM	36	20	20.82	20.94	20.83							
15	16QAM	36	39	20.77	20.96	20.81							
15	16QAM	75	0	21.02	21.00	20.96							
15	84QAM	1	0	20.91	21.03	20.93			22	2			
15	84QAM	1	37	20.88	20.82	20.76							
15	84QAM	1	74	20.85	20.88	20.86							
15	84QAM	36	0	19.99	19.86	19.87			21	3			
15													



Band 38 Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up Int. (dBm)	MPR (dB)
Channel				37850	38050	38150		
Frequency (MHz)				2510	2530	2550		
20	QPSK	1	0	19.67	19.60	20.07	20.8	0
20	QPSK	1	40	19.47	19.60	19.38		
20	QPSK	1	80	19.28	19.60	19.67		
20	QPSK	50	0	19.60	19.60	19.67		
20	QPSK	50	24	19.67	19.67	19.67	20.8	0
20	QPSK	100	0	19.48	19.60	19.28		
20	HQAM	1	0	19.60	19.60	19.68	20.8	0
20	HQAM	1	40	19.27	19.60	19.56		
20	HQAM	1	80	19.57	19.50	19.54		
20	HQAM	50	0	19.60	19.60	19.31		
20	HQAM	50	24	19.50	19.60	19.49	20.8	0
20	HQAM	100	0	19.28	19.40	19.53		
20	HQAM	100	1	19.55	19.40	19.63		
20	HQAM	1	40	19.41	19.40	19.40	20.8	0
20	HQAM	1	80	19.65	19.50	19.52		
20	HQAM	50	0	19.58	19.50	19.40		
20	HQAM	50	24	19.48	19.41	19.53	20.8	0
20	HQAM	50	50	19.49	19.60	19.49		
20	HQAM	100	0	19.33	19.38	19.53		
20	ZSSBAM	1	0	17.80	18.11	18.12		
20	ZSSBAM	1	40	17.62	17.60	17.60	19.2	1.6
20	ZSSBAM	1	80	17.60	17.60	18.14		
20	ZSSBAM	50	0	17.60	17.60	18.07		
20	ZSSBAM	50	24	18.04	18.00	18.00	19.2	1.6
20	ZSSBAM	50	50	17.87	18.00	17.85		
20	ZSSBAM	100	0	17.60	17.60			
Channel				37850	38050	38150		
Frequency (MHz)				2577.5	2597.5	2617.5		
15	QPSK	1	0	20.07	19.50	20.07	20.8	0
15	QPSK	1	37	19.39	19.60	19.51		
15	QPSK	1	74	19.46	19.67	19.40		
15	QPSK	36	0	19.60	19.60	19.46		
15	QPSK	36	20	19.40	19.40	19.40	20.8	0
15	HQAM	1	0	19.33	19.40	19.40		
15	HQAM	1	74	19.47	19.50	19.38	20.8	0
15	HQAM	36	0	19.60	19.53	19.49		
15	HQAM	36	20	19.28	19.40	19.32	20.8	0
15	HQAM	36	59	19.23	19.60	19.31		
15	HQAM	75	0	19.50	19.40	19.40		
15	HQAM	1	0	19.44	19.50	19.59		
15	HQAM	1	37	19.42	19.30	19.38	20.8	0
15	HQAM	1	74	19.50	19.40	19.37		
15	HQAM	36	0	19.50	19.40	19.30		
15	HQAM	36	20	19.38	19.30	19.34	20.8	0
15	HQAM	75	0	19.45	19.30	19.40		
15	ZSSBAM	1	0	17.63	17.60	17.63		
15	ZSSBAM	1	37	17.63	17.70	17.83	19.2	1.6
15	ZSSBAM	1	74	17.76	17.60	18.03		
15	ZSSBAM	36	0	18.01	17.70	17.92		
15	ZSSBAM	36	20	17.61	18.01	17.66	19.2	1.6
15	ZSSBAM	36	59	17.80	17.90	17.83		
15	ZSSBAM	75	0	17.43	17.47	17.70		
Channel				37850	38050	38150		
Frequency (MHz)				2610	2630	2650		
10	QPSK	1	0	19.60	19.60	19.57	20.8	0
10	QPSK	1	25	19.30	19.50	19.57		
10	QPSK	1	49	19.40	19.60	19.40		
10	QPSK	1	73	19.60	19.60	19.60		
10	QPSK	25	12	19.40	19.47	19.50	20.8	0
10	QPSK	25	25	19.44	19.40	19.46		
10	HQAM	1	0	19.30	19.40	19.50		
10	HQAM	1	0	19.37	19.50	19.53		
10	HQAM	1	25	19.30	19.40	19.50	20.8	0
10	HQAM	1	49	19.50	19.30	19.41		
10	HQAM	25	0	19.40	19.50	19.51		
10	HQAM	25	12	19.42	19.40	19.30	20.8	0
10	HQAM	25	26	19.40	19.40	19.30		
10	HQAM	50	0	19.17	19.40	19.32		
10	HQAM	1	0	19.34	19.20	19.40		
10	HQAM	1	25	19.30	19.20	19.30	20.8	0
10	HQAM	25	0	19.44	19.37	19.40		
10	HQAM	25	12	19.37	19.23	19.40	20.8	0
10	HQAM	25	25	19.31	19.40	19.40		
10	HQAM	50	0	19.30	19.20	19.47		
10	ZSSBAM	1	0	17.82	17.97	18.00		
10	ZSSBAM	1	29	17.86	17.74	17.82	19.2	1.6
10	ZSSBAM	1	49	17.78	17.80	17.97		
10	ZSSBAM	25	0	17.80	17.70	17.83		
10	ZSSBAM	25	11	18.00	17.60	17.66	19.2	1.6
10	ZSSBAM	25	26	17.70	17.85	17.81		
10	ZSSBAM	50	0	17.50	17.60	17.84		
Channel				37850	38050	38150		
Frequency (MHz)				2672.5	2692.5	2712.5		
5	QPSK	1	0	19.60	19.60	19.56	20.8	0
5	QPSK	1	11	19.40	19.67	19.50		
5	QPSK	1	24	19.40	19.50	19.61		
5	QPSK	12	0	19.30	19.50	19.57		
5	QPSK	12	7	19.44	19.37	19.47	20.8	0
5	QPSK	12	13	19.50	19.50	19.64		
5	HQAM	1	0	19.28	19.40	19.44		
5	HQAM	1	12	19.31	19.40	19.47	20.8	0
5	HQAM	1	24	19.51	19.37	19.40		
5	HQAM	12	0	19.50	19.50	19.30		
5	HQAM	12	7	19.28	19.40	19.28	20.8	0
5	HQAM	12	31	19.44	19.57	19.40		
5	HQAM	25	0	19.34	19.20	19.41		
5	HQAM	1	0	19.48	19.31	19.63	20.8	0
5	HQAM	1	12	19.41	19.30	19.30		
5	HQAM	1	24	19.60	19.40	19.40		
5	HQAM	12	0	19.50	19.40	19.30		
5	HQAM	12	7	19.34	19.20	19.41	20.8	0
5	HQAM	12	13	19.36	19.50	19.42		
5	HQAM	25	0	19.33	19.17	19.40		
5	ZSSBAM	1	0	17.50	17.54	18.07		
5	ZSSBAM	1	12	17.76	17.80	17.71	19.2	1.6
5	ZSSBAM	1	24	17.68	17.60	17.68		
5	ZSSBAM	12	7	17.87	17.97	17.88	19.2	1.6
5	ZSSBAM	12	11	17.80	17.80	17.70		
5	ZSSBAM	25	0	17.50	17.61	17.85		

Band 38 HPUE Ant0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up Int. (dBm)	MPR (dB)
Channel				37850	38050	38150		
Frequency (MHz)				2680	2680	2680		
20	QPSK	1	0	21.74	21.18	21.50	22.4	0
20	QPSK	1	49	21.69	21.66	21.71		
20	QPSK	1	99	21.67	21.67	21.71		
20	QPSK	50	0	21.67	21.77	21.60		
20	QPSK	50	24	21.84	21.60	21.62	22.4	0
20	QPSK	100	0	21.60	21.71	21.60		
20	QPSK	100	0	21.61	21.63	21.52		
20	16QAM	1	0	21.81	21.63	21.67	22.4	0
20	16QAM	1	49	21.71	21.66	21.63		
20	16QAM	1	99	21.40	21.68	21.66		
20	16QAM	50	0	21.40	21.77	21.42		
20	16QAM	50	24	21.68	21.54	21.48	22.4	0
20	16QAM	50	50	21.62	21.70	21.53		
20	16QAM	100	0	21.42	21.40	21.40		
20	16QAM	100	1	21.70	21.57	21.50		
20	16QAM	1	49	21.65	21.64	21.56	22.4	0
20	16QAM	1	99	21.60	21.60	21.60		
20	16QAM	50	0	21.40	21.72	21.40		
20	16QAM	50	24	21.86	21.39	21.41	22.4	0
20	16QAM	50	50	21.62	21.57	21.50		
20	16QAM	100	0	21.54	21.53	21.44		
20	ZSSBAM	1	0	21.43	21.27	21.34		
20	ZSSBAM	1	49	21.20	21.33	21.30	22	0.4
20	ZSSBAM	1	99	21.09	21.20	21.26		
20	ZSSBAM	50	0	21.17	21.47	21.40		
20	ZSSBAM	50	24	21.28	21.19	21.20	22	0.4
20	ZSSBAM	50	50	21.23	21.30	21.40		
20	ZSSBAM	100	0	21.37	21.34	21.30		
Channel				37850	38050	38150		
Frequency (MHz)				2717.5	2737.5	2757.5		
15	QPSK	1	0	21.41	21.18	21.50	22.4	0
15	QPSK	1	37	21.63	21.67	21.67		
15	QPSK	1	74	21.42	21.68	21.62		
15	QPSK	36	0	21.40	21.60	21.50		
15	QPSK	36	20	21.62	21.44	21.58	22.4	0
15	HQAM	1	0	21.49	21.58	21.58		
15	HQAM	1	0	21.40	21.44	21.54		
15	HQAM	1	37	21.63	21.60	21.46	22.4	0
15	HQAM	1	74	21.54	21.46	21.57		
15	HQAM	36	0	21.30	21.59	21.31		
15	HQAM	36	20	21.50	21.53	21.41	22.4	0
15	HQAM	75	0	21.58	21.26	21.36		
15	HQAM	1	0	21.77	21.61	21.50		
15	HQAM	1	37	21.58	21.57	21.58	22.4	0
15	HQAM	1	74	21.27	21.46	21.50		
15	HQAM	36	0	21.40	21.60	21.54		
15	HQAM	36	20	21.51	21.36	21.42	22.4	0
15	HQAM	75	0	21.40	21.20	21.20		
15	ZSSBAM	1	0	21.38	21.11	21.20		
15	ZSSBAM	1	37	21.02	21.10	21.21	22	0.4
15	ZSSBAM	1	74	21.08	20.98	21.21		
15	ZSSBAM	36	0	21.10	21.29	21.10		
15	ZSSBAM	36	20	21.27	21.02	21.07	22	0.4
15	ZSSBAM	36	59	21.16	21.14			



Band 41 Ant0												
RW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Mids Ch / Freq	Power High Mids Ch / Freq	Power Low Higs Ch / Freq	Power High Higs Ch / Freq	Turn-up Init (dBm)	MPR (dB)	
Channel												
Frequency (MHz)				39750	40198	40650	41098	41550	41998			
20	QPSK	1	0	19.24	19.24	19.24	19.24	19.24	19.24			
20	QPSK	1	40	19.33	19.44	19.48	19.54	19.64	19.63	20.8	0	
20	QPSK	1	80	19.33	19.46	19.54	19.61	19.67	19.67			
20	QPSK	50	0	19.24	19.51	19.68	19.58	19.47				
20	QPSK	50	24	19.26	19.44	19.65	19.61	19.46		20.8	0	
20	QPSK	50	48	19.33	19.37	19.55	19.55	19.47				
20	QPSK	100	0	19.37	19.32	19.58	19.56	19.47				
20	HQAM	1	0	19.37	19.47	19.60	19.59	19.52				
20	HQAM	1	40	19.29	19.46	19.49	19.61	19.43		20.8	0	
20	HQAM	1	80	19.28	19.38	19.55	19.31	19.57				
20	HQAM	1	120	19.17	19.30	19.63	19.56	19.50				
20	HQAM	50	24	19.31	19.29	19.49	19.55	19.50				
20	HQAM	50	50	19.25	19.31	19.61	19.38	19.64		20.8	0	
20	HQAM	100	0	19.37	19.35	19.57	19.67	19.70				
20	HQAM	100	0	19.15	19.34	19.55	19.55	19.55				
20	HQAM	1	40	19.32	19.48	19.48	19.43	19.48		20.8	0	
20	HQAM	1	80	19.33	19.35	19.56	19.45	19.52				
20	HQAM	50	0	19.28	19.48	19.55	19.59	19.55				
20	HQAM	50	24	19.34	19.50	19.69	19.59	19.49		20.8	0	
20	HQAM	50	50	19.19	19.37	19.51	19.43	19.44				
20	HQAM	100	0	19.28	19.39	19.50	19.42	19.60				
20	ZSFGM	1	0	17.83	17.81	18.14	18.14	18.06				
20	ZSFGM	1	40	17.65	17.79	17.92	17.92	17.81		19	1.8	
20	ZSFGM	1	80	17.61	17.86	17.97	17.83	17.99				
20	ZSFGM	50	0	17.67	17.80	18.02	17.97	17.79				
20	ZSFGM	50	24	17.72	17.84	18.05	17.89	17.90		19	1.8	
20	ZSFGM	50	50	17.62	17.79	17.88	17.81	17.89				
20	ZSFGM	100	0	17.65	17.77	17.99	17.94	17.86				

Band 41 HPUE Ant0												
RW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Mids Ch / Freq	Power High Mids Ch / Freq	Power Low Higs Ch / Freq	Power High Higs Ch / Freq	Turn-up Init (dBm)	MPR (dB)	
Channel												
Frequency (MHz)				39750	40198	40650	41098	41550	41998			
20	QPSK	1	0	21.54	21.54	21.54	21.54	21.54	21.54			
20	QPSK	1	40	21.41	21.56	21.64	21.64	21.58	21.56	22.4	0	
20	QPSK	1	80	21.30	21.59	21.61	21.62	21.57	21.59			
20	QPSK	50	0	21.53	21.53	21.77	21.69	21.70				
20	QPSK	50	24	21.27	21.55	21.75	21.74	21.68		22.4	0	
20	QPSK	50	48	21.33	21.55	21.76	21.67	21.67				
20	QPSK	100	0	21.33	21.50	21.68	21.67	21.67				
20	HQAM	1	0	21.26	21.44	21.48	21.59	21.57				
20	HQAM	1	40	21.32	21.31	21.46	21.41	21.62		22.4	0	
20	HQAM	1	80	21.28	21.33	21.52	21.36	21.70				
20	HQAM	50	0	21.27	21.46	21.49	21.53	21.42				
20	HQAM	50	24	21.27	21.19	21.52	21.43	21.58		22.4	0	
20	HQAM	50	50	21.20	21.52	21.67	21.64	21.62				
20	HQAM	100	0	21.20	21.49	21.62	21.69	21.55				
20	HQAM	1	40	21.32	21.24	21.44	21.38	21.60		22.4	0	
20	HQAM	1	80	21.32	21.32	21.71	21.61	21.59				
20	HQAM	50	0	21.42	21.40	21.64	21.55	21.40				
20	HQAM	50	24	21.23	21.24	21.54	21.54	21.54		22.4	0	
20	HQAM	50	50	21.31	21.55	21.72	21.67	21.66				
20	HQAM	100	0	21.19	21.42	21.61	21.67	21.51				
20	ZSFGM	1	0	21.00	21.20	21.42	21.46	21.41				
20	ZSFGM	1	40	21.07	21.22	21.24	21.39	21.27		22	0.4	
20	ZSFGM	1	80	21.00	21.15	21.28	21.37	21.33				
20	ZSFGM	50	0	21.00	21.06	21.39	21.38	21.39				
20	ZSFGM	50	24	21.03	21.12	21.37	21.25	21.29		22	0.4	
20	ZSFGM	50	50	21.02	20.92	21.33	21.37	21.37				
20	ZSFGM	100	0	20.99	21.08	21.33	21.30	21.30				



Band 5 Ant1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High F / Freq	Tune-up freq (dB)	MRR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.33	23.36	23.26		24	0		
10	QPSK	1	25	23.18	23.26	23.26					
10	QPSK	1	49	23.07	23.21	23.18					
10	QPSK	25	0	22.12	22.28	22.18		23	1		
10	QPSK	25	12	22.13	22.28	22.17					
10	QPSK	25	25	22.18	22.22	22.14					
10	QPSK	50	0	22.11	22.19	22.11					
10	HQAM	1	0	22.08	22.12	21.99		23	1		
10	HQAM	1	25	21.98	22.05	22.00					
10	HQAM	1	49	21.88	22.00	21.94					
10	HQAM	5	0	21.09	21.22	21.10		22	2		
10	HQAM	5	12	21.19	21.27	21.19					
10	HQAM	25	0	21.10	21.22	21.12					
10	HQAM	25	0	21.13	21.24	21.22					
10	HQAM	1	0	21.12	21.17	21.07					
10	HQAM	1	25	20.95	21.05	20.96		22	2		
10	HQAM	1	49	21.18	21.23	21.10					
10	HQAM	25	0	20.15	20.20	20.07					
10	HQAM	25	12	20.07	20.13	20.07		21	3		
10	HQAM	25	25	20.12	20.18	20.05					
10	HQAM	50	0	20.11	20.15	20.02					
10	SSQAM	1	0	18.03	18.15	18.06		19	5		
10	SSQAM	1	25	17.97	18.06	18.07					
10	SSQAM	1	49	18.06	18.13	18.03					
10	SSQAM	25	0	18.03	18.15	18.05					
10	SSQAM	25	12	17.99	18.07	17.94		19	5		
10	SSQAM	25	25	18.07	18.12	18.06					
10	SSQAM	50	0	18.02	18.14	18.05					
Channel											
Frequency (MHz)											
8	QPSK	1	0	23.26	23.31	23.26		24	0		
8	QPSK	1	12	23.05	23.17	23.05					
8	QPSK	1	24	22.96	23.12	23.02					
8	QPSK	12	0	22.01	22.18	22.10		23	1		
8	QPSK	12	13	22.08	22.16	22.06					
8	QPSK	25	0	22.07	22.15	22.07					
8	HQAM	1	0	22.01	22.05	21.98		23	1		
8	HQAM	1	12	21.94	21.97	21.85					
8	HQAM	1	24	21.87	21.92	21.80		22	2		
8	HQAM	12	0	21.88	21.89	21.85					
8	HQAM	12	7	21.12	21.20	21.08					
8	HQAM	25	0	21.08	21.16	21.14					
8	HQAM	1	0	21.05	21.12	20.99		22	2		
8	HQAM	1	12	20.98	20.98	20.92					
8	HQAM	1	24	21.10	21.12	21.02					
8	HQAM	12	0	20.07	20.17	20.00		21	3		
8	HQAM	12	7	20.03	20.02	19.92					
8	HQAM	12	13	20.01	20.05	19.95					
8	HQAM	25	0	20.07	20.03	19.92					
8	SSQAM	1	0	18.01	18.15	17.99		19	5		
8	SSQAM	1	12	17.88	18.02	17.84					
8	SSQAM	1	24	18.03	18.08	17.95					
8	SSQAM	12	0	18.03	18.06	17.92					
8	SSQAM	12	7	17.99	17.92	17.84		19	5		
8	SSQAM	12	13	17.97	17.88	18.03					
8	SSQAM	25	0	17.97	18.03	18.05					
Channel											
Frequency (MHz)											
3	QPSK	1	0	23.07	23.24	23.08		24	0		
3	QPSK	1	8	23.03	23.13	23.12					
3	QPSK	1	14	22.94	23.11	23.06					
3	QPSK	8	0	22.06	22.17	22.09		23	1		
3	QPSK	8	4	22.09	22.20	22.11					
3	QPSK	8	7	22.07	22.15	22.09					
3	HQAM	1	0	22.08	22.16	22.06		23	1		
3	HQAM	1	8	21.85	21.88	21.86					
3	HQAM	1	14	21.77	21.84	21.80		22	2		
3	HQAM	8	0	21.01	21.18	21.07					
3	HQAM	8	4	21.05	21.12	21.13					
3	HQAM	8	7	21.08	21.11	21.06					
3	HQAM	16	0	21.00	21.16	21.12					
3	HQAM	1	0	20.98	21.06	21.00		22	2		
3	HQAM	1	8	20.98	20.93	20.91					
3	HQAM	1	14	21.09	21.15	20.99					
3	HQAM	8	0	20.03	20.17	19.99		21	3		
3	HQAM	8	4	20.03	20.05	20.01					
3	HQAM	8	7	20.09	20.10	20.00					
3	HQAM	16	0	20.02	20.01	19.96					
3	SSQAM	1	0	18.01	18.11	17.94		19	5		
3	SSQAM	1	8	17.94	17.99	17.83					
3	SSQAM	1	14	17.92	18.04	17.96					
3	SSQAM	8	0	17.97	18.11	17.91		19	5		
3	SSQAM	8	4	17.88	17.88	17.81					
3	SSQAM	8	7	17.85	18.01	17.97					
3	SSQAM	16	0	17.81	18.01	17.86					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	23.07	23.24	23.08		24	0		
1.4	QPSK	1	3	23.03	23.22	23.17					
1.4	QPSK	1	5	22.86	23.11	23.11					
1.4	QPSK	3	0	23.08	23.18	23.07		23	1		
1.4	QPSK	3	1	23.10	23.18	23.03					
1.4	QPSK	3	3	23.07	23.12	23.04					
1.4	QPSK	6	0	22.04	22.07	22.00		23	1		
1.4	HQAM	1	0	21.02	22.07	21.84					
1.4	HQAM	1	3	21.89	21.92	21.87		23	1		
1.4	HQAM	1	5	21.11	21.81	21.88					
1.4	HQAM	3	0	22.02	22.13	22.06					
1.4	HQAM	3	1	22.07	22.13	22.08					
1.4	HQAM	6	0	21.00	21.13	21.08		22	2		
1.4	HQAM	1	0	21.03	21.03	21.07					
1.4	HQAM	1	3	20.98	20.98	20.89					
1.4	HQAM	1	5	21.04	21.09	21.02		22	2		
1.4	HQAM	3	0	21.09	21.07	20.96					
1.4	HQAM	1	0	20.93	21.06	21.00		21	3		
1.4	HQAM	3	3	21.01	21.12	20.91					
1.4	HQAM	6	0	20.01	20.02	19.99					
1.4	SSQAM	1	0	18.05	18.04	17.94		19	5		
1.4	SSQAM	1	3	17.88	17.95	17.80					
1.4	SSQAM	1	5	17.97	17.99	17.96					
1.4	SSQAM	3	0	17.86	18.08	17.96		19	5		
1.4	SSQAM	3	1	17.89	17.92	17.85					
1.4	SSQAM	6	0	17.84	18.02	18.03		19	5		

Band 7 Ant1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High F / Freq	Tune-up freq (dB)	MRR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	17.62	17.70	17.76		18.9	0		
20	QPSK	1	49	17.73	17.84	17.84					
20	QPSK	1	99	17.68	17.86	17.85					
20	QPSK	50	0	17.61	17.88	17.70		18.9	0		
20	QPSK	50	24	17.73	17.86	17.84					
20	QPSK	50	50	17.70	17.73	17.60					
20	QPSK	100	0	17.63	17.86	17.73					
20	QPSK	100	0	17.68	17.78	17.99					
20	HQAM	1	49	17.78	17.75	17.48		18.9	0		
20	HQAM	1	99	17.64	17.74	17.45					
20	HQAM	50	0	17.61	17.69	17.67					
20	HQAM	50	24	17.63	17.67	17.59		18.9	0		
20	HQAM	50	50	17.65	17.76	17.99					
20	HQAM	100	0	17.62	17.76	17.66					
20	HQAM	100	0	17.66	17.81	17.70					
20	HQAM	1	49	17.75	17.72	17.96		18.9	0		
20	HQAM	50	0	17.77							



Band 42 FCCAnt2

Bit (Hz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42990	42990		
Frequency (MHz)				3450	3600	3645		
20	QPSK	1	0	21.33	21.33	21.33	22	0
20	QPSK	1	49	21.30	21.37	21.35		
20	QPSK	1	99	21.39	21.24	21.21		
20	QPSK	50	0	21.29	21.40	21.22		
20	QPSK	50	24	21.18	21.26	21.16	22	0
20	QPSK	50	60	21.24	21.33	21.36		
20	QPSK	100	0	21.16	21.31	21.25		
20	HQAM	1	0	21.30	21.23	21.27		
20	HQAM	1	49	21.07	21.23	21.26	22	0
20	HQAM	1	99	21.39	21.03	21.03		
20	HQAM	50	0	21.40	21.36	21.14		
20	HQAM	50	24	21.22	21.30	21.22	22	0
20	HQAM	50	60	21.31	21.32	20.99		
20	HQAM	100	0	21.16	21.29	21.21		
20	HQAM	100	0	21.01	21.20	20.93		
20	HQAM	1	49	21.13	21.16	21.32	22	0
20	HQAM	1	99	21.14	21.30	21.08		
20	HQAM	50	0	20.51	20.42	20.39		
20	HQAM	50	24	20.28	20.35	20.48	21	1
20	HQAM	50	60	20.51	20.25	20.42		
20	HQAM	100	0	20.45	20.41	20.28		
20	SRSSAM	1	0	18.57	18.41	18.44		
20	SRSSAM	1	49	18.24	18.20	18.44	19	3
20	SRSSAM	1	99	18.51	18.26	18.33		
20	SRSSAM	50	0	18.61	18.61	18.37		
20	SRSSAM	50	24	18.24	18.43	18.15	19	3
20	SRSSAM	50	60	18.31	18.48	18.39		
20	SRSSAM	100	0	18.16	18.38	18.33		
Channel				42165	42560	43015		
Frequency (MHz)				3457.5	3500	3442.5		
15	QPSK	1	0	21.03	21.32	21.22	22	0
15	QPSK	1	37	21.20	21.18	21.28		
15	QPSK	1	74	21.32	21.21	21.12		
15	QPSK	36	0	21.07	21.38	21.08		
15	QPSK	36	20	21.15	21.12	21.02	22	0
15	QPSK	36	39	21.17	21.28	21.27		
15	QPSK	75	0	21.01	21.13	21.13		
15	HQAM	1	0	21.21	21.16	21.17		
15	HQAM	1	37	21.10	21.18	21.26	22	0
15	HQAM	1	74	21.31	21.04	20.94		
15	HQAM	36	0	21.18	21.32	21.05		
15	HQAM	36	39	21.15	21.12	21.21	22	0
15	HQAM	36	39	21.11	21.12	20.88		
15	HQAM	75	0	21.00	21.39	21.10		
15	HQAM	1	0	20.88	20.95	20.96		
15	HQAM	1	37	20.99	21.09	21.28	22	0
15	HQAM	1	74	21.14	21.12	20.97		
15	HQAM	36	3	20.31	20.25	20.18		
15	HQAM	36	20	20.23	20.23	20.36	21	1
15	HQAM	36	39	20.52	20.25	20.25		
15	HQAM	75	0	20.47	20.23	20.19		
15	SRSSAM	1	0	18.35	18.34	18.39	19	3
15	SRSSAM	1	37	18.13	18.25	18.40		
15	SRSSAM	1	74	18.33	18.18	18.31		
15	SRSSAM	36	0	18.22	18.40	18.28		
15	SRSSAM	36	20	18.22	18.21	17.99	19	3
15	SRSSAM	36	39	18.09	18.27	18.28		
15	SRSSAM	75	0	18.12	18.30	18.43		
Channel				42140	42560	43015		
Frequency (MHz)				3455	3500	3445		
10	QPSK	1	0	21.03	21.30	21.20	22	0
10	QPSK	1	25	21.08	21.39	21.30		
10	QPSK	1	49	21.33	21.18	21.11		
10	QPSK	36	0	21.08	21.38	21.04		
10	QPSK	25	12	21.19	21.14	21.01	22	0
10	QPSK	25	25	21.14	21.31	21.34		
10	QPSK	100	0	20.94	21.32	21.07		
10	HQAM	1	0	21.29	21.08	21.11		
10	HQAM	1	25	21.03	21.01	21.11	22	0
10	HQAM	1	49	21.35	20.97	20.88		
10	HQAM	25	0	21.29	21.32	21.07		
10	HQAM	25	12	21.13	21.22	21.08	22	0
10	HQAM	25	25	21.12	21.07	20.91		
10	HQAM	50	0	21.09	21.38	21.08		
10	HQAM	1	0	20.87	20.80	20.83		
10	HQAM	1	25	20.35	21.18	21.33	22	0
10	HQAM	25	0	20.44	20.42	20.23		
10	HQAM	25	12	20.06	20.18	20.34	21	1
10	HQAM	25	25	20.48	20.22	20.22		
10	HQAM	50	0	20.28	20.39	20.28		
10	SRSSAM	1	0	18.50	18.29	18.45		
10	SRSSAM	1	25	18.19	18.47	18.38	19	3
10	SRSSAM	1	49	18.41	18.27	18.28		
10	SRSSAM	25	0	18.27	18.53	18.17		
10	SRSSAM	25	12	18.04	18.20	18.20	19	3
10	SRSSAM	25	25	18.20	18.45	18.40		
10	SRSSAM	50	0	17.97	18.16	18.31		
Channel				42115	42560	43015		
Frequency (MHz)				3452.5	3500	3447.5		
5	QPSK	1	0	21.40	21.21	21.23	22	0
5	QPSK	1	15	21.32	21.28	21.19		
5	QPSK	1	24	21.26	21.19	21.19		
5	QPSK	12	0	21.49	21.26	21.19		
5	QPSK	12	7	21.11	21.07	21.17	22	0
5	QPSK	12	13	21.19	21.36	21.20		
5	QPSK	25	0	21.18	21.12	21.16		
5	HQAM	1	0	21.22	21.21	21.12		
5	HQAM	1	12	21.04	21.17	21.14	22	0
5	HQAM	1	24	21.20	20.88	20.96		
5	HQAM	12	0	21.20	21.32	20.93		
5	HQAM	12	7	21.12	21.15	21.23	22	0
5	HQAM	12	13	21.07	20.91	20.85		
5	HQAM	25	0	20.96	21.27	21.09		
5	HQAM	1	0	20.89	21.00	20.81	22	0
5	HQAM	1	12	20.99	21.02	21.18		
5	HQAM	1	24	21.15	21.18	21.00		
5	HQAM	12	0	20.53	20.74	20.22		
5	HQAM	12	7	20.20	20.71	20.48	21	1
5	HQAM	12	13	20.43	20.67	20.24		
5	HQAM	25	0	20.10	20.29	20.28		
5	SRSSAM	1	0	18.37	18.41	18.44		
5	SRSSAM	1	12	18.14	18.41	18.45	19	3
5	SRSSAM	1	24	18.35	18.19	18.28		
5	SRSSAM	12	0	18.34	18.67	18.17		
5	SRSSAM	12	7	18.08	18.20	18.11	19	3
5	SRSSAM	12	13	18.12	18.45	18.19		
5	SRSSAM	25	0	18.09	18.38	18.15		



Reduced Power Mode for WWAN DS1 3-Simultaneous

GSM/2G AWG	Burst Average Power (dBm)			Tx Power Limit	Frame Average Power (dBm)			Tx Power Limit
	814.2	818.4	818.8		814.2	818.4	818.8	
TS Channel	33.80	32.74	32.80	33.80	23.80	23.71	23.85	24.80
Frequency (MHz)	814.2	818.4	818.8		814.2	818.4	818.8	
OPRS 1 Tx Mode	30.76	30.34	30.42	31.80	24.76	24.34	24.42	25.80
OPRS 2 Tx Mode	29.79	29.37	29.45	30.80	24.79	24.37	24.45	25.84
OPRS 4 Tx Mode	27.58	27.40	27.56	29.00	24.48	24.32	24.56	26.00
EDGE 1 Tx Mode	24.74	24.71	24.79	27.00	17.74	17.71	17.79	18.50
EDGE 2 Tx Mode	25.73	25.67	25.68	27.00	18.73	18.67	18.68	21.00
EDGE 3 Tx Mode	24.37	24.35	24.23	25.00	20.11	19.92	19.87	21.04
EDGE 4 Tx Mode	22.82	22.84	22.99	24.00	19.82	19.84	19.99	21.00

GSM/2G AWG	Burst Average Power (dBm)			Tx Power Limit	Frame Average Power (dBm)			Tx Power Limit
	812	861	810		812	861	810	
TS Channel	31.2	30.2	30.3	31.2	21.2	21.1	21.3	22.3
Frequency (MHz)	812	861	810		812	861	810	
DSM 1 Tx Mode	23.02	23.25	23.25	23.80	14.25	14.25	14.25	14.80
OPRS 1 Tx Mode	23.48	23.44	23.48	23.80	14.48	14.44	14.48	14.80
OPRS 2 Tx Mode	20.26	20.60	20.49	21.80	14.26	14.60	14.49	15.80
OPRS 3 Tx Mode	19.82	19.80	19.81	20.80	15.30	15.30	15.30	18.54
OPRS 4 Tx Mode	17.80	18.27	17.80	19.20	13.80	15.27	13.80	16.20
EDGE 1 Tx Mode	18.23	18.45	18.23	20.30	10.23	10.45	10.23	11.30
EDGE 2 Tx Mode	16.62	16.38	16.07	16.30	12.62	12.38	12.07	13.30
EDGE 3 Tx Mode	15.77	15.51	15.36	17.30	12.51	12.35	12.30	13.54
EDGE 4 Tx Mode	15.20	15.41	15.42	16.30	12.20	12.41	12.42	13.30

Burst	WCDMA R AWG			Tx Power Limit	WCDMA H AWG			Tx Power Limit	WCDMA V AWG			Tx Power Limit
	8002	8006	8008		8112	8113	8115		8102	8103	8105	
Frequency (MHz)	1523.4	1524	1523.8	1523.4	1523.5	1523.7	1523.4	1523.4	1523.4	1523.4	1523.4	
ISPP Power	15.10	15.00	15.10	16.30	15.74	15.59	15.57	16.40	15.16	15.30	15.21	16.00
ISPP Power	15.31	15.22	15.22	16.50	15.70	15.50	15.77	16.60	15.36	15.40	15.37	16.00
ISPP Power	14.25	14.21	14.10	15.20	14.56	14.65	14.76	15.80	14.24	14.20	14.10	15.00
ISPP Power	14.15	14.21	14.25	15.30	14.58	14.81	14.82	15.85	14.22	14.32	14.15	15.00
ISPP Power	13.80	13.80	13.80	14.80	14.22	14.41	14.38	15.10	13.79	13.78	13.64	14.50
ISPP Power	13.85	13.80	13.77	14.80	14.28	14.21	14.11	15.10	13.78	13.78	13.65	14.50
ISPP Power	14.33	14.11	14.22	15.30	14.91	14.85	14.71	15.80	14.21	14.19	13.84	14.50
ISPP Power	14.07	14.30	14.40	15.30	14.69	14.71	14.73	15.80	14.20	14.24	14.07	14.50
ISPP Power	13.54	13.82	13.88	14.80	14.27	14.13	14.22	15.10	13.68	13.71	13.41	14.50
ISPP Power	13.77	13.80	13.80	14.80	14.33	14.30	14.29	15.10	13.65	13.70	13.58	14.50
ISPP Power	14.27	14.19	14.05	15.30	14.70	14.75	14.82	15.80	14.23	14.32	14.07	14.50
ISPP Power	13.28	12.06	12.01	13.30	12.83	12.93	12.89	13.80	12.20	12.21	12.10	13.00
ISPP Power	13.22	13.19	13.07	14.30	13.81	13.85	13.82	14.80	13.16	13.22	13.05	14.00
ISPP Power	12.10	12.09	12.04	13.30	12.60	12.82	12.85	13.80	12.18	12.32	12.10	13.00
ISPP Power	14.16	14.20	14.11	15.20	14.86	14.81	14.75	15.80	14.21	14.32	14.16	15.00



Band 2 Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (dBm)	Power High Ch / Freq (dBm)	Power High Ch / Freq (dBm)	Power High Ch / Freq (dBm)	Turn-up (dB)	MPR (dB)	
Channel	Channel			1890	1890	1910	1910			
20	QPSK	1	0	15.40	15.44	15.22				
20	QPSK	1	48	15.28	15.25	15.28		16.3	0	
20	QPSK	5	89	15.28	15.28	15.28				
20	QPSK	50	24	15.22	15.40	15.01		16.3	0	
20	QPSK	50	24	15.22	15.22	15.33				
20	QPSK	100	0	15.26	15.30	15.16				
20	15GDM	1	0	15.28	15.37	15.27		16.3	0	
20	15GDM	1	39	15.14	15.15	15.07				
20	15GDM	50	6	15.14	15.04	15.11		16.3	0	
20	15GDM	50	24	15.02	15.15	15.18				
20	15GDM	50	59	15.19	15.27	15.04				
20	15GDM	100	0	15.11	15.23	14.92				
20	15GDM	1	49	15.16	15.20	15.18		16.3	0	
20	15GDM	1	89	15.18	15.18	15.21				
20	15GDM	50	6	15.27	15.26	15.03				
20	15GDM	50	24	14.99	15.37	15.05		16.3	0	
20	15GDM	50	59	15.18	15.20	15.05				
20	15GDM	100	0	15.09	15.20	15.03				
20	25GDM	1	0	15.22	15.34	15.23		16.3	0	
20	25GDM	1	49	15.27	15.02	14.99				
20	25GDM	50	24	15.12	15.12	14.99				
20	25GDM	50	24	15.20	15.14	15.02				
20	25GDM	50	24	15.04	15.37	15.29		16.3	0	
20	25GDM	50	59	14.93	15.02	15.12				
20	25GDM	100	0	14.93	15.10	15.11				

Band 2 Ant0 (cont.)										
Channel	Channel			T1897	T1900	T1912		MPR (dB)		
Frequency (MHz)	Frequency (MHz)						Turn-up (dB)			
15	QPSK	1	0	15.40	15.20	15.10		16.3	0	
15	QPSK	1	37	15.07	15.03	15.07				
15	QPSK	1	49	15.08	15.03	15.04				
15	QPSK	36	0	15.24	15.23	14.93		16.3	0	
15	QPSK	38	20	15.19	15.10	15.26				
15	QPSK	1	49	15.08	15.21	14.99				
15	QPSK	75	0	15.10	15.31	15.08				
15	15GDM	1	0	15.12	15.21	15.16		16.3	0	
15	15GDM	1	24	15.18	15.20	15.03				
15	15GDM	1	74	15.01	14.94	15.07				
15	15GDM	38	0	15.10	14.90	14.96		16.3	0	
15	15GDM	38	20	15.03	15.10	14.92				
15	15GDM	38	39	14.97	15.12	15.03				
15	15GDM	38	39	14.97	15.12	15.03				
15	15GDM	75	0	15.10	15.02	15.16		16.3	0	
15	15GDM	75	20	15.10	14.96	14.78				
15	15GDM	75	20	14.97	14.90	14.87				
15	15GDM	1	37	14.90	14.89	15.15		16.3	0	
15	15GDM	1	74	15.03	14.86	15.08				
15	15GDM	38	20	15.17	15.15	14.94				
15	15GDM	38	20	14.91	15.15	15.00		16.3	0	
15	15GDM	38	20	14.91	15.15	15.00				
15	15GDM	75	0	15.10	15.28	15.03		16.3	0	
15	15GDM	75	20	15.10	14.96	14.78				
15	15GDM	75	20	14.93	14.96	14.89				
15	15GDM	75	20	14.72	14.89	15.11		16.3	0	

Band 2 Ant0 (cont.)										
Channel	Channel			T1897	T1900	T1912		MPR (dB)		
Frequency (MHz)	Frequency (MHz)						Turn-up (dB)			
10	QPSK	1	0	15.26	15.36	15.11		16.3	0	
10	QPSK	1	25	15.17	15.20	15.16				
10	QPSK	1	25	15.08	15.21	14.99				
10	QPSK	25	0	15.03	15.33	14.93		16.3	0	
10	QPSK	25	12	15.21	15.10	15.24				
10	QPSK	25	12	15.05	15.30	15.00				
10	QPSK	50	0	15.11	15.17	15.16		16.3	0	
10	QPSK	1	0	15.27	15.27	15.26				
10	15GDM	1	0	15.07	15.21	15.03		16.3	0	
10	15GDM	1	49	15.12	15.06	15.07				
10	15GDM	25	0	15.13	14.84	15.06		16.3	0	
10	15GDM	25	12	14.95	15.10	15.00				
10	15GDM	25	26	14.98	15.08	14.72				
10	15GDM	50	0	14.91	15.16	14.90		16.3	0	
10	15GDM	50	24	15.17	15.15	15.19				
10	15GDM	1	28	14.93	14.95	15.00		16.3	0	
10	15GDM	1	49	15.00	15.21	14.99				
10	15GDM	25	0	15.21	15.09	15.00		16.3	0	
10	15GDM	25	12	14.96	15.29	15.06				
10	15GDM	25	12	15.12	15.12	14.85				
10	25GDM	1	0	15.11	15.31	15.22		16.3	0	
10	25GDM	1	49	15.04	14.88	14.84				
10	25GDM	25	0	15.21	15.14	14.93		16.3	0	
10	25GDM	25	12	14.85	14.85	14.85				
10	25GDM	25	26	14.90	15.07	15.13				
10	25GDM	50	0	14.87	14.96	14.96		16.3	0	

Band 2 Ant0 (cont.)										
Channel	Channel			T1897	T1900	T1912		MPR (dB)		
Frequency (MHz)	Frequency (MHz)						Turn-up (dB)			
5	QPSK	1	0	15.24	15.28	15.12		16.3	0	
5	QPSK	1	12	15.19	15.23	15.16				
5	QPSK	1	24	15.08	15.21	14.99				
5	QPSK	12	0	15.19	15.39	14.99		16.3	0	
5	QPSK	12	7	15.10	15.24	15.04				
5	QPSK	12	7	15.00	15.30	15.00				
5	QPSK	25	0	15.13	15.08	15.13		16.3	0	
5	QPSK	1	0	15.26	15.10	15.08				
5	15GDM	1	0	15.10	15.15	15.07		16.3	0	
5	15GDM	1	24	15.12	15.10	15.03				
5	15GDM	12	0	15.06	15.17	15.08		16.3	0	
5	15GDM	12	13	14.97	15.22	15.06				
5	15GDM	25	0	15.00	15.21	14.99				
5	15GDM	25	0	14.95	15.00	15.15		16.3	0	
5	15GDM	1	12	14.88	14.82	15.19				
5	15GDM	1	49	15.11	15.25	15.11		16.3	0	
5	15GDM	12	0	15.18	15.07	14.83				
5	15GDM	12	7	14.89	15.21	14.91		16.3	0	
5	15GDM	12	7	14.90	15.15	14.86				
5	15GDM	25	0	15.07	15.20	15.04		16.3	0	
5	25GDM	1	0	15.03	15.28	15.17				
5	25GDM	1	24	15.04	15.00	14.80		16.3	0	
5	25GDM	12	0	15.05	14.96	14.92				
5	25GDM	12	13	14.92	15.21	14.86		16.3	0	
5	25GDM	12	13	14.78	15.09	14.96				
5	25GDM	50	0	14.87	14.90	15.05		16.3	0	

Band 2 Ant0 (cont.)										
Channel	Channel			T1897	T1900	T1912		MPR (dB)		
Frequency (MHz)	Frequency (MHz)						Turn-up (dB)			
1.4	QPSK	1	0	15.31	15.34	15.22		16.3	0	
1.4	QPSK	1	0	15.12	15.23	15.02				
1.4	QPSK	1	5	15.14	15.13	15.10				
1.4	QPSK	3	0	15.19	15.36	14.88		16.3	0	
1.4	QPSK	3	3	15.16	15.20	15.17				
1.4	QPSK	3	3	15.00	15.29	15.16				
1.4	QPSK	8	0	15.14	15.17	15.18		16.3	0	
1.4	15GDM	1	0	15.16	15.20	15.09				
1.4	15GDM	1	3	15.11	15.13	15.01				
1.4	15GDM	1	14	14.86	15.01	15.01		16.3	0	
1.4	15GDM	1	14	14.83	14.83	14.83				
1.4	15GDM	3	0	15.05	15.26	14.93		16.3	0	
1.4	15GDM	3	0	15.12	15.21	15.02				
1.4	15GDM	8	0	14.86	14.94	15.06		16.3	0	
1.4	15GDM	1	3	15.08	14.94	15.18				
1.4	15GDM	1	3	15.05	15.15	15.14				
1.4	15GDM	3	0	15.27	15.24	14.97		16.3	0	
1.4	15GDM	1	14	14.88	15.17	14.94				
1.4	15GDM	1	14	14.90	15.18	14.96				
1.4	15GDM	6	0	15.06	15.14	14.96		16.3	0	
1.4	25GDM	1	0	15.23	15.12	15.02				
1.4	25GDM	1	4	15.13	14.86	14.84		16.3	0	
1.4	25GDM	1	14	14.85	14.91	14.83				
1.4	25GDM	12	0	15.14	14.90	14.74		16.3	0	
1.4	25GDM	12	13	14.97	15.12	14.72				
1.4	25GDM	3	3	14.84	15.03	15.01		16.3	0	
1.4	25GDM	6	0	14.74	14.92	14.91				

Band 2 Ant0 (cont.)										
Channel	Channel			T1897	T1900	T1912		MPR (dB)		
Frequency (MHz)	Frequency (MHz)						Turn-up (dB)			
1.4	QPSK	1	0	15.31	15.34	15.22		16.3	0	
1.4	QPSK	1	5	15.14	15.13	15.10				
1.4	QPSK	3	0	15.19	15.36	14.88	</			



Band 12 Ant0								
BW (MHz)	Modulation	RS Size	RB Offset	Power Low Ch. F. (MHz)	Power Mid Ch. F. (MHz)	Power High Ch. F. (MHz)	Tune-up Int. (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.18	23.21	23.21		
10	QPSK	1	28	23.03	23.18	23.08	24	0
10	QPSK	1	48	22.88	22.98	22.99		
10	QPSK	25	0	22.00	22.15	22.00		
10	QPSK	25	12	22.02	22.11	22.04	23	1
10	QPSK	25	28	22.01	22.08	21.94		
10	QPSK	50	0	22.08	22.14	22.09		
10	16QAM	1	0	22.15	22.21	22.12	23	1
10	16QAM	1	28	22.06	22.17	22.06		
10	16QAM	1	48	22.03	22.07	21.94		
10	16QAM	25	0	20.98	21.16	21.06		
10	16QAM	25	12	21.03	21.15	21.05		
10	16QAM	25	28	21.04	21.04	20.95	22	2
10	16QAM	50	0	21.05	21.11	21.10		
10	64QAM	1	0	21.07	21.14	21.15		
10	64QAM	1	28	21.04	21.11	20.96	22	2
10	64QAM	1	48	20.99	21.02	20.99		
10	64QAM	25	0	20.00	20.11	19.91		
10	64QAM	25	12	20.02	20.12	20.05	21	3
10	64QAM	25	28	20.00	20.05	19.92		
10	64QAM	50	0	19.99	20.14	20.02		
10	256QAM	1	0	18.12	18.16	18.16		
10	256QAM	1	25	17.95	18.08	18.04	19	5
10	256QAM	1	48	18.00	18.06	17.84		
10	256QAM	25	0	18.00	18.14	18.04		
10	256QAM	25	12	17.99	18.16	18.02	19	5
10	256QAM	25	28	18.00	18.00	17.81		
10	256QAM	50	0	18.11	18.12	18.12		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.08	23.15	23.11		
5	QPSK	1	12	22.92	23.11	22.99	24	0
5	QPSK	1	24	22.88	23.09	22.96		
5	QPSK	12	0	21.93	22.10	21.94		
5	QPSK	12	7	21.93	21.98	21.92	23	1
5	QPSK	12	13	21.91	21.93	21.82		
5	QPSK	25	0	22.00	22.03	22.00		
5	16QAM	1	0	22.09	22.16	21.98	23	1
5	16QAM	1	24	22.06	22.17	22.01		
5	16QAM	1	24	21.85	21.84	21.85		
5	16QAM	12	0	20.95	21.01	21.00		
5	16QAM	12	7	21.01	21.05	20.95	22	2
5	16QAM	12	13	20.96	20.95	20.86		
5	16QAM	25	0	20.93	21.06	21.00		
5	64QAM	1	0	21.04	21.04	21.02		
5	64QAM	1	12	20.91	20.99	20.88	22	2
5	64QAM	1	24	20.87	20.94	20.86		
5	64QAM	12	0	19.99	20.01	19.88		
5	64QAM	12	7	19.88	20.02	19.95	21	3
5	64QAM	12	13	19.96	19.94	19.81		
5	64QAM	25	0	19.87	20.00	19.86		
5	256QAM	1	0	18.03	18.07	18.11		
5	256QAM	1	12	17.80	18.04	17.86	19	5
5	256QAM	1	24	17.85	17.97	17.89		
5	256QAM	12	0	17.97	18.02	17.94		
5	256QAM	12	7	17.88	18.03	17.85	19	5
5	256QAM	12	13	17.92	17.95	17.86		
5	256QAM	25	0	18.02	18.08	18.05		
Channel								
Frequency (MHz)								
3	QPSK	1	0	23.06	23.19	23.08		
3	QPSK	1	8	22.97	23.11	22.94	24	0
3	QPSK	1	16	22.90	23.09	22.98		
3	QPSK	8	0	21.86	22.12	21.94		
3	QPSK	8	4	21.84	21.99	21.90	23	1
3	QPSK	8	7	21.86	21.94	21.87		
3	QPSK	16	0	22.01	22.02	22.01		
3	16QAM	1	0	22.09	22.10	22.08	23	1
3	16QAM	1	8	21.98	22.14	21.98		
3	16QAM	1	14	21.97	21.94	21.90		
3	16QAM	8	0	20.94	21.08	20.95		
3	16QAM	8	4	21.03	21.05	21.00		
3	16QAM	8	7	20.96	20.91	20.82	22	2
3	64QAM	1	0	21.03	21.07	21.07		
3	64QAM	1	8	21.01	20.96	20.87	22	2
3	64QAM	1	16	20.99	20.96	20.81		
3	64QAM	8	0	19.94	19.99	19.77		
3	64QAM	8	4	19.89	20.05	19.94	21	3
3	64QAM	8	7	19.94	20.07	19.90		
3	256QAM	1	0	18.04	18.04	18.09		
3	256QAM	1	5	17.89	17.99	17.90	19	5
3	256QAM	1	14	17.88	17.96	17.85		
3	256QAM	8	0	17.87	18.06	17.90		
3	256QAM	8	4	17.91	18.00	17.94		
3	256QAM	8	7	17.94	17.92	17.85	19	5
3	256QAM	15	0	18.01	18.07	18.07		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.12	23.09	23.08		
1.4	QPSK	1	3	22.99	23.10	22.96	24	0
1.4	QPSK	1	6	22.94	22.94	22.92		
1.4	QPSK	3	0	22.91	23.07	22.95		
1.4	QPSK	3	1	22.90	23.00	22.94		
1.4	QPSK	3	3	22.91	23.01	22.81		
1.4	QPSK	8	0	21.99	22.05	22.04	23	1
1.4	16QAM	1	0	22.10	22.16	22.08		
1.4	16QAM	1	3	22.03	22.06	22.02		
1.4	16QAM	1	6	21.91	22.02	21.89	23	1
1.4	16QAM	3	0	21.86	22.00	22.01		
1.4	16QAM	3	1	21.86	22.04	21.95		
1.4	16QAM	3	3	22.00	22.01	21.94		
1.4	16QAM	8	0	20.95	21.08	20.95	22	2
1.4	64QAM	1	0	21.09	21.08	21.05		
1.4	64QAM	1	3	20.99	21.05	20.81		
1.4	64QAM	1	6	20.90	20.95	20.95		
1.4	64QAM	3	0	20.89	21.01	20.79	22	2
1.4	64QAM	3	1	20.85	21.04	21.01		
1.4	64QAM	3	3	20.80	20.91	20.86		
1.4	64QAM	8	0	19.96	20.01	19.93	21	3
1.4	256QAM	1	0	18.05	18.07	18.11		
1.4	256QAM	1	3	17.85	17.98	17.80	19	5
1.4	256QAM	1	6	17.87	17.86	17.80		
1.4	256QAM	3	0	17.92	18.10	17.98		
1.4	256QAM	3	1	17.94	18.11	17.90		
1.4	256QAM	3	3	17.93	17.89	17.84		
1.4	256QAM	8	0	18.03	18.00	17.99	19	5

Band 13 Ant0								
BW (MHz)	Modulation	RS Size	RB Offset	Power Low Ch. F. (MHz)	Power Mid Ch. F. (MHz)	Power High Ch. F. (MHz)	Tune-up Int. (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.00				
10	QPSK	1	25	22.97			24	0
10	QPSK	1	48	22.91				
10	QPSK	25	0	22.13				
10	QPSK	25	12	22.08			23	1
10	QPSK	25	28	22.06				
10	QPSK	50	0	22.17				
10	16QAM	1	0	22.06			23	1
10	16QAM	1	25	21.99				
10	16QAM	1	48	22.02				
10	16QAM	25	0	21.86				
10	16QAM	25	12	21.92			22	2
10	16QAM	25	28	21.97				
10	16QAM	50	0	21.13				
10	64QAM	1	0	21.09				
10	64QAM	1	25	20.95			22	2
10	64QAM	1	48	21.09				
10	64QAM	25	0	20.03				
10	64QAM	25	12	19.95			21	3
10	64QAM	25	28	19.98				
10	64QAM	50	0	20.09				
10	256QAM	1	0	18.04				
10	256QAM	1	25	18.11			19	5
10	256QAM	1	48	18.05				
10	256QAM	25	0	18.08				
10	256QAM	25	12	18.12			19	5
10	256QAM	25	28	18.03				
10	256QAM	50	0	18.16				
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.92	23.05	22.91		
5	QPSK	1	12	22.84	22.88	22.82	24	0
5	QPSK	1	24	22.83	22.99	22.86		
5	QPSK	12	0	21.99	22.06	21.92		
5	QPSK	12	7	21.94	22.02	22.01	23	1
5	QPSK	12	13	21.93	22.02	21.86		
5	QPSK	25	0	21.94	22.05	22.00		
5	16QAM	1	0	21.87	22.01	21.91	23	1
5	16QAM	1	12	21.83	21.88	21.75		
5	16QAM	1	24	21.85	21.88	21.87		
5	16QAM	12	0	20.97	20.95	20.96		
5	16QAM	12	7	20.93	20.92	20.71		
5	16QAM	12	13	20.72	20.92	20.89	22	2
5	16QAM	25	0	20.95	21.03	20.87		
5	16QAM	25	12	20.98	20.99	20.92		
5	16QAM	25	28	20.96	20.91	20.83	22	2
5	64QAM	1	0	20.93	20.97	20.91		
5	64QAM	1	12	20.88	20.90	20.82		
5	64QAM	1	12	20.76	20.91	20.83		
5	64QAM	1	24	20.93	20.97	20.91		
5	64QAM	12	0	19.93	20.00	19.88		
5	64QAM	12	7	19.85	19.91	19.81	21	3
5	64QAM	12	13	19.75	19.91	19.76		
5	64QAM	25	0	19.83	19.96	19.92		
5	256QAM	1	0	17.86	18.00	17.79		
5	256QAM	1	12	18.01	18.08	17.86	19	5
5	256QAM	1	24	17.77	17.92	17.86		
5	256QAM	12	0	17.90	17.94	17.86		
5	256QAM	12	7	17.82	18.06	17.89		



Band 25 Ant0													
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. Freq. (MHz)	Power Ch. Freq. (MHz)	Power Ch. Freq. (MHz)	Power Ch. Freq. (MHz)	Power Ch. Freq. (MHz)	Power Ch. Freq. (MHz)	Tune-up (dB)	MPR (dB)		
Channel												Tune-up (dB)	MPR (dB)
Frequency (MHz)	1	0	15.34	15.45	15.21	15.02	15.17	15.04	15.34	26690	26990		
20	QPSK	1	0	15.34	15.45	15.21	15.02	15.17	15.04	16.3	0		
20	QPSK	1	49	15.02	15.17	15.04	15.34	15.45	15.21	16.3	0		
20	QPSK	1	99	15.17	15.34	15.04	15.34	15.45	15.21	16.3	0		
20	QPSK	50	0	15.21	15.31	15.19	15.02	15.17	15.04	16.3	0		
20	QPSK	50	24	15.08	15.24	15.11	15.02	15.17	15.04	16.3	0		
20	QPSK	50	49	15.02	15.24	15.09	15.02	15.17	15.04	16.3	0		
20	QPSK	100	0	15.08	15.25	15.23	15.02	15.17	15.04	16.3	0		
20	16QAM	1	0	15.20	15.08	15.25	15.02	15.17	15.04	16.3	0		
20	16QAM	1	49	15.09	15.09	15.25	15.02	15.17	15.04	16.3	0		
20	16QAM	1	99	15.10	15.06	15.23	15.02	15.17	15.04	16.3	0		
20	16QAM	50	0	15.08	15.29	15.08	15.02	15.17	15.04	16.3	0		
20	16QAM	50	24	15.02	15.24	15.15	15.02	15.17	15.04	16.3	0		
20	16QAM	50	49	15.09	15.13	15.04	15.02	15.17	15.04	16.3	0		
20	16QAM	100	0	15.15	15.12	15.24	15.02	15.17	15.04	16.3	0		
20	16QAM	100	49	15.01	15.12	15.19	15.02	15.17	15.04	16.3	0		
20	16QAM	1	99	15.14	15.05	15.03	15.02	15.17	15.04	16.3	0		
20	16QAM	50	0	15.15	15.15	15.18	15.02	15.17	15.04	16.3	0		
20	16QAM	50	24	15.07	15.15	15.17	15.02	15.17	15.04	16.3	0		
20	16QAM	50	49	15.07	15.15	15.17	15.02	15.17	15.04	16.3	0		
20	16QAM	100	0	15.16	15.07	15.16	15.02	15.17	15.04	16.3	0		
20	16QAM	100	49	15.07	15.11	15.24	15.02	15.17	15.04	16.3	0		
20	16QAM	1	99	15.07	15.11	15.16	15.02	15.17	15.04	16.3	0		
20	16QAM	50	0	15.18	15.27	15.10	15.02	15.17	15.04	16.3	0		
20	16QAM	50	24	15.12	15.06	15.21	15.02	15.17	15.04	16.3	0		
20	16QAM	50	49	15.02	15.22	15.08	15.02	15.17	15.04	16.3	0		
20	16QAM	100	0	15.02	15.24	15.23	15.02	15.17	15.04	16.3	0		
20	16QAM	100	49	15.15	15.20	15.21	15.02	15.17	15.04	16.3	0		
Channel												Tune-up (dB)	MPR (dB)
Frequency (MHz)	1	0	15.20	15.21	15.17	15.02	15.17	15.04	15.34	26990	26690		
16	QPSK	1	0	15.20	15.21	15.17	15.02	15.17	15.04	16.3	0		
16	QPSK	1	37	15.21	15.19	15.04	15.34	15.45	15.21	16.3	0		
16	QPSK	1	74	15.17	15.21	15.04	15.34	15.45	15.21	16.3	0		
16	QPSK	36	0	15.21	15.18	15.23	15.02	15.17	15.04	16.3	0		
16	QPSK	36	20	15.02	15.25	15.11	15.02	15.17	15.04	16.3	0		
16	QPSK	36	39	15.17	15.21	15.04	15.34	15.45	15.21	16.3	0		
16	QPSK	75	0	15.20	15.28	15.03	15.02	15.17	15.04	16.3	0		
16	16QAM	1	0	15.18	15.12	15.07	15.02	15.17	15.04	16.3	0		
16	16QAM	1	29	15.15	15.15	15.18	15.02	15.17	15.04	16.3	0		
16	16QAM	1	74	15.24	15.23	15.08	15.02	15.17	15.04	16.3	0		
16	16QAM	36	0	15.17	15.11	15.19	15.02	15.17	15.04	16.3	0		
16	16QAM	36	20	15.21	15.08	15.25	15.02	15.17	15.04	16.3	0		
16	16QAM	36	39	15.03	15.28	15.03	15.02	15.17	15.04	16.3	0		
16	16QAM	75	0	15.05	15.08	15.12	15.02	15.17	15.04	16.3	0		
16	16QAM	75	29	15.20	15.08	15.28	15.02	15.17	15.04	16.3	0		
16	16QAM	1	37	15.18	15.12	15.04	15.34	15.45	15.21	16.3	0		
16	16QAM	1	74	15.04	15.10	15.03	15.02	15.17	15.04	16.3	0		
16	16QAM	36	0	15.17	15.18	15.23	15.02	15.17	15.04	16.3	0		
16	16QAM	36	20	15.18	15.11	15.20	15.02	15.17	15.04	16.3	0		
16	16QAM	36	39	15.12	15.08	15.24	15.02	15.17	15.04	16.3	0		
16	16QAM	75	0	15.09	15.08	15.14	15.02	15.17	15.04	16.3	0		
16	16QAM	75	29	15.15	15.10	15.26	15.02	15.17	15.04	16.3	0		
16	16QAM	1	37	15.10	15.06	15.17	15.02	15.17	15.04	16.3	0		
16	16QAM	1	74	15.21	15.17	15.08	15.02	15.17	15.04	16.3	0		
16	16QAM	36	0	15.12	15.19	15.10	15.02	15.17	15.04	16.3	0		
16	16QAM	36	20	15.03	15.09	15.24	15.02	15.17	15.04	16.3	0		
16	16QAM	36	39	15.05	15.08	15.24	15.02	15.17	15.04	16.3	0		
16	16QAM	75	0	15.15	15.20	15.08	15.02	15.17	15.04	16.3	0		
16	16QAM	75	29	15.20	15.08	15.28	15.02	15.17	15.04	16.3	0		
16	16QAM	1	37	15.15	15.12	15.04	15.34	15.45	15.21	16.3	0		
Channel												Tune-up (dB)	MPR (dB)
Frequency (MHz)	1	0	15.20	15.21	15.17	15.02	15.17	15.04	15.34	26690	26990		

Band 26 Ant0													
BW (MHz)	Modulation	RB Size	RB Offset	Power Ch. Freq. (MHz)	Power Ch. Freq. (MHz)	Power Ch. Freq. (MHz)	Power Ch. Freq. (MHz)	Power Ch. Freq. (MHz)	Power Ch. Freq. (MHz)	Tune-up (dB)	MPR (dB)		
Channel												Tune-up (dB)	MPR (dB)
Frequency (MHz)	1	0	22.91	23.11	22.92	22.73	22.82	22.79	22.91	23695	23995		
15	QPSK	1	0	22.91	23.11	22.92	22.73	22.82	22.79	24	0		
15	QPSK	1	37	22.73	22.82	22.79	22.91	23.11	22.92	24	0		
15	QPSK	1	74	23.11	22.92	22.79	22.91	23.11	22.92	24	0		
15	QPSK	36	0	21.89	21.95	21.81	21.76	21.83	21.79	23	1		
15	QPSK	36	20	21.80	21.83	21.79	21.76	21.83	21.79	23	1		
15	QPSK	36	39	21.76	21.83	21.79	21.76	21.83	21.79	23	1		
15	QPSK	75	0	21.85	22.03	21.88	21.83	21.90	21.85	23	1		
15	16QAM	1	0	21.90	22.01	21.98	21.83	21.90	21.85	23	1		
15	16QAM	1	37	21.90	21.86	21.81	21.83	21.79	21.85	23	1		
15	16QAM	1	74	21.89	21.93	21.85	21.83	21.79	21.85	23	1		
15	16QAM	36	0	20.84	20.94	20.83	20.78	20.85	20.80	22	2		
15	16QAM	36	20	20.78	20.84	20.83	20.78	20.85	20.80	22	2		
15	16QAM	36	39	20.77	20.85	20.83	20.78	20.85	20.80	22	2		
15	16QAM	75	0	21.02	21.00	20.98	20.83	20.90	20.85	22	2		
15	16QAM	75	29	20.87	20.95	20.93	20.78	20.85	20.80	22	2		
15	16QAM	1	37	20.85	20.82	20.78	20.78	20.85	20.80	22	2		
15	16QAM	1	74	20.85	20.88	20.86	20.83	20.80	20.86	22	2		
15	16QAM	36	0	19.87	19.93	19.89	19.86	19.86	19.86	21	3		
15	16QAM	36	20	19.82	19.93	19.87	19.87	19.89	19.87	21	3		
15	16QAM	36	39	19.78	19.98	19.81	19.81	19.89	19.81	21	3		
15	16QAM	75	0	19.89	19.98	19.85	19.81	19.89	19.81	21	3		
15	16QAM	75	29	19.87	19.93	19.87	19.86	19.89	19.86	21	3		
15	16QAM	1	37	17.89	17.99	17.78	17.88	17.99	17.78	19	5		
15	16QAM	1	74	17.89	17.99	17.78	17.88	17.99	17.78	19	5		
15	16QAM	36	0	17.87	17.96	17.84	17.84	17.96	17.84	19	5		
15	16QAM	36	20	17.79	17.97	17.85	17.85	17.97	17.85	19	5		
15	16QAM	36	39	17.83	17.99	17.80	17.80	17.99	17.80	19	5		
15	16QAM	75	0	17.91	18.01	17.87	17.87	18.01	17.87	19	5		
15	16QAM	75	29	17.88	17.99	17.87	17.87	18.01	17.87	19	5		
Channel												Tune-up (dB)	MPR (dB)
Frequency (MHz)	1	0	22.90	23.09	22.95	22.75	22.84	22.81	22.90	23695	23995		
10	QPSK	1	0	22.79	22.93	22.93	22.74	22.88	22.87	24	0		
10	QPSK	1	25	22.83	22.70	22.87	22.74	22.88	22.87	24	0		
10	QPSK	1	50	22.88	22.78	22.81	22.74	22.88	22.87	24	0		
10	QPSK	25	0	21.71	21.83	21.75	21.76	21.83	21.75	23	1		
10	QPSK	25	12	21.74	21.85	21.71	21.76	21.83	21.75	23	1		
10	QPSK	25	24	21.66	21.89	21.81	21.76	21.83	21.75	23	1		
10	QPSK	50	0	21.80	21.96	21.80	21.80	21.96	21.80	23	1		
10	16QAM	1	0	21.81	21.87	21.81	21.81	21.87	21.81	23	1		
10	16QAM	1	25	21.74	21.86	21.86	21.81	21.86	21.86	23	1		
10	16QAM	1	50	21.74	21.78	21.81	21.81	21.78	21.81	23	1		
10	16QAM	25	0	20.78	20.85	20.70	20.70	20.85	20.70	22	2		
10	16QAM	25	12	20.88	20.84	20.81	20.81	20.84	20.81	22	2		
10	16QAM	25	24	20.89	20.88	20.79	20.79	20.88	20.79	22	2		
10	16QAM	50	0	20.98	20.95	20.77	20.77	20.98	20.95	22	2		
10	16QAM	50	12	20.77	20.89	20.84	20.84	20.77	20.89	22	2		
10	16QAM	1	25	20.75	20.75	20.68	20.68	20.75	20.68	22	2		
10	16QAM	1	50	20.79	20.78	20.81	20.81						



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Band 38 Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up Int (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	19.87	19.70	19.67	20.8	0		
20	QPSK	1	49	19.87	19.62	19.58	20.8	0		
20	QPSK	1	99	19.85	19.68	19.67	20.8	0		
20	QPSK	50	0	19.86	19.68	19.67	20.8	0		
20	QPSK	50	24	19.87	19.67	19.65	20.8	0		
20	QPSK	50	50	19.81	19.67	19.65	20.8	0		
20	QPSK	100	0	19.82	19.55	19.65	20.8	0		
20	HQAM	1	0	19.87	19.52	19.54	20.8	0		
20	HQAM	1	49	19.87	19.52	19.58	20.8	0		
20	HQAM	1	99	19.87	19.52	19.51	20.8	0		
20	HQAM	50	0	19.58	19.55	19.51	20.8	0		
20	HQAM	50	24	19.56	19.43	19.46	20.8	0		
20	HQAM	50	50	19.44	19.52	19.49	20.8	0		
20	HQAM	100	0	19.38	19.42	19.51	20.8	0		
20	HQAM	100	24	19.36	19.43	19.46	20.8	0		
20	HQAM	100	50	19.29	19.45	19.55	20.8	0		
20	HQAM	1	0	19.85	19.48	19.53	20.8	0		
20	HQAM	1	49	19.85	19.52	19.57	20.8	0		
20	HQAM	1	99	19.85	19.52	19.57	20.8	0		
20	HQAM	50	0	19.48	19.49	19.52	20.8	0		
20	HQAM	50	24	19.48	19.41	19.53	20.8	0		
20	HQAM	50	50	19.48	19.50	19.49	20.8	0		
20	HQAM	100	0	19.33	19.39	19.53	20.8	0		
20	HQAM	100	24	19.38	19.17	19.12	20.8	0		
20	HQAM	100	49	17.82	17.86	17.86	19.2	1.6		
20	ZSSBAM	1	0	17.88	17.86	17.84	19.2	1.6		
20	ZSSBAM	50	0	18.06	17.91	18.07	19.2	1.6		
20	ZSSBAM	50	24	18.04	18.00	18.09	19.2	1.6		
20	ZSSBAM	50	50	17.87	17.80	17.86	19.2	1.6		
20	ZSSBAM	100	0	17.82	17.81	17.85	19.2	1.6		
Channel										
Frequency (MHz)										
15	QPSK	1	0	19.87	19.52	19.57	20.8	0		
15	QPSK	1	49	19.29	19.52	19.58	20.8	0		
15	QPSK	1	74	19.49	19.57	19.49	20.8	0		
15	QPSK	36	0	19.69	19.64	19.46	20.8	0		
15	QPSK	36	36	19.45	19.48	19.48	20.8	0		
15	QPSK	36	39	19.34	19.48	19.65	20.8	0		
15	QPSK	75	0	19.55	19.47	19.47	20.8	0		
15	HQAM	1	0	19.29	19.39	19.56	20.8	0		
15	HQAM	1	37	19.33	19.63	19.48	20.8	0		
15	HQAM	1	74	19.47	19.26	19.38	20.8	0		
15	HQAM	36	0	19.62	19.52	19.49	20.8	0		
15	HQAM	36	20	19.18	19.49	19.32	20.8	0		
15	HQAM	36	39	19.38	19.45	19.52	20.8	0		
15	HQAM	75	0	19.50	19.42	19.42	20.8	0		
15	HQAM	1	0	19.44	19.38	19.38	20.8	0		
15	HQAM	1	37	19.42	19.33	19.38	20.8	0		
15	HQAM	1	74	19.52	19.52	19.37	20.8	0		
15	HQAM	36	0	19.36	19.44	19.50	20.8	0		
15	HQAM	36	20	19.28	19.32	19.34	20.8	0		
15	HQAM	36	39	19.42	19.52	19.29	20.8	0		
15	HQAM	75	0	19.28	19.34	19.43	20.8	0		
15	ZSSBAM	1	0	17.89	17.89	17.89	19.2	1.6		
15	ZSSBAM	1	37	17.78	17.78	17.74	19.2	1.6		
15	ZSSBAM	1	74	17.88	17.86	17.86	19.2	1.6		
15	ZSSBAM	36	0	18.01	17.75	17.82	19.2	1.6		
15	ZSSBAM	36	20	17.91	17.81	17.85	19.2	1.6		
15	ZSSBAM	36	39	17.89	17.80	17.79	19.2	1.6		
15	ZSSBAM	75	0	17.81	17.81	17.79	19.2	1.6		
Channel										
Frequency (MHz)										
10	QPSK	1	0	19.88	19.65	19.57	20.8	0		
10	QPSK	1	25	19.35	19.65	19.57	20.8	0		
10	QPSK	1	50	19.45	19.65	19.57	20.8	0		
10	QPSK	25	0	19.88	19.65	19.62	20.8	0		
10	QPSK	25	12	19.43	19.41	19.38	20.8	0		
10	QPSK	25	37	19.44	19.43	19.48	20.8	0		
10	QPSK	50	0	19.38	19.45	19.59	20.8	0		
10	QPSK	50	25	19.37	19.52	19.55	20.8	0		
10	HQAM	1	0	19.29	19.48	19.60	20.8	0		
10	HQAM	1	25	19.29	19.38	19.41	20.8	0		
10	HQAM	25	0	19.42	19.40	19.36	20.8	0		
10	HQAM	25	12	19.32	19.48	19.36	20.8	0		
10	HQAM	25	25	19.42	19.40	19.36	20.8	0		
10	HQAM	50	0	19.17	19.40	19.32	20.8	0		
10	HQAM	1	0	19.34	19.28	19.43	20.8	0		
10	HQAM	1	25	19.42	19.26	19.39	20.8	0		
10	HQAM	1	49	19.45	19.60	19.55	20.8	0		
10	HQAM	25	0	19.44	19.37	19.40	20.8	0		
10	HQAM	25	12	19.27	19.29	19.49	20.8	0		
10	HQAM	25	25	19.31	19.48	19.40	20.8	0		
10	HQAM	50	0	19.32	19.29	19.47	20.8	0		
10	ZSSBAM	1	0	17.82	17.81	17.86	19.2	1.6		
10	ZSSBAM	1	49	17.78	17.85	17.97	19.2	1.6		
10	ZSSBAM	25	0	17.85	17.75	17.83	19.2	1.6		
10	ZSSBAM	25	12	18.05	17.89	17.86	19.2	1.6		
10	ZSSBAM	25	20	17.89	17.85	17.81	19.2	1.6		
10	ZSSBAM	50	0	17.80	17.80	17.81	19.2	1.6		
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.63	19.68	19.66	20.8	0		
5	QPSK	1	12	19.46	19.67	19.60	20.8	0		
5	QPSK	1	24	19.48	19.55	19.61	20.8	0		
5	QPSK	12	0	19.67	19.65	19.67	20.8	0		
5	QPSK	12	7	19.44	19.57	19.47	20.8	0		
5	QPSK	12	31	19.55	19.51	19.64	20.8	0		
5	QPSK	25	0	19.28	19.48	19.44	20.8	0		
5	HQAM	1	0	19.35	19.44	19.59	20.8	0		
5	HQAM	1	12	19.31	19.40	19.47	20.8	0		
5	HQAM	1	24	19.51	19.37	19.43	20.8	0		
5	HQAM	12	0	19.55	19.50	19.38	20.8	0		
5	HQAM	12	7	19.29	19.45	19.26	20.8	0		
5	HQAM	12	13	19.44	19.57	19.45	20.8	0		
5	HQAM	25	0	19.34	19.26	19.41	20.8	0		
5	HQAM	1	0	19.43	19.37	19.63	20.8	0		
5	HQAM	1	12	19.41	19.38	19.33	20.8	0		
5	HQAM	1	24	19.60	19.40	19.46	20.8	0		
5	HQAM	12	0	19.55	19.48	19.36	20.8	0		
5	HQAM	12	7	19.34	19.25	19.47	20.8	0		
5	HQAM	12	31	19.26	19.52	19.42	20.8	0		
5	HQAM	25	0	19.33	19.17	19.42	20.8	0		
5	ZSSBAM	1	0	17.82	17.84	17.87	19.2	1.6		
5	ZSSBAM	1	12	17.76	17.85	17.71	19.2	1.6		
5	ZSSBAM	12	0	17.87	17.87	17.88	19.2	1.6		
5	ZSSBAM	12	7	17.87	17.87	17.88	19.2	1.6		
5	ZSSBAM	12	13	17.80	17.86	17.73	19.2	1.6		
5	ZSSBAM	25	0	17.82	17.81	17.85	19.2	1.6		

Band 38 HPUE Ant0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up Int (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.74	21.76	21.76	22.4	0		
20	QPSK	1	49	21.69	21.69	21.71	22.4	0		
20	QPSK	1	99	21.57	21.67	21.72	22.4	0		
20	QPSK	50	0	21.57	21.77	21.60	22.4	0		
20	QPSK	50	24	21.44	21.60	21.52	22.4	0		
20	QPSK	50	50	21.63	21.71	21.52	22.4	0		
20	QPSK	100	0	21.47	21.65	21.61	22.4	0		
20	16QAM	1	0	21.61	21.63	21.57	22.4	0		
20	16QAM	1	49	21.71	21.66	21.63	22.4	0		
20	16Q									



Band 41 Ant0													
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 Init. (dBm)	MPR (dB)			
Channel													
Frequency (MHz)				39976	40198	40420	40642	40864					
20	QPSK	1	0	19.36	19.52	19.73	19.79	19.68	20.8	0			
20	QPSK	1	49	19.33	19.44	19.52	19.64	19.63	20.8	0			
20	QPSK	1	99	19.33	19.46	19.84	19.81	19.87					
20	QPSK	50	10	19.24	19.81	19.88	19.98	19.47					
20	QPSK	50	24	19.26	19.44	19.81	19.61	19.68					
20	QPSK	50	50	19.33	19.37	19.38	19.51	19.56					
20	HQAM	100	0	19.28	19.49	19.65	19.69	19.46					
20	HQAM	100	0	19.37	19.47	19.80	19.59	19.52					
20	HQAM	1	49	19.29	19.40	19.49	19.81	19.43					
20	HQAM	1	99	19.32	19.38	19.55	19.31	19.67					
20	HQAM	60	0	19.17	19.32	19.63	19.58	19.50					
20	HQAM	50	24	19.31	19.22	19.49	19.55	19.60					
20	HQAM	50	50	19.25	19.31	19.81	19.38	19.64					
20	HQAM	100	0	19.33	19.35	19.36	19.58	19.60					
20	HQAM	1	0	19.16	19.34	19.58	19.88	19.88					
20	HQAM	1	49	19.32	19.46	19.48	19.43	19.48					
20	HQAM	1	99	19.30	19.25	19.56	19.45	19.58					
20	HQAM	50	0	19.28	19.49	19.65	19.69	19.46					
20	HQAM	50	24	19.34	19.26	19.66	19.59	19.49					
20	HQAM	50	50	19.19	19.37	19.81	19.43	19.44					
20	HQAM	100	0	19.28	19.39	19.60	19.41	19.68					
20	256QAM	1	0	17.83	17.81	18.14	18.14	18.06					
20	256QAM	1	49	17.65	17.79	18.12	18.11	18.06		1.8			
20	256QAM	1	99	17.61	17.86	17.87	17.83	17.80					
20	256QAM	60	0	17.67	17.78	18.05	17.87	17.79					
20	256QAM	50	24	17.72	17.84	18.05	17.89	17.80					
20	256QAM	50	50	17.62	17.82	17.81	17.89	17.89		1.8			
20	256QAM	100	0	17.82	17.77	18.00	17.87	17.78					
Channel													
Frequency (MHz)				41008	41160	41312	41464	41616					
19	QPSK	1	0	19.34	19.25	19.82	19.51	19.45					
19	QPSK	1	49	19.34	19.22	19.52	19.52	19.65		20.8			
19	QPSK	1	74	19.18	19.52	19.47	19.48	19.47					
15	QPSK	36	0	19.34	19.27	19.84	19.54	19.45					
15	QPSK	36	36	19.35	19.48	19.48	19.48	19.48					
15	QPSK	36	76	19.19	19.52	19.48	19.50	19.34		20.8			
15	QPSK	75	0	19.21	19.33	19.49	19.54	19.37					
15	HQAM	1	49	19.31	19.40	19.56	19.59	19.54					
15	HQAM	1	37	19.28	19.33	19.44	19.49	19.58		20.8			
15	HQAM	1	74	19.26	19.81	19.53	19.57	19.29					
15	HQAM	36	0	19.12	19.44	19.56	19.50	19.48					
15	HQAM	36	20	19.21	19.28	19.59	19.32	19.58					
15	HQAM	36	59	19.11	19.33	19.38	19.38	19.38		20.8			
15	HQAM	75	0	19.30	19.25	19.38	19.42	19.53					
15	HQAM	1	0	19.20	19.40	19.65	19.52	19.48					
15	HQAM	1	49	19.32	19.37	19.53	19.51	19.42		20.8			
15	HQAM	1	74	19.19	19.43	19.54	19.58	19.34					
15	HQAM	36	0	19.23	19.32	19.58	19.47	19.57					
15	HQAM	36	36	19.25	19.48	19.47	19.49	19.47					
15	HQAM	36	39	19.24	19.48	19.49	19.40	19.40		20.8			
15	HQAM	75	0	19.12	19.47	19.49	19.57	19.40					
15	256QAM	1	49	17.72	17.77	17.96	17.97	17.85					
15	256QAM	1	37	17.71	17.89	18.14	17.87	17.88					
15	256QAM	1	74	17.61	17.86	17.86	17.86	17.86		1.8			
15	256QAM	36	0	17.55	17.77	17.83	17.84	17.85					
15	256QAM	36	20	17.55	17.89	17.83	17.81	17.80					
15	256QAM	36	59	17.68	17.86	17.86	17.86	17.86		1.8			
15	256QAM	75	0	17.82	17.78	18.01	17.86	17.88					
Channel													
Frequency (MHz)				41664	41816	42068	42320	42572					
10	QPSK	1	0	19.24	19.33	19.82	19.59	19.61					
10	QPSK	1	26	19.28	19.30	19.58	19.48	19.45		20.8			
10	QPSK	1	49	19.27	19.30	19.48	19.49	19.40					
10	QPSK	25	0	19.29	19.10	19.80	19.44	19.25					
10	QPSK	25	19	19.20	19.36	19.59	19.59	19.48					
10	QPSK	25	46	19.13	19.36	19.57	19.54	19.39		20.8			
10	QPSK	50	0	19.20	19.32	19.87	19.56	19.48					
10	HQAM	1	26	19.25	19.40	19.29	19.44	19.29					
10	HQAM	1	49	19.01	19.40	19.39	19.21	19.48					
10	HQAM	25	0	19.31	19.08	19.83	19.83	19.32					
10	HQAM	25	12	19.27	19.37	19.53	19.34	19.51					
10	HQAM	25	26	19.27	19.11	19.48	19.53	19.47		20.8			
10	HQAM	50	0	19.32	19.28	19.38	19.42	19.53					
10	HQAM	1	0	19.12	19.47	19.34	19.24	19.48					
10	HQAM	1	26	19.20	19.44	19.34	19.41	19.53					
10	HQAM	1	49	19.07	19.31	19.41	19.31	19.42					
10	HQAM	25	0	19.30	19.18	19.83	19.39	19.34					
10	HQAM	25	13	19.23	19.27	19.34	19.38	19.49					
10	HQAM	25	26	19.14	19.37	19.36	19.35	19.44		20.8			
10	HQAM	50	0	19.24	19.20	19.48	19.26	19.58					
10	256QAM	1	26	17.46	17.82	17.90	17.76	17.58					
10	256QAM	1	49	17.58	17.59	17.92	17.80	17.63		1.8			
10	256QAM	25	0	17.57	17.80	17.87	17.80	17.89					
10	256QAM	25	12	17.79	17.82	18.02	17.72	17.86					
10	256QAM	25	26	17.56	17.71	17.87	17.77	17.86		1.8			
10	256QAM	50	0	17.72	17.73	17.91	17.86	17.72					
Channel													
Frequency (MHz)				42672	42824	43076	43328	43580					
5	QPSK	1	0	19.32	19.27	19.90	19.40	19.42					
5	QPSK	1	12	19.32	19.28	19.48	19.38	19.87		20.8			
5	QPSK	1	24	19.27	19.32	19.45	19.34	19.26					
5	QPSK	12	0	19.16	19.22	19.46	19.40	19.30					
5	QPSK	12	7	19.21	19.22	19.83	19.62	19.51					
5	QPSK	12	13	19.06	19.48	19.43	19.32	19.27					
5	QPSK	25	0	19.37	19.32	19.68	19.39	19.48					
5	HQAM	1	0	19.22	19.38	19.80	19.59	19.44					
5	HQAM	1	12	19.27	19.29	19.35	19.52	19.29		20.8			
5	HQAM	1	24	19.16	19.30	19.47	19.17	19.55					
5	HQAM	12	0	19.11	19.14	19.47	19.46	19.36					
5	HQAM	12	7	19.15	19.36	19.38	19.46	19.83					
5	HQAM	12	13	19.15	19.41	19.26	19.29	19.47		20.8			
5	HQAM	25	0	19.24	19.18	19.52	19.44	19.84					
5	HQAM	1	0	19.18	19.13	19.35	19.54	19.81					
5	HQAM	1	12	19.19	19.27	19.30	19.28	19.47		20.8			
5	HQAM	1	24	19.16	19.13	19.38	19.63	19.44					
5	HQAM	12	0	19.38	19.08	19.55	19.38	19.32					
5	HQAM	12	7	19.22	19.43	19.47	19.33	19.58		20.8			
5	HQAM	12	13	19.16	19.34	19.47	19.40	19.48					
5	HQAM	25	0	19.28	19.23	19.28	19.25	19.54					
5	256QAM	1	0	17.47	17.59	17.91	17.79	17.60					
5	256QAM	1	12	17.53	17.70	17.75	17.86	17.82					
5	256QAM	1	24	17.56	17.52	17.81	17.52	17.87		1.8			
5	256QAM	12	0	17.62	17.68	17.87	17.80	17.89					
5	256QAM	12	7	17.73	17.82	17.89	17.72	17.77					
5	256QAM	12	13	17.58	17.78	17.81	17.72	17.81		1.8			
5	256QAM	25	0	17.83	17.78	17.88	17.81	17.81					

Band 41 HPUE Ant0														
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 Init. (dBm)	MPR (dB)				
Channel														
Frequency (MHz)				39976	40198	40420	40642	40864						
20	QPSK	1	0	21.61	21.65	21.80	21.80	21.77	21.76					
20	QPSK	1	49	21.61	21.56	21.56	21.46	21.48	21.68					
20	QPSK	1	99	21.32	21.34	21.82	21.87	21.74						
20	QPSK	50	0	21.28	21.53	21.77	21.89	21.76						
20	QPSK	50	24	21.27	21.52	21.75	21.74	21.68						
20	QPSK	50	50	21.40	21.33	21.76								



Band 5 Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (Freq)	Power High Ch (Freq)	Power Mid Ch (Freq)	Power High Ch (Freq)	Turn-up time (dB)	MPR (dB)	
Channel 20645 - 20695										
10	QPSK	1	0	22.55	22.61	22.63		23.5	0	
10	QPSK	1	25	22.49	22.56	22.50				
10	QPSK	1	49	22.43	22.49	22.43				
10	QPSK	35	0	22.07	22.30	22.25				
10	QPSK	25	12	21.98	22.03	21.88		23	0.5	
10	QPSK	35	25	21.94	21.98	21.93				
10	QPSK	50	0	22.03	22.15	21.99				
10	16QAM	1	0	22.10	22.28	22.16		23	0.5	
10	16QAM	1	25	21.96	22.13	22.04				
10	16QAM	1	49	21.99	22.05	21.99				
10	16QAM	25	0	21.08	21.24	21.09		22	1.5	
10	16QAM	25	12	21.05	21.18	21.07				
10	16QAM	25	25	20.96	21.03	20.93				
10	16QAM	50	0	21.12	21.29	21.13				
10	16QAM	1	0	21.04	21.21	21.13				
10	16QAM	1	25	21.07	21.16	20.98		22	1.5	
10	16QAM	1	49	21.09	21.03	20.99				
10	16QAM	25	0	18.98	20.08	19.88		21	2.5	
10	16QAM	25	12	20.10	20.13	19.97				
10	16QAM	25	25	19.97	20.08	20.02				
10	16QAM	50	0	19.81	19.94	19.77				
20	256QAM	1	0	18.10	18.21	18.12		19	4.5	
20	256QAM	1	25	17.98	18.02	17.88				
20	256QAM	1	49	17.92	18.02	17.97				
20	256QAM	25	0	18.06	18.16	18.04				
20	256QAM	25	12	18.14	18.19	18.15		19	4.5	
20	256QAM	25	25	17.95	18.03	17.89				
20	256QAM	50	0	17.87	17.97	17.80				
Channel 20695 - 20695										
Channel 20695 - 20745										
5	QPSK	1	0	22.51	22.50	22.40		23.5	0	
5	QPSK	1	12	22.38	22.50	22.35				
5	QPSK	1	24	22.28	22.45	22.22				
5	QPSK	12	0	21.98	22.13	21.92				
5	QPSK	12	7	21.84	21.89	21.76		23	0.5	
5	QPSK	12	14	21.82	21.92	21.83				
5	QPSK	35	0	22.01	22.13	21.95				
5	16QAM	1	0	21.94	22.18	22.02		23	0.5	
5	16QAM	1	12	21.82	21.96	21.83				
5	16QAM	1	24	21.97	21.90	21.82		22	1.5	
5	16QAM	12	0	21.09	21.10	20.99				
5	16QAM	12	7	20.99	21.08	21.05				
5	16QAM	12	13	20.85	20.86	20.89				
5	16QAM	25	0	20.98	21.18	21.01				
5	16QAM	1	0	20.87	21.14	21.08				
5	16QAM	1	12	21.01	21.13	20.88		22	1.5	
5	16QAM	1	24	20.92	20.99	20.84				
5	16QAM	12	0	19.83	19.99	19.89		21	2.5	
5	16QAM	12	7	20.03	20.05	19.81				
5	16QAM	12	13	19.88	20.03	19.82				
5	16QAM	25	0	19.72	19.84	19.74				
5	256QAM	1	0	17.96	18.13	17.85		19	4.5	
5	256QAM	1	12	17.83	17.98	17.83				
5	256QAM	1	24	17.81	17.96	17.85				
5	256QAM	12	0	17.95	18.10	17.84				
5	256QAM	12	7	17.85	18.09	17.82		19	4.5	
5	256QAM	12	13	17.77	17.80	17.80				
5	256QAM	25	0	17.83	17.85	17.81				
Channel 20745 - 20745										
Channel 20745 - 20795										
3	QPSK	1	0	22.46	22.57	22.41		23.5	0	
3	QPSK	1	8	22.32	22.42	22.39				
3	QPSK	1	14	22.22	22.37	22.24				
3	QPSK	8	0	22.04	22.10	21.99				
3	QPSK	8	4	21.91	21.88	21.83		23	0.5	
3	QPSK	8	7	21.83	21.88	21.83				
3	QPSK	15	0	22.01	22.07	21.81				
3	16QAM	1	0	21.99	22.22	22.13		23	0.5	
3	16QAM	1	8	21.92	22.09	21.92				
3	16QAM	1	14	21.89	21.88	21.83		22	1.5	
3	16QAM	8	0	20.97	21.15	20.95				
3	16QAM	8	4	20.87	21.09	21.03				
3	16QAM	8	7	20.93	20.96	20.82				
3	16QAM	15	0	21.07	21.19	20.97				
3	16QAM	1	0	20.91	21.15	21.03		22	1.5	
3	16QAM	1	8	20.99	21.03	20.85				
3	16QAM	1	14	20.92	20.97	20.79				
3	16QAM	8	0	19.88	19.97	19.83		21	2.5	
3	16QAM	8	4	19.98	20.05	19.94				
3	16QAM	8	7	19.79	19.97	19.80				
3	16QAM	15	0	19.78	19.89	19.69				
3	256QAM	1	0	17.99	18.13	18.08		19	4.5	
3	256QAM	1	8	17.79	17.91	17.88				
3	256QAM	1	14	17.80	17.88	17.85				
3	256QAM	8	0	17.93	18.05	17.99		19	4.5	
3	256QAM	8	4	18.00	18.16	18.07				
3	256QAM	8	7	17.88	17.95	17.83				
3	256QAM	15	0	17.81	17.82	17.85				
Channel 20795 - 20845										
Channel 20845 - 20895										
1.4	QPSK	1	0	22.39	22.50	22.50		23.5	0	
1.4	QPSK	1	3	22.39	22.40	22.42				
1.4	QPSK	1	14	22.23	22.45	22.20				
1.4	QPSK	3	0	21.95	22.05	21.92				
1.4	QPSK	3	1	21.85	22.00	21.83				
1.4	QPSK	3	3	21.87	21.88	21.88		23	0.5	
1.4	QPSK	6	0	21.91	22.01	21.88				
1.4	16QAM	1	0	22.08	22.17	22.12		23	0.5	
1.4	16QAM	1	8	21.92	22.08	21.87				
1.4	16QAM	1	5	21.97	22.03	21.86				
1.4	16QAM	3	0	21.99	22.19	22.03				
1.4	16QAM	3	24	21.90	21.98	21.92				
1.4	16QAM	3	3	21.79	21.89	21.87		22	1.5	
1.4	16QAM	6	0	20.96	21.20	20.98				
1.4	16QAM	1	0	20.90	21.04	21.14				
1.4	16QAM	1	3	21.01	21.08	20.80				
1.4	16QAM	1	6	20.90	20.99	20.75		22	1.5	
1.4	16QAM	3	0	20.81	20.94	20.88				
1.4	16QAM	3	1	20.94	21.00	20.84				
1.4	16QAM	3	3	20.90	20.93	20.92				
1.4	16QAM	6	0	19.72	19.83	19.62		21	2.5	
1.4	256QAM	1	0	17.95	18.17	18.07		19	4.5	
1.4	256QAM	1	5	17.78	17.86	17.86				
1.4	256QAM	3	0	17.94	18.06	17.83				
1.4	256QAM	3	1	18.00	18.15	17.89				
1.4	256QAM	3	3	17.82	17.99	17.72				
1.4	256QAM	6	0	17.83	17.82	17.85		19	4.5	

Band 7 Ant1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (Freq)	Power High Ch (Freq)	Power Mid Ch (Freq)	Power High Ch (Freq)	Turn-up time (dB)	MPR (dB)	
Channel 20895 - 20945										
20	QPSK	1	0	18.81	18.90	18.84		17.8	0	
20	QPSK	1	49	18.62	18.81	18.83				
20	QPSK	1	99	18.79	18.85	18.80				
20	QPSK	50	0	18.79	18.85	18.81		17.8	0	
20	QPSK	50	24	18.67	18.85	18.70				
20	QPSK	50	49	18.80	18.81	18.80				
20	QPSK	100	0	18.68	18.77	18.74				
20	16QAM	1	0	18.79	18.84	18.85		17.8	0	
20	16QAM	1	49	18.74	18.71	18.69				
20	16QAM	1	99	18.73	18.75	18.63				
20	16QAM	50	0	18.67	18.81	18.70		17.8	0	
20	16QAM	50	24	18.74	18.83	18.83				
20	16QAM	50	49	18.70	18.74	18.54				
20	16QAM	100	0	18.77	18.80	18.86		17.8	0	
20	16QAM	1	0	18.62	18.82	18.82		17.8	0	
20	16QAM	1	99	18.70	18.76	18.73				
20	16QAM	50	0	18.75	18.82	18.80		17.8	0	
20	16QAM	50	24	18.76	18.78	18.63				
20	16QAM	50	49	18.72	18.76	18.71				
20	256QAM	1	0	18.64	18.66	18.77		17.8	0	
20										



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Band 42 FCCAnt2

Channel	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up test (dBm)	MPR (dB)			
Channel 42180 - 42190								
Frequency (MHz)								
20	QPSK	1	0	18.34	18.35	18.35	19	0
20	QPSK	1	49	18.03	18.23	18.23		
20	QPSK	1	99	18.25	18.18	18.14		
20	QPSK	50	0	18.31	18.32	18.30		
20	QPSK	50	24	18.27	18.32	18.10		
20	QPSK	50	50	18.08	18.20	18.03	19	0
20	QPSK	100	0	18.04	18.22	18.28		
20	HQAM	1	0	18.04	18.27	18.07		
20	HQAM	1	49	18.24	18.28	18.12	19	0
20	HQAM	1	99	18.16	18.37	18.14		
20	HQAM	50	0	18.20	18.24	18.15		
20	HQAM	50	24	18.20	18.21	18.13	19	0
20	HQAM	50	50	18.19	18.19	18.08		
20	HQAM	100	0	18.09	18.10	18.17		
20	HQAM	1	0	18.03	18.10	18.17		
20	HQAM	1	49	18.06	18.32	18.07	19	0
20	HQAM	1	99	18.15	18.30	18.17		
20	HQAM	50	0	18.03	18.10	18.14		
20	HQAM	50	24	18.19	18.34	18.02	19	0
20	HQAM	50	50	18.22	18.18	18.18		
20	HQAM	100	0	18.12	18.03	18.08		
20	ZSSBAM	1	0	18.11	18.10	18.17		
20	ZSSBAM	1	49	18.27	18.26	18.18	19	0
20	ZSSBAM	1	99	18.19	18.15	18.02		
20	ZSSBAM	50	0	18.10	18.30	18.04		
20	ZSSBAM	50	24	18.22	18.25	18.15	19	0
20	ZSSBAM	50	50	18.03	18.20	18.01		
20	ZSSBAM	100	0	18.18	18.34	18.18		
Channel 42190 - 42200								
Frequency (MHz)								
16	QPSK	1	0	18.21	18.32	18.16		
16	QPSK	1	37	18.00	18.27	18.06	19	0
16	QPSK	1	74	18.05	18.22	17.99		
16	QPSK	36	0	18.20	18.15	18.20		
16	QPSK	36	20	18.08	18.18	18.10	19	0
16	QPSK	36	36	18.08	18.18	18.04		
16	QPSK	75	0	18.04	18.20	18.10		
16	HQAM	1	0	18.00	18.38	18.09		
16	HQAM	1	37	18.18	18.22	18.19	19	0
16	HQAM	1	74	18.20	18.20	18.06		
16	HQAM	36	0	18.14	18.27	18.06		
16	HQAM	36	20	18.21	18.37	17.86	19	0
16	HQAM	36	36	18.22	18.18	18.14		
16	HQAM	75	0	18.07	18.23	18.00		
16	HQAM	1	0	18.07	18.37	18.19		
16	HQAM	1	37	18.13	18.35	18.22	19	0
16	HQAM	1	74	18.20	18.18	18.04		
16	HQAM	36	0	18.19	18.22	18.19		
16	HQAM	36	20	18.23	18.07	18.15	19	0
16	HQAM	36	36	18.09	18.28	18.21		
16	HQAM	75	0	18.00	18.32	18.01		
16	ZSSBAM	1	0	18.11	18.33	18.08		
16	ZSSBAM	1	37	18.09	18.27	18.04	19	0
16	ZSSBAM	1	74	18.02	18.30	18.17		
16	ZSSBAM	36	0	18.09	18.20	17.95		
16	ZSSBAM	36	20	18.09	18.17	18.09	19	0
16	ZSSBAM	36	36	18.15	18.24	18.13		
16	ZSSBAM	75	0	18.08	18.32	18.20		
Channel 42200 - 42210								
Frequency (MHz)								
10	QPSK	1	0	18.12	18.33	18.18		
10	QPSK	1	25	18.22	18.20	18.06	19	0
10	QPSK	1	49	18.10	18.24	18.17		
10	QPSK	25	0	18.16	18.24	18.17		
10	QPSK	25	12	18.08	18.16	18.16	19	0
10	QPSK	25	25	18.11	18.34	18.05		
10	QPSK	50	0	18.03	18.23	18.15		
10	HQAM	1	0	18.13	18.30	18.08		
10	HQAM	1	25	18.04	18.32	18.07	19	0
10	HQAM	1	49	18.03	18.18	18.21		
10	HQAM	25	0	18.16	18.22	18.01		
10	HQAM	25	12	18.21	18.28	18.13	19	0
10	HQAM	25	25	18.09	18.07	18.01		
10	HQAM	50	0	18.15	18.18	18.03		
10	HQAM	1	0	18.20	18.24	18.10		
10	HQAM	1	25	18.09	18.32	18.07	19	0
10	HQAM	1	49	18.15	18.19	18.09		
10	HQAM	25	0	18.13	18.15	18.07		
10	HQAM	25	12	18.20	18.10	18.05	19	0
10	HQAM	25	25	18.03	18.22	18.08		
10	HQAM	50	0	18.08	18.31	18.05		
10	ZSSBAM	1	0	18.03	18.24	18.13		
10	ZSSBAM	1	25	18.13	18.34	18.19	19	0
10	ZSSBAM	1	49	18.17	18.35	18.20		
10	ZSSBAM	25	0	18.14	18.23	18.16		
10	ZSSBAM	25	12	18.09	18.19	18.11	19	0
10	ZSSBAM	25	25	18.18	18.26	18.14		
10	ZSSBAM	50	0	18.22	18.22	18.04		
Channel 42210 - 42220								
Frequency (MHz)								
5	QPSK	1	0	18.09	18.27	18.04		
5	QPSK	1	12	18.19	18.25	18.05	19	0
5	QPSK	1	24	18.11	18.07	18.03		
5	QPSK	12	0	18.23	18.20	18.05		
5	QPSK	12	7	18.07	18.22	18.04	19	0
5	QPSK	12	13	18.21	18.20	18.04		
5	QPSK	25	0	18.23	18.17	18.11		
5	HQAM	1	0	18.21	18.32	18.17		
5	HQAM	1	12	18.00	18.30	18.04	19	0
5	HQAM	1	24	18.06	18.18	18.18		
5	HQAM	12	0	18.18	18.20	18.11		
5	HQAM	12	7	18.18	18.25	18.13	19	0
5	HQAM	12	13	18.02	18.18	18.12		
5	HQAM	25	0	18.04	18.15	18.18		
5	HQAM	1	0	18.18	18.30	18.21		
5	HQAM	1	12	18.14	18.24	17.99	19	0
5	HQAM	1	24	18.01	18.35	18.10		
5	HQAM	12	0	18.20	18.38	18.22		
5	HQAM	12	7	18.14	18.20	18.11	19	0
5	HQAM	12	13	18.05	18.31	18.22		
5	HQAM	25	0	18.22	18.20	18.19		
5	ZSSBAM	1	0	18.00	18.31	18.14		
5	ZSSBAM	1	12	18.02	18.16	18.15	19	0
5	ZSSBAM	1	24	18.07	18.15	18.02		
5	ZSSBAM	12	0	18.24	18.20	18.18		
5	ZSSBAM	12	7	18.12	18.20	18.03	19	0
5	ZSSBAM	12	13	18.01	18.29	18.19		
5	ZSSBAM	25	0	18.09	18.33	18.14		



Reduced Power Mode for WWAN DSI 6-Standalone

Device/Mod	Best Average Power (dBm)			Turn-up Limit (dBm)	Frame-Average Power (dBm)			Turn-up Limit (dBm)
	FR1.2	FR1.4	FR1.8		FR1.2	FR1.4	FR1.8	
Frequency (MHz)	824.2	832.4	848.8		824.2	832.4	848.8	
OPRS 1 Tx limit	32.39	32.21	32.85	33.39	31.89	32.1	32.85	33.39
OPRS 1 Tx min	32.80	32.65	32.85	33.00	32.80	32.65	32.85	33.00
OPRS 2 Tx limit	30.79	30.24	30.42	31.00	29.79	29.42	30.42	31.00
OPRS 2 Tx min	29.79	29.22	29.79	30.00	29.02	29.09	29.79	30.00
OPRS 4 Tx limit	27.28	27.60	27.56	28.00	26.48	26.92	27.56	28.00
OPRS 4 Tx min	26.74	26.71	26.76	27.00	25.74	25.71	26.76	27.00
EDGE 2 Tx limit	25.72	25.87	25.68	27.00	19.72	19.87	19.68	21.00
EDGE 2 Tx min	25.87	24.78	24.52	25.00	20.11	19.92	19.97	21.00
EDGE 4 Tx limit	23.02	22.54	23.30	24.00	19.92	19.54	19.30	21.00

Device/Mod	Best Average Power (dBm)			Turn-up Limit (dBm)	Frame-Average Power (dBm)			Turn-up Limit (dBm)
	FR1.2	FR1.4	FR1.8		FR1.2	FR1.4	FR1.8	
Frequency (MHz)	862.2	868.4	892.8		862.2	868.4	892.8	
OPRS 1 Tx limit	30.07	30.04	30.00	30.00	29.07	29.04	29.00	29.00
OPRS 1 Tx min	30.19	30.30	30.18	30.00	29.19	29.30	29.18	29.00
OPRS 2 Tx limit	27.04	27.00	27.08	28.00	26.04	26.00	27.08	28.00
OPRS 2 Tx min	26.18	26.27	26.23	27.00	25.60	25.71	25.97	27.00
OPRS 4 Tx limit	25.00	24.78	24.71	26.00	21.00	21.78	21.71	23.00
EDGE 1 Tx limit	25.87	26.17	25.79	27.00	18.87	17.17	18.79	18.00
EDGE 1 Tx min	24.94	24.71	24.69	24.00	18.24	18.71	18.69	20.00
EDGE 2 Tx limit	23.02	23.31	23.38	24.00	19.24	19.44	19.72	20.00
EDGE 4 Tx limit	21.98	22.24	21.77	23.00	18.98	19.24	18.77	20.00

Band	WCDMA 8-Asst			Turn-up Limit (dBm)	WCDMA 11-Asst			Turn-up Limit (dBm)	WCDMA 17-Asst			Turn-up Limit (dBm)
	FR1.2	FR1.4	FR1.8		FR1.2	FR1.4	FR1.8		FR1.2	FR1.4	FR1.8	
Frequency (MHz)	862.2	868.4	892.8		1572	1638	1738		4352	4407	4468	
SOPF Rule 0	22.86	22.82	22.85	23.00	19.24	19.22	19.27	21.40	21.15	21.08	21.21	24.00
SOPF Rule 1	22.95	23.03	22.97	23.00	20.36	20.43	20.37	21.40	21.34	21.36	21.31	24.00
SOPF Rule 2	21.99	21.99	21.97	22.00	19.35	19.49	19.36	20.40	20.24	20.29	20.19	23.00
SOPF Rule 3	21.86	22.04	21.99	22.00	19.25	19.37	19.28	20.40	20.22	20.32	20.10	23.00
SOPF Rule 4	21.52	21.51	21.47	22.00	18.79	18.83	18.87	19.00	21.75	21.76	21.69	22.50
SOPF Rule 5	21.37	21.47	21.39	22.00	18.94	19.05	18.84	19.90	21.68	21.78	21.57	22.50
SOPF Rule 6	22.02	21.89	22.04	22.00	19.41	19.48	19.29	20.40	22.21	22.10	21.94	23.00
SOPF Rule 7	21.96	21.89	21.93	22.00	19.43	19.41	19.43	20.40	22.25	22.24	21.95	23.00
SOPF Rule 8	21.40	21.45	21.56	22.00	18.03	18.88	18.95	19.90	21.66	21.71	21.41	22.50
SOPF Rule 9	21.40	21.41	21.53	22.00	18.07	18.94	18.98	19.00	21.66	21.76	21.48	22.50
SOPF Rule 10	22.03	22.03	21.97	22.00	19.43	19.42	19.37	20.40	22.28	22.32	22.07	23.00
SOPF Rule 11	22.04	22.08	22.02	22.00	17.48	17.74	17.47	18.40	20.29	20.21	20.19	21.00
SOPF Rule 12	20.89	21.12	21.07	21.00	18.34	18.39	18.41	19.40	21.14	21.22	21.07	22.00
SOPF Rule 13	20.02	19.93	19.95	20.00	17.40	17.38	17.27	18.40	20.18	20.12	20.10	21.00
SOPF Rule 14	21.87	22.02	22.02	22.00	19.42	19.43	19.43	20.40	22.21	22.32	22.18	23.00



Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (MHz Ch / Freq), Power (MHz Ch / Freq), Power (MHz Ch / Freq), Turn-up (min), MPR (dB). Contains 30 sub-tables for various frequencies and power levels.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (MHz Ch / Freq), Power (MHz Ch / Freq), Power (MHz Ch / Freq), Turn-up (min), MPR (dB). Contains 30 sub-tables for various frequencies and power levels.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (MHz Ch / Freq), Power (MHz Ch / Freq), Power (MHz Ch / Freq), Turn-up (min), MPR (dB). Contains 30 sub-tables for various frequencies and power levels.

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power (MHz Ch / Freq), Power (MHz Ch / Freq), Power (MHz Ch / Freq), Turn-up (min), MPR (dB). Contains 30 sub-tables for various frequencies and power levels.



Band 12 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)		704	707.5	711					
10	QPSK	1	0	23.18	23.27	23.21			
10	QPSK	1	25	23.03	23.18	23.08			24
10	QPSK	1	49	23.02	23.08	23.96			
10	QPSK	25	0	22.00	22.15	22.00			
10	QPSK	25	12	22.02	22.11	22.04			
10	QPSK	25	25	22.01	22.08	21.94			23
10	QPSK	50	0	22.08	22.14	22.09			
10	16QAM	0	0	22.15	22.21	22.12			
10	16QAM	1	25	22.08	22.17	22.06			23
10	16QAM	1	49	22.03	22.07	21.94			
10	16QAM	25	0	20.98	21.08	21.05			22
10	16QAM	25	12	21.07	21.13	21.05			
10	16QAM	25	25	21.04	21.04	20.95			
10	16QAM	50	0	21.05	21.19	21.09			
10	64QAM	1	0	21.17	21.14	21.18			
10	64QAM	1	25	21.04	21.11	20.96			22
10	64QAM	1	49	20.99	21.00	20.99			
10	64QAM	25	0	20.10	20.11	19.91			
10	64QAM	25	12	19.97	20.12	20.05			21
10	64QAM	25	25	20.00	20.05	19.92			
10	64QAM	50	0	19.99	20.14	20.02			
10	256QAM	1	0	18.12	18.18	18.04			19
10	256QAM	1	49	18.00	18.08	17.94			
10	256QAM	25	0	18.03	18.04	18.04			
10	256QAM	25	12	17.99	18.18	18.02			19
10	256QAM	25	25	18.00	18.03	18.00			
10	256QAM	50	0	18.11	18.11	18.11			
10	256QAM	50	0	23.05	23.05	23.05			
Channel									
5	QPSK	1	0	23.08	23.15	23.11			
5	QPSK	1	12	22.92	23.11	22.99			24
5	QPSK	1	24	22.96	22.99	22.95			
5	QPSK	12	0	21.93	22.10	21.94			
5	QPSK	12	7	21.93	21.98	21.92			23
5	QPSK	12	13	21.93	21.98	21.92			
5	QPSK	25	0	22.00	22.03	22.00			
5	16QAM	1	0	22.09	22.09	21.98			
5	16QAM	1	12	22.00	22.13	22.01			23
5	16QAM	1	24	21.98	22.05	21.95			
5	16QAM	12	0	20.85	21.01	21.00			22
5	16QAM	12	7	21.01	21.08	20.95			
5	16QAM	12	13	20.99	21.00	20.99			
5	16QAM	25	0	20.93	21.08	21.00			
5	64QAM	1	0	21.04	21.04	21.03			22
5	64QAM	1	12	21.06	21.06	21.05			
5	64QAM	1	24	20.97	20.94	20.95			
5	64QAM	12	0	19.89	20.01	19.88			21
5	64QAM	12	7	20.02	20.09	19.88			
5	64QAM	12	13	19.96	19.94	19.81			
5	64QAM	25	0	19.87	19.97	19.96			
5	256QAM	1	0	17.88	18.00	17.92			19
5	256QAM	1	12	17.80	18.04	17.90			
5	256QAM	1	24	17.86	17.87	17.89			
5	256QAM	12	0	17.96	17.96	17.86			
5	256QAM	12	7	17.88	18.03	17.93			19
5	256QAM	12	13	17.92	17.85	17.98			
5	256QAM	25	0	18.01	18.07	18.05			
Channel									
3	QPSK	1	0	23.07	23.16	23.10			
3	QPSK	1	8	22.97	23.11	22.94			24
3	QPSK	1	14	22.90	23.00	22.96			
3	QPSK	8	0	21.86	21.94	21.84			
3	QPSK	8	49	21.94	21.99	21.90			23
3	QPSK	8	7	21.88	21.94	21.87			
3	QPSK	8	14	22.01	22.07	22.00			
3	16QAM	1	0	22.09	22.10	22.09			
3	16QAM	1	8	21.98	22.14	21.96			23
3	16QAM	1	16	21.98	21.98	21.98			
3	16QAM	8	0	20.94	21.08	21.00			
3	16QAM	8	4	21.03	21.02	21.00			22
3	16QAM	8	7	20.96	20.91	20.92			
3	16QAM	15	0	20.90	21.01	20.97			
3	64QAM	1	0	21.03	21.07	21.07			22
3	64QAM	1	8	21.01	21.06	21.07			
3	64QAM	1	14	20.93	20.90	20.91			
3	64QAM	8	0	19.94	19.99	19.97			21
3	64QAM	8	4	19.89	20.06	19.94			
3	64QAM	8	7	19.89	19.99	19.82			
3	64QAM	15	0	19.94	20.07	19.90			
3	256QAM	1	0	18.04	18.04	18.09			19
3	256QAM	1	8	17.88	17.99	17.82			
3	256QAM	1	14	17.86	17.96	17.86			
3	256QAM	8	0	17.92	18.06	17.90			19
3	256QAM	8	4	17.91	18.09	17.88			
3	256QAM	8	7	17.94	17.90	17.85			
3	256QAM	15	0	18.01	18.07	18.07			
Channel									
1.4	QPSK	1	0	23.12	23.06	23.09			
1.4	QPSK	1	3	22.99	23.10	22.90			24
1.4	QPSK	1	5	22.94	22.94	22.92			
1.4	QPSK	3	0	22.91	22.97	22.95			
1.4	QPSK	3	1	22.90	23.00	22.94			
1.4	QPSK	3	3	22.91	23.01	22.81			23
1.4	QPSK	3	5	21.98	22.04	22.04			
1.4	16QAM	1	0	22.10	22.16	22.08			
1.4	16QAM	1	3	22.03	22.05	22.02			
1.4	16QAM	1	5	21.91	22.02	21.89			23
1.4	16QAM	3	0	21.85	22.02	22.01			
1.4	16QAM	3	1	21.96	22.04	21.95			
1.4	16QAM	3	3	22.00	22.01	21.84			
1.4	16QAM	6	0	20.95	21.06	20.95			22
1.4	64QAM	1	0	21.00	21.08	21.05			
1.4	64QAM	1	3	20.99	21.05	20.81			
1.4	64QAM	1	5	20.90	20.95	20.95			22
1.4	64QAM	3	0	20.89	21.01	20.79			
1.4	64QAM	3	1	20.85	21.04	21.01			
1.4	64QAM	3	3	20.89	20.97	20.89			21
1.4	64QAM	6	0	19.86	19.91	19.93			
1.4	256QAM	1	0	18.05	18.07	18.11			19
1.4	256QAM	1	3	17.85	17.99	17.92			
1.4	256QAM	1	5	17.87	17.96	17.80			
1.4	256QAM	3	0	17.92	18.06	17.88			19
1.4	256QAM	3	1	17.94	18.11	17.90			
1.4	256QAM	3	3	17.83	17.89	17.94			19
1.4	256QAM	6	0	18.03	18.00	17.99			

Band 13 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0		23.09				
10	QPSK	1	25		23.07				24
10	QPSK	1	49		23.01				
10	QPSK	25	0		22.13				
10	QPSK	25	12		22.07				23
10	QPSK	25	25		22.06				
10	QPSK	50	0		22.17				
10	16QAM	1	0		22.06				
10	16QAM	1	25		21.99				23
10	16QAM	1	49		22.02				
10	16QAM	25	0		21.99				22
10	16QAM	25	12		20.99				
10	16QAM	25	25		20.97				
10	16QAM	50	0		21.13				
10	64QAM	1	0		21.99				
10	64QAM	1	25		20.98				22
10	64QAM	1	49		21.00				
10	64QAM	25	0		20.10				21
10	64QAM	25	12		19.88				
10	64QAM	25	25		20.09				21
10	256QAM	1	0		18.04				19
10	256QAM	1	25		18.11				
10	256QAM	1	49		18.05				
10	256QAM	25	0		18.08				19
10	256QAM	25	12		18.12				
10	256QAM	25	25		18.03				
10	256QAM	50	0		18.16				
Channel									
5	QPSK	1	0		22.92				
5	QPSK	1	12		22.84				24
5	QPSK	1	24		22.83				
5	QPSK	12	0		21.99				
5	QPSK	12	7		21.84				23
5	QPSK	12	13		21.93				
5	QPSK	25	0		21.84				
5	16QAM	1	0		21.87				
5	16QAM	1	12		21.83				23
5	16QAM	1	24		21.85				
5	16QAM	12	0		20.97				22
5	16QAM	12	7		20.89				
5	16QAM	12	13		20.72				
5	16QAM	25	0		20.95				21
5	64QAM	1	0		20.98				22
5	64QAM	1	12		20.74				
5	64QAM	1	24		20.93				
5	64QAM	12	0		19.85				21
5	64QAM	12	7		19.85				
5	64QAM	12	13		19.75				
5	64QAM	25	0		19.83				19
5	64QAM	25	12		18.01				
5	256QAM	1	0		17.77				19
5	256QAM	1	12		17.60</				



Band 25 Ant0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Time-up (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.14	22.30	22.68			
20	QPSK	1	49	22.00	22.09	22.96		23.3	0
20	QPSK	1	99	22.00	22.09	22.96			
20	QPSK	50	0	21.89	22.10	21.72			
20	QPSK	50	24	21.94	21.92	21.88			
20	QPSK	50	50	21.87	21.90	21.76		23	0.3
20	QPSK	100	0	21.81	22.03	21.68			
20	16QAM	100	0	21.72	21.89	21.79			
20	16QAM	1	49	21.82	21.82	21.83		23	0.3
20	16QAM	1	99	21.93	21.92	21.83			
20	16QAM	50	0	20.81	21.90	20.86			
20	16QAM	50	24	20.72	20.85	20.78		22	1.3
20	16QAM	50	50	20.69	20.74	20.81			
20	16QAM	100	0	20.60	21.68	20.75			
20	64QAM	1	0	20.88	20.98	20.72			
20	64QAM	1	49	20.72	20.84	20.75		22	1.3
20	64QAM	50	0	19.88	20.94	19.77			
20	64QAM	50	24	19.86	20.12	19.76			
20	64QAM	50	50	19.83	19.99	19.88		21	2.3
20	64QAM	100	0	19.72	19.87	19.73			
20	256QAM	1	49	17.94	17.90	17.88		19	4.3
20	256QAM	1	99	17.75	17.72	17.82			
20	256QAM	50	0	17.85	17.88	17.88			
20	256QAM	50	24	17.94	17.98	17.75		19	4.3
20	256QAM	50	50	17.84	17.83	17.72			
20	256QAM	100	0	17.80	17.83	17.80			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.01	22.11	21.88			
15	QPSK	1	39	22.06	22.06	21.88		23.3	0
15	QPSK	1	74	21.86	22.04	21.89			
15	QPSK	36	0	21.83	21.93	21.89			
15	QPSK	36	25	21.86	21.71	21.71		23	0.3
15	QPSK	36	39	21.69	21.78	21.63			
15	QPSK	75	0	21.62	21.90	21.66			
15	16QAM	1	0	21.65	21.81	21.71			
15	16QAM	1	37	21.82	21.81	21.72		23	0.3
15	16QAM	1	74	21.86	21.90	21.78			
15	16QAM	36	0	20.67	21.06	20.88			
15	16QAM	36	29	20.71	20.83	20.72		22	1.3
15	16QAM	75	0	20.67	20.78	20.58			
15	64QAM	1	0	20.69	20.82	20.52		22	1.3
15	64QAM	1	39	20.79	20.96	20.88			
15	64QAM	1	74	20.71	20.75	20.77			
15	64QAM	36	0	19.67	19.86	19.58			
15	64QAM	36	29	19.76	19.80	19.61		21	2.3
15	64QAM	36	39	19.77	19.93	19.87			
15	64QAM	75	0	19.64	19.87	19.72			
15	256QAM	1	0	17.86	17.88	17.85			
15	256QAM	1	37	17.74	17.91	17.85		19	4.3
15	256QAM	1	74	17.85	17.87	17.77			
15	256QAM	50	0	17.85	17.88	17.73			
15	256QAM	50	24	17.85	17.84	17.72		19	4.3
15	256QAM	50	39	17.94	17.76	17.51			
15	256QAM	75	0	17.80	17.83	17.80			
Channel									
Frequency (MHz)									
10	QPSK	1	0	21.67	22.04	22.04			
10	QPSK	1	25	21.94	22.08	21.96		23.3	0
10	QPSK	1	49	21.85	22.07	22.05			
10	QPSK	25	12	21.91	21.80	21.72			
10	QPSK	25	25	21.67	21.78	21.72		23	0.3
10	16QAM	1	0	21.62	21.84	21.67			
10	16QAM	1	21	21.62	21.88	21.62		23	0.3
10	16QAM	25	0	20.60	20.89	20.83			
10	16QAM	25	12	20.60	20.86	20.72		22	1.3
10	16QAM	50	0	20.62	20.87	20.59			
10	64QAM	1	0	20.69	20.82	20.52		22	1.3
10	64QAM	1	29	20.66	20.86	20.72			
10	64QAM	1	49	20.64	20.72	20.65			
10	64QAM	25	0	19.71	20.03	19.73			
10	64QAM	25	12	19.76	19.82	19.68		21	2.3
10	64QAM	25	25	19.68	19.86	19.67			
10	64QAM	50	0	19.51	19.80	19.69			
10	256QAM	1	0	17.72	17.80	17.87			
10	256QAM	1	28	17.86	17.70	17.85		19	4.3
10	256QAM	1	49	17.85	17.84	17.85			
10	256QAM	50	0	17.85	17.81	17.83			
10	256QAM	50	12	17.81	17.80	17.73		19	4.3
10	256QAM	50	25	17.88	17.85	17.86			
10	256QAM	50	0	17.48	17.60	17.68			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.03	22.12	22.83			
5	QPSK	1	12	22.08	22.73	22.72		24	0
5	QPSK	1	24	22.80	22.89	22.81			
5	QPSK	12	7	21.96	21.87	21.70		23	1
5	QPSK	12	13	21.89	21.84	21.70			
5	QPSK	25	0	21.60	21.96	21.64			
5	QPSK	25	12	21.63	21.87	21.63		23	1
5	16QAM	1	0	21.83	21.87	21.89			
5	16QAM	1	12	21.75	21.69	21.66		23	1
5	16QAM	12	7	20.72	20.82	20.74		22	2
5	16QAM	12	13	20.73	20.87	20.81			
5	16QAM	25	0	20.87	20.86	20.77			
5	16QAM	25	12	20.84	20.82	20.85		22	2
5	64QAM	1	0	20.77	20.91	20.86			
5	64QAM	1	24	20.73	20.82	20.81		21	3
5	64QAM	1	24	20.71	20.74	20.71			
5	64QAM	12	0	19.83	19.89	19.79			
5	64QAM	12	13	19.77	19.87	19.81		21	3
5	64QAM	12	13	19.71	19.82	19.68			
5	64QAM	25	0	19.84	19.89	19.71			
5	64QAM	25	12	19.72	19.90	19.82		19	5
5	256QAM	1	0	17.71	17.75	17.72			
5	256QAM	1	24	17.77	17.92	17.79		19	5
5	256QAM	12	7	17.75	17.80	17.74			
5	256QAM	12	13	17.80	17.83	17.74		19	5
5	256QAM	25	0	17.81	17.85	17.81			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.17	22.55	22.53			
3	QPSK	1	8	22.59	22.72	22.68		24	0
3	QPSK	1	14	22.83	22.84	22.77			
3	QPSK	1	49	21.80	21.88	21.73			
3	QPSK	8	4	21.70	21.90	21.69		23	1
3	QPSK	8	7	21.68	21.84	21.67			
3	QPSK	15	0	21.63	21.95	21.63			
3	16QAM	1	0	21.80	21.92	21.81		23	1
3	16QAM	1	8	21.78	21.85	21.69			
3	16QAM	1	14	21.78	21.79	21.78		23	1
3	16QAM	8	0	20.72	20.89	20.70		22	2
3	16QAM	8	4	20.78	20.82	20.69			
3	16QAM	15	0	20.88	20.89	20.75			
3	16QAM	15	0	20.80	20.89	20.81		22	2
3	16QAM	15	8	20.81	20.77	20.69			
3	16QAM	1	14	20.82	20.85	20.75			
3	64QAM	8	0	19.78	19.88	19.75		21	3
3	64QAM	8	7	19.77	19.84	19.72			
3	64QAM	8	7	19.75	19.82	19.81			
3	64QAM	15	0	19.62	19.88	19.80			
3	64QAM	15	0	17.78	17.86	17.86		19	5
3	256QAM	1	0	17.85	17.85	17.89			
3	256QAM	1	14	17.79	17.89	17.80		19	5
3	256QAM	1	8	17.81	17.83	17.81			
3	256QAM	8	4	17.71	17.74	17.70		19	5
3	256QAM	8	7	17.77	17.77	17.78			
3	256QAM	15	0	17.88	17.88	17.79			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.15	22.15	22.63			
1.4	QPSK	1	3	22.59	22.75	22.69		24	0
1.4	QPSK	1	5	22.76	22.85	22.82			
1.4	QPSK	1	21	22.73	22.89	22.71			
1.4	QPSK	3	1	22.85	22.86	22.75		23	1
1.4	QPSK	3	3	22.73	22.81	22.72			
1.4	QPSK	8	0	21.83	21.88	21.79			
1.4	16QAM	1	0	21.79	21.93	21.82		23	1
1.4	16QAM	1	3	21.72	21.75	21.66			
1.4	16QAM	1	5	21.85	21.85	21.81			
1.4	16QAM	3	0	21.77	21.83	21.73		22	2
1.4	16QAM	3	1	21.88	21.79	21.74			
1.4	16QAM	8	0	21.66	21.76	21.73			
1.4	16QAM	8	0	20.88	20.88	20.73		22	2
1.4	16QAM	8	0	20.78	20.78	20.62			
1.4	16QAM	15	0	20.78	20.76	20.68			
1.4	16QAM	15	5	20.72	20.85	20.74		22	2
1.4	16QAM	15	0	20.73	20.89	20.78			
1.4									



Band 38 Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power		Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
				Low Ch / Freq	Ch / Freq					
Channel				37850	38000	38150				
Frequency (MHz)				2271	2286	2301				
20	QPSK	1	0	22.91	22.79	22.73	23.81	23.81	23.81	0
20	QPSK	1	49	22.81	22.87	22.87	23.81	23.81	23.81	0
20	QPSK	50	0	22.94	22.86	22.86	23.81	23.81	23.81	0
20	QPSK	50	50	22.98	22.90	22.90	23.81	23.81	23.81	0
20	QPSK	50	24	22.11	22.08	22.24	23.81	23.81	23.81	0.8
20	QPSK	100	0	22.11	22.08	22.19	23.81	23.81	23.81	0
20	QPSK	100	0	22.11	22.08	22.19	23.81	23.81	23.81	0
20	16QAM	1	0	22.95	22.29	22.13	23.81	23.81	23.81	0.8
20	16QAM	1	49	22.12	22.04	22.12	23.81	23.81	23.81	0
20	16QAM	1	99	21.96	22.08	22.21	23.81	23.81	23.81	0
20	16QAM	50	0	21.24	21.07	21.20	23.81	23.81	23.81	0
20	16QAM	50	24	21.96	21.09	21.26	23.81	23.81	23.81	0
20	16QAM	50	50	21.13	21.24	21.01	23.81	23.81	23.81	1.8
20	16QAM	100	0	21.27	21.24	21.24	23.81	23.81	23.81	0
20	16QAM	1	49	21.23	21.07	21.12	23.81	23.81	23.81	1.8
20	16QAM	1	99	21.07	21.03	21.04	23.81	23.81	23.81	0
20	16QAM	50	0	20.29	20.14	20.15	23.81	23.81	23.81	0
20	16QAM	50	24	20.12	20.13	20.15	23.81	23.81	23.81	0
20	16QAM	50	50	20.14	20.05	20.21	23.81	23.81	23.81	2.8
20	16QAM	100	0	19.93	20.03	20.04	23.81	23.81	23.81	0
20	25QAM	1	0	18.07	18.22	18.25	23.81	23.81	23.81	0
20	25QAM	1	49	18.07	18.19	18.11	23.81	23.81	23.81	4.8
20	25QAM	1	99	18.04	18.14	18.10	23.81	23.81	23.81	0
20	25QAM	50	0	18.24	18.07	18.16	23.81	23.81	23.81	0
20	25QAM	50	24	18.17	18.24	18.10	23.81	23.81	23.81	4.8
20	25QAM	50	50	18.12	18.05	18.26	23.81	23.81	23.81	0
20	25QAM	100	0	18.10	18.20	18.16	23.81	23.81	23.81	0
Channel				37825	38000	38175				
Frequency (MHz)				2273	2276	2121.5				
15	QPSK	1	0	22.83	22.79	22.73	23.81	23.81	23.81	0
15	QPSK	1	37	22.74	22.79	22.84	23.81	23.81	23.81	0
15	QPSK	1	74	22.81	22.92	22.84	23.81	23.81	23.81	0
15	QPSK	36	0	22.02	22.08	22.15	23.81	23.81	23.81	0
15	QPSK	36	20	21.92	22.09	22.11	23.81	23.81	23.81	0.8
15	QPSK	36	39	22.09	22.09	22.09	23.81	23.81	23.81	0
15	QPSK	75	0	21.92	22.10	21.81	23.81	23.81	23.81	0
15	16QAM	1	0	21.94	22.18	22.08	23.81	23.81	23.81	0.8
15	16QAM	1	37	21.14	21.14	21.14	23.81	23.81	23.81	0
15	16QAM	1	74	21.87	22.01	22.01	23.81	23.81	23.81	0
15	16QAM	36	0	21.25	21.15	21.00	23.81	23.81	23.81	1.8
15	16QAM	36	20	21.02	21.06	21.09	23.81	23.81	23.81	0
15	16QAM	36	39	21.08	21.26	20.88	23.81	23.81	23.81	0
15	16QAM	75	0	20.98	21.07	20.99	23.81	23.81	23.81	0
15	16QAM	1	0	21.07	21.13	21.05	23.81	23.81	23.81	1.8
15	16QAM	1	37	21.07	21.09	20.98	23.81	23.81	23.81	0
15	16QAM	1	74	20.99	21.00	20.90	23.81	23.81	23.81	0
15	16QAM	36	0	20.14	20.09	19.98	23.81	23.81	23.81	2.8
15	16QAM	36	20	19.93	19.99	20.11	23.81	23.81	23.81	0
15	16QAM	36	39	20.06	20.18	20.21	23.81	23.81	23.81	0
15	16QAM	75	0	19.77	20.00	19.95	23.81	23.81	23.81	0
15	25QAM	1	0	18.07	18.19	18.07	23.81	23.81	23.81	4.8
15	25QAM	1	37	18.06	18.19	18.10	23.81	23.81	23.81	0
15	25QAM	1	74	18.02	18.02	17.99	23.81	23.81	23.81	0
15	25QAM	36	0	18.21	18.27	17.88	23.81	23.81	23.81	4.8
15	25QAM	36	20	18.18	18.20	17.89	23.81	23.81	23.81	0
15	25QAM	36	39	18.00	17.88	18.26	23.81	23.81	23.81	0
15	25QAM	75	0	18.01	17.86	17.96	23.81	23.81	23.81	0
Channel				37875	38000	38200				
Frequency (MHz)				2275	2296	2615				
10	QPSK	1	0	22.84	22.89	22.77	23.81	23.81	23.81	0
10	QPSK	1	25	22.77	22.71	22.77	23.81	23.81	23.81	0
10	QPSK	1	49	22.76	22.94	22.78	23.81	23.81	23.81	0
10	QPSK	25	0	21.91	22.06	22.14	23.81	23.81	23.81	0
10	QPSK	25	12	22.12	21.90	22.26	23.81	23.81	23.81	0.8
10	QPSK	25	25	21.94	22.04	22.02	23.81	23.81	23.81	0
10	QPSK	100	0	21.15	22.04	21.60	23.81	23.81	23.81	0
10	16QAM	1	0	22.03	22.14	22.08	23.81	23.81	23.81	0.8
10	16QAM	1	25	21.90	22.06	22.01	23.81	23.81	23.81	0
10	16QAM	1	49	21.81	22.09	22.14	23.81	23.81	23.81	0
10	16QAM	26	0	21.10	21.26	21.00	23.81	23.81	23.81	1.8
10	16QAM	26	12	20.90	20.97	21.18	23.81	23.81	23.81	0
10	16QAM	26	26	21.06	21.10	20.98	23.81	23.81	23.81	0
10	16QAM	50	0	20.99	21.02	21.13	23.81	23.81	23.81	0
10	16QAM	1	0	21.06	21.16	20.90	23.81	23.81	23.81	1.8
10	16QAM	1	25	21.08	20.95	21.11	23.81	23.81	23.81	0
10	16QAM	1	49	20.93	20.91	20.84	23.81	23.81	23.81	1.8
10	16QAM	26	0	20.28	20.09	20.06	23.81	23.81	23.81	2.8
10	16QAM	26	12	20.00	20.08	20.00	23.81	23.81	23.81	0
10	16QAM	26	25	20.14	20.07	20.15	23.81	23.81	23.81	0
10	16QAM	50	0	19.89	19.93	19.87	23.81	23.81	23.81	0
10	25QAM	1	0	17.90	18.17	18.25	23.81	23.81	23.81	4.8
10	25QAM	1	25	18.09	18.15	18.10	23.81	23.81	23.81	0
10	25QAM	1	49	17.91	18.09	17.92	23.81	23.81	23.81	0
10	25QAM	26	0	18.21	18.28	18.07	23.81	23.81	23.81	4.8
10	25QAM	26	12	17.90	18.17	18.09	23.81	23.81	23.81	0
10	25QAM	26	25	18.02	17.92	18.17	23.81	23.81	23.81	0
10	25QAM	50	0	18.07	17.90	18.01	23.81	23.81	23.81	0
Channel				37925	38000	38175				
Frequency (MHz)				2275	2296	2615				
5	QPSK	1	0	22.83	22.93	22.60	23.81	23.81	23.81	0
5	QPSK	1	12	22.83	22.87	22.60	23.81	23.81	23.81	0
5	QPSK	1	24	22.73	22.78	22.87	23.81	23.81	23.81	0
5	QPSK	12	0	22.03	22.01	22.07	23.81	23.81	23.81	0
5	QPSK	12	7	21.89	21.90	22.19	23.81	23.81	23.81	0.8
5	QPSK	12	13	21.94	22.19	22.12	23.81	23.81	23.81	0
5	QPSK	26	0	22.00	22.14	21.81	23.81	23.81	23.81	0
5	16QAM	1	0	21.87	22.12	21.96	23.81	23.81	23.81	0
5	16QAM	1	12	21.91	21.94	22.08	23.81	23.81	23.81	0.8
5	16QAM	1	24	21.96	22.16	22.02	23.81	23.81	23.81	0
5	16QAM	12	0	21.08	21.09	21.04	23.81	23.81	23.81	1.8
5	16QAM	12	7	20.89	20.99	21.27	23.81	23.81	23.81	0
5	16QAM	12	13	20.95	21.21	20.90	23.81	23.81	23.81	0
5	16QAM	26	0	21.11	21.00	21.17	23.81	23.81	23.81	1.8
5	16QAM	1	0	21.09	21.26	20.90	23.81	23.81	23.81	0
5	16QAM	1	12	21.09	20.94	21.02	23.81	23.81	23.81	1.8
5	16QAM	1	24	20.99	20.99	20.80	23.81	23.81	23.81	2.8
5	16QAM	12	0	20.11	19.99	20.24	23.81	23.81	23.81	0
5	16QAM	12	7	20.14	19.96	20.07	23.81	23.81	23.81	0
5	16QAM	12	13	19.99	20.02	20.21	23.81	23.81	23.81	0
5	16QAM	26	0	19.92	19.86	20.03	23.81	23.81	23.81	1.8
5	25QAM	1	0	17.91	18.05	18.04	23.81	23.81	23.81	4.8
5	25QAM	1	12	17.99	18.15	18.11	23.81	23.81	23.81	0
5	25QAM	1	24	18.04	18.01	17.93	23.81	23.81	23.81	0
5	25QAM	12	0	18.14	18.13	18.04	23.81	23.81	23.81	4.8
5	25QAM	12	7	18.03	17.93	18.18	23.81	23.81	23.81	0
5	25QAM	12	13	18.05	17.97	18.00	23.81	23.81	23.81	0

Band 38 HPUE Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power		Power High Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
				Low Ch / Freq	Ch / Freq					
Channel				37950	38000	38150				
Frequency (MHz)				2460	2466	2466				
20	QPSK	1	0	24.60	24.66	24.60	25.4	25.4	25.4	0
20	QPSK	1	49	24.60	24.42	24.43	25.4	25.4	25.4	0
20	QPSK	1	99	24.60	24.44	24.42	25.4	25.4		



Band 41 Ant0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Mid Ch / Freq	Power Low Mid Ch / Freq	Power High Mid Ch / Freq	Tune-up limit (dBm)	MPE (dB)
Channel										
Frequency (MHz)										
39750	40185	40600	41065	41490	41915	42340	42765	43190	43615	44040
20	QPSK	1	0	22.53	22.82	23.11	23.40	23.69	23.98	24.27
20	QPSK	1	49	22.68	22.89	23.09	23.29	23.49	23.69	23.89
20	QPSK	50	0	22.70	22.81	22.92	23.03	23.14	23.25	23.36
20	QPSK	50	0	21.99	21.95	22.13	22.02	22.20	22.09	22.27
20	QPSK	50	24	21.82	21.80	22.05	22.05	21.85	21.85	21.85
20	QPSK	50	49	21.82	21.83	22.08	22.08	21.82	21.82	21.82
20	QPSK	100	0	22.02	21.95	22.19	22.12	22.32	22.24	22.44
20	HQAM	1	0	21.92	21.89	22.11	22.09	22.06	22.06	22.06
20	HQAM	1	49	21.95	21.79	22.02	22.05	21.90	21.90	21.90
20	HQAM	1	99	21.85	21.90	22.07	22.07	21.75	21.75	21.75
20	HQAM	50	0	20.93	21.02	21.17	21.09	20.94	20.94	20.94
20	HQAM	50	24	20.74	20.81	21.10	21.08	20.84	20.84	20.84
20	HQAM	50	49	20.97	21.12	21.21	20.95	20.94	20.94	20.94
20	HQAM	100	0	20.93	21.02	21.15	21.17	20.93	20.93	20.93
20	HQAM	100	49	20.87	20.96	21.00	20.82	20.84	20.84	20.84
20	HQAM	1	99	20.95	21.05	21.08	20.82	20.78	20.78	20.78
20	HQAM	50	0	19.95	20.00	20.06	20.03	20.07	20.07	20.07
20	HQAM	50	24	19.93	20.03	20.07	20.14	20.07	20.07	20.07
20	HQAM	50	50	19.93	19.90	20.00	19.95	19.77	19.77	19.77
20	HQAM	100	0	19.80	20.00	20.06	19.88	19.84	19.84	19.84
20	HQAM	100	49	17.87	18.03	18.16	18.05	18.04	18.04	18.04
20	SSBQAM	1	49	17.80	17.81	17.82	17.89	17.87	17.87	17.87
20	SSBQAM	1	99	17.80	18.13	18.12	17.97	17.81	17.81	17.81
20	SSBQAM	50	0	18.03	18.11	18.14	18.07	17.89	17.89	17.89
20	SSBQAM	50	24	17.93	17.86	18.28	18.06	17.96	17.96	17.96
20	SSBQAM	50	50	17.93	17.93	18.06	17.85	17.80	17.80	17.80
20	SSBQAM	100	0	17.78	17.90	18.00	17.78	17.82	17.82	17.82
Channel										
Frequency (MHz)										
39755	40173	40592	41058	41483	41908	42333	42758	43183	43608	44033
16	QPSK	1	0	22.54	22.82	23.10	23.39	23.67	23.95	24.24
16	QPSK	1	37	22.82	22.84	22.78	22.54	22.68	22.80	22.91
16	QPSK	1	74	22.95	22.86	22.80	22.84	22.97	23.10	23.21
16	QPSK	38	0	22.91	21.78	22.12	21.83	21.89	22.29	22.38
16	QPSK	38	20	21.75	21.78	22.05	21.96	21.81	21.81	21.81
16	QPSK	38	39	21.84	21.83	22.06	21.73	21.74	21.74	21.74
16	QPSK	75	0	21.98	21.88	22.01	22.05	22.08	22.08	22.08
16	HQAM	1	0	21.90	21.84	21.89	22.00	22.02	22.02	22.02
16	HQAM	1	37	21.86	21.83	21.96	21.88	21.75	21.75	21.75
16	HQAM	1	74	21.61	21.73	21.95	21.82	21.86	21.86	21.86
16	HQAM	38	0	20.62	20.63	20.96	20.88	20.88	20.88	20.88
16	HQAM	38	20	20.63	20.80	21.02	20.82	20.72	20.72	20.72
16	HQAM	38	39	20.68	20.66	21.01	20.92	20.86	20.86	20.86
16	HQAM	75	0	20.83	20.85	21.01	20.94	20.88	20.88	20.88
16	HQAM	1	37	20.88	20.99	21.19	20.99	20.97	20.97	20.97
16	HQAM	1	74	20.80	20.89	21.00	20.82	20.86	20.86	20.86
16	HQAM	1	74	20.89	20.82	21.06	20.72	20.74	20.74	20.74
16	HQAM	38	0	19.71	19.88	20.02	19.83	19.87	19.87	19.87
16	HQAM	38	20	19.77	19.83	20.14	20.15	19.94	19.94	19.94
16	HQAM	38	39	19.85	19.84	19.84	19.78	19.88	19.88	19.88
16	HQAM	75	0	19.73	19.81	20.07	19.71	19.79	19.79	19.79
16	SSBQAM	1	0	17.85	17.84	18.12	17.81	18.01	18.01	18.01
16	SSBQAM	1	37	17.85	17.87	18.06	17.88	17.77	17.77	17.77
16	SSBQAM	1	74	17.65	18.04	17.91	17.86	17.80	17.80	17.80
16	SSBQAM	38	0	17.99	18.00	17.86	17.92	17.77	17.77	17.77
16	SSBQAM	38	20	17.76	17.77	18.14	18.11	17.96	17.96	17.96
16	SSBQAM	38	39	17.92	17.88	18.04	17.83	17.89	17.89	17.89
16	SSBQAM	75	0	17.74	17.69	18.11	17.86	17.72	17.72	17.72
Channel										
Frequency (MHz)										
40195	40185	40185	41065	41490	41915	42340	42765	43190	43615	44040
10	QPSK	1	0	22.54	22.82	23.10	23.39	23.67	23.95	24.24
10	QPSK	1	25	22.44	22.87	22.78	22.44	22.62	22.80	22.91
10	QPSK	1	49	22.50	22.81	22.71	22.81	22.51	22.51	22.51
10	QPSK	12	0	22.84	21.83	22.12	21.83	21.84	22.29	22.38
10	QPSK	25	12	21.63	21.70	21.83	22.05	21.82	21.82	21.82
10	QPSK	25	25	21.69	21.81	21.82	21.84	21.80	21.80	21.80
10	QPSK	50	0	21.87	21.74	22.17	22.06	21.82	21.82	21.82
10	HQAM	1	0	21.80	21.94	22.10	21.97	21.82	21.82	21.82
10	HQAM	1	25	21.68	21.77	21.82	21.84	21.78	21.78	21.78
10	HQAM	1	49	21.65	21.81	22.09	21.68	21.68	21.68	21.68
10	HQAM	25	0	20.80	20.94	21.02	20.86	20.80	20.80	20.80
10	HQAM	25	12	20.76	20.76	21.06	20.77	20.76	20.76	20.76
10	HQAM	50	0	20.76	21.00	21.12	21.08	20.95	20.95	20.95
10	HQAM	50	12	20.90	21.00	21.08	21.06	20.86	20.86	20.86
10	HQAM	1	49	20.69	20.69	21.07	20.93	20.87	20.87	20.87
10	HQAM	25	0	19.87	19.86	19.81	19.87	19.82	19.82	19.82
10	HQAM	25	12	19.75	20.05	20.13	20.12	20.02	20.02	20.02
10	HQAM	25	25	19.84	19.76	19.84	19.74	19.74	19.74	19.74
10	HQAM	50	0	19.84	19.87	20.02	19.84	19.82	19.82	19.82
10	SSBQAM	1	0	17.77	17.91	18.16	17.85	17.97	17.97	17.97
10	SSBQAM	1	25	17.75	17.80	17.85	17.88	17.82	17.82	17.82
10	SSBQAM	1	49	17.71	18.04	18.09	17.81	17.89	17.89	17.89
10	SSBQAM	25	0	18.03	17.93	18.11	17.89	17.70	17.70	17.70
10	SSBQAM	25	12	18.04	18.03	18.06	18.06	17.94	17.94	17.94
10	SSBQAM	25	25	17.77	17.59	18.10	18.07	17.77	17.77	17.77
10	SSBQAM	50	0	17.78	17.78	18.03	17.87	17.74	17.74	17.74
Channel										
Frequency (MHz)										
2468.5	2548.5	2608	2648.5	2687.5	2727	2766.5	2806	2845.5	2885	2924.5
5	QPSK	1	0	22.57	22.72	22.95	22.89	22.70	22.50	22.30
5	QPSK	1	12	22.50	22.82	22.81	22.55	22.50	22.50	22.50
5	QPSK	1	24	22.49	22.78	22.82	22.55	22.80	22.80	22.80
5	QPSK	12	0	21.80	21.72	22.16	21.88	21.89	21.89	21.89
5	QPSK	12	7	21.78	21.75	21.97	21.69	21.77	21.77	21.77
5	QPSK	12	13	21.78	21.67	21.97	21.82	21.88	21.88	21.88
5	QPSK	25	0	22.02	21.79	21.86	21.69	22.01	22.01	22.01
5	QPSK	25	0	21.77	21.68	22.10	22.09	22.05	22.05	22.05
5	HQAM	1	12	21.73	21.66	22.11	21.88	21.78	21.78	21.78
5	HQAM	1	24	21.82	21.77	21.84	21.76	21.80	21.80	21.80
5	HQAM	12	0	20.69	20.82	21.09	20.81	20.73	20.73	20.73
5	HQAM	12	7	20.67	20.67	21.12	20.81	20.69	20.69	20.69
5	HQAM	12	13	20.76	21.00	21.17	20.82	20.84	20.84	20.84
5	HQAM	25	0	20.75	21.01	21.12	21.01	21.02	21.02	21.02
5	HQAM	1	0	20.99	20.86	20.85	21.11	20.94	20.94	20.94
5	HQAM	1	12	20.87	20.80	21.07	20.83	20.72	20.72	20.72
5	HQAM	1	24	20.85	20.96	20.88	20.79	20.78	20.78	20.78
5	HQAM	12	0	19.81	20.09	20.08	20.17	20.80	20.80	20.80
5	HQAM	12	7</							



Band 5 Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dB)	MPE (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.33	23.38	23.35	24	0
10	QPSK	1	25	23.18	23.26	23.20		
10	QPSK	1	49	23.07	23.21	23.18		
10	QPSK	25	0	22.12	22.28	22.18	23	1
10	QPSK	25	12	22.19	22.26	22.17		
10	QPSK	25	25	22.18	22.22	22.14		
10	QPSK	50	0	22.11	22.19	22.11		
10	QPSK	1	0	22.08	22.12	21.99		
10	16QAM	1	25	21.98	22.06	22.00	23	1
10	16QAM	1	49	21.88	22.00	21.84		
10	16QAM	25	0	21.10	21.22	21.10		
10	16QAM	25	12	21.19	21.27	21.19	22	2
10	16QAM	25	25	21.10	21.22	21.12		
10	16QAM	50	0	21.13	21.24	21.21		
10	16QAM	1	0	21.12	21.17	21.07		
10	8QAM	1	25	20.95	21.06	20.90	22	2
10	8QAM	1	49	21.18	21.23	21.13		
10	8QAM	25	0	20.15	20.20	20.07		
10	8QAM	25	12	20.10	20.18	20.07		
10	8QAM	25	25	20.12	20.18	20.05	21	3
10	8QAM	50	0	20.11	20.15	20.02		
10	SSB-QAM	1	0	18.06	18.06	18.06		
10	SSB-QAM	1	25	17.97	18.06	18.01	19	5
10	SSB-QAM	1	49	18.06	18.13	18.03		
10	SSB-QAM	25	0	18.05	18.05	18.05		
10	SSB-QAM	25	12	17.99	18.07	17.94		
10	SSB-QAM	25	25	18.07	18.12	18.06		
10	SSB-QAM	50	0	18.05	18.14	18.07		
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.26	23.31	23.26	24	0
5	QPSK	1	12	23.05	23.17	23.09		
5	QPSK	1	24	22.95	23.12	23.02		
5	QPSK	12	0	22.01	22.18	22.10	23	1
5	QPSK	12	7	22.08	22.12	22.06		
5	QPSK	12	13	22.06	22.10	22.07		
5	QPSK	25	0	22.00	22.19	22.05		
5	16QAM	1	0	22.01	22.06	21.88		
5	16QAM	1	12	21.84	21.97	21.85	23	1
5	16QAM	1	24	21.80	21.92	21.80		
5	16QAM	12	0	21.05	21.09	21.05		
5	16QAM	12	7	21.12	21.20	21.08	22	2
5	16QAM	12	13	21.01	21.13	21.02		
5	16QAM	25	0	21.08	21.16	21.14		
5	8QAM	1	0	21.05	21.12	20.99		
5	8QAM	1	12	20.98	21.06	20.92	21	3
5	8QAM	1	24	21.10	21.12	21.02		
5	8QAM	12	0	20.07	20.17	20.00		
5	8QAM	12	7	20.09	20.09	19.95		
5	8QAM	12	13	20.01	20.05	19.95		
5	8QAM	25	0	20.07	20.03	19.92		
5	SSB-QAM	1	0	18.01	18.05	17.89		
5	SSB-QAM	1	12	17.88	18.02	17.84	19	5
5	SSB-QAM	1	24	18.03	18.08	17.83		
5	SSB-QAM	12	0	18.03	18.06	17.87		
5	SSB-QAM	12	7	17.96	17.92	17.84		
5	SSB-QAM	12	13	17.97	17.88	18.03		
5	SSB-QAM	25	0	17.97	18.03	17.85		
Channel								
Frequency (MHz)								
3	QPSK	1	0	23.17	23.24	23.21	24	0
3	QPSK	1	8	23.03	23.13	23.12		
3	QPSK	1	14	22.94	23.11	23.06		
3	QPSK	12	0	22.08	22.17	22.09	23	1
3	QPSK	8	4	22.09	22.20	22.11		
3	QPSK	8	7	22.07	22.15	22.09		
3	QPSK	16	0	21.98	22.11	22.01		
3	16QAM	1	0	21.97	22.07	21.93	23	1
3	16QAM	1	8	21.85	21.98	21.85		
3	16QAM	1	14	21.77	21.94	21.80		
3	16QAM	8	0	21.01	21.18	21.07		
3	16QAM	8	4	21.05	21.12	21.13	22	2
3	16QAM	8	7	21.06	21.11	21.06		
3	8QAM	1	0	21.00	21.15	21.12		
3	8QAM	1	8	20.98	21.06	21.00	22	2
3	8QAM	1	14	20.95	21.03	20.79		
3	8QAM	8	0	20.03	20.17	19.99		
3	8QAM	8	4	20.03	20.06	20.02		
3	8QAM	8	7	20.00	20.10	20.00	21	3
3	8QAM	15	0	20.02	20.01	19.96		
3	SSB-QAM	1	0	18.01	18.11	17.84		
3	SSB-QAM	1	8	17.90	17.96	17.83	19	5
3	SSB-QAM	1	14	17.92	18.04	17.86		
3	SSB-QAM	8	0	17.97	18.11	17.83		
3	SSB-QAM	8	4	17.86	17.88	17.81		
3	SSB-QAM	8	7	17.95	18.01	17.81		
3	SSB-QAM	15	0	17.91	18.01	17.85		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	23.07	23.21	23.21	24	0
1.4	QPSK	1	3	23.03	23.22	23.17		
1.4	QPSK	1	5	22.95	23.11	23.11		
1.4	QPSK	3	0	22.08	23.18	23.07	23	1
1.4	QPSK	3	1	23.10	23.15	23.03		
1.4	QPSK	3	3	23.07	23.12	23.04		
1.4	QPSK	6	0	22.04	22.07	22.01		
1.4	16QAM	1	0	21.92	22.07	21.84	23	1
1.4	16QAM	1	3	21.89	21.92	21.87		
1.4	16QAM	1	5	21.81	21.91	21.88		
1.4	16QAM	3	0	22.02	22.13	22.05		
1.4	16QAM	3	1	22.07	22.13	22.06		
1.4	16QAM	3	3	21.98	22.07	22.04	22	2
1.4	16QAM	6	0	21.00	21.13	21.08		
1.4	8QAM	1	0	21.03	21.03	21.01		
1.4	8QAM	1	3	20.98	20.98	20.89		
1.4	8QAM	1	5	21.04	21.09	21.02	22	2
1.4	8QAM	3	0	21.09	21.07	20.96		
1.4	8QAM	3	1	20.93	21.06	21.00		
1.4	8QAM	3	3	21.01	21.12	20.91		
1.4	8QAM	6	0	20.01	20.02	19.99	21	3
1.4	SSB-QAM	1	0	18.05	18.04	17.88		
1.4	SSB-QAM	1	3	17.88	17.95	17.80	19	5
1.4	SSB-QAM	1	5	17.97	17.99	17.85		
1.4	SSB-QAM	3	0	17.96	18.06	17.86		
1.4	SSB-QAM	3	1	17.89	17.92	17.85		
1.4	SSB-QAM	6	0	17.94	18.00	18.03	19	5

Band 7 Ant1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dB)	MPE (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	18.84	18.90	18.80		
20	QPSK	1	49	18.82	18.85	18.84	20.1	0
20	QPSK	1	99	18.86	18.91	18.82		
20	QPSK	50	0	18.88	18.98	18.91		
20	QPSK	50	24	18.85	18.95	18.72	20.1	0
20	QPSK	50	50	18.71	18.85	18.78		
20	QPSK	100	0	18.82	18.95	18.93		
20	QPSK	1	0	18.75	18.88	18.77		
20	16QAM	1	49	18.76	18.90	18.78	20.1	0
20	16QAM	1	99	18.85	18.90	18.86		
20	16QAM	50	0	18.92	18.95	18.79		
20	16QAM	50	24	18.93	18.92	18.78	20.1	0
20	16QAM	50	50	18.92	18.99	18.83		
20	16QAM	100	0	18.79	18.91	18.80		
20	16QAM	1	0	18.79	18.87	18.79		
20	16QAM	1	49	18.90	18.94	18.83	20.1	0
20	16QAM	1	99	18.81	18.81	18.83		
20	16QAM	50	0	18.87	18.77	18.73		
20	16QAM	50	24	18.74	18.85	18.67	20.1	0
20	16QAM	50	50	18.81	18.90	18.85		
20	16QAM	100	0	18.79	18.91	18.80		
20	SSB-QAM	1	0	17.80	17.86	17.67		
20	SSB-QAM	1	49	17.68	17.96	17.74	19	1.1
20	SSB-QAM	1	99	17.80	17.78	17.79		
20	SSB-QAM	25	0	17.69	17.82	17.75		
20	SSB-QAM	25	12	17.86	17.96	17.85	19	1.1
20	SSB-QAM	50	0	17.64	17.79	17.72		
20	SSB-QAM	100	0	17.72	17.83	17.66		
Channel								
Frequency (MHz)								
15	QPSK	1	0	18.80	18.97	18.90		
15	QPSK	1	37	18.83	18.83	18.83	20.1	0
15	QPSK	1	74	18.84	18.86	18.71		
15	QPSK	76	0	18.86	18.99	18.87		
15	QPSK	200	0	18.82	18.82	18.82	20.1	0
15	QPSK	36	36	18.85	18.85	18.59		
15	16QAM	75	0	18.74	18.86	18.67		
15	16QAM	1	0	18.68	18.86	18.67		
15	16QAM	1	37	18.69	18.90	18.79	20.1	0
15	16QAM	1	74	18.81	18.73	18.65		
15	16QAM	36	0	18.81	18.73	18.65		
15	16QAM	36	20	18.69	18.79	18.79	20.1	0
15	16QAM	36	39	18.67	18.63	18.58		
15	16QAM	75	0	18.65	18.80	18.72	20.1	0
15	16QAM	1	0	18.75	18.76	18.65		
15	16QAM	1	37	18.81	18.73	18.66		
15	16QAM	1	74	18.57	18.53	18.72		
15	16QAM	36	0	18.84	18.88	18.71		
15	16QAM	36	20	18.63	18.63	18.63	20.1	0
15	16QAM	36	39	18.40	18.55	18.50		
15	16QAM	75	0	18.68	18.70	18.60		
15	SSB-QAM	1	0	17.69	17.77	17.59		
15	SSB-QAM	1	37	17.59	17.51	17.50	19	1.1
15	SSB-QAM	1	74	17.79	17.76	17.68		
15	SSB-Q							



Band 42 FCCAnt2

Bit (Hz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42990	42990		
Frequency (MHz)				3440	3660	3660		
20	QPSK	1	0	23.49	23.53	23.48	24	0
20	QPSK	1	48	23.32	23.43	23.29		
20	QPSK	1	96	22.98	23.48	23.32		
20	QPSK	50	0	22.45	22.55	22.49		
20	QPSK	50	24	22.38	22.51	22.38	23	1
20	QPSK	100	0	22.35	22.50	22.40		
20	HQAM	1	0	22.45	22.57	22.55		
20	HQAM	1	48	22.29	22.49	22.27	23	1
20	HQAM	1	96	22.41	22.48	22.38		
20	HQAM	50	0	21.51	21.56	21.39		
20	HQAM	50	24	21.53	21.54	21.39	22	2
20	HQAM	50	50	21.44	21.54	21.52		
20	HQAM	100	0	21.38	21.5	21.45		
20	HQAM	1	0	21.52	21.51	21.53		
20	HQAM	1	48	21.37	21.48	21.38	22	2
20	HQAM	1	96	21.48	21.53	21.43		
20	HQAM	50	0	20.50	20.54	20.50		
20	HQAM	50	24	20.45	20.54	20.47	21	3
20	HQAM	50	50	20.45	20.52	20.56		
20	HQAM	100	0	20.43	20.62	20.51		
20	SRSSAM	1	0	18.53	18.53	18.48		
20	SRSSAM	1	48	18.38	18.45	18.29	19	5
20	SRSSAM	1	96	18.37	18.50	18.29		
20	SRSSAM	50	0	18.50	18.46	18.56		
20	SRSSAM	50	24	18.43	18.57	18.42	19	5
20	SRSSAM	50	50	18.44	18.65	18.50		
20	SRSSAM	100	0	18.44	18.62	18.44		
Channel				42195	42990	43015		
Frequency (MHz)				3457.5	3670	3672.5		
15	QPSK	1	0	23.43	23.43	23.42	24	0
15	QPSK	1	47	23.25	23.28	23.21		
15	QPSK	1	74	23.29	23.26	23.27		
15	QPSK	36	0	22.39	22.62	22.48	23	1
15	QPSK	36	20	22.24	22.39	22.35		
15	QPSK	36	36	22.31	22.47	22.42		
15	QPSK	75	0	22.21	22.38	22.27		
15	HQAM	1	0	22.39	22.42	22.42		
15	HQAM	1	37	22.21	22.44	22.31	23	1
15	HQAM	1	74	22.29	22.33	22.32		
15	HQAM	36	0	21.41	21.47	21.40		
15	HQAM	36	36	21.29	21.41	21.35	22	2
15	HQAM	36	36	21.38	21.41	21.36		
15	HQAM	75	0	21.25	21.41	21.38		
15	HQAM	1	0	21.45	21.57	21.56		
15	HQAM	1	37	21.33	21.33	21.22	22	2
15	HQAM	1	74	21.41	21.43	21.27		
15	HQAM	36	3	20.38	20.57	20.50		
15	HQAM	36	20	20.39	20.41	20.42	21	3
15	HQAM	36	36	20.35	20.48	20.48		
15	HQAM	75	0	20.29	20.51	20.47		
15	SRSSAM	1	0	18.41	18.46	18.37	19	5
15	SRSSAM	1	37	18.22	18.35	18.20		
15	SRSSAM	1	74	18.34	18.48	18.25		
15	SRSSAM	36	0	18.40	18.53	18.41	19	5
15	SRSSAM	36	20	18.29	18.53	18.37		
15	SRSSAM	36	36	18.37	18.67	18.40		
15	SRSSAM	75	0	18.34	18.54	18.36		
Channel				42195	42990	43015		
Frequency (MHz)				3465	3670	3675		
10	QPSK	1	0	23.40	23.40	23.34	24	0
10	QPSK	1	25	23.18	23.39	23.22		
10	QPSK	1	49	23.34	23.41	23.21		
10	QPSK	36	0	22.39	22.45	22.36	23	1
10	QPSK	25	12	22.33	22.37	22.35		
10	QPSK	25	25	22.38	22.40	22.38		
10	QPSK	100	0	22.28	22.40	22.28		
10	HQAM	1	0	22.37	22.64	22.44		
10	HQAM	1	25	22.20	22.42	22.12	23	1
10	HQAM	1	49	22.34	22.34	22.29		
10	HQAM	25	0	21.43	21.51	21.44		
10	HQAM	25	12	21.20	21.42	21.26	22	2
10	HQAM	25	25	21.29	21.41	21.44		
10	HQAM	50	0	21.33	21.41	21.28		
10	HQAM	1	0	21.48	21.65	21.48		
10	HQAM	1	25	21.20	21.37	21.23	22	2
10	HQAM	25	0	20.45	20.49	20.55		
10	HQAM	25	12	20.31	20.40	20.42	21	3
10	HQAM	25	25	20.40	20.59	20.48		
10	HQAM	50	0	20.34	20.58	20.47		
10	SRSSAM	1	0	18.42	18.44	18.43		
10	SRSSAM	1	25	18.25	18.40	18.23	19	5
10	SRSSAM	1	49	18.33	18.45	18.23		
10	SRSSAM	25	0	18.45	18.57	18.51		
10	SRSSAM	25	12	18.31	18.43	18.27	19	5
10	SRSSAM	25	25	18.40	18.55	18.35		
10	SRSSAM	50	0	18.33	18.50	18.35		
Channel				42195	42990	43015		
Frequency (MHz)				3462.5	3670	3672.5		
5	QPSK	1	0	23.43	23.43	23.36	24	0
5	QPSK	1	15	23.19	23.35	23.17		
5	QPSK	1	24	23.27	23.43	23.22		
5	QPSK	12	0	22.38	22.41	22.44	23	1
5	QPSK	12	7	22.26	22.42	22.27		
5	QPSK	12	13	22.32	22.39	22.36		
5	QPSK	25	0	22.27	22.47	22.31		
5	HQAM	1	0	22.38	22.53	22.48		
5	HQAM	1	12	22.22	22.48	22.19	23	1
5	HQAM	1	24	22.26	22.39	22.31		
5	HQAM	12	0	21.47	21.55	21.40		
5	HQAM	12	7	21.24	21.40	21.25	22	2
5	HQAM	12	13	21.38	21.41	21.41		
5	HQAM	25	0	21.36	21.44	21.28		
5	HQAM	1	0	21.40	21.50	21.43		
5	HQAM	1	12	21.09	21.37	21.28	22	2
5	HQAM	1	24	21.38	21.37	21.33		
5	HQAM	12	0	20.40	20.38	20.54		
5	HQAM	12	7	20.40	20.45	20.43	21	3
5	HQAM	12	13	20.35	20.58	20.45		
5	HQAM	25	0	20.39	20.55	20.42		
5	SRSSAM	1	0	18.44	18.40	18.35		
5	SRSSAM	1	12	18.26	18.31	18.25	19	5
5	SRSSAM	1	24	18.23	18.44	18.18		
5	SRSSAM	12	0	18.38	18.67	18.53		
5	SRSSAM	12	7	18.33	18.43	18.29	19	5
5	SRSSAM	12	13	18.33	18.60	18.38		
5	SRSSAM	25	0	18.38	18.54	18.32		



Band 12 Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dB)	MPE (dB)			
Channel											
704 707.5 711											
10	QPSK	1	0	23.18	23.27	23.21	24	0			
10	QPSK	1	25	23.03	23.18	23.06					
10	QPSK	1	49	23.02	23.08	23.96	23	1			
10	QPSK	25	0	22.00	22.10	22.00					
10	QPSK	25	12	22.02	22.11	22.04	23	1			
10	QPSK	25	25	22.01	22.08	21.84					
10	QPSK	50	0	22.08	22.14	22.09	23	1			
10	16QAM	50	0	22.15	22.21	22.12					
10	16QAM	1	25	22.08	22.17	22.06	23	1			
10	16QAM	1	49	22.03	22.07	21.94					
10	16QAM	25	0	22.09	22.16	21.95	22	2			
10	16QAM	25	12	21.97	21.13	21.95					
10	16QAM	25	25	21.04	21.04	20.95	21	3			
10	16QAM	50	0	21.05	21.19	21.00					
10	84QAM	1	0	21.17	21.14	21.16	22	2			
10	84QAM	1	25	21.04	21.11	20.96					
10	84QAM	1	49	20.99	21.02	20.99	21	3			
10	84QAM	25	0	20.10	20.11	19.91					
10	84QAM	25	12	19.97	20.12	20.05	19	5			
10	84QAM	25	25	20.00	20.05	19.82					
10	84QAM	50	0	19.99	20.14	20.02	19	5			
10	256QAM	1	25	17.95	18.08	18.04					
10	256QAM	1	49	18.00	18.08	17.94	19	5			
10	256QAM	25	0	18.02	18.14	18.04					
10	256QAM	25	12	17.99	18.18	18.02	19	5			
10	256QAM	25	25	18.00	18.03	18.00					
10	256QAM	50	0	18.00	18.11	18.00					
Channel											
2305 2305.5 2316.5											
707.5 707.5 713.5											
5	QPSK	1	0	23.08	23.15	23.11	24	0			
5	QPSK	1	24	22.92	23.11	22.99					
5	QPSK	1	24	22.96	22.99	22.96	23	1			
5	QPSK	12	0	21.93	22.10	21.94					
5	QPSK	12	7	21.93	21.96	21.92	23	1			
5	QPSK	12	13	21.93	21.98	21.93					
5	QPSK	25	0	22.00	22.03	22.00	23	1			
5	16QAM	1	0	22.09	22.09	21.98					
5	16QAM	1	12	22.00	22.13	22.01	22	2			
5	16QAM	12	0	20.85	21.01	21.00					
5	16QAM	12	7	21.01	21.08	20.95	21	3			
5	16QAM	25	0	20.93	21.08	21.00					
5	84QAM	1	0	21.04	21.04	21.03	22	2			
5	84QAM	1	24	20.91	20.99	20.98					
5	84QAM	1	24	20.97	20.94	20.95	21	3			
5	84QAM	12	0	19.89	20.01	19.86					
5	84QAM	12	7	19.88	20.05	19.85	19	5			
5	84QAM	12	13	19.96	19.94	19.81					
5	84QAM	25	0	19.87	19.87	19.86	19	5			
5	256QAM	1	0	17.85	18.00	17.93					
5	256QAM	1	12	17.80	18.04	17.90	19	5			
5	256QAM	1	24	17.86	17.97	17.89					
5	256QAM	12	0	18.03	18.03	18.03	19	5			
5	256QAM	12	7	17.88	18.03	17.93					
5	256QAM	12	13	17.92	17.95	17.96	19	5			
5	256QAM	25	0	18.01	18.07	18.05					
Channel											
2305 2305.5 2316.5											
707.5 707.5 714.5											
3	QPSK	1	0	22.98	23.08	23.04	24	0			
3	QPSK	1	8	22.97	23.11	22.94					
3	QPSK	1	14	22.90	23.00	22.96	23	1			
3	QPSK	8	0	21.86	21.98	21.84					
3	QPSK	8	49	21.94	21.95	21.90	23	1			
3	QPSK	8	7	21.88	21.94	21.87					
3	QPSK	1	0	22.01	22.01	22.01	23	1			
3	16QAM	1	0	22.09	22.10	22.09					
3	16QAM	1	8	21.98	22.14	21.96	22	2			
3	16QAM	8	0	20.94	21.08	20.90					
3	16QAM	8	4	21.03	21.02	21.00	21	3			
3	16QAM	8	7	19.89	19.99	19.82					
3	16QAM	15	0	19.94	20.07	19.90	19	5			
3	256QAM	1	0	19.04	18.04	18.09					
3	256QAM	1	8	17.89	17.99	17.92	19	5			
3	256QAM	1	14	17.86	17.96	17.86					
3	256QAM	8	0	17.92	18.06	17.90	19	5			
3	256QAM	8	4	17.91	18.09	17.88					
3	256QAM	8	7	17.94	17.90	17.85	19	5			
3	256QAM	15	0	18.01	18.07	18.07					
Channel											
2307 2307.5 2317.5											
807.7 807.5 813.5											
1.4	QPSK	1	0	23.12	23.09	23.09	24	0			
1.4	QPSK	1	3	22.99	23.10	22.90					
1.4	QPSK	1	5	22.94	22.94	22.92	23	1			
1.4	QPSK	3	0	22.91	22.97	22.95					
1.4	QPSK	3	1	22.90	23.00	22.94	23	1			
1.4	QPSK	3	3	22.91	23.01	22.81					
1.4	QPSK	3	0	21.96	22.04	22.04	22	2			
1.4	16QAM	1	0	22.10	22.16	22.08					
1.4	16QAM	1	3	22.03	22.05	22.02	21	3			
1.4	16QAM	1	5	21.91	22.02	21.89					
1.4	16QAM	3	0	21.85	22.02	22.01	22	2			
1.4	16QAM	3	1	21.96	22.04	21.95					
1.4	16QAM	3	3	22.00	22.01	21.84	21	3			
1.4	84QAM	1	0	20.95	21.06	20.95					
1.4	84QAM	1	3	20.99	21.05	20.81	22	2			
1.4	84QAM	3	0	20.99	20.95	20.95					
1.4	84QAM	3	3	20.89	20.97	20.89	21	3			
1.4	84QAM	6	0	18.96	18.01	18.93					
1.4	256QAM	1	0	18.05	18.07	18.11	19	5			
1.4	256QAM	1	3	17.85	17.99	17.92					
1.4	256QAM	1	3	17.87	17.96	17.80	19	5			
1.4	256QAM	3	0	17.92	18.05	17.88					
1.4	256QAM	3	1	17.94	18.11	17.90	19	5			
1.4	256QAM	3	3	17.83	17.89	17.94					
1.4	256QAM	6	0	18.03	18.00	17.99					

Band 13 Ant0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dB)	MPE (dB)			
Channel											
782 785 788.5											
10	QPSK	1	0	23.09	23.09	23.09	24	0			
10	QPSK	1	25	23.07	23.11	23.07					
10	QPSK	1	49	23.01	23.09	23.01	23	1			
10	QPSK	25	0	22.13	22.13	22.13					
10	QPSK	25	12	22.07	22.07	22.07	23	1			
10	QPSK	25	25	22.06	22.06	22.06					
10	QPSK	50	0	22.17	22.17	22.17	23	1			
10	16QAM	50	0	22.06	22.06	22.06					
10	16QAM	1	25	21.99	21.99	21.99	22	2			
10	16QAM	1	49	22.02	22.02	21.96					
10	16QAM	25	0	21.95	21.95	21.95	22	2			
10	16QAM	25	12	20.99	20.99	20.99					
10	16QAM	25	25	20.97	20.97	20.97	21	3			
10	16QAM	50	0	21.13	21.13	21.13					
10	84QAM	1	0	21.09	21.09	21.09	22	2			
10	84QAM	1	25	20.96	21.09	20.96					
10	84QAM	1	49	20.99	21.09	20.99	21	3			
10	84QAM	25	0	20.03	20.03	20.03					
10	84QAM	25	12	19.98	19.98	19.98	19	5			
10	84QAM	25	25	20.09	20.09	20.09					
10	256QAM	1	25	18.11	18.04	18.04	19	5			
10	256QAM	1	49	18.05	18.05	18.05					
10	256QAM	25	0	18.06	18.12	18.12	19	5			
10	256QAM	25	12	18.12	18.12	18.12					
10	256QAM	25	25	18.03	18.03	18.03	19	5			
10	256QAM	50	0	18.16	18.16	18.16					
Channel											
2325 2325.5 2335.5											
785 785 788.5											
5	QPSK	1	0	22.92	23.08	22.91	24	0			
5	QPSK	1	24	22.94	23.08	22.92					
5	QPSK	1	24	22.83	22.89	22.88	23	1			
5	QPSK	12	0	21.99	22.08	21.92					
5	QPSK	12	7	21.94	22.02	22.01	23	1			
5	QPSK	12	13	21.93	22.02	21.88					
5	QPSK	25	0	21.94	22.09	22.00	23	1			
5	16QAM	1	0	21.87	22.01	21.81					
5	16QAM	1	12	21.83	21.88	21.75	22				



Band 25 Ant0												
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up Time (min)	MPE (dB)				
Channel 1860 1860 1860												
20	QPSK	1	0	22.14	22.20	22.08			23.3	0		
20	QPSK	1	49	22.00	22.09	22.06						
20	QPSK	1	99	22.00	22.09	22.06						
20	QPSK	50	0	21.89	22.10	21.72						
20	QPSK	50	24	21.94	21.92	21.98						
20	QPSK	50	50	21.87	21.90	21.76				23	0.3	
20	QPSK	100	0	21.81	22.03	21.68						
20	16QAM	100	0	21.72	21.88	21.79						
20	16QAM	1	49	21.82	21.92	21.83				23	0.3	
20	16QAM	1	99	21.93	21.92	21.83						
20	16QAM	50	0	20.81	21.10	20.96						
20	16QAM	50	24	20.72	20.85	20.78				22	1.3	
20	16QAM	50	50	20.69	20.74	20.61						
20	16QAM	100	0	20.60	20.98	20.75						
20	16QAM	1	0	20.68	20.98	20.72						
20	16QAM	1	49	20.72	20.84	20.78				22	1.3	
20	16QAM	1	99	20.79	20.94	20.85						
20	16QAM	50	24	19.86	20.12	19.76				21	2.3	
20	16QAM	50	50	19.83	19.99	19.88						
20	16QAM	100	0	19.72	19.87	19.73						
20	16QAM	1	49	17.94	17.90	17.89				19	4.3	
20	256QAM	1	99	17.75	17.72	17.82						
20	256QAM	50	0	17.86	17.89	17.89						
20	256QAM	50	24	17.94	17.98	17.75				19	4.3	
20	256QAM	50	50	17.84	17.83	17.72						
20	256QAM	100	0	17.80	17.83	17.80						
Channel 1897.5 1880 1927.5												
19	QPSK	1	0	22.01	22.11	21.88			23.3	0		
19	QPSK	1	39	22.06	22.09	21.83						
19	QPSK	1	74	21.86	22.04	21.89						
19	QPSK	36	0	21.83	21.93	21.89						
19	QPSK	36	25	21.86	21.73	21.71						
19	QPSK	36	39	21.69	21.78	21.63				23	0.3	
19	QPSK	75	0	21.62	21.90	21.56						
19	16QAM	1	0	21.55	21.81	21.71						
19	16QAM	1	39	21.82	21.81	21.72				23	0.3	
19	16QAM	1	74	21.66	21.96	21.81						
19	16QAM	36	0	20.67	21.09	20.88						
19	16QAM	36	25	20.71	20.83	20.72				22	1.3	
19	16QAM	36	39	20.69	20.78	20.58						
19	16QAM	75	0	20.60	20.98	20.71						
19	16QAM	1	0	20.78	20.78	20.58				22	1.3	
19	16QAM	1	39	20.86	20.96	20.85						
19	16QAM	1	74	20.71	20.75	20.77						
19	16QAM	36	0	19.67	19.86	19.58				21	2.3	
19	16QAM	36	25	19.70	19.86	19.61						
19	16QAM	36	39	19.77	19.93	19.67						
19	16QAM	75	0	19.64	19.87	19.72						
19	256QAM	1	49	17.86	17.87	17.85				19	4.3	
19	256QAM	1	99	17.74	17.91	17.85						
19	256QAM	1	74	17.85	17.87	17.77						
19	256QAM	50	0	17.86	17.89	17.93						
19	256QAM	50	24	17.85	17.84	17.75				19	4.3	
19	256QAM	50	50	17.84	17.76	17.51						
19	256QAM	75	0	17.80	17.80	17.80						
Channel 1899 1890 1910												
19	QPSK	1	0	21.67	22.14	22.14			23.3	0		
19	QPSK	1	25	21.94	22.08	21.96						
19	QPSK	1	49	21.85	22.07	22.05						
19	QPSK	12	0	21.83	21.83	21.83						
19	QPSK	25	12	21.91	21.90	21.72						
19	QPSK	25	25	21.67	21.78	21.72				23	0.3	
19	16QAM	1	0	21.62	21.84	21.67						
19	16QAM	1	25	21.62	21.88	21.82				23	0.3	
19	16QAM	1	49	21.66	21.96	21.83						
19	16QAM	25	0	20.80	21.05	20.80						
19	16QAM	25	12	20.67	20.86	20.72				22	1.3	
19	16QAM	25	25	20.60	20.70	20.68						
19	16QAM	50	0	20.62	20.87	20.59						
19	16QAM	1	0	20.69	20.82	20.52				22	1.3	
19	16QAM	1	25	20.68	20.86	20.78						
19	16QAM	1	49	20.64	20.72	20.65						
19	16QAM	25	0	19.71	20.03	19.73						
19	16QAM	25	12	19.76	19.92	19.68						
19	16QAM	25	25	19.66	19.86	19.67				21	2.3	
19	16QAM	50	0	19.51	19.80	19.68						
19	256QAM	1	25	17.80	17.80	17.85				19	4.3	
19	256QAM	1	49	17.85	17.84	17.85						
19	256QAM	1	74	17.85	17.87	17.77						
19	256QAM	50	0	17.86	17.89	17.93						
19	256QAM	50	24	17.85	17.84	17.75				19	4.3	
19	256QAM	50	50	17.84	17.76	17.51						
Channel 1886.5 1890 1910												
19	QPSK	1	0	21.67	22.14	22.14			23.3	0		
19	QPSK	1	24	21.94	22.08	21.96						
19	QPSK	12	0	21.73	21.73	21.73						
19	QPSK	12	7	21.86	21.87	21.84						
19	QPSK	12	13	21.71	21.79	21.64				23	0.3	
19	QPSK	25	12	21.70	21.88	21.70						
19	QPSK	25	12	21.70	21.88	21.70						
19	QPSK	25	25	21.67	21.78	21.72				23	0.3	
19	16QAM	1	0	21.50	21.74	21.64						
19	16QAM	1	12	21.74	21.84	21.84				23	0.3	
19	16QAM	1	24	21.63	21.81	21.72						
19	16QAM	12	0	20.71	20.88	20.84						
19	16QAM	12	7	20.62	20.84	20.63				22	1.3	
19	16QAM	12	13	20.67	20.81	20.67						
19	16QAM	25	0	20.74	20.96	20.68						
19	16QAM	1	0	20.62	20.88	20.67				22	1.3	
19	16QAM	1	12	20.98	20.98	20.69						
19	16QAM	1	24	20.78	20.74	20.70						
19	16QAM	12	0	19.73	19.93	19.63						
19	16QAM	12	13	19.84	20.12	19.76				21	2.3	
19	16QAM	25	0	19.62	19.81	19.69						
19	16QAM	25	12	17.78	17.89	17.89				19	4.3	
19	16QAM	25	12	17.81	17.89	17.73						
19	256QAM	1	24	17.86	17.83	17.76						
19	256QAM	12	0	17.89	17.96	17.71				19	4.3	
19	256QAM	12	7	17.87	17.87	17.65						
19	256QAM	12	13	17.85	17.94	17.61						
19	256QAM	25	0	17.82	17.81	17.68						
Channel 1886.5 1890 1910												
3	QPSK	1	0	22.19	22.19	22.09			23.3	0		
3	QPSK	1	8	22.11	22.21	21.97						
3	QPSK	1	14	21.92	22.06	21.89						
3	QPSK	8	0	21.73	21.83	21.73						
3	QPSK	8	4	21.80	21.86	21.83						
3	QPSK	8	7	21.83	21.77	21.73				23	0.3	
3	QPSK	15	0	21.71	21.88	21.69						
3	16QAM	1	0	21.68	21.91	21.61						
3	16QAM	1	8	21.63	21.72	21.64				23	0.3	
3	16QAM	1	14	21.94	21.94	21.72						
3	16QAM	8	0	20.80	21.00	20.85						
3	16QAM	8	4	20.68	20.86	20.76				22	1.3	
3	16QAM	8	12	20.64	20.71	20.61						
3	16QAM	15	0	20.80	21.01	20.68						
3	16QAM	1	0	20.69	20.78	20.64				22	1.3	
3	16QAM	1	8	20.56	20.85	20.74						
3	16QAM	1	14	20.79	20.71	20.67						
3	16QAM	8	0	19.67	20.02	19.61				21	2.3	
3	16QAM	8	15	19.71	19.92	19.63						
3	16QAM	8	7	19.65	19.83	19.67						
3	16QAM	15	0	19.67	19.92	19.67						
3	256QAM	1	0	17.76</								



Band 38 Ant0						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel						
				37950	38050	38150
Frequency (MHz)						
20	QPSK	1	0	22.91	22.93	22.93
20	QPSK	1	49	22.81	22.87	22.87
20	QPSK	1	99	22.84	22.90	22.90
20	QPSK	50	0	22.08	22.50	22.50
20	QPSK	50	24	22.11	22.08	22.24
20	QPSK	50	49	22.02	22.52	22.52
20	QPSK	100	0	22.14	22.22	21.90
20	HDQAM	1	0	22.95	22.29	22.13
20	HDQAM	1	49	22.12	22.95	22.12
20	HDQAM	1	99	21.98	22.08	22.21
20	HDQAM	50	0	21.28	21.27	21.28
20	HDQAM	50	24	21.06	21.50	21.06
20	HDQAM	50	49	21.13	21.24	21.01
20	HDQAM	100	0	21.11	21.00	21.00
20	HDQAM	100	1	21.27	21.24	21.04
20	HDQAM	100	49	21.23	21.07	21.12
20	HDQAM	100	99	21.07	21.08	21.06
20	HDQAM	50	0	20.29	20.14	20.15
20	HDQAM	50	24	20.12	20.13	20.15
20	HDQAM	50	49	20.14	20.05	20.21
20	HDQAM	100	0	19.93	20.03	20.04
20	HDQAM	100	1	18.07	18.22	18.25
20	HDQAM	100	49	18.07	18.10	18.11
20	HDQAM	100	99	18.04	18.14	18.10
20	256QAM	50	0	18.21	18.27	18.10
20	256QAM	50	24	18.17	18.24	18.10
20	256QAM	50	49	18.12	18.05	18.20
20	256QAM	100	0	18.05	18.08	18.08
Channel						
				37950	38050	38175
Frequency (MHz)						
15	QPSK	1	0	22.91	22.73	22.73
15	QPSK	1	47	22.74	22.70	22.84
15	QPSK	1	74	22.81	22.82	22.84
15	QPSK	36	0	22.02	22.20	22.02
15	QPSK	36	20	21.92	22.20	22.11
15	QPSK	36	36	22.22	22.22	22.22
15	QPSK	75	0	21.92	22.10	21.81
15	HDQAM	1	0	21.94	22.18	22.08
15	HDQAM	1	47	21.11	22.10	21.95
15	HDQAM	1	74	21.87	22.01	22.01
15	HDQAM	36	0	21.25	21.15	21.00
15	HDQAM	36	20	21.00	20.88	21.08
15	HDQAM	36	36	21.08	21.28	20.85
15	HDQAM	75	0	20.86	21.07	20.99
15	HDQAM	75	0	21.07	21.10	21.05
15	HDQAM	1	47	21.97	21.00	20.95
15	HDQAM	1	74	20.96	21.06	20.98
15	HDQAM	36	0	20.14	20.02	19.98
15	HDQAM	36	20	19.93	19.99	20.11
15	HDQAM	36	36	19.95	19.94	19.95
15	HDQAM	75	0	19.77	20.00	19.95
15	256QAM	1	0	18.07	18.10	18.07
15	256QAM	1	47	18.08	18.10	18.10
15	256QAM	1	74	18.02	18.02	17.99
15	256QAM	36	0	18.21	18.27	17.98
15	256QAM	36	20	18.18	18.20	17.99
15	256QAM	36	36	18.00	17.98	18.20
15	256QAM	75	0	18.01	17.99	17.98
Channel						
				37975	38050	38175
Frequency (MHz)						
10	QPSK	1	0	22.82	22.80	22.81
10	QPSK	1	25	22.77	22.71	22.77
10	QPSK	1	49	22.76	22.84	22.78
10	QPSK	12	0	21.82	22.18	22.18
10	QPSK	25	12	22.12	21.95	22.25
10	QPSK	25	25	21.94	22.04	22.02
10	QPSK	50	0	22.12	22.22	21.96
10	HDQAM	1	0	22.03	22.14	22.08
10	HDQAM	1	25	21.80	22.05	22.01
10	HDQAM	1	49	21.81	22.00	22.14
10	HDQAM	25	0	21.10	21.20	21.00
10	HDQAM	25	12	20.89	20.97	21.10
10	HDQAM	25	25	21.06	21.10	20.96
10	HDQAM	50	0	20.99	21.00	21.13
10	HDQAM	50	12	20.88	20.89	20.88
10	HDQAM	50	25	21.08	21.06	20.96
10	HDQAM	1	49	20.93	20.91	20.84
10	HDQAM	25	0	20.28	20.00	20.08
10	HDQAM	25	12	20.00	20.08	20.00
10	HDQAM	25	25	20.14	20.07	20.15
10	HDQAM	50	0	19.88	19.95	19.87
10	256QAM	1	0	17.90	18.17	18.25
10	256QAM	1	25	18.09	18.15	18.10
10	256QAM	1	49	17.91	18.05	17.95
10	256QAM	25	0	18.21	18.20	18.07
10	256QAM	25	12	17.99	18.17	18.09
10	256QAM	25	25	18.02	17.92	18.17
10	256QAM	50	0	18.07	17.90	18.01
Channel						
				37975	38050	38175
Frequency (MHz)						
5	QPSK	1	0	22.83	22.83	22.82
5	QPSK	1	24	22.78	22.67	22.80
5	QPSK	1	24	22.73	22.78	22.87
5	QPSK	12	0	22.00	22.21	22.00
5	QPSK	12	7	21.89	21.90	22.19
5	QPSK	12	13	21.94	22.10	22.12
5	QPSK	25	0	22.20	22.14	21.67
5	HDQAM	1	0	21.87	22.12	21.96
5	HDQAM	1	12	21.81	21.94	22.08
5	HDQAM	1	24	21.08	22.10	22.02
5	HDQAM	12	0	21.08	21.00	21.04
5	HDQAM	12	7	20.89	20.92	21.27
5	HDQAM	12	13	20.95	21.21	20.90
5	HDQAM	25	0	21.11	21.00	21.17
5	HDQAM	25	0	21.09	21.25	20.99
5	HDQAM	25	12	21.09	20.96	21.02
5	HDQAM	25	1	20.89	20.99	20.83
5	HDQAM	12	0	20.11	19.99	20.04
5	HDQAM	12	7	20.14	19.95	20.07
5	HDQAM	12	13	19.99	20.02	20.21
5	HDQAM	25	0	19.92	19.88	20.03
5	256QAM	1	0	17.91	18.05	18.04
5	256QAM	1	12	17.99	18.10	18.11
5	256QAM	1	24	18.04	18.01	17.93
5	256QAM	12	0	18.11	18.08	18.05
5	256QAM	12	7	18.04	18.13	18.04
5	256QAM	12	13	18.03	17.95	18.18
5	256QAM	25	0	18.00	17.97	18.00

Band 38 HPUE Ant0						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel						
				37980	38050	38150
Frequency (MHz)						
20	QPSK	1	0	24.84	24.73	24.80
20	QPSK	1	49	24.80	24.42	24.43
20	QPSK	1	99	24.62	24.44	24.63
20	QPSK	50	0	24.50	24.63	24.42
20	QPSK	50	24	24.83	24.62	24.66
20	QPSK	50	49	24.60	24.44	24.66
20	QPSK	100	0	24.50	24.55	24.53
20	16QAM	1	0	24.43	24.43	24.41
20	16QAM	1	49	24.46	24.54	24.58
20	16QAM	1	99	24.47	24.57	24.52
20	16QAM	50	0	23.75	23.70	23.69
20	16QAM	50	24	23.79	23.56	23.48
20	16QAM	50	49	23.75	23.55	23.50
20	16QAM	100	0	23.80	23.68	23.50
20	16QAM	100	1	23.88	23.49	23.54
20	16QAM	100	49	23.76	23.44	23.67
20	16QAM	50	0	22.77	22.75	22.59
20	16QAM	50	24	22.75	22.69	22.78
20	16QAM	50	49	22.63	22.55	22.48
20	16QAM	100	0	22.82	22.61	22.67
20	256QAM	1	0	20.76	20.60	20.80
20	256QAM	1	49	20.82	20.87	20.45
20	256QAM	1	99	20.69	20.54	20.44
20	256QAM	50	0	20.85	20.65	20.72
20	256QAM	50	24	20.70	20.73	20.71
20	256QAM	50	49	20.85	20.42	20.49
20	256QAM	100	0	20.74	20.41	20.41
Channel						
				37980	38050	38175
Frequency (MHz)						
15	QPSK	1	0	24.43	24.30	24.43
15	QPSK	1	37	24.39	24.30	24.43
15	QPSK	1	74	24.32	24.36	24.51
15	QPSK	36	0	24.39	24.48	24.53
15	QPSK	36	20	24.55	24.50	24.48
15	QPSK	36	36	24.59	24.57	24.59
15	QPSK	75	0	24.65	24.30	24.53
15	16QAM	1	0	24.25	24.33	24.29
15	16QAM	1	37	24.36	24.42	24.51
15	16QAM	1	74	24.47	24.43	24.51
15	16QAM	36	0	23.95	23.67	23.66
15	16QAM	36	20	23.73	23.56	23.27
15	16QAM	36	36	23.54	23.30	23.43
15	16QAM	75	0	23.70	23.64	23.62
15	16QAM	75	0	23.73	23.65	23.68
15	16QAM	1	37	23.67	23.51	23.46
15	16QAM	1	74	23.61	23.56	23.50
15	16QAM	36	0	22.71	22.71	22.59



Band 41 Ant0													
RBW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Mid Ch / Freq	Power High Mid Ch / Freq	Power Low High Ch / Freq	Power High High Ch / Freq	Turn-up limit (dBm)	MFR (dB)		
Channel													
	Frequency (MHz)			39790	40188	40600	41066	41600	41990				
20	QPSK	1	0	22.73	22.86	22.83	22.73	22.81	22.81	23.8	0		
	QPSK	1	49	22.66	22.69	22.83	22.73	22.81	22.81				
	QPSK	1	89	22.70	22.91	22.83	22.86	22.81	22.81				
	QPSK	50	0	21.59	21.95	22.13	22.02	22.05	22.05				
	QPSK	50	24	21.82	21.90	22.05	22.08	21.85	21.85				
	QPSK	100	0	21.62	21.92	22.06	22.02	22.06	22.06				
	QPSK	100	0	22.02	21.95	22.19	22.12	22.12	22.12				
	15QAM	1	0	21.92	21.89	22.11	22.09	22.06	22.06				
	15QAM	1	49	21.96	21.93	22.22	22.06	22.10	22.10				
	15QAM	1	99	21.85	21.90	22.01	21.75	21.90	21.90				
20	15QAM	50	24	20.93	21.07	21.17	21.03	20.94	20.94				
	15QAM	100	0	20.74	20.81	21.16	20.96	20.84	20.84				
	15QAM	50	50	20.97	21.12	21.21	20.99	20.94	20.94				
	15QAM	100	0	20.99	21.09	21.20	21.15	21.15	21.15				
	15QAM	100	0	20.59	21.02	21.12	21.17	20.93	20.93				
	15QAM	1	49	20.87	20.90	21.02	20.92	20.84	20.84				
	15QAM	1	99	20.85	21.06	21.06	20.97	20.78	20.78				
	15QAM	50	24	19.83	20.03	20.27	20.14	20.07	20.07				
	15QAM	50	50	19.93	19.90	20.09	19.95	19.77	19.77				
	15QAM	100	0	19.89	20.00	20.36	19.88	19.84	19.84				
20	25QAM	1	0	17.87	18.03	18.19	18.05	18.04	18.04				
	25QAM	1	49	17.69	17.81	18.12	17.89	17.87	17.87				
	25QAM	1	99	17.80	18.13	18.12	17.67	17.88	17.88				
	25QAM	50	24	17.23	17.28	18.28	18.06	17.96	17.96				
	25QAM	50	50	17.53	17.83	18.06	17.85	17.80	17.80				
	25QAM	100	0	17.73	18.04	18.14	17.75	17.85	17.85				
	25QAM	100	0	19.73	19.73	20.00	20.00	20.00	20.00				
	Channel												
		Frequency (MHz)			39795	40173	40600	41055	41615	41995			
	15	QPSK	1	0	22.01	22.47	22.93	23.73	24.92	24.92	23.80	0	
QPSK		1	37	22.62	22.84	22.78	22.84	22.88	22.88				
QPSK		1	74	22.06	22.66	22.80	22.84	22.87	22.87				
QPSK		36	0	22.01	21.78	22.12	21.83	21.89	21.89				
QPSK		36	20	21.75	21.79	22.05	21.96	21.81	21.81				
QPSK		36	39	21.99	21.93	22.14	21.97	21.86	21.86				
QPSK		75	0	21.96	21.88	22.01	22.05	22.08	22.08				
15QAM		1	0	21.90	21.94	21.99	22.00	22.02	22.02				
15QAM		1	37	21.88	21.85	21.86	21.88	21.88	21.88				
15QAM		1	74	21.81	21.73	21.95	21.82	21.88	21.88				
15	15QAM	36	0	20.62	20.63	20.96	20.88	20.88	20.88				
	15QAM	36	20	20.63	20.66	20.80	20.77	20.72	20.72				
	15QAM	36	39	20.96	20.96	21.01	20.95	20.94	20.94				
	15QAM	75	0	20.65	20.65	21.01	20.94	20.88	20.88				
	15QAM	1	49	20.68	20.66	21.01	20.99	20.97	20.97				
	15QAM	1	99	20.89	20.89	21.00	20.82	20.86	20.86				
	15QAM	1	74	20.96	20.92	21.00	20.92	20.74	20.74				
	15QAM	36	0	19.71	19.86	19.92	19.93	19.93	19.93				
	15QAM	36	20	19.77	19.93	20.14	20.15	19.94	19.94				
	15QAM	36	39	19.85	19.84	20.08	19.98	19.97	19.97				
15	25QAM	1	0	19.73	19.81	20.07	19.71	19.73	19.73				
	25QAM	1	0	17.85	17.84	18.07	17.81	18.01	18.01				
	25QAM	1	49	19.93	19.98	20.06	19.78	19.85	19.85				
	25QAM	1	99	19.75	19.94	19.91	19.76	19.89	19.89				
	25QAM	1	74	17.85	18.04	18.04	17.76	17.89	17.89				
	25QAM	36	0	17.99	18.00	18.08	17.92	17.77	17.77				
	25QAM	36	20	18.05	17.77	18.14	17.81	17.85	17.85				
	25QAM	36	39	17.92	17.85	18.04	17.83	17.87	17.87				
	25QAM	75	0	17.74	17.69	18.11	17.86	17.72	17.72				
	25QAM	75	0	19.74	19.74	20.00	20.00	20.00	20.00				
15	QPSK	1	0	22.69	23.41	23.87	24.78	24.92	24.92	23.80	0		
	QPSK	1	35	22.44	22.57	22.76	22.84	22.82	22.82				
	QPSK	1	49	22.50	22.81	22.71	22.51	22.51	22.51				
	QPSK	1	89	22.64	21.88	22.12	22.12	22.12	22.12				
	QPSK	50	0	21.63	21.78	21.83	22.05	21.82	21.82				
	QPSK	50	25	21.66	21.81	21.92	21.84	21.80	21.80				
	QPSK	100	0	21.67	21.74	22.12	22.06	22.06	22.06				
	15QAM	1	0	21.89	21.94	22.10	21.87	21.82	21.82				
	15QAM	1	25	21.68	21.77	21.92	21.84	21.78	21.78				
	15QAM	1	49	21.65	21.81	22.06	21.96	21.89	21.89				
15	15QAM	25	0	20.80	20.94	21.02	20.96	20.80	20.80				
	15QAM	25	16	20.76	20.73	21.05	20.97	20.76	20.76				
	15QAM	50	0	20.79	20.82	21.12	21.08	20.78	20.78				
	15QAM	50	16	20.79	21.00	21.00	20.97	20.83	20.83				
	15QAM	100	0	20.76	20.99	21.01	20.93	20.68	20.68				
	15QAM	1	49	20.78	20.99	21.08	20.89	20.87	20.87				
	15QAM	1	99	19.87	19.96	19.81	19.87	19.87	19.87				
	15QAM	25	12	19.75	20.05	20.13	20.12	20.02	20.02				
	15QAM	25	25	19.84	19.76	19.84	19.74	19.74	19.74				
	15QAM	50	0	19.84	19.87	20.02	19.84	19.82	19.82				
15	25QAM	1	0	17.77	17.81	18.16	17.85	17.87	17.87				
	25QAM	1	25	17.75	17.89	17.99	17.88	17.82	17.82				
	25QAM	1	49	17.71	18.14	18.00	17.81	17.89	17.89				
	25QAM	25	0	18.03	17.83	18.11	17.99	17.70	17.70				
	25QAM	25	16	18.04	18.00	18.06	18.04	17.81	17.81				
	25QAM	25	25	17.77	17.99	18.10	18.07	17.77	17.77				
	25QAM	50	0	17.78	17.78	18.03	17.87	17.74	17.74				
	25QAM	50	0	19.78	19.78	20.00	20.00	20.00	20.00				
	Channel												
		Frequency (MHz)			39795.5	40445.5	40600	41000	41600	41995			
5	QPSK	1	0	22.67	22.72	22.95	22.89	22.70	22.70	23.80	0		
	QPSK	1	15	22.60	22.62	22.83	22.56	22.50	22.50				
	QPSK	1	24	22.49	22.78	22.82	22.55	22.59	22.59				
	QPSK	12	0	21.86	21.73	22.10	21.86	21.89	21.89				
	QPSK	12	7	21.76	21.75	21.91	21.99	21.77	21.77				
	QPSK	12	13	21.78	21.87	21.97	21.62	21.68	21.68				
	QPSK	25	0	22.02	21.79	21.86	21.69	22.01	22.01				
	15QAM	1	0	21.77	21.68	22.10	22.09	22.05	22.05				
	15QAM	1	12	21.73	21.68	22.11	21.86	21.78	21.78				
	15QAM	1	24	21.82	21.77	21.84	21.76	21.80	21.80				
5	15QAM	12	7	20.67	20.67	21.12	20.81	20.66	20.66				
	15QAM	12	13	20.76	21.00	21.17	20.92	20.84	20.84				
	15QAM	25	0	20.75	21.01	21.12	21.01	21.02	21.02				
	15QAM	1	10	20.96	20.88	20.99	21.11	20.94	20.94				
	15QAM	1	12	20.67	20.80	21.01	20.83	20.72	20.72				
	15QAM	1	24	20.86	20.96	20.88	20.76	20.78	20.78				
	15QAM	12	0	19.81	20.09	20.89	20.86	20.78	20.78				
	15QAM	12	0	19.82	19.94	20.17	20.10	20.02	20.02				
	15QAM	12	13	19.89	19.75	19.89	19.70	19.79	19.79				
	15QAM	25	0	19.93	19.99	20.05	19.81	19.81	19.81				
5	25QAM	1	0	17.79	17.94	18.04	17.90	17.84	17.84				
	25QAM	1	12	17.73	17.73	18.04	17.87	17.87	17.87				
	25QAM	1	24	17.70	18.03	18.01	17.85	17.89	17.89				
	25QAM	12	0	18.03	18.00	18.10	17.82	17.71	17.71				
	25QAM	12	7	17.75	17.87	18.13	17.98	17.94	17.94				
	25QAM	12	13	17.77	17.92	17.84	17.71	17.75	17.75				
	25QAM	25	0	17.75	17.84	18.05	17.75	17.70	17.70				
	25QAM	25	0	19.75	19.75	20.00	20.00	20.00	20.00				
	Channel												
		Frequency (MHz)			39795.5	40445.5	40600	41000	41600	41995			
5	QPSK	1	0	22.67	22.72	22.95	22.89	22.70	22.70	23.80	0		
	QPSK	1	15	22.60	22.62	22.83	22.56	22.50	22.50				
	QPSK	1	24	22.49									



Band 5 Ant1												
BM [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Hgt Ch / Freq.	Power Hgt Ch / Freq.	Turn-up limit (dBm)	APR3 (dB)				
Channel												
Frequency (MHz)				829	836.5	844						
10	QPSK	1	0	23.33	23.38	23.35						
10	QPSK	1	25	23.18	23.26	23.23			24	0		
10	QPSK	1	49	23.07	23.21	23.18						
10	QPSK	25	0	22.12	22.28	22.18						
10	QPSK	25	12	22.19	22.28	22.17			23	1		
10	QPSK	25	25	22.18	22.22	22.14						
10	QPSK	50	0	22.11	22.19	22.11						
10	16QAM	1	0	22.08	22.12	21.99						
10	16QAM	1	25	21.98	22.08	22.00			23	1		
10	16QAM	1	49	21.88	22.00	21.84						
10	16QAM	25	0	21.10	21.22	21.10						
10	16QAM	25	12	21.19	21.27	21.19			22	2		
10	16QAM	25	25	21.10	21.22	21.12						
10	16QAM	50	0	21.13	21.24	21.21						
10	64QAM	1	0	21.12	21.17	21.07						
10	64QAM	1	25	20.95	21.09	20.93			22	2		
10	64QAM	1	49	21.18	21.23	21.13						
10	64QAM	25	0	20.15	20.20	20.07						
10	64QAM	25	12	20.10	20.19	20.07			21	3		
10	64QAM	25	25	20.12	20.18	20.05						
10	64QAM	50	0	20.11	20.15	20.02						
10	256QAM	1	0	18.06	18.18	18.06						
10	256QAM	1	25	17.97	18.08	18.01			19	5		
10	256QAM	1	49	18.08	18.13	18.03						
10	256QAM	25	0	18.05	18.05	18.05						
10	256QAM	25	12	17.99	18.07	17.94			19	5		
10	256QAM	25	25	18.07	18.12	18.06						
10	256QAM	50	0	18.00	18.14	18.03						
Channel												
Frequency (MHz)				20425	20523	20625	Turn-up limit (dBm)	APR3 (dB)				
5	QPSK	1	0	23.28	23.31	23.28						
5	QPSK	1	12	23.05	23.17	23.08			24	0		
5	QPSK	1	24	22.95	23.12	23.02						
5	QPSK	12	0	22.01	22.18	22.10						
5	QPSK	12	7	22.08	22.12	22.08			23	1		
5	QPSK	12	13	22.08	22.10	22.07						
5	QPSK	25	0	22.00	22.19	22.05						
5	16QAM	1	0	22.01	22.08	21.88						
5	16QAM	1	12	21.84	21.97	21.85			23	1		
5	16QAM	1	24	21.80	21.99	21.80						
5	16QAM	12	0	21.05	21.09	21.05						
5	16QAM	12	7	21.12	21.20	21.08			22	2		
5	16QAM	12	13	21.05	21.13	21.05						
5	16QAM	25	0	21.08	21.18	21.14						
5	64QAM	1	0	21.05	21.12	20.99						
5	64QAM	1	12	20.88	20.98	20.85			22	2		
5	64QAM	1	24	21.10	21.12	21.02						
5	64QAM	12	0	20.07	20.17	20.00						
5	64QAM	12	7	20.08	20.09	19.95			21	3		
5	64QAM	12	13	20.01	20.05	19.95						
5	64QAM	25	0	20.07	20.03	19.92						
5	256QAM	1	0	18.05	18.05	17.95						
5	256QAM	1	12	17.88	18.02	17.84			19	5		
5	256QAM	1	24	18.03	18.08	17.93						
5	256QAM	12	0	18.05	18.05	17.97						
5	256QAM	12	7	17.96	17.92	17.84			19	5		
5	256QAM	12	13	17.97	17.88	18.03						
5	256QAM	25	0	17.97	18.05	18.05						
Channel												
Frequency (MHz)				20415	20523	20635	Turn-up limit (dBm)	APR3 (dB)				
3	QPSK	1	0	23.17	23.34	23.23						
3	QPSK	1	8	23.03	23.13	23.12			24	0		
3	QPSK	1	14	22.94	23.11	23.06						
3	QPSK	1	20	22.88	23.07	22.89						
3	QPSK	8	4	22.09	22.20	22.11						
3	QPSK	8	7	22.07	22.15	22.09			23	1		
3	16QAM	1	0	22.08	22.09	22.00						
3	16QAM	1	8	21.97	22.07	21.93			23	1		
3	16QAM	1	14	21.77	21.94	21.82						
3	16QAM	8	0	21.01	21.18	21.07						
3	16QAM	8	4	21.05	21.12	21.13			22	2		
3	16QAM	8	7	21.06	21.11	21.08						
3	64QAM	1	0	21.00	21.18	21.12						
3	64QAM	1	8	20.98	21.08	21.00			22	2		
3	64QAM	1	14	20.88	20.93	20.79						
3	64QAM	8	0	20.03	20.17	19.99						
3	64QAM	8	4	20.03	20.06	20.02			21	3		
3	64QAM	8	7	20.00	20.10	20.00						
3	256QAM	1	0	18.01	18.11	17.81						
3	256QAM	1	8	17.80	17.99	17.83			19	5		
3	256QAM	1	14	17.92	18.04	17.86						
3	256QAM	8	0	17.97	18.11	17.83						
3	256QAM	8	4	17.88	17.88	17.81			19	5		
3	256QAM	8	7	17.95	18.01	17.91						
3	256QAM	16	0	17.91	18.01	17.85						
Channel												
Frequency (MHz)				20407	20523	20643	Turn-up limit (dBm)	APR3 (dB)				
1.4	QPSK	1	0	23.07	23.31	23.21						
1.4	QPSK	1	3	23.03	23.22	23.17			24	0		
1.4	QPSK	1	5	22.95	23.11	23.11						
1.4	QPSK	3	0	22.08	23.18	23.07						
1.4	QPSK	3	1	23.10	23.15	23.03						
1.4	QPSK	3	3	23.07	23.12	23.04			23	1		
1.4	QPSK	6	0	22.04	22.07	22.00						
1.4	16QAM	1	0	21.92	22.07	21.84						
1.4	16QAM	1	3	21.89	21.92	21.87			23	1		
1.4	16QAM	1	5	21.81	21.91	21.88						
1.4	16QAM	3	0	22.02	22.13	22.05						
1.4	16QAM	3	1	22.07	22.13	22.06						
1.4	16QAM	3	3	21.98	22.07	22.01			22	2		
1.4	16QAM	6	0	21.00	21.13	21.08						
1.4	64QAM	1	0	21.03	21.03	21.01						
1.4	64QAM	1	3	20.98	20.98	20.89			22	2		
1.4	64QAM	1	5	21.04	21.09	21.02						
1.4	64QAM	3	0	21.09	21.07	20.86						
1.4	64QAM	3	1	20.93	21.06	21.00			21	3		
1.4	64QAM	3	3	21.01	21.12	20.91						
1.4	64QAM	6	0	20.01	20.02	19.89						
1.4	256QAM	1	0	18.05	18.04	17.88						
1.4	256QAM	1	3	17.88	17.95	17.80			19	5		
1.4	256QAM	1	5	17.97	17.99	17.85						
1.4	256QAM	3	0	17.98	18.06	17.86						
1.4	256QAM	3	1	17.89	17.92	17.85						
1.4	256QAM	3	3	17.99	18.08	18.03			19	5		
1.4	256QAM	6	0	17.94	18.02	18.03						

Band 7 Ant1												
BM [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Hgt Ch / Freq.	Power Hgt Ch / Freq.	Turn-up limit (dBm)	APR3 (dB)				
Channel												
Frequency (MHz)				20965	21000	20968						
20	QPSK	1	0	18.32	18.53	18.38						
20	QPSK	1	49	18.27	18.27	18.35						



Band 42 FCCAnt2

Bit (Hz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42990	42990		
Frequency (MHz)				3640	3660	3660		
20	QPSK	1	0	23.49	23.53	23.48	24	0
20	QPSK	1	48	23.32	23.43	23.29		
20	QPSK	1	96	22.98	23.48	23.32		
20	QPSK	50	0	22.45	22.55	22.49	23	1
20	QPSK	50	24	22.38	22.51	22.38		
20	QPSK	50	48	22.38	22.54	22.40		
20	HQAM	1	0	22.45	22.57	22.55	23	1
20	HQAM	1	48	22.39	22.49	22.27		
20	HQAM	1	96	22.41	22.48	22.38		
20	HQAM	50	0	21.51	21.56	21.39	22	2
20	HQAM	50	24	21.53	21.58	21.39		
20	HQAM	50	48	21.44	21.54	21.52		
20	HQAM	100	0	21.28	21.5	21.48	22	2
20	HQAM	100	24	21.52	21.51	21.25		
20	HQAM	100	48	21.37	21.48	21.38		
20	HQAM	1	96	21.48	21.53	21.43	21	3
20	HQAM	50	0	20.50	20.54	20.80		
20	HQAM	50	24	20.45	20.54	20.47		
20	HQAM	50	48	20.45	20.52	20.56	19	5
20	HQAM	100	0	20.43	20.62	20.51		
20	HQAM	100	24	18.53	18.53	18.48		
20	SRSSAM	1	48	18.38	18.45	18.29	19	5
20	SRSSAM	1	96	18.37	18.50	18.29		
20	SRSSAM	50	0	18.50	18.46	18.56		
20	SRSSAM	50	24	18.43	18.57	18.42	19	5
20	SRSSAM	50	48	18.44	18.65	18.50		
20	SRSSAM	100	0	18.44	18.62	18.44		
Channel				43165	43340	43515		
Frequency (MHz)				3572.5	3575	3572.5		
15	QPSK	1	0	23.43	23.43	23.32	24	0
15	QPSK	1	47	23.25	23.28	23.21		
15	QPSK	1	74	23.29	23.26	23.27		
15	QPSK	36	0	22.39	22.62	22.48	23	1
15	QPSK	36	20	22.24	22.39	22.35		
15	QPSK	36	39	22.31	22.47	22.42		
15	QPSK	75	0	22.21	22.38	22.27	23	1
15	HQAM	1	0	22.39	22.42	22.42		
15	HQAM	1	37	22.31	22.44	22.31		
15	HQAM	1	74	22.29	22.33	22.32	22	2
15	HQAM	36	0	21.41	21.47	21.40		
15	HQAM	36	39	21.29	21.41	21.25		
15	HQAM	36	59	21.38	21.41	21.39	22	2
15	HQAM	75	0	21.25	21.41	21.38		
15	HQAM	1	0	21.45	21.57	21.56		
15	HQAM	1	37	21.33	21.33	21.22	21	3
15	HQAM	1	74	21.41	21.43	21.27		
15	HQAM	36	3	20.38	20.57	20.55		
15	HQAM	36	20	20.39	20.41	20.42	19	5
15	HQAM	36	39	20.35	20.48	20.47		
15	HQAM	75	0	20.29	20.51	20.47		
15	SRSSAM	1	0	18.41	18.46	18.37	19	5
15	SRSSAM	1	37	18.22	18.35	18.20		
15	SRSSAM	1	74	18.34	18.48	18.25		
15	SRSSAM	36	0	18.40	18.53	18.41	19	5
15	SRSSAM	36	20	18.29	18.57	18.37		
15	SRSSAM	36	39	18.37	18.67	18.40		
15	SRSSAM	75	0	18.34	18.54	18.36		
Channel				43340	43340	43340		
Frequency (MHz)				3565	3575	3565		
10	QPSK	1	0	23.40	23.40	23.34	24	0
10	QPSK	1	25	23.18	23.39	23.22		
10	QPSK	1	49	23.34	23.41	23.21		
10	QPSK	36	0	22.39	22.45	22.35	23	1
10	QPSK	25	12	22.33	22.37	22.35		
10	QPSK	25	25	22.38	22.40	22.38		
10	QPSK	50	0	22.28	22.40	22.28	23	1
10	HQAM	1	0	22.37	22.64	22.44		
10	HQAM	1	25	22.20	22.42	22.12		
10	HQAM	1	49	22.34	22.34	22.29	22	2
10	HQAM	25	0	21.43	21.51	21.44		
10	HQAM	25	12	21.20	21.42	21.26		
10	HQAM	25	25	21.20	21.44	21.44	22	2
10	HQAM	50	0	21.33	21.41	21.28		
10	HQAM	1	0	21.48	21.65	21.48		
10	HQAM	1	25	21.20	21.37	21.23	22	2
10	HQAM	1	49	21.40	21.35	21.32		
10	HQAM	25	0	20.45	20.49	20.55		
10	HQAM	25	12	20.31	20.40	20.42	21	3
10	HQAM	25	25	20.40	20.59	20.48		
10	HQAM	50	0	20.34	20.58	20.47		
10	SRSSAM	1	0	18.42	18.44	18.43	19	5
10	SRSSAM	1	25	18.25	18.40	18.23		
10	SRSSAM	1	49	18.33	18.45	18.23		
10	SRSSAM	25	0	18.45	18.57	18.51	19	5
10	SRSSAM	25	12	18.31	18.43	18.27		
10	SRSSAM	25	25	18.40	18.55	18.35		
10	SRSSAM	50	0	18.33	18.50	18.35		
Channel				43515	43515	43515		
Frequency (MHz)				3557.5	3575	3557.5		
5	QPSK	1	0	23.43	23.43	23.36	24	0
5	QPSK	1	15	23.19	23.35	23.17		
5	QPSK	1	24	23.27	23.43	23.22		
5	QPSK	12	0	22.38	22.41	22.44	23	1
5	QPSK	12	7	22.26	22.42	22.27		
5	QPSK	12	13	22.32	22.39	22.38		
5	QPSK	25	0	22.27	22.47	22.31	23	1
5	HQAM	1	0	22.38	22.53	22.48		
5	HQAM	1	12	22.22	22.48	22.19		
5	HQAM	1	24	22.26	22.39	22.31	22	2
5	HQAM	12	0	21.47	21.55	21.40		
5	HQAM	12	7	21.24	21.40	21.25		
5	HQAM	12	13	21.38	21.41	21.41	22	2
5	HQAM	25	0	21.36	21.44	21.28		
5	HQAM	1	0	21.40	21.50	21.43		
5	HQAM	1	12	21.09	21.37	21.28	22	2
5	HQAM	1	24	21.38	21.37	21.33		
5	HQAM	12	0	20.40	20.38	20.34		
5	HQAM	12	7	20.40	20.45	20.43	21	3
5	HQAM	12	13	20.35	20.58	20.45		
5	HQAM	25	0	20.39	20.55	20.42		
5	SRSSAM	1	0	18.44	18.40	18.35	19	5
5	SRSSAM	1	12	18.26	18.31	18.25		
5	SRSSAM	1	24	18.23	18.44	18.18		
5	SRSSAM	12	0	18.38	18.67	18.53	19	5
5	SRSSAM	12	7	18.33	18.43	18.29		
5	SRSSAM	12	13	18.33	18.60	18.38		
5	SRSSAM	25	0	18.38	18.54	18.32		

Uplink CA power

Ant 0 Full Power

CA_7C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	arget MPR Level (d	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	22.91	24.00
21100	21298	QPSK	1	99	1	0	2	0	23.01	24.00
21350	21152	QPSK	1	0	1	99	2	0	22.94	24.00

Ant 0 Full Power

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	arget MPR Level (d	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	23.11	24.00
40185	40383	QPSK	1	99	1	0	2	0	23.17	24.00
40620	40818	QPSK	1	99	1	0	2	0	23.09	24.00
41055	41253	QPSK	1	99	1	0	2	0	23.04	24.00
41490	41292	QPSK	1	0	1	99	2	0	23.01	24.00

Ant0 Down Power For DS13

CA_7C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	17.55	18.70
21100	21298	QPSK	1	99	1	0	2	0	17.43	18.70
21350	21152	QPSK	1	0	1	99	2	0	17.58	18.70

Ant0 Down Power For DS16

CA_7C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	20.69	22.00
21100	21298	QPSK	1	99	1	0	2	0	20.74	22.00
21350	21152	QPSK	1	0	1	99	2	0	20.81	22.00

Ant0 Down Power For DS13

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	19.72	20.80
40185	40383	QPSK	1	99	1	0	2	0	19.63	20.80
40620	40818	QPSK	1	99	1	0	2	0	19.66	20.80
41055	41253	QPSK	1	99	1	0	2	0	19.70	20.80
41490	41292	QPSK	1	0	1	99	2	0	19.59	20.80

Ant0 Down Power For DS16

CA_41C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	1	0	22.83	23.80
40185	40383	QPSK	1	99	1	0	1	0	22.91	23.80
40620	40818	QPSK	1	99	1	0	1	0	22.81	23.80
41055	41253	QPSK	1	99	1	0	1	0	22.79	23.80
41490	41292	QPSK	1	0	1	99	1	0	22.95	23.80



Dlink CA power

2CA DL

CA List	PCC									SCC				Power		
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_2A-4A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2133	2175	4x4MIMO	22.85	22.96
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.85	23.07
CA_2A-5A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.79	22.96
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	22.94	23.08
CA_2A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.81	22.96
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.91	23.03
CA_4A-5A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.91	23.07
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 4	20M	2133	2175	4x4MIMO	22.86	23.08
CA_4A-17A	Band 4	Ant0	10M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 17	10M	740	5790		23.02	23.07
	Band 17	Ant0	10M	710	23790	QPSK	1	0		Band 4	10M	2133	2175	4x4MIMO	23.14	23.19
CA_5A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2145	66786	4x4MIMO	22.92	23.08
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		23.06	23.11
CA_7B	Band 7	Ant0	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544	3193	4x4MIMO	22.89	23.02
CA_7C	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2555	3298	4x4MIMO	22.98	23.03
CA_7A-7A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2688	3425	4x4MIMO	22.93	23.03
CA_7A-26A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 26	15M	876.5	8865		22.94	23.03
	Band 26	Ant0	15M	831.5	26865	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	22.89	23.11
CA_7A-42A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.83	23.03
	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.26	23.53
CA_7A-66A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	22.90	23.03
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.09	23.11
CA_38C	Band 38	Ant0	15M	2595	38000	QPSK	1	0	4x4MIMO	Band 38	15M	2610	38150	4x4MIMO	23.02	23.16
CA_41C	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2613	40818	4x4MIMO	23.10	23.27
CA_42A-42A	Band 42	Ant2	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	5M	3548	43065	4x4MIMO	23.43	23.53
CA_66B	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154	66879	4x4MIMO	22.88	23.11
CA_66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2165	66984	4x4MIMO	22.91	23.11
CA_66A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2198	67311	4x4MIMO	23.02	23.11



3CA DL

3CA List	PCC								SCC1				SCC2				Power				
	LTE	BW	BW	UL	UL	Mod.	ULF	UL	DL	BW	DL	DL	DL	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	DL Antenna Configuration	Band	(MHz)	Freq. (MHz)	Channel	(dBm)	(dBm)	
CA_2A-4A-5A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.75	22.96
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.91	23.07
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.03	23.08
CA_2A-7A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	22.72	22.96
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.97	23.03
CA_2A-7C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.88	22.96
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.88	23.03
CA_4A-7C	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.86	23.07
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.84	23.03
CA_5A-7C	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.95	23.08
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.82	23.03
CA_5A-7A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	23.01	23.08
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	22.84	23.03
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.07	23.11
CA_7A-66A-66A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 66	20M	2145	66786	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.82	23.03
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	22.96	23.11
CA_41D	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	23.12	23.27
CA_41A-41C	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	Band 41	20M	2675.8	41448	4x4MIMO	23.09	23.27
CA_41A-41A-41A	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	Band 41	20M	2506	39750	4x4MIMO	23.07	23.27
CA_42D	Band 42	Ant2	20M	3460	42190	QPSK	1	0	4x4MIMO	Band 42	20M	3479.8	42388	4x4MIMO	Band 42	10M	3494.2	42532	4x4MIMO	23.46	23.53

4CA DL

Configure	PCC								SCC1				SCC2				SCC3				Power					
	LTE	BW	BW	UL	UL	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA						
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)				
CA_41C_41C	Band 41	Ant0	20M	2506	39750	QPSK	1	0	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO	Band 41	20M	2660.2	41292	4x4MIMO	Band 41	20M	2680	41490	4x4MIMO	23.12	23.27
CA_41E	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	Band 41	20M	2652.4	41214	4x4MIMO	23.21	23.27
CA_41A_41D	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2545.6	40146	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO	Band 41	20M	2508	39750	4x4MIMO	23.16	23.27



Full Power level/Default Power level/ Pmax Power Level for 5GNR

n7 Ant0								
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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	23.36	23.41	23.31		
40	PI/2 BPSK	1	108	23.21	23.36	23.26	24.0	0.0
40	PI/2 BPSK	1	214	23.29	23.43	23.28		
40	PI/2 BPSK	108	0	22.76	22.85	22.79	23.5	0.5
40	PI/2 BPSK	108	54	23.31	23.38	23.33	24.0	0.0
40	PI/2 BPSK	108	108	22.81	22.93	22.80		
40	PI/2 BPSK	216	0	22.81	22.98	22.89	23.5	0.5
40	QPSK	1	1	23.42	23.48	23.36		
40	QPSK	1	108	23.33	23.44	23.30	24.0	0.0
40	QPSK	1	214	23.25	23.40	23.25		
40	QPSK	108	0	22.28	22.37	22.31	23.0	1.0
40	QPSK	108	54	23.33	23.39	23.26	24.0	0.0
40	QPSK	108	108	22.29	22.44	22.29		
40	QPSK	216	0	22.37	22.48	22.39	23.0	1.0
40	16QAM	1	1	22.40	22.48	22.33	23.0	1.0
40	64QAM	1	1	21.10	21.17	21.03	21.5	2.5
40	256QAM	1	1	19.15	19.29	19.21	19.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	PI/2 BPSK	1	1	23.34	23.41	23.31	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	PI/2 BPSK	1	1	23.36	23.37	23.30	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.30	23.34	23.24	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.36	23.39	23.25	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.28	23.32	23.27	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.29	23.40	23.31	24.0	0.0

n66 Ant0								
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				345000	349000	353000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	23.31	23.36	23.22		
40	PI/2 BPSK	1	108	23.32	23.39	23.24	24.0	0.0
40	PI/2 BPSK	1	214	23.35	23.40	23.34		
40	PI/2 BPSK	108	0	22.72	22.78	22.74	23.5	0.5
40	PI/2 BPSK	108	54	23.35	23.43	23.37	24.0	0.0
40	PI/2 BPSK	108	108	22.85	22.95	22.82		
40	PI/2 BPSK	216	0	22.84	22.98	22.92	23.5	0.5
40	QPSK	1	1	23.29	23.48	23.35		
40	QPSK	1	108	23.30	23.38	23.24	24.0	0.0
40	QPSK	1	214	23.27	23.42	23.36		
40	QPSK	108	0	22.17	22.30	22.20	23.0	1.0
40	QPSK	108	54	23.13	23.38	23.16	24.0	0.0
40	QPSK	108	108	22.32	22.41	22.34		
40	QPSK	216	0	22.44	22.50	22.43	23.0	1.0
40	16QAM	1	1	22.32	22.44	22.37	23.0	1.0
40	64QAM	1	1	20.93	21.07	20.93	21.5	2.5
40	256QAM	1	1	19.02	19.17	19.11	19.5	4.5
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	23.23	23.33	23.24	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.23	23.36	23.26	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	23.25	23.32	23.25	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	23.20	23.37	23.20	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.19	23.40	23.29	24.0	0.0



n38 Ant0								
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		
Frequency (MHz)				2597.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.31	23.35	23.27		
40	PI/2 BPSK	1	53	23.34	23.42	23.30	24.0	0.0
40	PI/2 BPSK	1	104	23.40	23.46	23.34		
40	PI/2 BPSK	50	0	22.75	22.91	22.79	23.5	0.5
40	PI/2 BPSK	50	28	23.35	23.44	23.36	24.0	0.0
40	PI/2 BPSK	50	56	22.78	22.94	22.85		
40	PI/2 BPSK	100	0	22.80	22.89	22.79	23.5	0.5
40	QPSK	1	1	23.47	23.32	23.48		
40	QPSK	1	53	23.30	23.38	23.24	24.0	0.0
40	QPSK	1	104	23.33	23.45	23.37		
40	QPSK	50	0	22.43	22.48	22.39	23.0	1.0
40	QPSK	50	28	23.33	23.43	23.31	24.0	0.0
40	QPSK	50	56	22.35	22.43	22.30		
40	QPSK	100	0	22.38	22.48	22.38	23.0	1.0
40	16QAM	1	1	22.51	22.65	22.60	23.0	1.0
40	64QAM	1	1	21.15	21.25	21.18	21.5	2.5
40	256QAM	1	1	19.23	19.28	19.19	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.40	23.48	23.41	24.0	0.0
Channel				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2650	2658	2660		
20	QPSK	1	1	23.42	23.43	23.34	24.0	0.0

n41 Ant0								
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)				2510.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.16	23.28	23.20		
100	PI/2 BPSK	1	137	23.24	23.35	23.28	24.0	0.0
100	PI/2 BPSK	1	271	23.37	23.49	23.45		
100	PI/2 BPSK	135	0	22.67	22.76	22.69	23.5	0.5
100	PI/2 BPSK	135	69	23.24	23.32	23.26	24.0	0.0
100	PI/2 BPSK	135	138	22.80	22.86	22.79		
100	PI/2 BPSK	270	0	22.86	22.92	22.86	23.5	0.5
100	QPSK	1	1	23.27	23.35	23.30		
100	QPSK	1	137	23.25	23.33	23.17	24.0	0.0
100	QPSK	1	271	23.14	23.23	23.10		
100	QPSK	135	0	22.08	22.23	22.18	23.0	1.0
100	QPSK	135	69	23.24	23.34	23.19	24.0	0.0
100	QPSK	135	138	22.23	22.30	22.24		
100	QPSK	270	0	22.24	22.38	22.33	23.0	1.0
100	16QAM	1	1	22.35	22.42	22.32	23.0	1.0
100	64QAM	1	1	20.92	21.06	21.00	21.5	2.5
100	256QAM	1	1	18.98	19.09	18.94	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.14	23.40	23.19	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636.02	2692.99	2648.99		
80	QPSK	1	1	23.18	23.48	23.21	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.13	23.38	23.17	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.02	2592.99	2604.99		
50	QPSK	1	1	23.12	23.43	23.17	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.21	23.41	23.25	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.15	23.43	23.17	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.98		
20	QPSK	1	1	23.16	23.47	23.16	24.0	0.0



n5 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.50	23.75	23.99		
20	PI/2 BPSK	1	53	23.61	23.70	23.61	24.0	0.0
20	PI/2 BPSK	1	104	23.53	23.57	23.53		
20	PI/2 BPSK	50	0	23.06	23.14	23.00	23.5	0.5
20	PI/2 BPSK	50	28	23.48	23.62	23.53	24.0	0.0
20	PI/2 BPSK	50	56	23.01	23.08	22.93		
20	PI/2 BPSK	100	0	22.94	23.05	22.92	23.5	0.5
20	QPSK	1	1	23.76	23.78	23.68		
20	QPSK	1	53	23.60	23.68	23.57	24.0	0.0
20	QPSK	1	104	23.50	23.55	23.44		
20	QPSK	50	0	22.47	22.59	22.54	23.0	1.0
20	QPSK	50	28	23.52	23.64	23.58	24.0	0.0
20	QPSK	50	56	22.43	22.52	22.40		
20	QPSK	100	0	22.50	22.57	22.52	23.0	1.0
20	16QAM	1	1	22.86	22.97	22.88	23.0	1.0
20	64QAM	1	1	21.35	21.45	21.32	21.5	2.5
20	256QAM	1	1	19.35	19.42	19.29	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0
15	QPSK	1	1	23.64	23.63	23.54	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	24.0	0.0
10	QPSK	1	1	23.72	23.65	23.53	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0
5	QPSK	1	1	23.64	23.66	23.58	24.0	0.0

n7 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	23.23	23.35	23.23		
40	PI/2 BPSK	1	108	23.16	23.31	23.24	24.0	0.0
40	PI/2 BPSK	1	214	23.31	23.36	23.31		
40	PI/2 BPSK	108	0	22.73	22.83	22.79	23.5	0.5
40	PI/2 BPSK	108	54	23.22	23.27	23.12	24.0	0.0
40	PI/2 BPSK	108	108	22.70	22.78	22.71		
40	PI/2 BPSK	216	0	22.62	22.77	22.64	23.5	0.5
40	QPSK	1	1	23.27	23.39	23.34		
40	QPSK	1	108	23.22	23.33	23.19	24.0	0.0
40	QPSK	1	214	23.16	23.25	23.11		
40	QPSK	108	0	22.21	22.27	22.14	23.0	1.0
40	QPSK	108	54	23.24	23.29	23.22	24.0	0.0
40	QPSK	108	108	22.23	22.28	22.21		
40	QPSK	216	0	22.18	22.29	22.22	23.0	1.0
40	16QAM	1	1	21.85	21.92	21.77	23.0	1.0
40	64QAM	1	1	20.96	21.04	20.89	21.5	2.5
40	256QAM	1	1	18.82	18.94	18.90	19.5	4.5
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	24.0	0.0
30	PI/2 BPSK	1	1	23.11	23.28	23.20	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	24.0	0.0
25	PI/2 BPSK	1	1	23.19	23.24	23.23	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	24.0	0.0
20	QPSK	1	1	23.12	23.31	23.28	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0
15	QPSK	1	1	23.18	23.33	23.20	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	24.0	0.0
10	QPSK	1	1	23.14	23.23	23.25	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	24.0	0.0
5	QPSK	1	1	23.12	23.29	23.23	24.0	0.0

n66 Ant1

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel	346000	349000	352000					
Frequency (MHz)	1720	1745	1760					
40	PI/2 BPSK	1	1	23.10	23.21	23.15		
40	PI/2 BPSK	1	108	23.18	23.27	23.21	24.0	0.0
40	PI/2 BPSK	1	214	23.10	23.22	23.12		
40	PI/2 BPSK	108	0	22.59	22.74	22.60	23.5	0.5
40	PI/2 BPSK	108	54	23.14	23.23	23.19	24.0	0.0
40	PI/2 BPSK	108	108	22.78	22.83	22.70	23.5	0.5
40	PI/2 BPSK	216	0	22.68	22.78	22.63		
40	QPSK	1	1	23.19	23.31	23.23		
40	QPSK	1	108	23.15	23.23	23.07	24.0	0.0
40	QPSK	1	214	23.12	23.19	23.11		
40	QPSK	108	0	22.10	22.26	22.22	23.0	1.0
40	QPSK	108	54	23.15	23.25	23.11	24.0	0.0
40	QPSK	108	108	22.28	22.33	22.26	23.0	1.0
40	QPSK	216	0	22.20	22.28	22.22		
40	16QAM	1	1	21.67	21.82	21.76	23.0	1.0
40	64QAM	1	1	20.83	20.96	20.88	21.5	2.5
40	256QAM	1	1	18.79	18.83	18.74	19.5	4.5
Channel	345000	349000	353000					
Frequency (MHz)	1725	1745	1765					
30	PI/2 BPSK	1	1	23.07	23.21	23.12	24.0	0.0
Channel	344000	349000	354000					
Frequency (MHz)	1720	1745	1770					
20	QPSK	1	1	23.06	23.23	23.11	24.0	0.0
Channel	343500	349000	354500					
Frequency (MHz)	1717.5	1745	1772.5					
15	QPSK	1	1	23.10	23.26	23.09	24.0	0.0
Channel	343000	349000	355000					
Frequency (MHz)	1715	1745	1775					
10	QPSK	1	1	23.06	23.19	23.10	24.0	0.0
Channel	342500	349000	355500					
Frequency (MHz)	1712.5	1745	1777.5					
5	QPSK	1	1	23.10	23.20	23.18	24.0	0.0



Par270 n77 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	23.29	23.41	23.57			
100	PI/2 BPSK	1	137	23.24	23.39	23.26	24.0	0.0	
100	PI/2 BPSK	1	271	23.19	23.30	23.23			
100	PI/2 BPSK	135	0	22.79	22.91	22.82	23.5	0.5	
100	PI/2 BPSK	135	69	23.30	23.38	23.26	24.0	0.0	
100	PI/2 BPSK	135	138	22.79	22.86	22.78			
100	PI/2 BPSK	270	0	22.80	22.83	22.83	23.5	0.5	
100	QPSK	1	1	23.38	23.31	23.22			
100	QPSK	1	137	23.37	23.43	23.35	24.0	0.0	
100	QPSK	1	271	23.26	23.36	23.30			
100	QPSK	135	0	22.25	22.40	22.34	23.0	1.0	
100	QPSK	135	69	23.27	23.41	23.28	24.0	0.0	
100	QPSK	135	138	22.25	22.30	22.15			
100	QPSK	270	0	22.32	22.38	22.33	23.0	1.0	
100	16QAM	1	1	21.07	21.89	21.92			
100	16QAM	1	1	21.04	20.94	21.06	21.5	2.5	
100	256QAM	1	1	19.03	18.70	19.05	19.5	4.5	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	23.29	23.38	23.07	24.0	0.0	
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	23.29	23.35	23.08	24.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	23.24	23.41	23.17	24.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	23.34	23.37	23.06	24.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	23.26	23.34	23.14	24.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	23.32	23.38	23.09	24.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	23.23	23.31	23.11	24.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	23.29	23.33	23.11	24.0	0.0	

Part27Q n77 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
100	PI/2 BPSK	1	1	23.41	23.48	23.48	24.0	0.0	
100	PI/2 BPSK	1	137	23.48	23.48	23.48	24.0	0.0	
100	PI/2 BPSK	1	271	23.53	23.53	23.53			
100	PI/2 BPSK	135	0	22.93	22.93	22.93	23.5	0.5	
100	PI/2 BPSK	135	69	23.50	23.50	23.50	24.0	0.0	
100	PI/2 BPSK	135	138	22.97	22.97	22.97			
100	PI/2 BPSK	270	0	22.99	22.99	22.99	23.5	0.5	
100	QPSK	1	1	23.56	23.56	23.56			
100	QPSK	1	137	23.51	23.51	23.51	24.0	0.0	
100	QPSK	1	271	23.38	23.38	23.38			
100	QPSK	135	0	22.44	22.44	22.44	23.0	1.0	
100	QPSK	135	69	23.41	23.41	23.41	24.0	0.0	
100	QPSK	135	138	22.50	22.50	22.50			
100	QPSK	270	0	22.54	22.54	22.54	23.0	1.0	
100	16QAM	1	1	22.23	22.23	22.23	23.0	1.0	
100	16QAM	1	1	21.08	21.08	21.08	21.5	2.5	
100	256QAM	1	1	19.01	19.01	19.01	19.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	23.41	23.48	23.48	24.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	23.48	23.43	23.38	24.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	23.41	23.40	23.41	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	23.40	23.46	23.46	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	23.40	23.41	23.40	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	23.41	23.43	23.43	24.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	23.47	23.43	23.45	24.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	23.47	23.47	23.43	24.0	0.0	



Part270 n78 Ant2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	23.46	23.46	23.46	24.0	0.0
100	PI/2 BPSK	1	137	23.42	23.42	23.42	24.0	0.0
100	PI/2 BPSK	1	271	23.45	23.45	23.45	24.0	0.0
100	PI/2 BPSK	135	0	23.48	23.48	23.48	24.0	0.0
100	PI/2 BPSK	135	69	23.43	23.43	23.43	24.0	0.0
100	PI/2 BPSK	135	138	23.49	23.49	23.49	24.0	0.0
100	PI/2 BPSK	270	0	23.41	23.41	23.41	24.0	0.0
100	QPSK	1	1	23.37	23.37	23.37	24.0	0.0
100	QPSK	1	137	23.48	23.48	23.48	24.0	0.0
100	QPSK	1	271	23.49	23.49	23.49	24.0	0.0
100	QPSK	135	0	23.41	23.41	23.41	24.0	0.0
100	QPSK	135	69	23.47	23.47	23.47	24.0	0.0
100	QPSK	135	138	23.41	23.41	23.41	24.0	0.0
100	QPSK	270	0	23.42	23.42	23.42	24.0	0.0
100	16QAM	1	1	23.33	23.33	23.33	24.0	0.0
100	64QAM	1	1	23.42	23.42	23.42	24.0	0.0
100	256QAM	1	1	22.29	22.29	22.29	23.0	1.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	24.0	0.0
90	QPSK	1	1	23.37	23.30	23.37	24.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	24.0	0.0
80	QPSK	1	1	23.38	23.29	23.27	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	24.0	0.0
70	QPSK	1	1	23.43	23.21	23.40	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	24.0	0.0
60	QPSK	1	1	23.38	23.21	23.28	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	24.0	0.0
50	QPSK	1	1	23.26	23.35	23.36	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	24.0	0.0
40	QPSK	1	1	22.28	23.48	23.22	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	24.0	0.0
30	QPSK	1	1	23.46	23.47	23.39	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	24.0	0.0
20	QPSK	1	1	23.38	23.32	23.31	24.0	0.0

Part270 n78 PC2 Ant2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	26.52	26.52	26.52	27.0	0.0
100	PI/2 BPSK	1	137	26.53	26.53	26.53	27.0	0.0
100	PI/2 BPSK	1	271	26.53	26.53	26.53	27.0	0.0
100	PI/2 BPSK	135	0	26.12	26.12	26.12	26.5	0.5
100	PI/2 BPSK	135	69	26.49	26.49	26.49	27.0	0.0
100	PI/2 BPSK	135	138	26.10	26.10	26.10	26.5	0.5
100	PI/2 BPSK	270	0	26.06	26.06	26.06	27.0	0.0
100	QPSK	1	1	26.57	26.57	26.57	27.0	0.0
100	QPSK	1	137	26.54	26.54	26.54	27.0	0.0
100	QPSK	1	271	26.49	26.49	26.49	27.0	0.0
100	QPSK	135	0	25.42	25.42	25.42	26.0	1.0
100	QPSK	135	69	26.52	26.52	26.52	27.0	0.0
100	QPSK	135	138	25.53	25.53	25.53	26.0	1.0
100	QPSK	270	0	25.80	25.80	25.80	26.0	1.0
100	16QAM	1	1	24.91	24.91	24.91	26.0	1.0
100	64QAM	1	1	24.00	24.00	24.00	24.5	2.5
100	256QAM	1	1	22.01	22.01	22.01	22.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	27.0	0.0
90	QPSK	1	1	26.70	26.68	26.63	27.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	27.0	0.0
80	QPSK	1	1	26.61	26.63	26.64	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	27.0	0.0
70	QPSK	1	1	26.64	26.62	26.60	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	27.0	0.0
60	QPSK	1	1	26.61	26.68	26.62	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	27.0	0.0
50	QPSK	1	1	26.70	26.66	26.63	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	27.0	0.0
40	QPSK	1	1	26.68	26.61	26.64	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	27.0	0.0
30	QPSK	1	1	26.63	26.69	26.60	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	27.0	0.0
20	QPSK	1	1	26.64	26.59	26.68	27.0	0.0



Part27Q 78 Ant2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633334	633334		
Frequency (MHz)				3500.01			
100	PI/2 BPSK	1	1	23.33			
100	PI/2 BPSK	1	137	23.38		24.0	0.0
100	PI/2 BPSK	1	271	23.49			
100	PI/2 BPSK	135	0	23.48		24.0	0.0
100	PI/2 BPSK	135	69	23.55		24.0	0.0
100	PI/2 BPSK	135	138	23.50			
100	PI/2 BPSK	270	0	23.46		24.0	0.0
100	QPSK	1	1	23.56			
100	QPSK	1	137	23.53		24.0	0.0
100	QPSK	1	271	23.54			
100	QPSK	135	0	23.45		24.0	0.0
100	QPSK	135	69	23.53		24.0	0.0
100	QPSK	135	138	23.47			
100	QPSK	270	0	23.51		24.0	0.0
100	16QAM	1	1	23.20		24.0	0.0
100	64QAM	1	1	23.52		24.0	0.0
100	256QAM	1	1	22.09		22.5	1.5
Channel				633000	633334	633668	
Frequency (MHz)				3495	3500.01	3505.02	
90	QPSK	1	1	23.31	23.43	23.29	24.0
Channel				632668	633334	634000	
Frequency (MHz)				3490.02	3500.01	3510	
80	QPSK	1	1	23.27	23.28	23.29	24.0
Channel				632334	633334	634334	
Frequency (MHz)				3485.01	3500.01	3515.01	
70	QPSK	1	1	23.47	23.49	23.46	24.0
Channel				632000	633334	634668	
Frequency (MHz)				3480	3500.01	3520.02	
60	QPSK	1	1	23.68	23.64	23.68	24.0
Channel				631668	633334	635000	
Frequency (MHz)				3475.02	3500.01	3525	
50	QPSK	1	1	23.33	23.29	23.33	24.0
Channel				631334	633334	635334	
Frequency (MHz)				3470.01	3500.01	3530.01	
40	QPSK	1	1	23.33	23.40	23.38	24.0
Channel				631000	633334	635668	
Frequency (MHz)				3465	3500.01	3535.02	
30	QPSK	1	1	23.25	23.32	23.38	24.0
Channel				630668	633334	636000	
Frequency (MHz)				3460.02	3500.01	3540	
20	QPSK	1	1	23.37	23.39	23.31	24.0

Part27Q 78 PC2 Ant2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				633334	633334		
Frequency (MHz)				3500.01			
100	PI/2 BPSK	1	1	26.31			
100	PI/2 BPSK	1	137	26.39		27.0	0.0
100	PI/2 BPSK	1	271	26.24			
100	PI/2 BPSK	135	0	26.13		26.5	0.5
100	PI/2 BPSK	135	69	26.41		27.0	0.0
100	PI/2 BPSK	135	138	26.11			
100	PI/2 BPSK	270	0	25.99		26.5	0.5
100	QPSK	1	1	26.57			
100	QPSK	1	137	26.24		27.0	0.0
100	QPSK	1	271	26.40			
100	QPSK	135	0	24.86		26.0	1.0
100	QPSK	135	69	26.24		27.0	0.0
100	QPSK	135	138	25.42			
100	QPSK	270	0	25.18		26.0	1.0
100	16QAM	1	1	24.01		26.0	1.0
100	64QAM	1	1	23.68		24.5	2.5
100	256QAM	1	1	22.11		22.5	4.5
Channel				633000	633334	633668	
Frequency (MHz)				3495	3500.01	3505.02	
90	QPSK	1	1	26.42	26.38	26.38	27.0
Channel				632668	633334	634000	
Frequency (MHz)				3490.02	3500.01	3510	
80	QPSK	1	1	26.48	26.54	26.52	27.0
Channel				632334	633334	634334	
Frequency (MHz)				3485.01	3500.01	3515.01	
70	QPSK	1	1	26.43	26.34	26.35	27.0
Channel				632000	633334	634668	
Frequency (MHz)				3480	3500.01	3520.02	
60	QPSK	1	1	26.48	26.44	26.55	27.0
Channel				631668	633334	635000	
Frequency (MHz)				3475.02	3500.01	3525	
50	QPSK	1	1	26.48	26.52	26.40	27.0
Channel				631334	633334	635334	
Frequency (MHz)				3470.01	3500.01	3530.01	
40	QPSK	1	1	26.44	26.49	26.38	27.0
Channel				631000	633334	635668	
Frequency (MHz)				3465	3500.01	3535.02	
30	QPSK	1	1	26.54	26.37	26.52	27.0
Channel				630668	633334	636000	
Frequency (MHz)				3460.02	3500.01	3540	
20	QPSK	1	1	26.45	26.38	26.47	27.0



Part270 n78 Ant4								
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	23.51				
100	PI/2 BPSK	1	137	23.45			24.0	0.0
100	PI/2 BPSK	1	271	23.52				
100	PI/2 BPSK	135	0	23.06			23.5	0.5
100	PI/2 BPSK	135	69	23.56			24.0	0.0
100	PI/2 BPSK	135	138	23.14				
100	PI/2 BPSK	270	0	23.15			23.5	0.5
100	QPSK	1	1	23.38				
100	QPSK	1	137	23.44			24.0	0.0
100	QPSK	1	271	23.56				
100	QPSK	135	0	22.49			23.0	1.0
100	QPSK	135	69	23.42			24.0	0.0
100	QPSK	135	138	22.64				
100	QPSK	270	0	22.63			23.0	1.0
100	16QAM	1	1	22.63			23.0	1.0
100	64QAM	1	1	21.13			21.5	2.5
100	256QAM	1	1	18.93			19.5	4.5
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.31	23.49	23.38	24.0	0.0
Channel				648334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.38	23.51	23.39	24.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.41	23.50	23.39	24.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.43	23.44	23.40	24.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.43	23.49	23.41	24.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.36	23.55	23.39	24.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.38	23.47	23.41	24.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.33	23.53	23.39	24.0	0.0

Part270 n78 HPUE Ant4								
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	23.53				
100	PI/2 BPSK	1	137	25.84			26.0	0.0
100	PI/2 BPSK	1	271	25.53				
100	PI/2 BPSK	135	0	25.60			26.0	0.0
100	PI/2 BPSK	135	69	25.64			26.0	0.0
100	PI/2 BPSK	135	138	25.59				
100	PI/2 BPSK	270	0	25.56			26.0	0.0
100	QPSK	1	1	25.66				
100	QPSK	1	137	25.51			26.0	0.0
100	QPSK	1	271	25.48				
100	QPSK	135	0	25.60			26.0	1.0
100	QPSK	135	69	25.63			26.0	0.0
100	QPSK	135	138	25.53				
100	QPSK	270	0	25.61			26.0	1.0
100	16QAM	1	1	25.59			26.0	0.0
100	64QAM	1	1	24.13			24.5	1.5
100	256QAM	1	1	22.05			22.5	3.5
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	25.52	25.57	25.48	26.0	0.0
Channel				648334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	25.50	25.53	25.46	26.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	25.52	25.61	25.55	26.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	25.50	25.56	25.48	26.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	25.45	25.59	25.49	26.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	25.55	25.55	25.43	26.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	25.46	25.63	25.52	26.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	25.46	25.53	25.43	26.0	0.0



Part27Q 78 Ant4								
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	633668		
Frequency (MHz)				3500.01	3500.01	3500.01		
100	PI/2 BPSK	1	1	23.67	23.67	23.67	24.0	0.0
100	PI/2 BPSK	1	137	23.60	23.60	23.60	24.0	0.0
100	PI/2 BPSK	1	271	23.65	23.65	23.65	24.0	0.0
100	PI/2 BPSK	135	0	23.17	23.17	23.17	23.5	0.5
100	PI/2 BPSK	135	69	23.66	23.66	23.66	24.0	0.0
100	PI/2 BPSK	135	138	23.31	23.31	23.31	23.5	0.5
100	PI/2 BPSK	270	0	23.23	23.23	23.23	23.5	0.5
100	QPSK	1	1	23.68	23.68	23.68	24.0	0.0
100	QPSK	1	137	23.63	23.63	23.63	24.0	0.0
100	QPSK	1	271	23.59	23.59	23.59	24.0	0.0
100	QPSK	135	0	22.61	22.61	22.61	23.0	1.0
100	QPSK	135	69	23.64	23.64	23.64	24.0	0.0
100	QPSK	135	138	22.70	22.70	22.70	23.0	1.0
100	QPSK	270	0	22.60	22.60	22.60	23.0	1.0
100	16QAM	1	1	22.56	22.56	22.56	23.0	1.0
100	64QAM	1	1	21.13	21.13	21.13	21.5	2.5
100	256QAM	1	1	19.07	19.07	19.07	19.5	4.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.56	23.55	23.43	24.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.55	23.63	23.51	24.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.57	23.63	23.47	24.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.47	23.60	23.51	24.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.46	23.61	23.50	24.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.56	23.63	23.49	24.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.56	23.64	23.53	24.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.55	23.63	23.44	24.0	0.0

Part27Q 78 HPUE Ant4								
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	633668		
Frequency (MHz)				3500.01	3500.01	3500.01		
100	PI/2 BPSK	1	1	25.52	25.52	25.52	26.0	0.0
100	PI/2 BPSK	1	137	25.85	25.85	25.85	26.0	0.0
100	PI/2 BPSK	1	271	25.53	25.53	25.53	26.0	0.0
100	PI/2 BPSK	135	0	25.62	25.62	25.62	25.5	0.5
100	PI/2 BPSK	135	69	25.67	25.67	25.67	26.0	0.0
100	PI/2 BPSK	135	138	25.61	25.61	25.61	25.5	0.5
100	PI/2 BPSK	270	0	25.66	25.66	25.66	25.5	0.5
100	QPSK	1	1	25.71	25.71	25.71	26.0	0.0
100	QPSK	1	137	25.59	25.59	25.59	26.0	0.0
100	QPSK	1	271	25.52	25.52	25.52	26.0	0.0
100	QPSK	135	0	25.66	25.66	25.66	25.0	1.0
100	QPSK	135	69	25.68	25.68	25.68	26.0	0.0
100	QPSK	135	138	25.64	25.64	25.64	25.0	1.0
100	QPSK	270	0	25.65	25.65	25.65	25.0	1.0
100	16QAM	1	1	25.66	25.66	25.66	25.0	1.0
100	64QAM	1	1	24.15	24.15	24.15	23.5	2.5
100	256QAM	1	1	22.10	22.10	22.10	21.5	4.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.60	25.66	25.55	26.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.50	25.67	25.55	26.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.54	25.65	25.55	26.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.51	25.59	25.60	26.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.60	25.63	25.60	26.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.53	25.58	25.53	26.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.57	25.67	25.62	26.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.52	25.65	25.56	26.0	0.0



Part270 n78 Ant6									
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	23.40	23.40	23.40	24.0	0.0	
100	PI/2 BPSK	1	137	23.46	23.46	23.46	24.0	0.0	
100	PI/2 BPSK	1	271	23.37	23.37	23.37	24.0	0.0	
100	PI/2 BPSK	135	0	22.94	22.94	22.94	23.5	0.5	
100	PI/2 BPSK	135	69	23.44	23.44	23.44	24.0	0.0	
100	PI/2 BPSK	135	138	22.91	22.91	22.91	23.5	0.5	
100	PI/2 BPSK	270	0	22.90	22.90	22.90	24.0	0.0	
100	QPSK	1	1	23.49	23.49	23.49	24.0	0.0	
100	QPSK	1	137	23.38	23.38	23.38	24.0	0.0	
100	QPSK	1	271	23.42	23.42	23.42	24.0	0.0	
100	QPSK	135	0	22.29	22.29	22.29	23.0	1.0	
100	QPSK	135	69	23.43	23.43	23.43	24.0	0.0	
100	QPSK	135	138	22.44	22.44	22.44	23.0	1.0	
100	QPSK	270	0	22.27	22.27	22.27	23.0	1.0	
100	16QAM	1	1	22.82	22.82	22.82	23.0	1.0	
100	64QAM	1	1	21.03	21.03	21.03	21.5	2.5	
100	256QAM	1	1	18.97	18.97	18.97	19.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	24.0	0.0	
90	QPSK	1	1	23.34	23.41	23.32	24.0	0.0	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	24.0	0.0	
80	QPSK	1	1	23.31	23.44	23.30	24.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	24.0	0.0	
70	QPSK	1	1	23.41	23.35	23.27	24.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	24.0	0.0	
60	QPSK	1	1	23.34	23.38	23.31	24.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	24.0	0.0	
50	QPSK	1	1	23.40	23.37	23.22	24.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	24.0	0.0	
40	QPSK	1	1	23.33	23.41	23.29	24.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	24.0	0.0	
30	QPSK	1	1	23.38	23.45	23.31	24.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	24.0	0.0	
20	QPSK	1	1	23.37	23.39	23.31	24.0	0.0	

Part270 n78 HPUE Ant6									
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	25.50	25.50	25.50	26.0	0.0	
100	PI/2 BPSK	1	137	25.42	25.42	25.42	26.0	0.0	
100	PI/2 BPSK	1	271	25.49	25.49	25.49	26.0	0.0	
100	PI/2 BPSK	135	0	25.45	25.45	25.45	26.0	0.0	
100	PI/2 BPSK	135	69	25.53	25.53	25.53	26.0	0.0	
100	PI/2 BPSK	135	138	25.51	25.51	25.51	26.0	0.0	
100	PI/2 BPSK	270	0	25.48	25.48	25.48	26.0	0.0	
100	QPSK	1	1	25.55	25.55	25.55	26.0	0.0	
100	QPSK	1	137	25.53	25.53	25.53	26.0	0.0	
100	QPSK	1	271	25.47	25.47	25.47	26.0	0.0	
100	QPSK	135	0	25.28	25.28	25.28	26.0	0.0	
100	QPSK	135	69	25.52	25.52	25.52	26.0	0.0	
100	QPSK	135	138	25.11	25.11	25.11	26.0	0.0	
100	QPSK	270	0	25.04	25.04	25.04	26.0	0.0	
100	16QAM	1	1	24.92	24.92	24.92	26.0	0.0	
100	64QAM	1	1	24.05	24.05	24.05	24.5	1.5	
100	256QAM	1	1	22.00	22.00	22.00	22.5	3.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	26.0	0.0	
90	QPSK	1	1	25.37	25.42	25.26	26.0	0.0	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	26.0	0.0	
80	QPSK	1	1	25.43	25.46	25.28	26.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	26.0	0.0	
70	QPSK	1	1	25.44	25.47	25.35	26.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	26.0	0.0	
60	QPSK	1	1	25.35	25.48	25.30	26.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	26.0	0.0	
50	QPSK	1	1	25.34	25.43	25.36	26.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	26.0	0.0	
40	QPSK	1	1	25.42	25.46	25.26	26.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	26.0	0.0	
30	QPSK	1	1	25.38	25.41	25.30	26.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	26.0	0.0	
20	QPSK	1	1	25.38	25.43	25.31	26.0	0.0	



Part27Q 78 Ant6									
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)									
633334									
3500.01									
100	PI/2 BPSK	1	1	23.52					
100	PI/2 BPSK	1	137	23.54			24.0	0.0	
100	PI/2 BPSK	1	271	23.42					
100	PI/2 BPSK	135	0	23.09			23.5	0.5	
100	PI/2 BPSK	135	69	23.49			24.0	0.0	
100	PI/2 BPSK	135	138	23.00			23.5	0.5	
100	PI/2 BPSK	270	0	23.04					
100	QPSK	1	1	23.61					
100	QPSK	1	137	23.44			24.0	0.0	
100	QPSK	1	271	23.48					
100	QPSK	135	0	22.38			23.0	1.0	
100	QPSK	135	69	23.55			24.0	0.0	
100	QPSK	135	138	22.50			23.0	1.0	
100	QPSK	270	0	22.51					
100	16QAM	1	1	22.59			23.0	1.0	
100	64QAM	1	1	21.20			21.5	2.5	
100	256QAM	1	1	19.07			19.5	4.5	
Channel									
Frequency (MHz)									
633000									
3495									
3500.01									
3505.02									
90	QPSK	1	1	23.41	23.55	23.42	24.0	0.0	
Channel									
Frequency (MHz)									
632668									
633334									
634000									
3490.02									
3500.01									
3510									
80	QPSK	1	1	23.44	23.50	23.45	24.0	0.0	
Channel									
Frequency (MHz)									
632334									
633334									
634334									
3485.01									
3500.01									
3515.01									
70	QPSK	1	1	23.47	23.54	23.49	24.0	0.0	
Channel									
Frequency (MHz)									
632000									
633334									
634668									
3480									
3500.01									
3520.02									
60	QPSK	1	1	23.41	23.51	23.48	24.0	0.0	
Channel									
Frequency (MHz)									
631668									
633334									
635000									
3475.02									
3500.01									
3525									
50	QPSK	1	1	23.47	23.52	23.48	24.0	0.0	
Channel									
Frequency (MHz)									
631334									
633334									
635334									
3470.01									
3500.01									
3530.01									
40	QPSK	1	1	23.38	23.56	23.49	24.0	0.0	
Channel									
Frequency (MHz)									
631000									
633334									
635668									
3465									
3500.01									
3535.02									
30	QPSK	1	1	23.47	23.56	23.48	24.0	0.0	
Channel									
Frequency (MHz)									
630668									
633334									
636000									
3460.02									
3500.01									
3540									
20	QPSK	1	1	23.38	23.55	23.51	24.0	0.0	

Part27Q 78 HPUE Ant6									
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)									
633334									
3500.01									
100	PI/2 BPSK	1	1	25.58					
100	PI/2 BPSK	1	137	25.58			26.0	0.0	
100	PI/2 BPSK	1	271	25.56					
100	PI/2 BPSK	135	0	25.62			26.0	0.0	
100	PI/2 BPSK	135	69	25.58			26.0	0.0	
100	PI/2 BPSK	135	138	25.60			26.0	0.0	
100	PI/2 BPSK	270	0	25.56					
100	QPSK	1	1	25.64					
100	QPSK	1	137	25.61			26.0	0.0	
100	QPSK	1	271	25.53					
100	QPSK	135	0	25.44			26.0	0.0	
100	QPSK	135	69	25.61			26.0	0.0	
100	QPSK	135	138	25.27			26.0	0.0	
100	QPSK	270	0	25.10					
100	16QAM	1	1	25.02			26.0	0.0	
100	64QAM	1	1	24.18			24.5	1.5	
100	256QAM	1	1	22.09			22.5	3.5	
Channel									
Frequency (MHz)									
633000									
3495									
3500.01									
3505.02									
90	QPSK	1	1	25.41	25.51	25.51	26.0	0.0	
Channel									
Frequency (MHz)									
632668									
633334									
634000									
3490.02									
3500.01									
3510									
80	QPSK	1	1	25.40	25.54	25.48	26.0	0.0	
Channel									
Frequency (MHz)									
632334									
633334									
634334									
3485.01									
3500.01									
3515.01									
70	QPSK	1	1	25.40	25.53	25.44	26.0	0.0	
Channel									
Frequency (MHz)									
632000									
633334									
634668									
3480									
3500.01									
3520.02									
60	QPSK	1	1	25.44	25.58	25.52	26.0	0.0	
Channel									
Frequency (MHz)									
631668									
633334									
635000									
3475.02									
3500.01									
3525									
50	QPSK	1	1	25.44	25.57	25.49	26.0	0.0	
Channel									
Frequency (MHz)									
631334									
633334									
635334									
3470.01									
3500.01									
3530.01									
40	QPSK	1	1	25.43	25.57	25.50	26.0	0.0	
Channel									
Frequency (MHz)									
631000									
633334									
635668									
3465									
3500.01									
3535.02									
30	QPSK	1	1	25.46	25.57	25.44	26.0	0.0	
Channel									
Frequency (MHz)									
630668									
633334									
636000									
3460.02									
3500.01									
3540									
20	QPSK	1	1	25.36	25.61	25.49	26.0	0.0	



Part270 n78 Ant7								
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	22.54				
100	PI/2 BPSK	1	137	22.77			24.0	0.0
100	PI/2 BPSK	1	271	22.66				
100	PI/2 BPSK	135	0	22.68			24.0	0.0
100	PI/2 BPSK	135	69	22.70			24.0	0.0
100	PI/2 BPSK	135	138	22.66				
100	PI/2 BPSK	270	0	22.71			24.0	0.0
100	QPSK	1	1	22.83				
100	QPSK	1	137	22.74			24.0	0.0
100	QPSK	1	271	22.69				
100	QPSK	135	0	22.74			24.0	0.0
100	QPSK	135	69	22.71			24.0	0.0
100	QPSK	135	138	22.68				
100	QPSK	270	0	22.72			24.0	0.0
100	16QAM	1	1	22.77			24.0	0.0
100	64QAM	1	1	22.58			24.0	0.0
100	256QAM	1	1	21.40			22.5	1.5
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.75	22.77	22.74	24.0	0.0
Channel				648334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.78	22.75	22.76	24.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.76	22.74	22.73	24.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.71	22.78	22.79	24.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.68	22.67	22.75	24.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.74	22.72	22.77	24.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.76	22.73	22.78	24.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.70	22.76	22.72	24.0	0.0

Part270 n78 PC2 Ant7								
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	25.70				
100	PI/2 BPSK	1	137	25.67			27.0	0.0
100	PI/2 BPSK	1	271	25.76				
100	PI/2 BPSK	135	0	25.17			26.5	0.5
100	PI/2 BPSK	135	69	25.73			27.0	0.0
100	PI/2 BPSK	135	138	25.16				
100	PI/2 BPSK	270	0	25.19			26.5	0.5
100	QPSK	1	1	25.79				
100	QPSK	1	137	25.74			27.0	0.0
100	QPSK	1	271	25.70				
100	QPSK	135	0	24.66			26.0	1.0
100	QPSK	135	69	25.71			27.0	0.0
100	QPSK	135	138	24.69				
100	QPSK	270	0	24.63			26.0	1.0
100	16QAM	1	1	24.79			26.0	1.0
100	64QAM	1	1	23.43			24.5	2.5
100	256QAM	1	1	21.46			22.5	4.5
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	25.66	25.67	25.71	27.0	0.0
Channel				648334	650000	650668		
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	25.73	25.65	25.70	27.0	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	25.66	25.65	25.67	27.0	0.0
Channel				648668	650000	651334		
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	25.69	25.70	25.74	27.0	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	25.74	25.66	25.74	27.0	0.0
Channel				648000	650000	652000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	25.74	25.74	25.72	27.0	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	25.67	25.70	25.73	27.0	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	25.69	25.74	25.65	27.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
3500.01							
100	PI/2 BPSK	1	1	22.25			
100	PI/2 BPSK	1	137	22.74		24.0	0.0
100	PI/2 BPSK	1	271	22.78			
100	PI/2 BPSK	135	0	22.73		24.0	0.0
100	PI/2 BPSK	135	69	22.81		24.0	0.0
100	PI/2 BPSK	135	138	22.73			
100	PI/2 BPSK	270	0	22.76		24.0	0.0
100	QPSK	1	1	22.90			
100	QPSK	1	137	22.84		24.0	0.0
100	QPSK	1	271	22.79			
100	QPSK	135	0	22.74		24.0	0.0
100	QPSK	135	69	22.80		24.0	0.0
100	QPSK	135	138	22.73			
100	QPSK	270	0	22.79		24.0	0.0
100	16QAM	1	1	22.64		24.0	0.0
100	64QAM	1	1	22.88		24.0	0.0
100	256QAM	1	1	21.54		22.5	1.5
Channel							
Frequency (MHz)							
3495							
90	QPSK	1	1	22.82	22.75	22.81	24.0
Channel							
Frequency (MHz)							
3490.02							
80	QPSK	1	1	22.76	22.70	22.85	24.0
Channel							
Frequency (MHz)							
632334							
70	QPSK	1	1	22.83	22.86	22.85	24.0
Channel							
Frequency (MHz)							
632000							
60	QPSK	1	1	3480	3500.01	3520.02	24.0
Channel							
Frequency (MHz)							
631868							
50	QPSK	1	1	3475.02	3500.01	3525.01	24.0
Channel							
Frequency (MHz)							
631334							
40	QPSK	1	1	3470.01	3500.01	3530.01	24.0
Channel							
Frequency (MHz)							
631000							
30	QPSK	1	1	3465	3500.01	3535.02	24.0
Channel							
Frequency (MHz)							
630668							
20	QPSK	1	1	3460.02	3500.01	3540	24.0

Part27Q 78 PC2 Ant7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
633334							
100	PI/2 BPSK	1	1	25.70			
100	PI/2 BPSK	1	137	25.66		27.0	0.0
100	PI/2 BPSK	1	271	25.80			
100	PI/2 BPSK	135	0	25.25		26.5	0.5
100	PI/2 BPSK	135	69	25.77		27.0	0.0
100	PI/2 BPSK	135	138	25.21		26.5	0.5
100	PI/2 BPSK	270	0	25.28			
100	QPSK	1	1	25.01			
100	QPSK	1	137	25.65		27.0	0.0
100	QPSK	1	271	25.76			
100	QPSK	135	0	24.32		26.0	1.0
100	QPSK	135	69	25.51		27.0	0.0
100	QPSK	135	138	24.75		26.0	1.0
100	QPSK	270	0	24.58			
100	16QAM	1	1	24.30		26.0	1.0
100	64QAM	1	1	23.05		24.5	2.5
100	256QAM	1	1	21.47		22.5	4.5
Channel							
Frequency (MHz)							
3495							
90	QPSK	1	1	25.76	25.73	25.71	27.0
Channel							
Frequency (MHz)							
3490.02							
80	QPSK	1	1	25.71	25.66	25.71	27.0
Channel							
Frequency (MHz)							
632334							
70	QPSK	1	1	25.69	25.72	25.68	27.0
Channel							
Frequency (MHz)							
632000							
60	QPSK	1	1	3480	3500.01	3520.02	27.0
Channel							
Frequency (MHz)							
631868							
50	QPSK	1	1	3475.02	3500.01	3525.01	27.0
Channel							
Frequency (MHz)							
631334							
40	QPSK	1	1	3470.01	3500.01	3530.01	27.0
Channel							
Frequency (MHz)							
631000							
30	QPSK	1	1	3465	3500.01	3535.02	27.0
Channel							
Frequency (MHz)							
630668							
20	QPSK	1	1	3460.02	3500.01	3540	27.0



Reduced Power Mode for 5G NR DSI 2-Standalone

n7 Ant0									
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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	23.36	23.41	23.31			
40	PI/2 BPSK	1	108	23.21	23.36	23.26	24.0	0.0	
40	PI/2 BPSK	1	214	23.29	23.43	23.28			
40	PI/2 BPSK	108	0	22.76	22.85	22.79	23.5	0.5	
40	PI/2 BPSK	108	54	23.31	23.38	23.33	24.0	0.0	
40	PI/2 BPSK	108	108	22.81	22.93	22.80			
40	PI/2 BPSK	216	0	22.81	22.96	22.89	23.5	0.5	
40	QPSK	1	1	23.42	23.48	23.36			
40	QPSK	1	108	23.33	23.44	23.30	24.0	0.0	
40	QPSK	1	214	23.25	23.40	23.25			
40	QPSK	108	0	22.28	22.37	22.31	23.0	1.0	
40	QPSK	108	54	23.33	23.39	23.26	24.0	0.0	
40	QPSK	108	108	22.29	22.44	22.29	23.0	1.0	
40	QPSK	216	0	22.37	22.46	22.39			
40	16QAM	1	1	22.40	22.48	22.33	23.0	1.0	
40	64QAM	1	1	21.10	21.17	21.03	21.5	2.5	
40	256QAM	1	1	19.15	19.29	19.21	19.5	4.5	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	PI/2 BPSK	1	1	23.34	23.41	23.31	24.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	PI/2 BPSK	1	1	23.36	23.37	23.30	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	23.30	23.34	23.24	24.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.36	23.39	23.25	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.28	23.32	23.27	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.29	23.40	23.31	24.0	0.0	

n66 Ant0									
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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	23.31	23.36	23.22			
40	PI/2 BPSK	1	108	23.32	23.39	23.24	24.0	0.0	
40	PI/2 BPSK	1	214	23.35	23.40	23.34			
40	PI/2 BPSK	108	0	22.72	22.78	22.74	23.5	0.5	
40	PI/2 BPSK	108	54	23.35	23.43	23.37	24.0	0.0	
40	PI/2 BPSK	108	108	22.85	22.95	22.82			
40	PI/2 BPSK	216	0	22.84	22.98	22.92	23.5	0.5	
40	QPSK	1	1	23.29	23.46	23.35			
40	QPSK	1	108	23.30	23.38	23.24	24.0	0.0	
40	QPSK	1	214	23.27	23.42	23.36			
40	QPSK	108	0	22.17	22.30	22.20	23.0	1.0	
40	QPSK	108	54	23.13	23.28	23.16	24.0	0.0	
40	QPSK	108	108	22.32	22.41	22.34	23.0	1.0	
40	QPSK	216	0	22.44	22.50	22.43			
40	16QAM	1	1	22.32	22.44	22.37	23.0	1.0	
40	64QAM	1	1	20.93	21.07	20.93	21.5	2.5	
40	256QAM	1	1	19.02	19.17	19.11	19.5	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	23.23	23.33	23.24	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.23	23.36	23.26	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.25	23.32	23.26	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.20	23.37	23.20	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.19	23.40	23.29	24.0	0.0	



n38 Ant0									
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			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.31	23.39	23.27			
40	PI/2 BPSK	1	53	23.34	23.42	23.30	24.0	0.0	
40	PI/2 BPSK	1	104	23.40	23.46	23.34			
40	PI/2 BPSK	50	0	22.75	22.91	22.79	23.5	0.5	
40	PI/2 BPSK	50	28	23.35	23.44	23.36	24.0	0.0	
40	PI/2 BPSK	50	56	22.78	22.94	22.85			
40	PI/2 BPSK	100	0	22.80	22.89	22.79	23.5	0.5	
40	QPSK	1	1	23.47	23.52	23.48			
40	QPSK	1	53	23.30	23.38	23.24	24.0	0.0	
40	QPSK	1	104	23.33	23.45	23.37			
40	QPSK	50	0	22.43	22.48	22.39	23.0	1.0	
40	QPSK	50	28	23.33	23.43	23.31	24.0	0.0	
40	QPSK	50	56	22.35	22.43	22.30			
40	QPSK	100	0	22.38	22.48	22.38	23.0	1.0	
40	16QAM	1	1	22.51	22.65	22.60	23.0	1.0	
40	64QAM	1	1	21.15	21.25	21.18	21.5	2.5	
40	256QAM	1	1	19.23	19.28	19.19	19.5	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.40	23.48	23.41	24.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.42	23.43	23.34	24.0	0.0	

n41 Ant0									
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	23.16	23.28	23.20			
100	PI/2 BPSK	1	137	23.24	23.35	23.26	24.0	0.0	
100	PI/2 BPSK	1	271	23.37	23.49	23.45			
100	PI/2 BPSK	135	0	22.67	22.76	22.69	23.5	0.5	
100	PI/2 BPSK	135	69	23.24	23.32	23.26	24.0	0.0	
100	PI/2 BPSK	135	138	22.80	22.86	22.79			
100	PI/2 BPSK	270	0	22.86	22.92	22.86	23.5	0.5	
100	QPSK	1	1	23.27	23.55	23.30			
100	QPSK	1	137	23.26	23.33	23.17	24.0	0.0	
100	QPSK	1	271	23.14	23.23	23.10			
100	QPSK	135	0	22.08	22.23	22.18	23.0	1.0	
100	QPSK	135	69	23.24	23.34	23.19	24.0	0.0	
100	QPSK	135	138	22.23	22.30	22.24			
100	QPSK	270	0	22.24	22.38	22.33	23.0	1.0	
100	16QAM	1	1	22.35	22.42	22.32	23.0	1.0	
100	64QAM	1	1	20.92	21.06	21.00	21.5	2.5	
100	256QAM	1	1	18.98	19.09	18.94	19.5	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.14	23.40	23.19	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.18	23.48	23.21	24.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.13	23.38	23.17	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.12	23.43	23.17	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.21	23.41	23.25	24.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.15	23.43	23.17	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.16	23.47	23.18	24.0	0.0	



n5 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	21.32	21.23	21.28	22.2	0.0	
20	PI/2 BPSK	1	53	21.02	21.01	20.99			
20	PI/2 BPSK	1	104	21.00	20.87	20.74			
20	PI/2 BPSK	50	0	21.11	21.21	21.18	22.2	0.0	
20	PI/2 BPSK	50	28	21.37	21.23	21.32	22.2	0.0	
20	PI/2 BPSK	50	56	21.23	21.18	21.31	22.2	0.0	
20	PI/2 BPSK	100	0	21.13	21.12	21.22			
20	QPSK	1	1	21.30	21.42	21.24			
20	QPSK	1	53	21.03	21.08	20.95	22.2	0.0	
20	QPSK	1	104	21.11	21.00	21.01			
20	QPSK	50	0	21.29	21.27	21.34			
20	QPSK	50	28	21.04	21.33	21.08	22.2	0.0	
20	QPSK	50	56	21.22	21.22	21.14	22.2	0.0	
20	QPSK	100	0	21.13	21.28	21.17			
20	16QAM	1	1	21.32	21.26	21.25			
20	64QAM	1	1	20.83	21.03	21.00	21.5	0.7	
20	256QAM	1	1	19.03	19.08	18.75	19.5	2.7	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	21.08	21.36	21.12	22.2	0.0	
Channel				165800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	21.29	21.35	21.20	22.2	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	21.31	21.32	21.01	22.2	0.0	

n7 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	16.31	16.33	16.33	17.3	0.0	
40	PI/2 BPSK	1	108	16.38	16.40	16.47			
40	PI/2 BPSK	1	214	16.22	16.46	16.28			
40	PI/2 BPSK	108	0	16.37	16.31	16.40	17.3	0.0	
40	PI/2 BPSK	108	54	16.48	16.47	16.34	17.3	0.0	
40	PI/2 BPSK	108	108	16.32	16.48	16.42	17.3	0.0	
40	PI/2 BPSK	216	0	16.47	16.45	16.41			
40	QPSK	1	1	16.48	16.55	16.49			
40	QPSK	1	108	16.53	16.45	15.38	17.3	0.0	
40	QPSK	1	214	16.36	16.48	16.28			
40	QPSK	108	0	16.39	16.36	16.37			
40	QPSK	108	54	16.27	16.41	16.39	17.3	0.0	
40	QPSK	108	108	16.24	16.25	16.30	17.3	0.0	
40	QPSK	216	0	16.38	16.48	16.40			
40	16QAM	1	1	16.24	16.39	16.46			
40	64QAM	1	1	16.25	16.23	16.27	17.3	0.0	
40	256QAM	1	1	16.18	16.26	16.45	17.3	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555			
30	PI/2 BPSK	1	1	16.31	16.35	16.45	#REF!	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5			
25	PI/2 BPSK	1	1	16.33	16.49	16.25	#REF!	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	16.52	16.38	16.50	17.3	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	16.34	16.55	16.52	17.3	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	16.40	16.39	16.26	#REF!	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	16.48	16.41	16.53	#REF!	0.0	



n66 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	17.28	17.17	17.11		
40	PI/2 BPSK	1	108	17.21	17.15	17.10	18.4	0.0
40	PI/2 BPSK	1	214	17.20	17.11	17.03		
40	PI/2 BPSK	108	0	17.26	17.23	17.21	18.4	0.0
40	PI/2 BPSK	108	54	17.29	17.19	17.26	18.4	0.0
40	PI/2 BPSK	108	108	17.17	17.22	17.19		
40	PI/2 BPSK	216	0	17.30	17.18	17.14	18.4	0.0
40	QPSK	1	1	17.33	17.38	17.25		
40	QPSK	1	108	17.16	17.20	17.11	18.4	0.0
40	QPSK	1	214	17.20	17.13	17.15		
40	QPSK	108	0	17.14	17.18	17.25	18.4	0.0
40	QPSK	108	54	17.18	17.27	17.21	18.4	0.0
40	QPSK	108	108	17.29	17.21	17.12		
40	QPSK	216	0	17.19	17.24	17.16	18.4	0.0
40	16QAM	1	1	17.22	17.22	17.18	18.4	0.0
40	64QAM	1	1	17.21	17.29	17.25	18.4	0.0
40	256QAM	1	1	17.16	17.25	17.35	18.4	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	17.17	17.32	17.29	18.4	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	17.24	17.31	17.08	18.4	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.13	17.21	17.26	#REF!	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.25	17.37	17.28	18.4	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.31	17.19	17.28	18.4	0.0



Par270 n77 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	17.26	17.31	17.36			
100	PI/2 BPSK	1	137	17.31	17.40	17.38	18.0	0.0	
100	PI/2 BPSK	1	271	17.23	17.05	17.16			
100	PI/2 BPSK	135	0	17.43	17.21	17.19	18.0	0.0	
100	PI/2 BPSK	135	69	17.40	17.32	17.32	18.0	0.0	
100	PI/2 BPSK	135	138	17.09	17.22	17.31			
100	PI/2 BPSK	270	0	17.40	17.32	17.30	18.0	0.0	
100	QPSK	1	1	17.41	17.44	17.34			
100	QPSK	1	137	17.28	17.23	17.22	18.0	0.0	
100	QPSK	1	271	17.05	17.13	17.23			
100	QPSK	135	0	17.10	17.26	17.16	18.0	0.0	
100	QPSK	135	69	17.23	17.38	17.33	18.0	0.0	
100	QPSK	135	138	17.15	17.18	17.22			
100	QPSK	270	0	17.21	17.33	17.29	18.0	0.0	
100	16QAM	1	1	17.10	17.06	17.16	18.0	0.0	
100	64QAM	1	1	17.06	17.19	17.18	18.0	0.0	
100	256QAM	1	1	17.02	17.05	17.10	18.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.11	17.15	17.37	18.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.00	17.09	17.16	18.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	17.24	17.35	17.33	18.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	17.13	17.24	17.35	18.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	17.03	17.29	17.25	18.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.16	17.14	17.15	18.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	17.05	17.35	17.12	18.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	17.01	17.14	17.27	18.0	0.0	

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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									
Frequency (MHz)					633334				
100	PI/2 BPSK	1	1		17.40				
100	PI/2 BPSK	1	137		17.39		18.0	0.0	
100	PI/2 BPSK	1	271		17.36				
100	PI/2 BPSK	135	0		17.38		18.0	0.0	
100	PI/2 BPSK	135	69		17.35		18.0	0.0	
100	PI/2 BPSK	135	138		17.47				
100	PI/2 BPSK	270	0		17.40		18.0	0.0	
100	QPSK	1	1		17.48				
100	QPSK	1	137		17.41		18.0	0.0	
100	QPSK	1	271		17.17				
100	QPSK	135	0		17.37		18.0	0.0	
100	QPSK	135	69		17.42		18.0	0.0	
100	QPSK	135	138		17.37				
100	QPSK	270	0		17.36		18.0	0.0	
100	16QAM	1	1		17.36		18.0	0.0	
100	64QAM	1	1		17.38		18.0	0.0	
100	256QAM	1	1		17.09		18.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	17.03	17.16	17.27	18.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	17.25	17.33	17.09	18.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	17.00	17.09	17.13	18.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	17.08	17.24	17.35	18.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	17.04	17.10	17.32	18.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	17.00	17.20	17.16	18.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	17.01	17.10	17.11	18.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	17.24	17.32	17.18	18.0	0.0	



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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	17.61			18.0	0.0
100	PI/2 BPSK	1	137	17.60				
100	PI/2 BPSK	1	271	17.64				
100	PI/2 BPSK	135	0	17.56			18.0	0.0
100	PI/2 BPSK	135	69	17.56			18.0	0.0
100	PI/2 BPSK	135	138	17.63				
100	PI/2 BPSK	270	0	17.57			18.0	0.0
100	QPSK	1	1	17.68				
100	QPSK	1	137	17.54			18.0	0.0
100	QPSK	1	271	17.67				
100	QPSK	135	0	17.52			18.0	0.0
100	QPSK	135	69	17.62			18.0	0.0
100	QPSK	135	138	17.59			18.0	0.0
100	QPSK	270	0	17.57				
100	16QAM	1	1	17.65			18.0	0.0
100	64QAM	1	1	17.63			18.0	0.0
100	256QAM	1	1	17.54			18.0	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	18.0	0.0
90	QPSK	1	1	17.55	17.65	17.60	18.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	18.0	0.0
80	QPSK	1	1	17.50	17.67	17.53	18.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	18.0	0.0
70	QPSK	1	1	17.47	17.59	17.49	18.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	18.0	0.0
60	QPSK	1	1	17.59	17.64	17.59	18.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	18.0	0.0
50	QPSK	1	1	17.53	17.57	17.54	18.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	18.0	0.0
40	QPSK	1	1	17.49	17.59	17.57	18.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	18.0	0.0
30	QPSK	1	1	17.51	17.47	17.63	18.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	18.0	0.0
20	QPSK	1	1	17.55	17.50	17.61	18.0	0.0

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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					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	17.67			18.0	0.0
100	PI/2 BPSK	1	137	17.67				
100	PI/2 BPSK	1	271	17.63				
100	PI/2 BPSK	135	0	17.59			18.0	0.0
100	PI/2 BPSK	135	69	17.50			18.0	0.0
100	PI/2 BPSK	135	138	17.50				
100	PI/2 BPSK	270	0	17.59			18.0	0.0
100	QPSK	1	1	17.69				
100	QPSK	1	137	17.56			18.0	0.0
100	QPSK	1	271	17.66				
100	QPSK	135	0	17.56			18.0	0.0
100	QPSK	135	69	17.67			18.0	0.0
100	QPSK	135	138	17.49			18.0	0.0
100	QPSK	270	0	17.52				
100	16QAM	1	1	17.52			18.0	0.0
100	64QAM	1	1	17.57			18.0	0.0
100	256QAM	1	1	17.59			18.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	18.0	0.0
90	QPSK	1	1	17.64	17.67	17.51	18.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510.01	18.0	0.0
80	QPSK	1	1	17.68	17.68	17.58	18.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	18.0	0.0
70	QPSK	1	1	17.65	17.65	17.52	18.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	18.0	0.0
60	QPSK	1	1	17.60	17.67	17.47	18.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	18.0	0.0
50	QPSK	1	1	17.53	17.66	17.56	18.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	18.0	0.0
40	QPSK	1	1	17.51	17.65	17.47	18.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	18.0	0.0
30	QPSK	1	1	17.59	17.58	17.61	18.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	18.0	0.0
20	QPSK	1	1	17.58	17.61	17.67	18.0	0.0



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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	15.35				
100	PI/2 BPSK	1	137	15.41			16.0	0.0
100	PI/2 BPSK	1	271	15.38				
100	PI/2 BPSK	135	0	15.33			16.0	0.0
100	PI/2 BPSK	135	69	15.47			16.0	0.0
100	PI/2 BPSK	135	138	15.43				
100	PI/2 BPSK	270	0	15.37			16.0	0.0
100	QPSK	1	1	15.54				
100	QPSK	1	137	15.33			16.0	0.0
100	QPSK	1	271	15.21				
100	QPSK	135	0	15.42			16.0	0.0
100	QPSK	135	69	15.51			16.0	0.0
100	QPSK	135	138	15.41			16.0	0.0
100	QPSK	270	0	15.49				
100	16QAM	1	1	15.47			16.0	0.0
100	64QAM	1	1	15.42			16.0	0.0
100	256QAM	1	1	15.45			16.0	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	15.33	15.40	15.42	16.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	15.34	15.42	15.37	16.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	15.31	15.37	15.37	16.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	15.46	15.36	15.34	16.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	15.48	15.45	15.46	16.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	15.42	15.39	15.37	16.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	15.42	15.33	15.41	16.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	15.31	15.38	15.36	16.0	0.0

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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				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	15.21				
100	PI/2 BPSK	1	137	15.47			16.0	0.0
100	PI/2 BPSK	1	271	15.36				
100	PI/2 BPSK	135	0	15.49			16.0	0.0
100	PI/2 BPSK	135	69	15.43			16.0	0.0
100	PI/2 BPSK	135	138	15.46				
100	PI/2 BPSK	270	0	15.28			16.0	0.0
100	QPSK	1	1	15.53				
100	QPSK	1	137	15.32			16.0	0.0
100	QPSK	1	271	15.19				
100	QPSK	135	0	15.30			16.0	0.0
100	QPSK	135	69	15.51			16.0	0.0
100	QPSK	135	138	15.32			16.0	0.0
100	QPSK	270	0	15.50				
100	16QAM	1	1	15.33			16.0	0.0
100	64QAM	1	1	15.39			16.0	0.0
100	256QAM	1	1	15.42			16.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	15.32	15.46	15.44	16.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510.01	(dBm)	(dB)
80	QPSK	1	1	15.37	15.29	15.50	16.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	15.38	15.35	15.39	16.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	15.49	15.43	15.47	16.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	15.28	15.48	15.40	16.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	15.45	15.48	15.30	16.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	15.39	15.44	15.44	16.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	15.32	15.34	15.41	16.0	0.0



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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	16.85			17.5	0.0
100	PI/2 BPSK	1	137	16.98				
100	PI/2 BPSK	1	271	16.88				
100	PI/2 BPSK	135	0	16.83			17.5	0.0
100	PI/2 BPSK	135	69	16.94			17.5	0.0
100	PI/2 BPSK	135	138	16.85			17.5	0.0
100	PI/2 BPSK	270	0	16.83				
100	QPSK	1	1	17.06			17.5	0.0
100	QPSK	1	137	16.70				
100	QPSK	1	271	16.81				
100	QPSK	135	0	16.85			17.5	0.0
100	QPSK	135	69	17.02			17.5	0.0
100	QPSK	135	138	16.88			17.5	0.0
100	QPSK	270	0	17.01				
100	16QAM	1	1	16.83			17.5	0.0
100	64QAM	1	1	16.98			17.5	0.0
100	256QAM	1	1	16.96			17.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.89	17.02	16.90	17.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.85	16.99	16.93	17.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.99	16.86	16.96	17.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.93	16.95	16.78	17.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.85	16.94	16.91	17.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.94	16.95	16.78	17.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.00	16.90	16.95	17.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.86	16.99	17.00	17.5	0.0

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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				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	16.93			17.5	0.0
100	PI/2 BPSK	1	137	16.89				
100	PI/2 BPSK	1	271	16.92				
100	PI/2 BPSK	135	0	16.94			17.5	0.0
100	PI/2 BPSK	135	69	16.92			17.5	0.0
100	PI/2 BPSK	135	138	16.93			17.5	0.0
100	PI/2 BPSK	270	0	16.85				
100	QPSK	1	1	17.01			17.5	0.0
100	QPSK	1	137	16.91				
100	QPSK	1	271	16.77				
100	QPSK	135	0	16.92			17.5	0.0
100	QPSK	135	69	16.98			17.5	0.0
100	QPSK	135	138	16.85			17.5	0.0
100	QPSK	270	0	17.00				
100	16QAM	1	1	16.77			17.5	0.0
100	64QAM	1	1	16.93			17.5	0.0
100	256QAM	1	1	16.83			17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.89	16.90	16.91	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510.01		
80	QPSK	1	1	16.76	16.89	16.81	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.80	16.76	16.79	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.73	16.81	16.85	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.92	16.94	16.82	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.73	16.80	16.73	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.85	16.95	16.88	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.94	16.79	16.74	17.5	0.0



Part270 n78 Ant7									
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		22.54				
100	PI/2 BPSK	1	137		22.77		24.0	0.0	
100	PI/2 BPSK	1	271		22.66				
100	PI/2 BPSK	135	0		22.68		24.0	0.0	
100	PI/2 BPSK	135	69		22.70		24.0	0.0	
100	PI/2 BPSK	135	138		22.66				
100	PI/2 BPSK	270	0		22.71		24.0	0.0	
100	QPSK	1	1		22.83				
100	QPSK	1	137		22.74		24.0	0.0	
100	QPSK	1	271		22.69				
100	QPSK	135	0		22.74		24.0	0.0	
100	QPSK	135	69		22.71		24.0	0.0	
100	QPSK	135	138		22.68				
100	QPSK	270	0		22.72		24.0	0.0	
100	16QAM	1	1		22.77		24.0	0.0	
100	64QAM	1	1		22.58		24.0	0.0	
100	256QAM	1	1		21.40		22.5	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.75	22.77	22.74	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		22.78	22.75	22.76	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.76	22.74	22.73	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.71	22.78	22.79	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.68	22.67	22.75	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.74	22.72	22.77	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		22.76	22.73	22.78	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		22.70	22.76	22.72	24.0	0.0

Part270 n78 PC2 Ant7									
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		25.70				
100	PI/2 BPSK	1	137		25.67		27.0	0.0	
100	PI/2 BPSK	1	271		25.76				
100	PI/2 BPSK	135	0		25.17		26.5	0.5	
100	PI/2 BPSK	135	69		25.73		27.0	0.0	
100	PI/2 BPSK	135	138		25.16				
100	PI/2 BPSK	270	0		25.19		26.5	0.5	
100	QPSK	1	1		25.79				
100	QPSK	1	137		25.74		27.0	0.0	
100	QPSK	1	271		25.70				
100	QPSK	135	0		24.66		26.0	1.0	
100	QPSK	135	69		25.71		27.0	0.0	
100	QPSK	135	138		24.69				
100	QPSK	270	0		24.63		26.0	1.0	
100	16QAM	1	1		24.79		26.0	1.0	
100	64QAM	1	1		23.43		24.5	2.5	
100	256QAM	1	1		21.46		22.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.66	25.67	25.71	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.73	25.65	25.70	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.66	25.65	25.67	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		25.69	25.70	25.74	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.74	25.66	25.74	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.74	25.74	25.72	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		25.67	25.70	25.73	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		25.69	25.74	25.65	27.0	0.0



Part27Q 78 Ant7									
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		22.66				
100	PI/2 BPSK	1	137		22.74		24.0	0.0	
100	PI/2 BPSK	1	271		22.78				
100	PI/2 BPSK	135	0		22.73		24.0	0.0	
100	PI/2 BPSK	135	69		22.81		24.0	0.0	
100	PI/2 BPSK	135	138		22.73				
100	PI/2 BPSK	270	0		22.76		24.0	0.0	
100	QPSK	1	1		22.90				
100	QPSK	1	137		22.84		24.0	0.0	
100	QPSK	1	271		22.79				
100	QPSK	135	0		22.74		24.0	0.0	
100	QPSK	135	69		22.80		24.0	0.0	
100	QPSK	135	138		22.73		24.0	0.0	
100	QPSK	270	0		22.79				
100	16QAM	1	1		22.64		24.0	0.0	
100	64QAM	1	1		22.86		24.0	0.0	
100	256QAM	1	1		21.54		22.5	1.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		22.82	22.75	22.81	24.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		22.76	22.79	22.85	24.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		22.83	22.86	22.85	24.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		22.81	22.74	22.76	24.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		22.81	22.80	22.84	24.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		22.82	22.82	22.84	24.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		22.84	22.77	22.78	24.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		22.82	22.84	22.79	24.0	0.0

Part27Q 78 PC2 Ant7									
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		25.70				
100	PI/2 BPSK	1	137		25.66		27.0	0.0	
100	PI/2 BPSK	1	271		25.80				
100	PI/2 BPSK	135	0		25.25		26.5	0.5	
100	PI/2 BPSK	135	69		25.77		27.0	0.0	
100	PI/2 BPSK	135	138		25.21				
100	PI/2 BPSK	270	0		25.28		26.5	0.5	
100	QPSK	1	1		25.81				
100	QPSK	1	137		25.65		27.0	0.0	
100	QPSK	1	271		25.76				
100	QPSK	135	0		24.32		26.0	1.0	
100	QPSK	135	69		25.51		27.0	0.0	
100	QPSK	135	138		24.75		26.0	1.0	
100	QPSK	270	0		24.58				
100	16QAM	1	1		24.30		26.0	1.0	
100	64QAM	1	1		23.05		24.5	2.5	
100	256QAM	1	1		21.47		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		25.76	25.73	25.71	27.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		25.71	25.66	25.71	27.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		25.69	25.72	25.68	27.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		25.73	25.66	25.72	27.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		25.75	25.69	25.70	27.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		25.67	25.69	25.77	27.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		25.68	25.77	25.71	27.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		25.67	25.71	25.67	27.0	0.0



Reduced Power Mode for 5GNR DSI 2-Simultaneous

n7 Ant0										
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				504000	507000	510000				
Frequency (MHz)				2520	2535	2550				
40	PI/2 BPSK	1	1	23.36	23.41	23.31	24.0	0.0		
40	PI/2 BPSK	1	108	23.21	23.36	23.26				
40	PI/2 BPSK	1	214	23.29	23.43	23.28				
40	PI/2 BPSK	108	0	22.76	22.85	22.79	23.5	0.5		
40	PI/2 BPSK	108	54	23.31	23.38	23.33	24.0	0.0		
40	PI/2 BPSK	108	108	22.81	22.93	22.80	23.5	0.5		
40	PI/2 BPSK	216	0	22.81	22.96	22.89				
40	QPSK	1	1	23.42	23.48	23.36				
40	QPSK	1	108	23.33	23.44	23.30	24.0	0.0		
40	QPSK	1	214	23.25	23.40	23.25				
40	QPSK	108	0	22.28	22.37	22.31				
40	QPSK	108	54	23.33	23.39	23.26	24.0	0.0		
40	QPSK	108	108	22.29	22.44	22.29	23.0	1.0		
40	QPSK	216	0	22.37	22.46	22.39				
40	16QAM	1	1	22.40	22.48	22.33				
40	64QAM	1	1	21.10	21.17	21.03	21.5	2.5		
40	256QAM	1	1	19.15	19.29	19.21	19.5	4.5		
Channel				503000	507000	511000	Tune-up limit	MPR		
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)		
30	PI/2 BPSK	1	1	23.34	23.41	23.31	24.0	0.0		
Channel				502500	507000	511500	Tune-up limit	MPR		
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)		
25	PI/2 BPSK	1	1	23.36	23.37	23.30	24.0	0.0		
Channel				502000	507000	512000	Tune-up limit	MPR		
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)		
20	QPSK	1	1	23.30	23.34	23.24	24.0	0.0		
Channel				501500	507000	512500	Tune-up limit	MPR		
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)		
15	QPSK	1	1	23.36	23.39	23.25	24.0	0.0		
Channel				501000	507000	513000	Tune-up limit	MPR		
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)		
10	QPSK	1	1	23.28	23.32	23.27	24.0	0.0		
Channel				500500	507000	513500	Tune-up limit	MPR		
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)		
5	QPSK	1	1	23.29	23.40	23.31	24.0	0.0		

n66 Ant0										
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				348000	349000	352000				
Frequency (MHz)				1740	1745	1760				
40	PI/2 BPSK	1	1	23.31	23.36	23.22	24.0	0.0		
40	PI/2 BPSK	1	108	23.32	23.39	23.24				
40	PI/2 BPSK	1	214	23.35	23.40	23.34				
40	PI/2 BPSK	108	0	22.72	22.78	22.74	23.5	0.5		
40	PI/2 BPSK	108	54	23.35	23.43	23.37	24.0	0.0		
40	PI/2 BPSK	108	108	22.85	22.95	22.82	23.5	0.5		
40	PI/2 BPSK	216	0	22.84	22.98	22.92				
40	QPSK	1	1	23.29	23.48	23.35				
40	QPSK	1	108	23.30	23.38	23.24	24.0	0.0		
40	QPSK	1	214	23.27	23.42	23.36				
40	QPSK	108	0	22.17	22.30	22.20				
40	QPSK	108	54	23.13	23.28	23.16	24.0	0.0		
40	QPSK	108	108	22.32	22.41	22.34	23.0	1.0		
40	QPSK	216	0	22.44	22.50	22.43				
40	16QAM	1	1	22.32	22.44	22.37				
40	64QAM	1	1	20.93	21.07	20.93	21.5	2.5		
40	256QAM	1	1	19.02	19.17	19.11	19.5	4.5		
Channel				345000	349000	353000	Tune-up limit	MPR		
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)		
30	PI/2 BPSK	1	1	23.23	23.33	23.24	24.0	0.0		
Channel				344000	349000	354000	Tune-up limit	MPR		
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)		
20	QPSK	1	1	23.23	23.36	23.26	24.0	0.0		
Channel				343500	349000	354500	Tune-up limit	MPR		
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)		
15	QPSK	1	1	23.25	23.32	23.26	24.0	0.0		
Channel				343000	349000	355000	Tune-up limit	MPR		
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)		
10	QPSK	1	1	23.20	23.37	23.20	24.0	0.0		
Channel				342500	349000	355500	Tune-up limit	MPR		
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)		
5	QPSK	1	1	23.19	23.40	23.29	24.0	0.0		



n38 Ant0									
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			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	23.31	23.39	23.27			
40	PI/2 BPSK	1	53	23.34	23.42	23.30	24.0	0.0	
40	PI/2 BPSK	1	104	23.40	23.46	23.34			
40	PI/2 BPSK	50	0	22.75	22.91	22.79	23.5	0.5	
40	PI/2 BPSK	50	28	23.35	23.44	23.36	24.0	0.0	
40	PI/2 BPSK	50	56	22.78	22.94	22.85			
40	PI/2 BPSK	100	0	22.80	22.89	22.79	23.5	0.5	
40	QPSK	1	1	23.47	23.52	23.48			
40	QPSK	1	53	23.30	23.38	23.24	24.0	0.0	
40	QPSK	1	104	23.33	23.45	23.37			
40	QPSK	50	0	22.43	22.48	22.39	23.0	1.0	
40	QPSK	50	28	23.33	23.43	23.31	24.0	0.0	
40	QPSK	50	56	22.35	22.43	22.30			
40	QPSK	100	0	22.38	22.48	22.38	23.0	1.0	
40	16QAM	1	1	22.51	22.65	22.60	23.0	1.0	
40	64QAM	1	1	21.15	21.25	21.18	21.5	2.5	
40	256QAM	1	1	19.23	19.28	19.19	19.5	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.40	23.48	23.41	24.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	23.42	23.43	23.34	24.0	0.0	

n41 Ant0									
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)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.16	23.28	23.20			
100	PI/2 BPSK	1	137	23.24	23.35	23.26	24.0	0.0	
100	PI/2 BPSK	1	271	23.37	23.49	23.45			
100	PI/2 BPSK	135	0	22.67	22.76	22.69	23.5	0.5	
100	PI/2 BPSK	135	69	23.24	23.32	23.26	24.0	0.0	
100	PI/2 BPSK	135	138	22.80	22.86	22.79			
100	PI/2 BPSK	270	0	22.86	22.92	22.86	23.5	0.5	
100	QPSK	1	1	23.27	23.55	23.30			
100	QPSK	1	137	23.26	23.33	23.17	24.0	0.0	
100	QPSK	1	271	23.14	23.23	23.10			
100	QPSK	135	0	22.08	22.23	22.18	23.0	1.0	
100	QPSK	135	69	23.24	23.34	23.19	24.0	0.0	
100	QPSK	135	138	22.23	22.30	22.24			
100	QPSK	270	0	22.24	22.38	22.33	23.0	1.0	
100	16QAM	1	1	22.35	22.42	22.32	23.0	1.0	
100	64QAM	1	1	20.92	21.06	21.00	21.5	2.5	
100	256QAM	1	1	18.98	19.09	18.94	19.5	4.5	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.14	23.40	23.19	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	23.18	23.48	23.21	24.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.13	23.38	23.17	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	23.12	23.43	23.17	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	23.21	23.41	23.25	24.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.15	23.43	23.17	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.16	23.47	23.18	24.0	0.0	



n5 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	20.24	20.31	20.28	21.2	0.0	
20	PI/2 BPSK	1	53	20.17	20.22	20.26			
20	PI/2 BPSK	1	104	20.20	20.36	20.24			
20	PI/2 BPSK	50	0	20.20	20.14	20.15	21.2	0.0	
20	PI/2 BPSK	50	28	20.24	20.17	20.28	21.2	0.0	
20	PI/2 BPSK	50	56	20.17	20.18	20.13	21.2	0.0	
20	PI/2 BPSK	100	0	20.13	20.33	20.28			
20	QPSK	1	1	20.31	20.36	20.33			
20	QPSK	1	53	20.24	20.28	20.22	21.2	0.0	
20	QPSK	1	104	20.20	20.19	20.11			
20	QPSK	50	0	20.27	20.30	20.30			
20	QPSK	50	28	20.19	20.28	20.13	21.2	0.0	
20	QPSK	50	56	20.12	20.17	20.13	21.2	0.0	
20	QPSK	100	0	20.16	20.30	20.27			
20	16QAM	1	1	20.23	20.34	20.21			
20	64QAM	1	1	20.27	20.17	20.15	21.2	0.0	
20	256QAM	1	1	18.69	18.64	18.72	19.5	1.7	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	21.2	0.0	
15	QPSK	1	1	20.13	20.28	20.17	21.2	0.0	
Channel				165800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	21.2	0.0	
10	QPSK	1	1	20.19	20.18	20.25	21.2	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	21.2	0.0	
5	QPSK	1	1	20.10	20.23	20.21	21.2	0.0	

n7 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	15.44	15.52	15.42	16.3	0.0	
40	PI/2 BPSK	1	108	15.40	15.56	15.48			
40	PI/2 BPSK	1	214	15.44	15.39	15.39			
40	PI/2 BPSK	108	0	15.42	15.42	15.28	16.3	0.0	
40	PI/2 BPSK	108	54	15.53	15.51	15.46	16.3	0.0	
40	PI/2 BPSK	108	108	15.39	15.52	15.46	16.3	0.0	
40	PI/2 BPSK	216	0	15.40	15.50	15.40			
40	QPSK	1	1	15.55	15.57	15.50			
40	QPSK	1	108	15.38	15.38	15.35	16.3	0.0	
40	QPSK	1	214	15.45	15.44	15.37			
40	QPSK	108	0	15.44	15.40	15.36			
40	QPSK	108	54	15.50	15.52	15.35	16.3	0.0	
40	QPSK	108	108	15.43	15.48	15.34	16.3	0.0	
40	QPSK	216	0	15.54	15.56	15.48			
40	16QAM	1	1	15.40	15.39	15.40			
40	64QAM	1	1	15.55	15.40	15.48	16.3	0.0	
40	256QAM	1	1	15.51	15.45	15.48	16.3	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	21.2	0.0	
30	PI/2 BPSK	1	1	15.34	15.36	15.28	16.3	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	21.2	0.0	
25	PI/2 BPSK	1	1	15.41	15.55	15.32	16.3	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	21.2	0.0	
20	QPSK	1	1	15.39	15.39	15.31	16.3	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	21.2	0.0	
15	QPSK	1	1	15.37	15.48	15.51	16.3	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	21.2	0.0	
10	QPSK	1	1	15.56	15.55	15.47	16.3	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	21.2	0.0	
5	QPSK	1	1	15.46	15.54	15.42	16.3	0.0	



n66 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	16.19	16.07	16.05		
40	PI/2 BPSK	1	108	15.99	16.20	16.12	17.4	0.0
40	PI/2 BPSK	1	214	16.08	16.09	16.14		
40	PI/2 BPSK	108	0	16.20	16.18	16.04	17.4	0.0
40	PI/2 BPSK	108	54	16.14	16.19	16.04	17.4	0.0
40	PI/2 BPSK	108	108	16.07	16.14	16.18		
40	PI/2 BPSK	216	0	16.03	16.07	16.07	17.4	0.0
40	QPSK	1	1	16.20	16.21	16.18		
40	QPSK	1	108	16.11	15.99	16.01	17.4	0.0
40	QPSK	1	214	16.07	16.09	16.13		
40	QPSK	108	0	16.17	16.09	16.20	17.4	0.0
40	QPSK	108	54	16.11	16.15	16.14	17.4	0.0
40	QPSK	108	108	16.16	16.03	16.01		
40	QPSK	216	0	15.99	16.20	16.18	17.4	0.0
40	16QAM	1	1	16.03	16.17	16.04	17.4	0.0
40	64QAM	1	1	16.12	16.10	15.97	17.4	0.0
40	256QAM	1	1	16.05	16.19	16.04	17.4	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	16.11	16.17	16.07	17.4	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.13	16.12	16.16	17.4	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.15	16.09	16.10	17.4	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.00	16.20	16.05	17.4	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.19	16.00	16.12	17.4	0.0



Par270 n77 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	16.37	16.50	16.28			
100	PI/2 BPSK	1	137	16.22	16.52	16.30	17.0	0.0	
100	PI/2 BPSK	1	271	16.26	16.57	16.44			
100	PI/2 BPSK	135	0	16.40	16.44	16.35	17.0	0.0	
100	PI/2 BPSK	135	69	16.38	16.37	16.51	17.0	0.0	
100	PI/2 BPSK	135	138	16.40	16.54	16.45			
100	PI/2 BPSK	270	0	16.21	16.51	16.30	17.0	0.0	
100	QPSK	1	1	16.41	16.58	16.49			
100	QPSK	1	137	16.28	16.47	16.36	17.0	0.0	
100	QPSK	1	271	16.28	16.47	16.29			
100	QPSK	135	0	16.26	16.37	16.29	17.0	0.0	
100	QPSK	135	69	16.29	16.49	16.30	17.0	0.0	
100	QPSK	135	138	16.33	16.39	16.44			
100	QPSK	270	0	16.30	16.47	16.43	17.0	0.0	
100	16QAM	1	1	16.38	16.51	16.31	17.0	0.0	
100	64QAM	1	1	16.43	16.45	16.34	17.0	0.0	
100	256QAM	1	1	16.37	16.41	16.38	17.0	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	16.22	16.46	16.46	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	16.34	16.49	16.34	17.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	16.25	16.42	16.32	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	16.19	16.50	16.40	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	16.24	16.54	16.37	17.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	16.34	16.39	16.47	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	16.37	16.42	16.49	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	16.38	16.37	16.43	17.0	0.0	

Part27Q n77 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		16.62				
100	PI/2 BPSK	1	137		16.56		17.0	0.0	
100	PI/2 BPSK	1	271		16.56				
100	PI/2 BPSK	135	0		16.52		17.0	0.0	
100	PI/2 BPSK	135	69		16.56		17.0	0.0	
100	PI/2 BPSK	135	138		16.48				
100	PI/2 BPSK	270	0		16.57		17.0	0.0	
100	QPSK	1	1		16.66				
100	QPSK	1	137		16.49		17.0	0.0	
100	QPSK	1	271		16.54				
100	QPSK	135	0		16.60		17.0	0.0	
100	QPSK	135	69		16.61		17.0	0.0	
100	QPSK	135	138		16.57				
100	QPSK	270	0		16.51		17.0	0.0	
100	16QAM	1	1		16.51		17.0	0.0	
100	64QAM	1	1		16.51		17.0	0.0	
100	256QAM	1	1		16.57		17.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	16.43	16.58	16.43	17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	16.59	16.40	16.41	17.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	16.53	16.57	16.46	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	16.43	16.50	16.51	17.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	16.39	16.44	16.50	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	1	16.40	16.45	16.56	17.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	16.60	16.48	16.45	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	16.55	16.41	16.42	17.0	0.0	



Part27O n78 Ant2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		16.44				
100	PI/2 BPSK	1	137		16.52		17.0	0.0	
100	PI/2 BPSK	1	271		16.57				
100	PI/2 BPSK	135	0		16.52		17.0	0.0	
100	PI/2 BPSK	135	69		16.43		17.0	0.0	
100	PI/2 BPSK	135	138		16.51				
100	PI/2 BPSK	270	0		16.63		17.0	0.0	
100	QPSK	1	1		16.64				
100	QPSK	1	137		16.61		17.0	0.0	
100	QPSK	1	271		16.58				
100	QPSK	135	0		16.58		17.0	0.0	
100	QPSK	135	69		16.60		17.0	0.0	
100	QPSK	135	138		16.53		17.0	0.0	
100	QPSK	270	0		16.49				
100	16QAM	1	1		16.58		17.0	0.0	
100	64QAM	1	1		16.57		17.0	0.0	
100	256QAM	1	1		16.60		17.0	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		16.61	16.45	16.47	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		16.48	16.52	16.52	17.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		16.51	16.56	16.45	17.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		16.51	16.46	16.54	17.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		16.56	16.44	16.52	17.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		16.43	16.48	16.47	17.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		16.44	16.60	16.49	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		16.63	16.54	16.41	17.0	0.0

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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				633000	633334	633668			
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI/2 BPSK	1	1		16.65				
100	PI/2 BPSK	1	137		16.68		17.0	0.0	
100	PI/2 BPSK	1	271		16.57				
100	PI/2 BPSK	135	0		16.66		17.0	0.0	
100	PI/2 BPSK	135	69		16.70		17.0	0.0	
100	PI/2 BPSK	135	138		16.55				
100	PI/2 BPSK	270	0		16.59		17.0	0.0	
100	QPSK	1	1		16.72				
100	QPSK	1	137		16.50		17.0	0.0	
100	QPSK	1	271		16.68				
100	QPSK	135	0		16.63		17.0	0.0	
100	QPSK	135	69		16.68		17.0	0.0	
100	QPSK	135	138		16.65		17.0	0.0	
100	QPSK	270	0		16.65				
100	16QAM	1	1		16.72		17.0	0.0	
100	64QAM	1	1		16.69		17.0	0.0	
100	256QAM	1	1		16.69		17.0	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		16.46	16.43	16.45	17.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510.01	(dBm)	(dB)	
80	QPSK	1	1		16.63	16.47	16.49	17.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		16.41	16.43	16.45	17.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		16.53	16.58	16.44	17.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525.02	(dBm)	(dB)	
50	QPSK	1	1		16.59	16.57	16.48	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	1		16.44	16.56	16.58	17.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		16.44	16.62	16.58	17.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		16.56	16.54	16.54	17.0	0.0



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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	14.34			15.0	0.0
100	PI/2 BPSK	1	137	14.51				
100	PI/2 BPSK	1	271	14.40				
100	PI/2 BPSK	135	0	14.48			15.0	0.0
100	PI/2 BPSK	135	69	14.38			15.0	0.0
100	PI/2 BPSK	135	138	14.34				
100	PI/2 BPSK	270	0	14.44			15.0	0.0
100	QPSK	1	1	14.54				
100	QPSK	1	137	14.28			15.0	0.0
100	QPSK	1	271	14.27				
100	QPSK	135	0	14.48			15.0	0.0
100	QPSK	135	69	14.54			15.0	0.0
100	QPSK	135	138	14.32			15.0	0.0
100	QPSK	270	0	14.52				
100	16QAM	1	1	14.49			15.0	0.0
100	64QAM	1	1	14.36			15.0	0.0
100	256QAM	1	1	14.29			15.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	14.33	14.39	14.43	15.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	14.39	14.32	14.40	15.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	14.30	14.20	14.20	15.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	14.33	14.24	14.42	15.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	14.25	14.37	14.41	15.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	14.23	14.36	14.20	15.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	14.32	14.38	14.29	15.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	14.29	14.20	14.32	15.0	0.0

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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				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	14.32			15.0	0.0
100	PI/2 BPSK	1	137	14.35				
100	PI/2 BPSK	1	271	14.30				
100	PI/2 BPSK	135	0	14.30			15.0	0.0
100	PI/2 BPSK	135	69	14.47			15.0	0.0
100	PI/2 BPSK	135	138	14.31				
100	PI/2 BPSK	270	0	14.25			15.0	0.0
100	QPSK	1	1	14.54				
100	QPSK	1	137	14.30			15.0	0.0
100	QPSK	1	271	14.29				
100	QPSK	135	0	14.34			15.0	0.0
100	QPSK	135	69	14.53			15.0	0.0
100	QPSK	135	138	14.53			15.0	0.0
100	QPSK	270	0	14.50				
100	16QAM	1	1	14.45			15.0	0.0
100	64QAM	1	1	14.40			15.0	0.0
100	256QAM	1	1	14.31			15.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.48	14.46	14.50	15.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510.01		
80	QPSK	1	1	14.40	14.49	14.45	15.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	14.38	14.39	14.42	15.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	14.43	14.46	14.44	15.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.43	14.47	14.42	15.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.42	14.37	14.50	15.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.19	14.42	14.46	15.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.46	14.40	14.47	15.0	0.0



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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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		15.85				
100	PI/2 BPSK	1	137		16.01		16.5	0.0	
100	PI/2 BPSK	1	271		15.93				
100	PI/2 BPSK	135	0		15.87		16.5	0.0	
100	PI/2 BPSK	135	69		15.84		16.5	0.0	
100	PI/2 BPSK	135	138		15.89				
100	PI/2 BPSK	270	0		15.91		16.5	0.0	
100	QPSK	1	1		16.08				
100	QPSK	1	137		15.86		16.5	0.0	
100	QPSK	1	271		15.74				
100	QPSK	135	0		15.79		16.5	0.0	
100	QPSK	135	69		16.05		16.5	0.0	
100	QPSK	135	138		15.78		16.5	0.0	
100	QPSK	270	0		16.03				
100	16QAM	1	1		15.94		16.5	0.0	
100	64QAM	1	1		15.86		16.5	0.0	
100	256QAM	1	1		15.78		16.5	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		15.75	15.90	16.5	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		15.71	15.77	15.82	16.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		15.80	15.77	15.72	16.5	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		15.94	15.73	15.90	16.5	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		15.73	15.68	15.94	16.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		15.89	15.83	15.82	16.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		15.94	15.79	15.81	16.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		15.80	15.86	15.72	16.5	0.0

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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				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
100	PI/2 BPSK	1	1		15.74				
100	PI/2 BPSK	1	137		16.01		16.5	0.0	
100	PI/2 BPSK	1	271		15.92				
100	PI/2 BPSK	135	0		16.01		16.5	0.0	
100	PI/2 BPSK	135	69		15.85		16.5	0.0	
100	PI/2 BPSK	135	138		15.89				
100	PI/2 BPSK	270	0		15.79		16.5	0.0	
100	QPSK	1	1		16.05				
100	QPSK	1	137		15.76		16.5	0.0	
100	QPSK	1	271		15.69				
100	QPSK	135	0		16.01		16.5	0.0	
100	QPSK	135	69		16.03		16.5	0.0	
100	QPSK	135	138		15.79		16.5	0.0	
100	QPSK	270	0		16.03				
100	16QAM	1	1		15.83		16.5	0.0	
100	64QAM	1	1		15.93		16.5	0.0	
100	256QAM	1	1		15.90		16.5	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		15.90	16.00	15.99	16.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510.01	(dBm)	(dB)	
80	QPSK	1	1		15.96	15.93	15.94	16.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		15.82	16.01	15.90	16.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		15.91	15.88	15.90	16.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525.02	(dBm)	(dB)	
50	QPSK	1	1		15.91	15.82	16.02	16.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		15.95	15.88	15.94	16.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		15.87	15.82	15.96	16.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		15.92	15.96	15.82	16.5	0.0



Part270 n78 Ant7									
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		22.54				
100	PI/2 BPSK	1	137		22.77		24.0	0.0	
100	PI/2 BPSK	1	271		22.66				
100	PI/2 BPSK	135	0		22.68		24.0	0.0	
100	PI/2 BPSK	135	69		22.70		24.0	0.0	
100	PI/2 BPSK	135	138		22.66				
100	PI/2 BPSK	270	0		22.71		24.0	0.0	
100	QPSK	1	1		22.83				
100	QPSK	1	137		22.74		24.0	0.0	
100	QPSK	1	271		22.69				
100	QPSK	135	0		22.74		24.0	0.0	
100	QPSK	135	69		22.71		24.0	0.0	
100	QPSK	135	138		22.68				
100	QPSK	270	0		22.72		24.0	0.0	
100	16QAM	1	1		22.77		24.0	0.0	
100	64QAM	1	1		22.58		24.0	0.0	
100	256QAM	1	1		21.40		22.5	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.75	22.77	22.74	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		22.78	22.75	22.76	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.76	22.74	22.73	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.71	22.78	22.79	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.68	22.67	22.75	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.74	22.72	22.77	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		22.76	22.73	22.78	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		22.70	22.76	22.72	24.0	0.0

Part270 n78 PC2 Ant7									
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		25.70				
100	PI/2 BPSK	1	137		25.67		27.0	0.0	
100	PI/2 BPSK	1	271		25.76				
100	PI/2 BPSK	135	0		25.17		26.5	0.5	
100	PI/2 BPSK	135	69		25.73		27.0	0.0	
100	PI/2 BPSK	135	138		25.16				
100	PI/2 BPSK	270	0		25.19		26.5	0.5	
100	QPSK	1	1		25.79				
100	QPSK	1	137		25.74		27.0	0.0	
100	QPSK	1	271		25.70				
100	QPSK	135	0		24.66		26.0	1.0	
100	QPSK	135	69		25.71		27.0	0.0	
100	QPSK	135	138		24.69				
100	QPSK	270	0		24.63		26.0	1.0	
100	16QAM	1	1		24.79		26.0	1.0	
100	64QAM	1	1		23.43		24.5	2.5	
100	256QAM	1	1		21.46		22.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.66	25.67	25.71	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.73	25.65	25.70	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.66	25.65	25.67	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		25.69	25.70	25.74	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.74	25.66	25.74	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.74	25.74	25.72	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		25.67	25.70	25.73	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		25.69	25.74	25.65	27.0	0.0



Part27Q 78 Ant7									
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		22.66				
100	PI/2 BPSK	1	137		22.74		24.0	0.0	
100	PI/2 BPSK	1	271		22.78				
100	PI/2 BPSK	135	0		22.73		24.0	0.0	
100	PI/2 BPSK	135	69		22.81		24.0	0.0	
100	PI/2 BPSK	135	138		22.73				
100	PI/2 BPSK	270	0		22.76		24.0	0.0	
100	QPSK	1	1		22.90				
100	QPSK	1	137		22.84		24.0	0.0	
100	QPSK	1	271		22.79				
100	QPSK	135	0		22.74		24.0	0.0	
100	QPSK	135	69		22.80		24.0	0.0	
100	QPSK	135	138		22.73		24.0	0.0	
100	QPSK	270	0		22.79				
100	16QAM	1	1		22.64		24.0	0.0	
100	64QAM	1	1		22.86		24.0	0.0	
100	256QAM	1	1		21.54		22.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		22.82	22.75	22.81	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		22.76	22.79	22.85	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		22.83	22.86	22.85	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		22.81	22.74	22.76	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		22.81	22.80	22.84	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		22.82	22.82	22.84	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		22.84	22.77	22.78	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		22.82	22.84	22.79	24.0	0.0

Part27Q 78 PC2 Ant7									
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		25.70				
100	PI/2 BPSK	1	137		25.66		27.0	0.0	
100	PI/2 BPSK	1	271		25.80				
100	PI/2 BPSK	135	0		25.25		26.5	0.5	
100	PI/2 BPSK	135	69		25.77		27.0	0.0	
100	PI/2 BPSK	135	138		25.21				
100	PI/2 BPSK	270	0		25.28		26.5	0.5	
100	QPSK	1	1		25.81				
100	QPSK	1	137		25.65		27.0	0.0	
100	QPSK	1	271		25.76				
100	QPSK	135	0		24.32		26.0	1.0	
100	QPSK	135	69		25.51		27.0	0.0	
100	QPSK	135	138		24.75		26.0	1.0	
100	QPSK	270	0		24.58				
100	16QAM	1	1		24.30		26.0	1.0	
100	64QAM	1	1		23.05		24.5	2.5	
100	256QAM	1	1		21.47		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		25.76	25.73	25.71	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		25.71	25.66	25.71	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		25.69	25.72	25.68	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		25.73	25.66	25.72	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		25.75	25.69	25.70	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		25.67	25.69	25.77	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		25.68	25.77	25.71	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		25.67	25.71	25.67	27.0	0.0



Reduced Power Mode for 5GNR DSI 3-Standalone

n7 Ant0									
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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	17.20	17.16	17.20	18.0	0.0	
40	PI/2 BPSK	1	108	17.22	17.28	17.07			
40	PI/2 BPSK	1	214	17.19	17.28	17.24			
40	PI/2 BPSK	108	0	17.19	17.27	17.10	18.0	0.0	
40	PI/2 BPSK	108	54	17.28	17.24	17.13	18.0	0.0	
40	PI/2 BPSK	108	108	17.10	17.26	17.05	18.0	0.0	
40	PI/2 BPSK	216	0	17.23	17.28	17.25			
40	QPSK	1	1	17.28	17.35	17.24			
40	QPSK	1	108	17.27	17.24	17.07	18.0	0.0	
40	QPSK	1	214	17.17	17.31	17.09	18.0	0.0	
40	QPSK	108	0	17.08	17.15	17.25			
40	QPSK	108	54	17.23	17.34	17.19			
40	QPSK	108	108	17.25	17.25	17.15	18.0	0.0	
40	QPSK	216	0	17.10	17.30	17.16	18.0	0.0	
40	16QAM	1	1	17.25	17.18	17.10			
40	64QAM	1	1	17.10	17.23	17.13			
40	256QAM	1	1	17.11	17.26	17.13	18.0	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	PI/2 BPSK	1	1	17.14	17.15	17.06	18.0	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	PI/2 BPSK	1	1	17.28	17.31	17.18	18.0	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	QPSK	1	1	17.09	17.21	17.05	18.0	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	17.21	17.16	17.11	18.0	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	17.25	17.26	17.26	18.0	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	17.08	17.22	17.03	18.0	0.0	

n66 Ant0									
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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	16.48	16.46	16.49	17.4	0.0	
40	PI/2 BPSK	1	108	16.47	16.47	16.36			
40	PI/2 BPSK	1	214	16.33	16.45	16.33			
40	PI/2 BPSK	108	0	16.32	16.43	16.48	17.4	0.0	
40	PI/2 BPSK	108	54	16.40	16.46	16.41	17.4	0.0	
40	PI/2 BPSK	108	108	16.41	16.36	16.48	17.4	0.0	
40	PI/2 BPSK	216	0	16.33	16.49	16.35			
40	QPSK	1	1	16.48	16.60	16.50			
40	QPSK	1	108	16.40	16.42	16.45	17.4	0.0	
40	QPSK	1	214	16.45	16.40	16.37	17.4	0.0	
40	QPSK	108	0	16.43	16.36	16.46			
40	QPSK	108	54	16.41	16.58	16.57			
40	QPSK	108	108	16.42	16.45	16.29	17.4	0.0	
40	QPSK	216	0	16.46	16.50	16.39	17.4	0.0	
40	16QAM	1	1	16.34	16.36	16.46			
40	64QAM	1	1	16.41	16.46	16.46			
40	256QAM	1	1	16.46	16.43	16.43	17.4	0.0	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	PI/2 BPSK	1	1	16.45	16.48	16.33	17.4	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	16.33	16.43	16.39	17.4	0.0	
Channel				343000	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	16.48	16.51	16.30	17.4	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	16.39	16.48	16.49	17.4	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	16.40	16.47	16.33	17.4	0.0	



n38 Ant0									
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			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	17.13	17.13	17.14	18.0	0.0	
40	PI/2 BPSK	1	53	17.08	17.12	17.05			
40	PI/2 BPSK	1	104	16.91	17.12	17.10			
40	PI/2 BPSK	50	0	16.91	16.99	17.00			
40	PI/2 BPSK	50	28	17.05	17.13	17.11			
40	PI/2 BPSK	50	56	17.10	17.08	17.12			
40	PI/2 BPSK	100	0	16.99	17.11	17.02			
40	QPSK	1	1	17.11	17.19	17.12			
40	QPSK	1	53	16.90	17.03	17.00			
40	QPSK	1	104	17.06	17.09	17.12			
40	QPSK	50	0	17.10	17.14	17.08	18.0	0.0	
40	QPSK	50	28	17.10	17.16	17.14	18.0	0.0	
40	QPSK	50	56	16.91	17.13	17.09	18.0	0.0	
40	QPSK	100	0	16.91	17.15	17.00	18.0	0.0	
40	16QAM	1	1	16.90	17.11	17.06	18.0	0.0	
40	64QAM	1	1	17.11	17.03	17.03	18.0	0.0	
40	256QAM	1	1	17.13	16.12	17.11	18.0	0.0	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	17.11	16.98	17.11	18.0	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	16.92	17.12	17.06	18.0	0.0	

n41 Ant0									
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	17.01	17.16	16.99	18.0	0.0	
100	PI/2 BPSK	1	137	16.99	17.13	17.11			
100	PI/2 BPSK	1	271	17.06	17.05	17.04			
100	PI/2 BPSK	135	0	16.96	17.07	16.96			
100	PI/2 BPSK	135	69	17.13	17.12	17.02			
100	PI/2 BPSK	135	138	16.92	17.15	16.98			
100	PI/2 BPSK	270	0	17.11	17.01	17.14			
100	QPSK	1	1	17.13	17.22	17.14			
100	QPSK	1	137	16.95	17.05	17.08			
100	QPSK	1	271	16.95	17.13	17.08			
100	QPSK	135	0	16.92	17.04	17.06	18.0	0.0	
100	QPSK	135	69	17.12	17.16	17.09	18.0	0.0	
100	QPSK	135	138	17.10	17.16	17.13	18.0	0.0	
100	QPSK	270	0	17.12	17.22	17.07	18.0	0.0	
100	16QAM	1	1	16.98	17.07	16.92	18.0	0.0	
100	64QAM	1	1	16.98	17.03	17.15	18.0	0.0	
100	256QAM	1	1	17.07	17.16	17.12	18.0	0.0	
Channel				508200	518598	528996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.13	17.12	17.06	18.0	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	17.05	17.05	16.99	18.0	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	17.07	17.16	17.09	18.0	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.06	17.12	17.06	18.0	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	16.98	17.16	17.03	18.0	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	16.94	17.15	17.02	18.0	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.00	17.16	17.04	18.0	0.0	



n5 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.60	23.75	23.69	24.0	0.0	
20	PI/2 BPSK	1	53	23.61	23.70	23.61			
20	PI/2 BPSK	1	104	23.53	23.57	23.53			
20	PI/2 BPSK	50	0	23.06	23.14	23.00	23.5	0.5	
20	PI/2 BPSK	50	28	23.48	23.62	23.53	24.0	0.0	
20	PI/2 BPSK	50	56	23.01	23.08	22.93	23.5	0.5	
20	PI/2 BPSK	100	0	22.94	23.05	22.92			
20	QPSK	1	1	23.76	23.78	23.68			
20	QPSK	1	53	23.60	23.68	23.57	24.0	0.0	
20	QPSK	1	104	23.50	23.55	23.44			
20	QPSK	50	0	22.47	22.59	22.54			
20	QPSK	50	28	23.52	23.64	23.58	24.0	0.0	
20	QPSK	50	56	22.43	22.52	22.40	23.0	1.0	
20	QPSK	100	0	22.50	22.57	22.52			
20	16QAM	1	1	22.86	22.97	22.88	23.0	1.0	
20	64QAM	1	1	21.35	21.45	21.32	21.5	2.5	
20	256QAM	1	1	19.35	19.42	19.29	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0	
15	QPSK	1	1	23.64	23.63	23.54	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	QPSK	1	1	23.72	23.65	23.53	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0	
5	QPSK	1	1	23.64	23.66	23.58	24.0	0.0	

n7 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	17.62	17.62	17.63	19.0	0.0	
40	PI/2 BPSK	1	108	17.62	17.63	17.57			
40	PI/2 BPSK	1	214	17.65	17.64	17.60			
40	PI/2 BPSK	108	0	17.58	17.61	17.60	19.0	0.0	
40	PI/2 BPSK	108	54	17.66	17.66	17.57	19.0	0.0	
40	PI/2 BPSK	108	108	17.61	17.67	17.61	19.0	0.0	
40	PI/2 BPSK	216	0	17.58	17.62	17.64			
40	QPSK	1	1	17.58	17.77	17.68			
40	QPSK	1	108	17.67	17.56	17.62	19.0	0.0	
40	QPSK	1	214	17.65	17.64	17.59			
40	QPSK	108	0	17.57	17.60	17.56			
40	QPSK	108	54	17.59	17.73	17.60	19.0	0.0	
40	QPSK	108	108	17.57	17.61	17.55	19.0	0.0	
40	QPSK	216	0	17.65	17.69	17.56			
40	16QAM	1	1	17.51	17.58	17.53	19.0	0.0	
40	64QAM	1	1	17.59	17.68	17.63	19.0	0.0	
40	256QAM	1	1	17.53	17.64	17.57	19.0	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	19.0	0.0	
30	PI/2 BPSK	1	1	17.67	17.65	17.53	19.0	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	19.0	0.0	
25	PI/2 BPSK	1	1	17.65	17.59	17.66	19.0	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	19.0	0.0	
20	QPSK	1	1	17.64	17.74	17.61	19.0	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	19.0	0.0	
15	QPSK	1	1	17.64	17.56	17.59	19.0	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	19.0	0.0	
10	QPSK	1	1	17.59	17.72	17.53	19.0	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	19.0	0.0	
5	QPSK	1	1	17.59	17.60	17.66	19.0	0.0	



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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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	17.23	17.17	17.11		
40	PI/2 BPSK	1	108	17.21	17.15	17.10	18.5	0.0
40	PI/2 BPSK	1	214	17.20	17.11	17.03		
40	PI/2 BPSK	108	0	17.23	17.23	17.21	18.5	0.0
40	PI/2 BPSK	108	54	17.23	17.19	17.23	18.5	0.0
40	PI/2 BPSK	108	108	17.17	17.22	17.19		
40	PI/2 BPSK	216	0	17.21	17.18	17.14	18.5	0.0
40	QPSK	1	1	17.17	17.38	17.19		
40	QPSK	1	108	17.16	17.20	17.11	18.5	0.0
40	QPSK	1	214	17.20	17.13	17.15		
40	QPSK	108	0	17.14	17.18	17.19	18.5	0.0
40	QPSK	108	54	17.18	17.27	17.21	18.5	0.0
40	QPSK	108	108	17.23	17.21	17.12	18.5	0.0
40	QPSK	216	0	17.19	17.24	17.16		
40	16QAM	1	1	17.22	17.22	17.18	18.5	0.0
40	64QAM	1	1	17.21	17.23	17.19	18.5	0.0
40	256QAM	1	1	17.16	17.19	17.23	18.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	17.17	17.19	17.21	18.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	17.24	17.11	17.08	18.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.13	17.21	17.26	18.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.19	17.23	17.22	18.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	17.21	17.19	17.22	18.5	0.0



Par270 n77 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	19.59	19.63	19.60			
100	PI/2 BPSK	1	137	19.60	19.55	19.57	19.8	0.0	
100	PI/2 BPSK	1	271	19.63	19.54	19.62			
100	PI/2 BPSK	135	0	19.58	19.53	19.54	19.8	0.0	
100	PI/2 BPSK	135	69	19.57	19.62	19.60	19.8	0.0	
100	PI/2 BPSK	135	138	19.62	19.56	19.49	19.8	0.0	
100	PI/2 BPSK	270	0	19.60	19.58	19.63			
100	QPSK	1	1	19.62	19.71	19.60			
100	QPSK	1	137	19.63	19.50	19.51	19.8	0.0	
100	QPSK	1	271	19.48	19.57	19.62			
100	QPSK	135	0	19.52	19.60	19.59	19.8	0.0	
100	QPSK	135	69	19.62	19.65	19.63	19.8	0.0	
100	QPSK	135	138	19.58	19.51	19.46	19.8	0.0	
100	QPSK	270	0	19.63	19.65	19.58			
100	16QAM	1	1	19.60	19.59	19.58	19.8	0.0	
100	64QAM	1	1	19.59	19.62	19.50	19.8	0.0	
100	256QAM	1	1	19.42	19.38	19.38	19.5	0.3	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	19.53	19.61	19.52	19.8	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	19.58	19.57	19.57	19.8	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735.02	3840	3945			
70	QPSK	1	1	19.59	19.54	19.52	19.8	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	19.58	19.51	19.46	19.8	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	19.63	19.52	19.56	19.8	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	19.58	19.52	19.61	19.8	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	19.63	19.62	19.47	19.8	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	19.48	19.61	19.59	19.8	0.0	

Part27Q n77 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1	19.56	19.55	19.54			
100	PI/2 BPSK	1	137	19.56	19.52	19.56	19.8	0.0	
100	PI/2 BPSK	1	271	19.57	19.56	19.44			
100	PI/2 BPSK	135	0	19.53	19.59	19.50	19.8	0.0	
100	PI/2 BPSK	135	69	19.52	19.51	19.52	19.8	0.0	
100	PI/2 BPSK	135	138	19.56	19.59	19.49	19.8	0.0	
100	PI/2 BPSK	270	0	19.48	19.55	19.57			
100	QPSK	1	1	19.56	19.68	19.59			
100	QPSK	1	137	19.61	19.48	19.43	19.8	0.0	
100	QPSK	1	271	19.59	19.54	19.56			
100	QPSK	135	0	19.53	19.55	19.51	19.8	0.0	
100	QPSK	135	69	19.59	19.63	19.59	19.8	0.0	
100	QPSK	135	138	19.46	19.47	19.46	19.8	0.0	
100	QPSK	270	0	19.53	19.62	19.58			
100	16QAM	1	1	19.56	19.55	19.56	19.8	0.0	
100	64QAM	1	1	19.59	19.52	19.56	19.8	0.0	
100	256QAM	1	1	19.48	19.47	19.57	19.5	0.3	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	19.59	19.56	19.60	19.8	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	19.46	19.56	19.54	19.8	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	19.59	19.50	19.50	19.8	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	19.57	19.48	19.59	19.8	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	19.66	19.60	19.55	19.8	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	19.67	19.52	19.49	19.8	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	19.48	19.56	19.48	19.8	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	19.61	19.49	19.43	19.8	0.0	



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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	19.51			20.0	0.0
100	PI/2 BPSK	1	137	19.57				
100	PI/2 BPSK	1	271	19.60				
100	PI/2 BPSK	135	0	19.60			20.0	0.0
100	PI/2 BPSK	135	69	19.58			20.0	0.0
100	PI/2 BPSK	135	138	19.45				
100	PI/2 BPSK	270	0	19.50			20.0	0.0
100	QPSK	1	1	19.67				
100	QPSK	1	137	19.56			20.0	0.0
100	QPSK	1	271	19.46				
100	QPSK	135	0	19.59			20.0	0.0
100	QPSK	135	69	19.64			20.0	0.0
100	QPSK	135	138	17.59				
100	QPSK	270	0	19.57			20.0	0.0
100	16QAM	1	1	19.61			20.0	0.0
100	64QAM	1	1	19.56			20.0	0.0
100	256QAM	1	1	19.51			20.0	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	19.46	19.50	19.51	20.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	19.60	19.59	19.55	20.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	19.51	19.59	19.58	20.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	19.51	19.68	19.58	20.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	19.50	19.50	19.54	20.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	19.48	19.52	19.56	20.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	19.54	19.62	19.48	20.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	19.66	19.56	19.65	20.0	0.0

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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				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	19.53			20.0	0.0
100	PI/2 BPSK	1	137	19.56				
100	PI/2 BPSK	1	271	19.66				
100	PI/2 BPSK	135	0	19.51			20.0	0.0
100	PI/2 BPSK	135	69	19.68			20.0	0.0
100	PI/2 BPSK	135	138	19.62				
100	PI/2 BPSK	270	0	19.59			20.0	0.0
100	QPSK	1	1	19.76				
100	QPSK	1	137	19.50			20.0	0.0
100	QPSK	1	271	19.66				
100	QPSK	135	0	19.46			20.0	0.0
100	QPSK	135	69	19.71			20.0	0.0
100	QPSK	135	138	19.62				
100	QPSK	270	0	19.69			20.0	0.0
100	16QAM	1	1	19.46			20.0	0.0
100	64QAM	1	1	19.56			20.0	0.0
100	256QAM	1	1	19.52			20.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	19.48	19.68	19.63	20.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	19.55	19.59	19.49	20.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	19.64	19.64	19.53	20.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	19.49	19.58	19.48	20.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	19.46	19.48	19.61	20.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	19.58	19.48	19.51	20.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	19.56	19.65	19.59	20.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	19.65	19.54	19.46	20.0	0.0



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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	17.25				
100	PI/2 BPSK	1	137	17.41			18.0	0.0
100	PI/2 BPSK	1	271	17.28				
100	PI/2 BPSK	135	0	17.42			18.0	0.0
100	PI/2 BPSK	135	69	17.44			18.0	0.0
100	PI/2 BPSK	135	138	17.39				
100	PI/2 BPSK	270	0	17.24			18.0	0.0
100	QPSK	1	1	17.50				
100	QPSK	1	137	17.25			18.0	0.0
100	QPSK	1	271	17.25				
100	QPSK	135	0	17.42			18.0	0.0
100	QPSK	135	69	17.45			18.0	0.0
100	QPSK	135	138	17.21			18.0	0.0
100	QPSK	270	0	17.48				
100	16QAM	1	1	17.39			18.0	0.0
100	64QAM	1	1	17.35			18.0	0.0
100	256QAM	1	1	17.30			18.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.36	17.43	17.39	18.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.47	17.42	17.48	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.35	17.42	17.45	18.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.35	17.43	17.33	18.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.51	17.47	17.50	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.48	17.40	17.44	18.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.49	17.48	17.50	18.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.51	17.48	17.49	18.0	0.0

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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								
Frequency (MHz)					633334			
100	PI/2 BPSK	1	1	17.32				
100	PI/2 BPSK	1	137	17.39			18.0	0.0
100	PI/2 BPSK	1	271	17.31				
100	PI/2 BPSK	135	0	17.43			18.0	0.0
100	PI/2 BPSK	135	69	17.39			18.0	0.0
100	PI/2 BPSK	135	138	17.40				
100	PI/2 BPSK	270	0	17.30			18.0	0.0
100	QPSK	1	1	17.56				
100	QPSK	1	137	17.27			18.0	0.0
100	QPSK	1	271	17.28				
100	QPSK	135	0	17.41			18.0	0.0
100	QPSK	135	69	17.53			18.0	0.0
100	QPSK	135	138	17.32			18.0	0.0
100	QPSK	270	0	17.46				
100	16QAM	1	1	17.30			18.0	0.0
100	64QAM	1	1	17.37			18.0	0.0
100	256QAM	1	1	17.41			18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.43	17.35	17.37	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.31	17.34	17.26	18.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.23	17.32	17.37	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.22	17.41	17.37	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.44	17.42	17.26	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.32	17.27	17.30	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.44	17.45	17.34	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.38	17.25	17.42	18.0	0.0



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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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		17.43				
100	PI/2 BPSK	1	137		17.46		18.0	0.0	
100	PI/2 BPSK	1	271		17.38				
100	PI/2 BPSK	135	0		17.38		18.0	0.0	
100	PI/2 BPSK	135	69		17.46		18.0	0.0	
100	PI/2 BPSK	135	138		17.50				
100	PI/2 BPSK	270	0		17.37		18.0	0.0	
100	QPSK	1	1		17.55				
100	QPSK	1	137		17.39		18.0	0.0	
100	QPSK	1	271		17.35				
100	QPSK	135	0		17.44		18.0	0.0	
100	QPSK	135	69		17.54		18.0	0.0	
100	QPSK	135	138		17.33		18.0	0.0	
100	QPSK	270	0		17.51				
100	16QAM	1	1		17.35		18.0	0.0	
100	64QAM	1	1		17.44		18.0	0.0	
100	256QAM	1	1		17.44		18.0	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		17.43	17.48	17.38	18.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		17.38	17.46	17.47	18.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		17.32	17.34	17.50	18.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		17.45	17.48	17.37	18.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		17.36	17.53	17.50	18.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		17.43	17.41	17.53	18.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		17.50	17.45	17.47	18.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		17.43	17.47	17.49	18.0	0.0

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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				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
100	PI/2 BPSK	1	1		17.36				
100	PI/2 BPSK	1	137		17.42		18.0	0.0	
100	PI/2 BPSK	1	271		17.40				
100	PI/2 BPSK	135	0		17.45		18.0	0.0	
100	PI/2 BPSK	135	69		17.48		18.0	0.0	
100	PI/2 BPSK	135	138		17.32				
100	PI/2 BPSK	270	0		17.26		18.0	0.0	
100	QPSK	1	1		17.53				
100	QPSK	1	137		17.41		18.0	0.0	
100	QPSK	1	271		17.18				
100	QPSK	135	0		17.31		18.0	0.0	
100	QPSK	135	69		17.52		18.0	0.0	
100	QPSK	135	138		17.32				
100	QPSK	270	0		17.49				
100	16QAM	1	1		17.27		18.0	0.0	
100	64QAM	1	1		17.33		18.0	0.0	
100	256QAM	1	1		17.34		18.0	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		17.47	17.33	17.43	18.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		17.46	17.40	17.44	18.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		17.42	17.52	17.43	18.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		17.43	17.41	17.42	18.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		17.51	17.40	17.47	18.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		17.40	17.35	17.49	18.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		17.33	17.47	17.46	18.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		17.40	17.47	17.43	18.0	0.0



Part270 n78 Ant7									
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		22.54				
100	PI/2 BPSK	1	137		22.77		24.0	0.0	
100	PI/2 BPSK	1	271		22.66				
100	PI/2 BPSK	135	0		22.68		24.0	0.0	
100	PI/2 BPSK	135	69		22.70		24.0	0.0	
100	PI/2 BPSK	135	138		22.66				
100	PI/2 BPSK	270	0		22.71		24.0	0.0	
100	QPSK	1	1		22.83				
100	QPSK	1	137		22.74		24.0	0.0	
100	QPSK	1	271		22.69				
100	QPSK	135	0		22.74		24.0	0.0	
100	QPSK	135	69		22.71		24.0	0.0	
100	QPSK	135	138		22.68				
100	QPSK	270	0		22.72		24.0	0.0	
100	16QAM	1	1		22.77		24.0	0.0	
100	64QAM	1	1		22.58		24.0	0.0	
100	256QAM	1	1		21.40		22.5	1.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		22.75	22.77	22.74	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		22.78	22.75	22.76	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		22.76	22.74	22.73	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.71	22.78	22.79	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.68	22.67	22.75	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		22.74	22.72	22.77	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		22.76	22.73	22.78	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		22.70	22.76	22.72	24.0	0.0

Part270 n78 PC2 Ant7									
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		25.70				
100	PI/2 BPSK	1	137		25.67		27.0	0.0	
100	PI/2 BPSK	1	271		25.76				
100	PI/2 BPSK	135	0		25.17		26.5	0.5	
100	PI/2 BPSK	135	69		25.73		27.0	0.0	
100	PI/2 BPSK	135	138		25.16				
100	PI/2 BPSK	270	0		25.19		26.5	0.5	
100	QPSK	1	1		25.79				
100	QPSK	1	137		25.74		27.0	0.0	
100	QPSK	1	271		25.70				
100	QPSK	135	0		24.66		26.0	1.0	
100	QPSK	135	69		25.71		27.0	0.0	
100	QPSK	135	138		24.69				
100	QPSK	270	0		24.63		26.0	1.0	
100	16QAM	1	1		24.79		26.0	1.0	
100	64QAM	1	1		23.43		24.5	2.5	
100	256QAM	1	1		21.46		22.5	4.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.66	25.67	25.71	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.73	25.65	25.70	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.66	25.65	25.67	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		25.69	25.70	25.74	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.74	25.66	25.74	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.74	25.74	25.72	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		25.67	25.70	25.73	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		25.69	25.74	25.65	27.0	0.0



Part27Q 78 Ant7									
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		22.66				
100	PI/2 BPSK	1	137		22.74		24.0	0.0	
100	PI/2 BPSK	1	271		22.78				
100	PI/2 BPSK	135	0		22.73		24.0	0.0	
100	PI/2 BPSK	135	69		22.81		24.0	0.0	
100	PI/2 BPSK	135	138		22.73				
100	PI/2 BPSK	270	0		22.76		24.0	0.0	
100	QPSK	1	1		22.90				
100	QPSK	1	137		22.84		24.0	0.0	
100	QPSK	1	271		22.79				
100	QPSK	135	0		22.74		24.0	0.0	
100	QPSK	135	69		22.80		24.0	0.0	
100	QPSK	135	138		22.73		24.0	0.0	
100	QPSK	270	0		22.79				
100	16QAM	1	1		22.64		24.0	0.0	
100	64QAM	1	1		22.86		24.0	0.0	
100	256QAM	1	1		21.54		22.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		22.82	22.75	22.81	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		22.76	22.79	22.85	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		22.83	22.86	22.85	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		22.81	22.74	22.76	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		22.81	22.80	22.84	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		22.82	22.82	22.84	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		22.84	22.77	22.78	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		22.82	22.84	22.79	24.0	0.0

Part27Q 78 PC2 Ant7									
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		25.70				
100	PI/2 BPSK	1	137		25.66		27.0	0.0	
100	PI/2 BPSK	1	271		25.80				
100	PI/2 BPSK	135	0		25.25		26.5	0.5	
100	PI/2 BPSK	135	69		25.77		27.0	0.0	
100	PI/2 BPSK	135	138		25.21				
100	PI/2 BPSK	270	0		25.28		26.5	0.5	
100	QPSK	1	1		25.81				
100	QPSK	1	137		25.65		27.0	0.0	
100	QPSK	1	271		25.76				
100	QPSK	135	0		24.32		26.0	1.0	
100	QPSK	135	69		25.51		27.0	0.0	
100	QPSK	135	138		24.75		26.0	1.0	
100	QPSK	270	0		24.58				
100	16QAM	1	1		24.30		26.0	1.0	
100	64QAM	1	1		23.05		24.5	2.5	
100	256QAM	1	1		21.47		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		25.76	25.73	25.71	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		25.71	25.66	25.71	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		25.69	25.72	25.68	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		25.73	25.66	25.72	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		25.75	25.69	25.70	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		25.67	25.69	25.77	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		25.68	25.77	25.71	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		25.67	25.71	25.67	27.0	0.0



Reduced Power Mode for 5GNR DSI 3-Simultaneous

n7 Ant0								
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				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	17.20	17.16	17.20	18.0	0.0
40	PI/2 BPSK	1	108	17.22	17.28	17.07		
40	PI/2 BPSK	1	214	17.19	17.28	17.24		
40	PI/2 BPSK	108	0	17.19	17.27	17.10	18.0	0.0
40	PI/2 BPSK	108	54	17.28	17.24	17.13	18.0	0.0
40	PI/2 BPSK	108	108	17.10	17.26	17.05	18.0	0.0
40	PI/2 BPSK	216	0	17.23	17.28	17.25		
40	QPSK	1	1	17.28	17.35	17.24	18.0	0.0
40	QPSK	1	108	17.27	17.24	17.07		
40	QPSK	1	214	17.17	17.31	17.09		
40	QPSK	108	0	17.08	17.15	17.25	18.0	0.0
40	QPSK	108	54	17.23	17.34	17.19	18.0	0.0
40	QPSK	108	108	17.25	17.25	17.15	18.0	0.0
40	QPSK	216	0	17.10	17.30	17.16		
40	16QAM	1	1	17.25	17.18	17.10	18.0	0.0
40	64QAM	1	1	17.10	17.23	17.13	18.0	0.0
40	256QAM	1	1	17.11	17.26	17.13	18.0	0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	18.0	0.0
30	PI/2 BPSK	1	1	17.14	17.15	17.06	18.0	0.0
Channel				502500	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5	18.0	0.0
25	PI/2 BPSK	1	1	17.28	17.31	17.18	18.0	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560	18.0	0.0
20	QPSK	1	1	17.09	17.21	17.05	18.0	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5	18.0	0.0
15	QPSK	1	1	17.21	17.16	17.11	18.0	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565	18.0	0.0
10	QPSK	1	1	17.25	17.26	17.26	18.0	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5	18.0	0.0
5	QPSK	1	1	17.08	17.22	17.03	18.0	0.0

n66 Ant0								
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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	15.95	15.90	15.96	16.6	0.0
40	PI/2 BPSK	1	108	15.92	15.89	15.96		
40	PI/2 BPSK	1	214	15.91	15.98	16.01		
40	PI/2 BPSK	108	0	15.92	15.96	15.90	16.6	0.0
40	PI/2 BPSK	108	54	15.86	15.97	15.89	16.6	0.0
40	PI/2 BPSK	108	108	15.84	16.00	15.83	16.6	0.0
40	PI/2 BPSK	216	0	15.91	16.02	16.01		
40	QPSK	1	1	16.02	16.10	16.02	16.6	0.0
40	QPSK	1	108	15.85	16.02	16.03		
40	QPSK	1	214	15.81	15.94	16.00		
40	QPSK	108	0	15.91	16.08	15.94	16.6	0.0
40	QPSK	108	54	15.98	16.03	15.96	16.6	0.0
40	QPSK	108	108	16.00	15.93	15.86	16.6	0.0
40	QPSK	216	0	15.96	16.04	15.91		
40	16QAM	1	1	15.92	15.88	15.88	16.6	0.0
40	64QAM	1	1	16.01	15.91	15.90	16.6	0.0
40	256QAM	1	1	15.98	15.87	15.84	16.6	0.0
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	16.6	0.0
30	PI/2 BPSK	1	1	15.99	15.99	15.85	16.6	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770	16.6	0.0
20	QPSK	1	1	15.94	16.09	15.97	16.6	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5	16.6	0.0
15	QPSK	1	1	15.91	16.01	15.98	16.6	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775	16.6	0.0
10	QPSK	1	1	15.85	15.98	15.87	16.6	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5	16.6	0.0
5	QPSK	1	1	15.83	15.97	15.93	16.6	0.0



n38 Ant0									
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			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	17.09	17.06	16.99			
40	PI/2 BPSK	1	53	17.12	17.00	17.00	18.0	0.0	
40	PI/2 BPSK	1	104	17.13	16.99	17.14			
40	PI/2 BPSK	50	0	16.97	17.03	17.03	18.0	0.0	
40	PI/2 BPSK	50	28	16.98	17.05	17.10	18.0	0.0	
40	PI/2 BPSK	50	56	16.95	17.10	16.99			
40	PI/2 BPSK	100	0	17.09	17.10	17.02	18.0	0.0	
40	QPSK	1	1	17.11	17.19	17.10			
40	QPSK	1	53	17.07	17.02	17.15	18.0	0.0	
40	QPSK	1	104	17.11	16.97	17.08			
40	QPSK	50	0	17.03	17.11	17.15	18.0	0.0	
40	QPSK	50	28	17.10	17.16	17.14	18.0	0.0	
40	QPSK	50	56	16.90	17.11	17.02	18.0	0.0	
40	QPSK	100	0	17.06	17.18	17.11			
40	16QAM	1	1	17.05	17.08	17.12	18.0	0.0	
40	64QAM	1	1	16.94	17.07	16.98	18.0	0.0	
40	256QAM	1	1	16.89	17.11	16.99	18.0	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	17.00	16.99	16.96	18.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	17.03	17.06	17.18	18.0	0.0	

n41 Ant0									
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	17.10	17.07	17.06			
100	PI/2 BPSK	1	137	17.10	16.95	17.11	18.0	0.0	
100	PI/2 BPSK	1	271	16.95	17.03	16.92			
100	PI/2 BPSK	135	0	17.07	17.04	16.96	18.0	0.0	
100	PI/2 BPSK	135	69	16.92	17.05	17.06	18.0	0.0	
100	PI/2 BPSK	135	138	17.07	17.02	17.05			
100	PI/2 BPSK	270	0	16.95	17.05	17.08	18.0	0.0	
100	QPSK	1	1	17.13	17.22	17.14			
100	QPSK	1	137	16.95	17.06	17.09	18.0	0.0	
100	QPSK	1	271	17.14	17.04	17.12			
100	QPSK	135	0	17.06	16.95	17.02	18.0	0.0	
100	QPSK	135	69	17.12	17.18	17.09			
100	QPSK	135	138	17.11	17.13	17.02	18.0	0.0	
100	QPSK	270	0	16.97	17.17	17.07			
100	16QAM	1	1	16.93	17.05	16.95	18.0	0.0	
100	64QAM	1	1	17.09	17.08	17.02	18.0	0.0	
100	256QAM	1	1	17.06	17.01	17.06	18.0	0.0	
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.08	17.16	16.99	18.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	16.92	17.01	16.99	18.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	16.95	17.13	16.94	18.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.04	17.16	17.00	18.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	16.97	17.11	17.03	18.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.08	17.09	17.00	18.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.03	17.07	17.03	18.0	0.0	



n5 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	PI/2 BPSK	1	1	23.02	23.10	22.94	23.5	0.0	
20	PI/2 BPSK	1	53	22.92	23.03	23.01			
20	PI/2 BPSK	1	104	22.82	22.91	22.87			
20	PI/2 BPSK	50	0	22.92	23.08	23.00	23.5	0.0	
20	PI/2 BPSK	50	28	22.93	22.97	22.83	23.5	0.0	
20	PI/2 BPSK	50	56	22.96	23.05	22.95	23.5	0.0	
20	PI/2 BPSK	100	0	22.69	22.86	22.83			
20	QPSK	1	1	23.10	23.18	23.01			
20	QPSK	1	53	23.05	23.15	23.12	23.5	0.0	
20	QPSK	1	104	22.96	23.06	22.97			
20	QPSK	50	0	22.50	22.58	22.48			
20	QPSK	50	28	23.01	23.12	22.97	23.5	0.0	
20	QPSK	50	56	22.56	22.59	22.48	23.0	0.5	
20	QPSK	100	0	22.53	22.61	22.57			
20	16QAM	1	1	22.41	22.59	22.56			
20	64QAM	1	1	22.48	22.61	22.57	21.5	2.0	
20	256QAM	1	1	22.44	22.57	22.45	19.5	4.0	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.98	23.03	22.89	23.5	0.0	
Channel				165800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	23.06	23.04	22.98	23.5	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	23.06	23.08	22.90	23.5	0.0	

n7 Ant1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	16.66	16.75	16.73	18.0	0.0	
40	PI/2 BPSK	1	108	16.81	16.78	16.68			
40	PI/2 BPSK	1	214	16.76	16.80	16.75			
40	PI/2 BPSK	108	0	16.77	16.82	16.81	18.0	0.0	
40	PI/2 BPSK	108	54	16.76	16.68	16.65	18.0	0.0	
40	PI/2 BPSK	108	108	16.80	16.77	16.66	18.0	0.0	
40	PI/2 BPSK	216	0	16.70	16.70	16.73			
40	QPSK	1	1	16.76	16.89	16.79			
40	QPSK	1	108	16.82	16.81	16.68	18.0	0.0	
40	QPSK	1	214	16.73	16.69	16.79			
40	QPSK	108	0	16.68	16.67	16.73			
40	QPSK	108	54	16.76	16.86	16.75	18.0	0.0	
40	QPSK	108	108	16.82	16.72	16.68	18.0	0.0	
40	QPSK	216	0	16.75	16.83	16.63			
40	16QAM	1	1	16.80	16.82	16.68			
40	64QAM	1	1	16.75	16.80	16.63	18.0	0.0	
40	256QAM	1	1	16.76	16.73	16.72	18.0	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	PI/2 BPSK	1	1	16.76	16.79	16.58	18.0	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	PI/2 BPSK	1	1	16.78	16.79	16.79	18.0	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	QPSK	1	1	16.72	16.72	16.77	18.0	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	16.83	16.72	16.72	18.0	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	16.78	16.79	16.78	18.0	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	16.68	16.70	16.65	18.0	0.0	

n66 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI/2 BPSK	1	1	16.56	16.60	16.48		
40	PI/2 BPSK	1	108	16.54	16.54	16.40	17.5	0.0
40	PI/2 BPSK	1	214	16.57	16.57	16.39		
40	PI/2 BPSK	108	0	16.42	16.54	16.53	17.5	0.0
40	PI/2 BPSK	108	54	16.46	16.52	16.60	17.5	0.0
40	PI/2 BPSK	108	108	16.50	16.59	16.37		
40	PI/2 BPSK	216	0	16.37	16.53	16.56	17.5	0.0
40	QPSK	1	1	16.57	16.73	16.58		
40	QPSK	1	108	16.52	16.65	16.57	17.5	0.0
40	QPSK	1	214	16.45	16.53	16.36		
40	QPSK	108	0	16.41	16.53	16.52	17.5	0.0
40	QPSK	108	54	16.54	16.68	16.53	17.5	0.0
40	QPSK	108	108	16.47	16.63	16.47	17.5	0.0
40	QPSK	216	0	16.58	16.67	16.42		
40	16QAM	1	1	16.40	16.64	16.41	17.5	0.0
40	64QAM	1	1	16.52	16.63	16.41	17.5	0.0
40	256QAM	1	1	16.51	16.54	16.55	17.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	16.48	16.65	16.41	17.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.39	16.52	16.46	17.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.43	16.64	16.41	17.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.40	16.61	16.57	17.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.47	16.62	16.39	17.5	0.0



Par270 n77 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI/2 BPSK	1	1	15.79	15.92	15.77			
100	PI/2 BPSK	1	137	15.90	15.97	15.83	16.8	0.0	
100	PI/2 BPSK	1	271	15.80	16.00	15.81			
100	PI/2 BPSK	135	0	15.99	15.94	15.97	16.8	0.0	
100	PI/2 BPSK	135	69	15.96	15.92	15.78	16.8	0.0	
100	PI/2 BPSK	135	138	15.93	16.00	15.93			
100	PI/2 BPSK	270	0	15.95	15.88	15.96	16.8	0.0	
100	QPSK	1	1	15.98	16.05	15.99			
100	QPSK	1	137	15.83	15.83	16.00	16.8	0.0	
100	QPSK	1	271	15.85	15.98	15.77			
100	QPSK	135	0	15.77	15.85	16.00	16.8	0.0	
100	QPSK	135	69	15.89	16.01	15.96	16.8	0.0	
100	QPSK	135	138	15.90	15.89	15.90			
100	QPSK	270	0	15.93	16.02	15.98	16.8	0.0	
100	16QAM	1	1	15.89	16.00	15.96	16.8	0.0	
100	64QAM	1	1	15.96	15.96	15.95	16.8	0.0	
100	256QAM	1	1	15.95	15.96	15.79	16.8	0.0	
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	15.79	15.95	15.80	16.8	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	15.87	15.85	15.96	16.8	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	15.81	15.88	15.90	16.8	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	15.86	15.91	15.79	16.8	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	15.98	15.92	15.96	16.8	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	15.97	15.90	15.97	16.8	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	15.87	15.89	15.81	16.8	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	15.84	15.91	15.85	16.8	0.0	

Part27Q n77 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		15.73				
100	PI/2 BPSK	1	137		15.88		16.8	0.0	
100	PI/2 BPSK	1	271		15.63				
100	PI/2 BPSK	135	0		15.83		16.8	0.0	
100	PI/2 BPSK	135	69		15.70		16.8	0.0	
100	PI/2 BPSK	135	138		15.68				
100	PI/2 BPSK	270	0		15.73		16.8	0.0	
100	QPSK	1	1		15.99				
100	QPSK	1	137		15.88		16.8	0.0	
100	QPSK	1	271		15.70				
100	QPSK	135	0		15.81		16.8	0.0	
100	QPSK	135	69		15.93		16.8	0.0	
100	QPSK	135	138		15.65				
100	QPSK	270	0		15.84		16.8	0.0	
100	16QAM	1	1		15.74		16.8	0.0	
100	64QAM	1	1		15.74		16.8	0.0	
100	256QAM	1	1		15.77		16.8	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	15.77	15.89	15.86	16.8	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	15.83	15.98	15.91	16.8	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	15.78	15.86	15.94	16.8	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	15.80	15.93	15.94	16.8	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	15.92	15.95	15.86	16.8	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	15.85	15.98	15.97	16.8	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	15.85	15.87	15.88	16.8	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	15.91	15.91	15.82	16.8	0.0	



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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	15.94			17.0	0.0
100	PI/2 BPSK	1	137	15.81				
100	PI/2 BPSK	1	271	15.83				
100	PI/2 BPSK	135	0	15.91			17.0	0.0
100	PI/2 BPSK	135	69	15.95			17.0	0.0
100	PI/2 BPSK	135	138	15.80			17.0	0.0
100	PI/2 BPSK	270	0	15.93				
100	QPSK	1	1	16.14			17.0	0.0
100	QPSK	1	137	15.80				
100	QPSK	1	271	15.84				
100	QPSK	135	0	15.92			17.0	0.0
100	QPSK	135	69	16.05			17.0	0.0
100	QPSK	135	138	15.93			17.0	0.0
100	QPSK	270	0	16.04				
100	16QAM	1	1	15.80			17.0	0.0
100	64QAM	1	1	15.91			17.0	0.0
100	256QAM	1	1	15.94			17.0	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	15.99	15.95	15.96	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	15.80	15.84	15.93	17.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	15.84	15.80	16.01	17.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	15.92	15.80	15.80	17.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	15.98	15.96	15.94	17.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	15.84	16.00	16.00	17.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	15.82	15.88	15.83	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	15.80	15.77	15.81	17.0	0.0

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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								
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	15.76			17.0	0.0
100	PI/2 BPSK	1	137	15.82				
100	PI/2 BPSK	1	271	15.80				
100	PI/2 BPSK	135	0	15.78			17.0	0.0
100	PI/2 BPSK	135	69	15.87			17.0	0.0
100	PI/2 BPSK	135	138	15.82			17.0	0.0
100	PI/2 BPSK	270	0	15.80				
100	QPSK	1	1	15.98			17.0	0.0
100	QPSK	1	137	15.80				
100	QPSK	1	271	15.82				
100	QPSK	135	0	15.80			17.0	0.0
100	QPSK	135	69	15.89			17.0	0.0
100	QPSK	135	138	15.80			17.0	0.0
100	QPSK	270	0	15.96				
100	16QAM	1	1	15.81			17.0	0.0
100	64QAM	1	1	15.88			17.0	0.0
100	256QAM	1	1	15.80			17.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	15.82	15.82	15.79	17.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510.01	(dBm)	(dB)
80	QPSK	1	1	15.84	15.79	15.78	17.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	15.92	15.91	15.88	17.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	15.78	15.88	16.00	17.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	15.80	15.79	15.83	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	1	15.94	15.77	15.92	17.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	15.87	15.78	15.94	17.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	15.89	15.82	15.78	17.0	0.0



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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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		13.83				
100	PI/2 BPSK	1	137		13.95		14.5	0.0	
100	PI/2 BPSK	1	271		13.77				
100	PI/2 BPSK	135	0		13.82		14.5	0.0	
100	PI/2 BPSK	135	69		13.95		14.5	0.0	
100	PI/2 BPSK	135	138		13.96				
100	PI/2 BPSK	270	0		13.92		14.5	0.0	
100	QPSK	1	1		13.98				
100	QPSK	1	137		13.91		14.5	0.0	
100	QPSK	1	271		13.70				
100	QPSK	135	0		13.92		14.5	0.0	
100	QPSK	135	69		13.98		14.5	0.0	
100	QPSK	135	138		13.86				
100	QPSK	270	0		13.97		14.5	0.0	
100	16QAM	1	1		13.86		14.5	0.0	
100	64QAM	1	1		13.83		14.5	0.0	
100	256QAM	1	1		13.84		14.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		13.72	13.90	13.94	14.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		13.76	13.79	13.93	14.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		13.78	13.93	13.75	14.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		13.74	13.83	13.78	14.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		13.77	13.89	13.81	14.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		13.94	13.76	13.77	14.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		13.72	13.76	13.94	14.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		13.89	13.77	13.73	14.5	0.0

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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				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
100	PI/2 BPSK	1	1		13.94				
100	PI/2 BPSK	1	137		13.90		14.5	0.0	
100	PI/2 BPSK	1	271		13.80				
100	PI/2 BPSK	135	0		13.80		14.5	0.0	
100	PI/2 BPSK	135	69		13.96		14.5	0.0	
100	PI/2 BPSK	135	138		13.99				
100	PI/2 BPSK	270	0		13.77		14.5	0.0	
100	QPSK	1	1		14.06				
100	QPSK	1	137		13.69		14.5	0.0	
100	QPSK	1	271		13.71				
100	QPSK	135	0		13.92		14.5	0.0	
100	QPSK	135	69		14.03		14.5	0.0	
100	QPSK	135	138		13.88				
100	QPSK	270	0		14.01		14.5	0.0	
100	16QAM	1	1		13.82		14.5	0.0	
100	64QAM	1	1		13.97		14.5	0.0	
100	256QAM	1	1		13.90		14.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		13.92	13.87	13.91	14.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510.01			
80	QPSK	1	1		13.78	13.88	13.96	14.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		13.87	13.81	13.80	14.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		13.76	13.82	13.92	14.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		13.98	13.76	13.82	14.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		13.92	13.84	13.94	14.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		13.94	13.94	13.83	14.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		13.83	13.80	13.96	14.5	0.0



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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	12.46	12.46		13.0	0.0
100	PI/2 BPSK	1	137	12.48	12.48			
100	PI/2 BPSK	1	271	12.41	12.41			
100	PI/2 BPSK	135	0	12.46	12.46		13.0	0.0
100	PI/2 BPSK	135	69	12.49	12.49		13.0	0.0
100	PI/2 BPSK	135	138	12.41	12.41			
100	PI/2 BPSK	270	0	12.45	12.45		13.0	0.0
100	QPSK	1	1	12.53	12.53			
100	QPSK	1	137	12.38	12.38		13.0	0.0
100	QPSK	1	271	12.46	12.46			
100	QPSK	135	0	12.44	12.44		13.0	0.0
100	QPSK	135	69	12.52	12.52		13.0	0.0
100	QPSK	135	138	12.29	12.29			
100	QPSK	270	0	12.50	12.50		13.0	0.0
100	16QAM	1	1	12.47	12.47		13.0	0.0
100	64QAM	1	1	12.44	12.44		13.0	0.0
100	256QAM	1	1	12.49	12.49		13.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.46	12.45	12.46	13.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.45	12.46	12.49	13.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.49	12.41	12.49	13.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.42	12.26	12.41	13.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.45	12.27	12.45	13.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.42	12.41	12.41	13.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.43	12.42	12.41	13.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.45	12.43	12.43	13.0	0.0

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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				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	12.52	12.52		13.0	0.0
100	PI/2 BPSK	1	137	12.59	12.59			
100	PI/2 BPSK	1	271	12.31	12.31			
100	PI/2 BPSK	135	0	12.39	12.39		13.0	0.0
100	PI/2 BPSK	135	69	12.57	12.57		13.0	0.0
100	PI/2 BPSK	135	138	12.42	12.42			
100	PI/2 BPSK	270	0	12.35	12.35		13.0	0.0
100	QPSK	1	1	12.66	12.66			
100	QPSK	1	137	12.34	12.34		13.0	0.0
100	QPSK	1	271	12.44	12.44			
100	QPSK	135	0	12.57	12.57		13.0	0.0
100	QPSK	135	69	12.60	12.60		13.0	0.0
100	QPSK	135	138	12.44	12.44			
100	QPSK	270	0	12.61	12.61		13.0	0.0
100	16QAM	1	1	12.44	12.44		13.0	0.0
100	64QAM	1	1	12.51	12.51		13.0	0.0
100	256QAM	1	1	12.56	12.56		13.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.47	12.45	12.44	13.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510.01		
80	QPSK	1	1	12.47	12.39	12.39	13.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.44	12.45	12.39	13.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.59	12.46	12.54	13.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.60	12.47	12.50	13.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.52	12.52	12.45	13.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.57	12.56	12.43	13.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.49	12.60	12.46	13.0	0.0



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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	19.54			21.0	0.0
100	PI/2 BPSK	1	137	19.48				
100	PI/2 BPSK	1	271	19.62				
100	PI/2 BPSK	135	0	19.46			21.0	0.0
100	PI/2 BPSK	135	69	19.41			21.0	0.0
100	PI/2 BPSK	135	138	19.39			21.0	0.0
100	PI/2 BPSK	270	0	19.54				
100	QPSK	1	1	19.64				
100	QPSK	1	137	19.44			21.0	0.0
100	QPSK	1	271	19.55				
100	QPSK	135	0	19.54				
100	QPSK	135	69	19.61			21.0	0.0
100	QPSK	135	138	19.39			21.0	0.0
100	QPSK	270	0	19.41				
100	16QAM	1	1	19.43				
100	64QAM	1	1	19.52			21.0	0.0
100	256QAM	1	1	19.46			21.0	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	19.46	19.54	19.49	21.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	19.48	19.46	19.55	21.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	19.54	19.59	19.50	21.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	19.49	19.57	19.40	21.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	19.50	19.60	19.40	21.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	19.40	19.45	19.62	21.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	19.40	19.62	19.53	21.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	19.41	19.56	19.40	21.0	0.0

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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				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
100	PI/2 BPSK	1	1	19.57			21.0	0.0
100	PI/2 BPSK	1	137	19.40				
100	PI/2 BPSK	1	271	19.57				
100	PI/2 BPSK	135	0	19.56			21.0	0.0
100	PI/2 BPSK	135	69	19.52			21.0	0.0
100	PI/2 BPSK	135	138	19.40			21.0	0.0
100	PI/2 BPSK	270	0	19.38				
100	QPSK	1	1	19.60				
100	QPSK	1	137	19.46			21.0	0.0
100	QPSK	1	271	19.55				
100	QPSK	135	0	19.51				
100	QPSK	135	69	19.56			21.0	0.0
100	QPSK	135	138	19.37			21.0	0.0
100	QPSK	270	0	19.34				
100	16QAM	1	1	19.49				
100	64QAM	1	1	19.42			21.0	0.0
100	256QAM	1	1	19.43			21.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	19.38	19.55	19.47	21.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510.01	(dBm)	(dB)
80	QPSK	1	1	19.42	19.39	19.45	21.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	19.57	19.43	19.51	21.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	19.47	19.42	19.39	21.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	19.48	19.44	19.42	21.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	19.50	19.48	19.34	21.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	19.53	19.55	19.44	21.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	19.43	19.51	19.40	21.0	0.0



Reduced Power Mode for 5G NR DSI 6-Standalone

n7 Ant0									
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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	20.91	21.05	20.92	22.4	0.0	
40	PI/2 BPSK	1	108	20.94	20.86	20.84			
40	PI/2 BPSK	1	214	20.80	20.95	20.91			
40	PI/2 BPSK	108	0	20.92	21.05	20.93	22.4	0.0	
40	PI/2 BPSK	108	54	20.84	21.03	20.94	22.4	0.0	
40	PI/2 BPSK	108	108	20.97	20.89	21.00	22.4	0.0	
40	PI/2 BPSK	216	0	20.80	20.87	21.03	22.4	0.0	
40	QPSK	1	1	21.09	21.15	21.01	22.4	0.0	
40	QPSK	1	108	20.81	20.85	20.95			
40	QPSK	1	214	20.88	20.96	20.84			
40	QPSK	108	0	20.83	21.01	21.01	22.4	0.0	
40	QPSK	108	54	21.07	21.12	21.08	22.4	0.0	
40	QPSK	108	108	20.97	20.99	20.85	22.4	0.0	
40	QPSK	216	0	21.04	21.11	20.98	22.4	0.0	
40	16QAM	1	1	20.88	20.96	20.91	22.4	0.0	
40	64QAM	1	1	20.45	20.46	20.38	21.5	0.9	
40	256QAM	1	1	18.64	18.75	18.68	19.5	2.9	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	PI/2 BPSK	1	1	20.90	20.95	20.93	22.4	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	PI/2 BPSK	1	1	20.82	21.03	20.94	22.4	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	20.77	20.95	20.98	22.4	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	20.97	20.87	20.96	22.4	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	20.93	21.07	20.84	22.4	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	21.00	21.05	20.96	22.4	0.0	

n66 Ant0									
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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	20.45	20.43	20.44	21.4	0.0	
40	PI/2 BPSK	1	108	20.45	20.52	20.48			
40	PI/2 BPSK	1	214	20.41	20.49	20.37			
40	PI/2 BPSK	108	0	20.36	20.41	20.33	21.4	0.0	
40	PI/2 BPSK	108	54	20.52	20.40	20.34	21.4	0.0	
40	PI/2 BPSK	108	108	20.41	20.41	20.43	21.4	0.0	
40	PI/2 BPSK	216	0	20.41	20.31	20.29	21.4	0.0	
40	QPSK	1	1	20.54	20.62	20.51	21.4	0.0	
40	QPSK	1	108	20.29	20.35	20.47			
40	QPSK	1	214	20.51	20.44	20.50			
40	QPSK	108	0	20.35	20.35	20.41	21.4	0.0	
40	QPSK	108	54	20.52	20.58	20.53	21.4	0.0	
40	QPSK	108	108	20.49	20.49	20.49	21.4	0.0	
40	QPSK	216	0	20.42	20.55	20.50	21.4	0.0	
40	16QAM	1	1	20.40	20.46	20.35	21.4	0.0	
40	64QAM	1	1	20.51	20.48	20.44	21.4	0.0	
40	256QAM	1	1	18.71	18.84	18.64	19.5	1.9	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	PI/2 BPSK	1	1	20.33	20.54	20.39	21.4	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	20.36	20.47	20.38	21.4	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	20.36	20.51	20.30	21.4	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	20.36	20.41	20.46	21.4	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.46	20.51	20.39	21.4	0.0	



n38 Ant0								
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		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	21.21	21.02	21.11	22.5	0.0
40	PI/2 BPSK	1	53	21.08	21.12	21.09		
40	PI/2 BPSK	1	104	21.02	21.09	21.20		
40	PI/2 BPSK	50	0	21.11	21.16	21.09	22.5	0.0
40	PI/2 BPSK	50	28	21.18	21.18	20.99	22.5	0.0
40	PI/2 BPSK	50	56	21.06	21.22	21.13	22.5	0.0
40	PI/2 BPSK	100	0	21.07	21.07	21.08		
40	QPSK	1	1	21.12	21.35	21.18	22.5	0.0
40	QPSK	1	53	21.14	21.08	21.02		
40	QPSK	1	104	21.08	21.14	21.05		
40	QPSK	50	0	21.14	21.21	21.04	22.5	0.0
40	QPSK	50	28	21.16	21.28	21.22	22.5	0.0
40	QPSK	50	56	21.14	21.08	21.19	22.5	0.0
40	QPSK	100	0	21.02	21.23	21.12		
40	16QAM	1	1	21.20	21.20	21.16	22.5	0.0
40	64QAM	1	1	21.14	21.06	21.12	22.0	0.5
40	256QAM	1	1	19.23	19.28	19.21	20.0	2.5
Channel				517002	518000	520998	Tune-up limit	MPR
Frequency (MHz)				2595.01	2595	2604.99	(dBm)	(dB)
30	QPSK	1	1	21.09	21.09	21.13	22.5	0.0
Channel				518000	519000	522000	Tune-up limit	MPR
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)
20	QPSK	1	1	21.14	21.09	21.06	22.5	0.0

n41 Ant0								
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	21.09	21.16	20.99	22.5	0.0
100	PI/2 BPSK	1	137	21.13	21.00	20.94		
100	PI/2 BPSK	1	271	20.93	21.02	21.00		
100	PI/2 BPSK	135	0	21.05	20.99	21.00	22.5	0.0
100	PI/2 BPSK	135	69	20.96	21.00	20.89	22.5	0.0
100	PI/2 BPSK	135	138	20.93	21.10	20.99	22.5	0.0
100	PI/2 BPSK	270	0	20.91	21.09	21.05		
100	QPSK	1	1	21.11	21.25	20.99	22.5	0.0
100	QPSK	1	137	21.11	20.95	21.06		
100	QPSK	1	271	21.03	21.17	21.03		
100	QPSK	135	0	21.10	20.88	21.10	22.5	0.0
100	QPSK	135	69	20.99	21.23	21.18	22.5	0.0
100	QPSK	135	138	21.13	20.99	21.05	22.5	0.0
100	QPSK	270	0	20.94	21.19	21.05		
100	16QAM	1	1	21.09	20.95	20.89	22.5	0.0
100	64QAM	1	1	20.99	20.97	21.00	22.0	0.5
100	256QAM	1	1	19.16	19.24	19.18	20.0	2.5
Channel				508200	518598	528998	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	21.10	21.00	21.05	22.5	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	21.05	21.12	20.88	22.5	0.0
Channel				505200	518598	531998	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	20.92	21.10	20.87	22.5	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	21.12	20.97	20.95	22.5	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	20.97	21.02	21.03	22.5	0.0
Channel				502200	518598	534998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	21.05	20.97	21.06	22.5	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	21.00	21.02	20.90	22.5	0.0



n5 Ant1									
EW (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	838			
20	PI2 BPSK	1	1	23.00	23.78	23.80			
20	PI2 BPSK	1	53	23.61	23.70	23.61	24.0	0.0	
20	PI2 BPSK	1	104	23.53	23.67	23.63			
20	PI2 BPSK	50	0	23.06	23.14	23.00	23.5	0.5	
20	PI2 BPSK	50	26	23.44	23.62	23.53	24.0	0.0	
20	PI2 BPSK	50	56	23.01	23.08	22.93			
20	PI2 BPSK	100	0	22.94	23.05	22.92	23.5	0.5	
20	QPSK	1	1	23.76	23.78	23.68			
20	QPSK	1	53	23.60	23.66	23.57	24.0	0.0	
20	QPSK	1	104	23.50	23.55	23.44			
20	QPSK	50	0	22.47	22.59	22.54	23.0	1.0	
20	QPSK	50	26	22.52	22.64	22.58	24.0	0.0	
20	QPSK	50	56	22.43	22.52	22.40			
20	QPSK	100	0	22.50	22.61	22.52	23.0	1.0	
20	16QAM	1	1	22.86	22.97	22.88	23.0	1.0	
20	16QAM	1	1	21.35	21.45	21.32	21.5	2.5	
20	256QAM	1	1	19.30	19.42	19.25	19.5	4.5	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	(dB)	(dB)	
15	QPSK	1	1	23.64	23.63	23.54	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	838.5	844	(dB)	(dB)	
10	QPSK	1	1	23.72	23.65	23.53	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				828.4	836.5	840.6	(dB)	(dB)	
5	QPSK	1	1	23.64	23.65	23.56	24.0	0.0	

n7 Ant1									
EW (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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	19.01	18.95	18.94			
40	PI2 BPSK	1	108	18.96	19.03	18.96	20.2	0.0	
40	PI2 BPSK	1	214	18.98	19.12	19.03			
40	PI2 BPSK	108	0	18.98	19.05	18.93	20.2	0.0	
40	PI2 BPSK	108	54	18.96	19.06	18.96	20.2	0.0	
40	PI2 BPSK	108	108	18.96	19.06	18.86			
40	PI2 BPSK	216	0	18.10	18.99	18.98	20.2	0.0	
40	QPSK	1	1	18.90	19.24	18.98			
40	QPSK	1	108	18.98	19.05	19.00	20.2	0.0	
40	QPSK	1	214	18.90	19.15	19.02			
40	QPSK	108	0	18.92	18.99	18.89	20.2	0.0	
40	QPSK	108	54	18.97	19.21	19.15	20.2	0.0	
40	QPSK	108	108	18.97	19.07	18.86			
40	QPSK	216	0	18.97	19.10	18.97	20.2	0.0	
40	16QAM	1	1	19.03	19.06	18.93	20.2	0.0	
40	16QAM	1	1	18.88	18.95	18.89	20.2	0.0	
40	256QAM	1	1	17.20	17.25	17.10	18.5	1.7	
Channel				503500	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	PI2 BPSK	1	1	18.94	19.13	18.86	20.2	0.0	
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	PI2 BPSK	1	1	18.99	18.97	18.84	20.2	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	QPSK	1	1	18.92	19.02	19.06	20.2	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	18.87	19.14	18.97	20.2	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	18.96	18.94	18.92	20.2	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	19.00	19.03	18.87	20.2	0.0	

n66 Ant1									
EW (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				344000	348000	352000			
Frequency (MHz)				1720	1745	1760			
40	PI2 BPSK	1	1	21.26	21.29	21.20			
40	PI2 BPSK	1	108	21.20	21.29	21.20	22.1	0.0	
40	PI2 BPSK	1	214	21.03	21.22	21.26			
40	PI2 BPSK	108	0	21.20	21.15	21.21	22.1	0.0	
40	PI2 BPSK	108	54	21.22	21.30	21.30	22.1	0.0	
40	PI2 BPSK	108	108	21.18	21.12	21.29			
40	PI2 BPSK	216	0	21.25	21.23	21.12	22.1	0.0	
40	QPSK	1	1	21.24	21.35	21.30			
40	QPSK	1	108	21.06	21.10	21.26	22.1	0.0	
40	QPSK	1	214	21.17	21.28	21.17			
40	QPSK	108	0	21.13	21.13	21.21	22.1	0.0	
40	QPSK	108	54	21.19	21.22	21.16	22.1	0.0	
40	QPSK	108	108	21.10	21.13	21.15			
40	QPSK	216	0	21.11	21.20	21.12	22.1	0.0	
40	16QAM	1	1	21.08	21.14	21.25	22.1	0.6	
40	16QAM	1	1	20.83	20.89	20.74	21.5	0.6	
40	256QAM	1	1	18.65	18.64	18.62	18.5	2.2	
Channel				343500	348000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	PI2 BPSK	1	1	21.25	21.24	21.11	22.1	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	21.24	21.29	21.15	22.1	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	21.23	21.22	21.19	22.1	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	21.25	21.24	21.13	22.1	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	21.12	21.17	21.26	22.1	0.0	



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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				850000	850000	862000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.90	21.91	21.84	22.5	0.0
100	PI/2 BPSK	1	137	21.87	21.94	21.91		
100	PI/2 BPSK	1	271	21.82	22.02	21.88		
100	PI/2 BPSK	135	0	21.98	21.82	21.75	22.5	0.0
100	PI/2 BPSK	135	69	21.91	21.94	21.86	22.5	0.0
100	PI/2 BPSK	135	138	21.82	21.97	21.97	22.5	0.0
100	PI/2 BPSK	270	0	21.83	22.00	21.86	22.5	0.0
100	QPSK	1	1	22.08	22.14	22.07		
100	QPSK	1	137	21.80	22.00	21.92		
100	QPSK	1	271	21.83	22.05	21.96	22.5	0.0
100	QPSK	135	0	21.95	21.86	21.82		
100	QPSK	135	69	22.05	22.11	22.03		
100	QPSK	135	138	21.81	22.01	21.98	22.5	0.0
100	QPSK	270	0	21.83	22.09	21.94	22.5	0.0
100	16QAM	1	1	21.78	21.90	21.79		
100	64QAM	1	1	21.09	21.08	20.99		
100	64QAM	1	1	19.03	19.10	19.09	19.5	3.0
100	256QAM	1	1	19.03	19.10	19.09	19.5	3.0
Channel				648668	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	21.88	21.85	21.94	22.5	0.0
Channel				649334	656000	662668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	21.83	21.92	21.94	22.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	21.76	21.93	21.76	22.5	0.0
Channel				648668	656000	663334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	21.92	21.95	21.78	22.5	0.0
Channel				648334	656000	663668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	22.00	22.00	21.93	22.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	QPSK	1	1	21.91	21.85	21.84	22.5	0.0
Channel				647668	656000	664334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3965.01	(dBm)	(dB)
30	QPSK	1	1	21.86	22.03	21.94	22.5	0.0
Channel				647334	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)
20	QPSK	1	1	21.90	21.85	21.92	22.5	0.0

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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				833334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		22.02		22.5	0.0
100	PI/2 BPSK	1	137		22.10			
100	PI/2 BPSK	1	271		22.04			
100	PI/2 BPSK	135	0		22.01		22.5	0.0
100	PI/2 BPSK	135	69		22.06		22.5	0.0
100	PI/2 BPSK	135	138		22.01		22.5	0.0
100	PI/2 BPSK	270	0		22.08		22.5	0.0
100	QPSK	1	1		22.19			
100	QPSK	1	137		22.09			
100	QPSK	1	271		22.04		22.5	0.0
100	QPSK	135	0		22.01			
100	QPSK	135	69		22.16			
100	QPSK	135	138		21.99		22.5	0.0
100	QPSK	270	0		22.15		22.5	0.0
100	16QAM	1	1		22.05			
100	64QAM	1	1		20.94			
100	256QAM	1	1		19.04		19.5	3.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	22.01	22.05	22.03	22.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	22.02	22.04	22.03	22.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	22.02	22.10	22.05	22.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	22.03	22.06	22.07	22.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	22.02	22.04	22.01	22.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	22.05	22.02	22.01	22.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	22.06	22.01	22.05	22.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	22.08	22.05	22.08	22.5	0.0



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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				850000	850000	850000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		22.10				
100	PI/2 BPSK	1	137		21.93		22.5	0.0	
100	PI/2 BPSK	1	271		21.93				
100	PI/2 BPSK	135	0		22.09		22.5	0.0	
100	PI/2 BPSK	135	69		22.07		22.5	0.0	
100	PI/2 BPSK	135	138		21.91				
100	PI/2 BPSK	270	0		22.00		22.5	0.0	
100	QPSK	1	1		22.12				
100	QPSK	1	137		21.88		22.5	0.0	
100	QPSK	1	271		22.03				
100	QPSK	135	0		21.94		22.5	0.0	
100	QPSK	135	69		22.08		22.5	0.0	
100	QPSK	135	138		22.00				
100	QPSK	270	0		22.07		22.5	0.0	
100	16QAM	1	1		21.94		22.5	0.0	
100	64QAM	1	1		22.06		22.5	0.0	
100	256QAM	1	1		21.06		21.5	1.0	
Channel				849668	850000	850334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		21.85	21.92	21.98	22.5	0.0
Channel				849334	850000	850668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		21.82	22.03	22.00	22.5	0.0
Channel				849000	850000	851000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		21.86	21.93	21.87	22.5	0.0
Channel				848668	850000	851334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		22.01	21.88	22.03	22.5	0.0
Channel				848334	850000	851668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		22.01	22.10	22.03	22.5	0.0
Channel				848000	850000	852000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		21.87	22.02	21.82	22.5	0.0
Channel				847668	850000	852334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		21.86	21.90	21.81	22.5	0.0
Channel				847334	850000	852668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		22.05	21.99	21.84	22.5	0.0

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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					833334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		22.04				
100	PI/2 BPSK	1	137		21.93		22.5	0.0	
100	PI/2 BPSK	1	271		22.11				
100	PI/2 BPSK	135	0		22.10		22.5	0.0	
100	PI/2 BPSK	135	69		22.01		22.5	0.0	
100	PI/2 BPSK	135	138		22.04				
100	PI/2 BPSK	270	0		22.02		22.5	0.0	
100	QPSK	1	1		22.22				
100	QPSK	1	137		21.98		22.5	0.0	
100	QPSK	1	271		22.00				
100	QPSK	135	0		21.88		22.5	0.0	
100	QPSK	135	69		22.17		22.5	0.0	
100	QPSK	135	138		21.90				
100	QPSK	270	0		22.12		22.5	0.0	
100	16QAM	1	1		21.96		22.5	0.0	
100	64QAM	1	1		22.02		22.5	0.0	
100	256QAM	1	1		21.11		21.5	1.0	
Channel				833000	833334	833668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		21.95	22.01	21.89	22.5	0.0
Channel				832668	833334	834000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		21.99	22.05	21.81	22.5	0.0
Channel				832334	833334	834334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		21.91	22.02	21.99	22.5	0.0
Channel				832000	833334	834668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		22.00	21.96	21.99	22.5	0.0
Channel				831668	833334	835000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		21.94	22.08	21.81	22.5	0.0
Channel				831334	833334	835334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		21.87	21.97	21.91	22.5	0.0
Channel				831000	833334	835668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		21.92	21.96	21.92	22.5	0.0
Channel				830668	833334	836000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		21.99	22.05	21.85	22.5	0.0



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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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		19.87		20.5	0.0	
100	PI/2 BPSK	1	137		20.01				
100	PI/2 BPSK	1	271		19.91				
100	PI/2 BPSK	135	0		20.04		20.5	0.0	
100	PI/2 BPSK	135	69		19.96		20.5	0.0	
100	PI/2 BPSK	135	138		20.03		20.5	0.0	
100	PI/2 BPSK	270	0		19.87		20.5	0.0	
100	QPSK	1	1		20.10		20.5	0.0	
100	QPSK	1	137		20.02				
100	QPSK	1	271		19.80				
100	QPSK	135	0		19.91		20.5	0.0	
100	QPSK	135	69		20.09		20.5	0.0	
100	QPSK	135	138		20.01		20.5	0.0	
100	QPSK	270	0		20.06		20.5	0.0	
100	16QAM	1	1		20.03		20.5	0.0	
100	64QAM	1	1		19.95		20.5	0.0	
100	256QAM	1	1		19.99		20.5	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		20.01	19.95	19.90	20.5	0.0
Channel				648334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		20.05	19.91	19.99	20.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		19.93	19.92	19.89	20.5	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		20.01	20.03	19.96	20.5	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		19.91	19.97	19.91	20.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		19.98	20.01	20.02	20.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		19.94	20.07	19.88	20.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		19.99	19.94	19.92	20.5	0.0

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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					633334				
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		19.90		20.5	0.0	
100	PI/2 BPSK	1	137		20.04				
100	PI/2 BPSK	1	271		19.93				
100	PI/2 BPSK	135	0		20.07		20.5	0.0	
100	PI/2 BPSK	135	69		20.08		20.5	0.0	
100	PI/2 BPSK	135	138		19.95		20.5	0.0	
100	PI/2 BPSK	270	0		20.02		20.5	0.0	
100	QPSK	1	1		20.10		20.5	0.0	
100	QPSK	1	137		19.93				
100	QPSK	1	271		19.89				
100	QPSK	135	0		20.10		20.5	0.0	
100	QPSK	135	69		20.05		20.5	0.0	
100	QPSK	135	138		19.96		20.5	0.0	
100	QPSK	270	0		20.09		20.5	0.0	
100	16QAM	1	1		20.04		20.5	0.0	
100	64QAM	1	1		20.04		20.5	0.0	
100	256QAM	1	1		19.94		20.5	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		19.92	19.81	19.91	20.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		19.93	19.87	19.95	20.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		19.94	19.85	19.85	20.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		19.93	19.79	19.85	20.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		19.96	19.79	19.96	20.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1		19.89	19.86	19.83	20.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		19.90	20.00	20.01	20.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		19.92	19.83	19.99	20.5	0.0



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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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	17.85	17.85	17.85	18.5	0.0
100	PI/2 BPSK	1	137	17.96	17.96	17.96		
100	PI/2 BPSK	1	271	17.87	17.87	17.87		
100	PI/2 BPSK	135	0	17.86	17.86	17.86	18.5	0.0
100	PI/2 BPSK	135	69	17.90	17.90	17.90	18.5	0.0
100	PI/2 BPSK	135	138	18.01	18.01	18.01	18.5	0.0
100	PI/2 BPSK	270	0	17.88	17.88	17.88	18.5	0.0
100	QPSK	1	1	18.06	18.06	18.06		
100	QPSK	1	137	17.92	17.92	17.92	18.5	0.0
100	QPSK	1	271	17.86	17.86	17.86		
100	QPSK	135	0	17.98	17.98	17.98	18.5	0.0
100	QPSK	135	69	18.05	18.05	18.05	18.5	0.0
100	QPSK	135	138	17.93	17.93	17.93	18.5	0.0
100	QPSK	270	0	18.04	18.04	18.04		
100	16QAM	1	1	17.98	17.98	17.98	18.5	0.0
100	64QAM	1	1	17.97	17.97	17.97	18.5	0.0
100	256QAM	1	1	17.85	17.85	17.85	18.5	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	17.83	17.96	17.87	18.5	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	18.01	18.02	17.89	18.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	18.02	17.81	17.92	18.5	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	17.89	18.00	17.89	18.5	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	18.01	17.84	17.81	18.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	17.85	17.98	17.89	18.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	17.91	17.94	17.92	18.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	17.81	17.81	17.81	18.5	0.0

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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					3500.01			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1	17.97	17.97	17.97	18.5	0.0
100	PI/2 BPSK	1	137	17.94	17.94	17.94		
100	PI/2 BPSK	1	271	17.88	17.88	17.88		
100	PI/2 BPSK	135	0	18.00	18.00	18.00	18.5	0.0
100	PI/2 BPSK	135	69	18.03	18.03	18.03	18.5	0.0
100	PI/2 BPSK	135	138	17.89	17.89	17.89	18.5	0.0
100	PI/2 BPSK	270	0	18.04	18.04	18.04		
100	QPSK	1	1	18.10	18.10	18.10		
100	QPSK	1	137	17.86	17.86	17.86	18.5	0.0
100	QPSK	1	271	17.92	17.92	17.92		
100	QPSK	135	0	17.87	17.87	17.87	18.5	0.0
100	QPSK	135	69	18.07	18.07	18.07	18.5	0.0
100	QPSK	135	138	17.95	17.95	17.95	18.5	0.0
100	QPSK	270	0	18.05	18.05	18.05		
100	16QAM	1	1	17.85	17.85	17.85	18.5	0.0
100	64QAM	1	1	17.95	17.95	17.95	18.5	0.0
100	256QAM	1	1	18.02	18.02	18.02	18.5	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	17.85	17.87	17.96	18.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510.01	(dBm)	(dB)
80	QPSK	1	1	18.00	17.82	17.96	18.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	17.94	17.94	17.84	18.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	18.03	18.02	18.00	18.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	17.86	18.01	17.84	18.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	18.01	17.91	17.83	18.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	18.00	18.04	17.94	18.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	18.04	17.98	18.03	18.5	0.0



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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				850000	850000	850000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	19.54			21.0	0.0
100	PI/2 BPSK	1	137	19.48				
100	PI/2 BPSK	1	271	19.62				
100	PI/2 BPSK	135	0	19.46			21.0	0.0
100	PI/2 BPSK	135	69	19.41			21.0	0.0
100	PI/2 BPSK	135	138	19.39			21.0	0.0
100	PI/2 BPSK	270	0	19.54			21.0	0.0
100	QPSK	1	1	19.64				
100	QPSK	1	137	19.44			21.0	0.0
100	QPSK	1	271	19.55				
100	QPSK	135	0	19.54			21.0	0.0
100	QPSK	135	69	19.61			21.0	0.0
100	QPSK	135	138	19.39			21.0	0.0
100	QPSK	270	0	19.41			21.0	0.0
100	16QAM	1	1	19.43			21.0	0.0
100	64QAM	1	1	19.52			21.0	0.0
100	256QAM	1	1	19.43			21.0	0.0
Channel				649668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	19.46	19.54	19.49	21.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	19.48	19.46	19.55	21.0	0.0
Channel				649000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	19.54	19.59	19.50	21.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	19.49	19.57	19.40	21.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	19.50	19.60	19.40	21.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	19.40	19.45	19.62	21.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	19.40	19.62	19.53	21.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	19.41	19.56	19.40	21.0	0.0

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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						3500.01		
Frequency (MHz)						3500.01		
100	PI/2 BPSK	1	1	19.57			21.0	0.0
100	PI/2 BPSK	1	137	19.40				
100	PI/2 BPSK	1	271	19.57				
100	PI/2 BPSK	135	0	19.56			21.0	0.0
100	PI/2 BPSK	135	69	19.52			21.0	0.0
100	PI/2 BPSK	135	138	19.40			21.0	0.0
100	PI/2 BPSK	270	0	19.38			21.0	0.0
100	QPSK	1	1	19.60				
100	QPSK	1	137	19.46			21.0	0.0
100	QPSK	1	271	19.55				
100	QPSK	135	0	19.51			21.0	0.0
100	QPSK	135	69	19.56			21.0	0.0
100	QPSK	135	138	19.37			21.0	0.0
100	QPSK	270	0	19.34			21.0	0.0
100	16QAM	1	1	19.49			21.0	0.0
100	64QAM	1	1	19.42			21.0	0.0
100	256QAM	1	1	19.43			21.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	19.38	19.55	19.47	21.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	19.42	19.39	19.45	21.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	19.57	19.43	19.51	21.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	19.47	19.42	19.39	21.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	19.48	19.44	19.42	21.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	19.50	19.48	19.34	21.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	19.53	19.55	19.44	21.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	19.43	19.51	19.40	21.0	0.0



Reduced Power Mode for 5GNR DSI 6-Simultaneous

n7 Ant0									
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				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	PI/2 BPSK	1	1	20.91	21.05	20.92	22.4	0.0	
40	PI/2 BPSK	1	108	20.94	20.86	20.84			
40	PI/2 BPSK	1	214	20.80	20.95	20.91			
40	PI/2 BPSK	108	0	20.92	21.05	20.93	22.4	0.0	
40	PI/2 BPSK	108	54	20.84	21.03	20.94	22.4	0.0	
40	PI/2 BPSK	108	108	20.97	20.89	21.00	22.4	0.0	
40	PI/2 BPSK	216	0	20.80	20.87	21.03			
40	QPSK	1	1	21.09	21.15	21.01			
40	QPSK	1	108	20.81	20.85	20.95	22.4	0.0	
40	QPSK	1	214	20.88	20.96	20.84			
40	QPSK	108	0	20.83	21.01	21.01			
40	QPSK	108	54	21.07	21.12	21.08	22.4	0.0	
40	QPSK	108	108	20.97	20.99	20.85	22.4	0.0	
40	QPSK	216	0	21.04	21.11	20.98			
40	16QAM	1	1	20.88	20.96	20.91			
40	64QAM	1	1	20.45	20.46	20.38	21.5	0.9	
40	256QAM	1	1	18.64	18.75	18.68	19.5	2.9	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	22.4	0.0	
30	PI/2 BPSK	1	1	20.90	20.95	20.93	22.4	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	22.4	0.0	
25	PI/2 BPSK	1	1	20.82	21.03	20.94	22.4	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	22.4	0.0	
20	QPSK	1	1	20.77	20.95	20.98	22.4	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	22.4	0.0	
15	QPSK	1	1	20.97	20.87	20.96	22.4	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	22.4	0.0	
10	QPSK	1	1	20.93	21.07	20.84	22.4	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	22.4	0.0	
5	QPSK	1	1	21.00	21.05	20.96	22.4	0.0	

n66 Ant0									
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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	20.45	20.43	20.44	21.4	0.0	
40	PI/2 BPSK	1	108	20.45	20.52	20.48			
40	PI/2 BPSK	1	214	20.41	20.49	20.37			
40	PI/2 BPSK	108	0	20.36	20.41	20.33	21.4	0.0	
40	PI/2 BPSK	108	54	20.52	20.40	20.34	21.4	0.0	
40	PI/2 BPSK	108	108	20.41	20.41	20.43	21.4	0.0	
40	PI/2 BPSK	216	0	20.41	20.31	20.29			
40	QPSK	1	1	20.54	20.62	20.51			
40	QPSK	1	108	20.29	20.35	20.47	21.4	0.0	
40	QPSK	1	214	20.51	20.44	20.50			
40	QPSK	108	0	20.35	20.35	20.41			
40	QPSK	108	54	20.52	20.58	20.53	21.4	0.0	
40	QPSK	108	108	20.49	20.40	20.49	21.4	0.0	
40	QPSK	216	0	20.42	20.55	20.50			
40	16QAM	1	1	20.40	20.46	20.35			
40	64QAM	1	1	20.51	20.48	20.44	21.4	0.0	
40	256QAM	1	1	18.71	18.84	18.64	19.5	1.9	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	21.4	0.0	
30	PI/2 BPSK	1	1	20.33	20.54	20.39	21.4	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	21.4	0.0	
20	QPSK	1	1	20.36	20.47	20.38	21.4	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	21.4	0.0	
15	QPSK	1	1	20.36	20.51	20.30	21.4	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	21.4	0.0	
10	QPSK	1	1	20.36	20.41	20.46	21.4	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	21.4	0.0	
5	QPSK	1	1	20.46	20.51	20.39	21.4	0.0	



n38 Ant0								
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		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	21.21	21.02	21.11		
40	PI/2 BPSK	1	53	21.08	21.12	21.09	22.5	0.0
40	PI/2 BPSK	1	104	21.02	21.09	21.20		
40	PI/2 BPSK	50	0	21.11	21.16	21.09	22.5	0.0
40	PI/2 BPSK	50	28	21.18	21.18	20.99	22.5	0.0
40	PI/2 BPSK	50	56	21.06	21.22	21.13		
40	PI/2 BPSK	100	0	21.07	21.07	21.08	22.5	0.0
40	QPSK	1	1	21.12	21.35	21.18		
40	QPSK	1	53	21.14	21.08	21.02	22.5	0.0
40	QPSK	1	104	21.08	21.14	21.05		
40	QPSK	50	0	21.14	21.21	21.04	22.5	0.0
40	QPSK	50	28	21.16	21.28	21.22	22.5	0.0
40	QPSK	50	56	21.14	21.08	21.19		
40	QPSK	100	0	21.02	21.23	21.12	22.5	0.0
40	16QAM	1	1	21.20	21.20	21.16	22.5	0.0
40	64QAM	1	1	21.14	21.06	21.12	22.0	0.5
40	256QAM	1	1	19.23	19.23	19.21	20.0	2.5
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	21.03	21.03	21.13	22.5	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	21.14	21.09	21.08	22.5	0.0

n41 Ant0								
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	21.09	21.16	20.99		
100	PI/2 BPSK	1	137	21.13	21.00	20.94	22.5	0.0
100	PI/2 BPSK	1	271	20.93	21.02	21.00		
100	PI/2 BPSK	135	0	21.05	20.99	21.00	22.5	0.0
100	PI/2 BPSK	135	69	20.96	21.00	20.89	22.5	0.0
100	PI/2 BPSK	135	138	20.93	21.10	20.99		
100	PI/2 BPSK	270	0	20.91	21.09	21.05	22.5	0.0
100	QPSK	1	1	21.11	21.25	20.99		
100	QPSK	1	137	21.11	20.95	21.06	22.5	0.0
100	QPSK	1	271	21.03	21.17	21.03		
100	QPSK	135	0	21.10	20.98	21.10	22.5	0.0
100	QPSK	135	69	20.99	21.23	21.18	22.5	0.0
100	QPSK	135	138	21.13	20.99	21.05		
100	QPSK	270	0	20.94	21.19	21.05	22.5	0.0
100	16QAM	1	1	21.09	20.95	20.89	22.5	0.0
100	64QAM	1	1	20.99	20.97	21.00	22.0	0.5
100	256QAM	1	1	19.16	19.24	19.18	20.0	2.5
Channel				508200	518598	528998		
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.10	21.00	21.05	22.5	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.05	21.12	20.88	22.5	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.92	21.10	20.87	22.5	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.12	20.97	20.95	22.5	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.97	21.02	21.03	22.5	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.05	20.97	21.06	22.5	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.00	21.02	20.90	22.5	0.0



n5 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.80	23.75	23.69		
20	PI/2 BPSK	1	53	23.61	23.70	23.61	24.0	0.0
20	PI/2 BPSK	1	104	23.53	23.57	23.53		
20	PI/2 BPSK	50	0	23.06	23.14	23.00	23.5	0.5
20	PI/2 BPSK	50	28	23.48	23.62	23.53	24.0	0.0
20	PI/2 BPSK	50	56	23.01	23.08	22.93		
20	PI/2 BPSK	100	0	22.94	23.05	22.92	23.5	0.5
20	QPSK	1	1	23.76	23.78	23.68		
20	QPSK	1	53	23.60	23.68	23.57	24.0	0.0
20	QPSK	1	104	23.50	23.55	23.44		
20	QPSK	50	0	22.47	22.59	22.54	23.0	1.0
20	QPSK	50	28	23.52	23.64	23.58	24.0	0.0
20	QPSK	50	56	22.43	22.52	22.40	23.0	1.0
20	QPSK	100	0	22.50	22.57	22.52		
20	16QAM	1	1	22.86	22.97	22.88	23.0	1.0
20	64QAM	1	1	21.35	21.45	21.32	21.5	2.5
20	256QAM	1	1	19.35	19.42	19.29	19.5	4.5
Channel				165300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.64	23.63	23.54	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.72	23.65	23.53	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				836.5	836.5	846.5		
5	QPSK	1	1	23.64	23.68	23.58	24.0	0.0

n7 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	PI/2 BPSK	1	1	18.55	18.44	18.36		
40	PI/2 BPSK	1	108	18.43	18.50	18.42	19.7	0.0
40	PI/2 BPSK	1	214	18.64	18.54	18.55		
40	PI/2 BPSK	108	0	18.58	18.37	18.31	19.7	0.0
40	PI/2 BPSK	108	54	18.37	18.61	18.36	19.7	0.0
40	PI/2 BPSK	108	108	18.37	18.53	18.28		
40	PI/2 BPSK	216	0	18.49	18.52	18.40	19.7	0.0
40	QPSK	1	1	18.36	18.73	18.53		
40	QPSK	1	108	18.52	18.50	18.54	19.7	0.0
40	QPSK	1	214	18.41	18.61	18.44		
40	QPSK	108	0	18.45	18.51	18.37	19.7	0.0
40	QPSK	108	54	18.40	18.70	18.37	19.7	0.0
40	QPSK	108	108	18.52	18.51	18.30		
40	QPSK	216	0	18.45	18.65	18.37	19.7	0.0
40	16QAM	1	1	18.56	18.58	18.33	19.7	0.0
40	64QAM	1	1	18.38	18.49	18.30	19.7	0.0
40	256QAM	1	1	16.81	16.95	16.78	18.5	1.2
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	PI/2 BPSK	1	1	18.39	18.48	18.56	19.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	PI/2 BPSK	1	1	18.43	18.63	18.44	19.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	18.54	18.56	18.46	19.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	18.42	18.47	18.54	19.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	18.54	18.63	18.44	19.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	18.45	18.56	18.53	19.7	0.0



n66 Ant1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	Pl/2 BPSK	1	1	20.46	20.60	20.55	21.6	0.0
40	Pl/2 BPSK	1	108	20.67	20.60	20.58		
40	Pl/2 BPSK	1	214	20.56	20.63	20.54		
40	Pl/2 BPSK	108	0	20.70	20.67	20.69	21.6	0.0
40	Pl/2 BPSK	108	54	20.65	20.68	20.51	21.6	0.0
40	Pl/2 BPSK	108	108	20.62	20.66	20.66	21.6	0.0
40	Pl/2 BPSK	216	0	20.52	20.52	20.45		
40	QPSK	1	1	20.78	20.62	20.77	21.6	0.0
40	QPSK	1	108	20.52	20.55	20.58		
40	QPSK	1	214	20.54	20.55	20.57		
40	QPSK	108	0	20.52	20.72	20.63	21.6	0.0
40	QPSK	108	54	20.76	20.79	20.74	21.6	0.0
40	QPSK	108	108	20.69	20.69	20.59	21.6	0.0
40	QPSK	216	0	20.63	20.78	20.68		
40	16QAM	1	1	20.53	20.73	20.57	21.6	0.0
40	64QAM	1	1	20.55	20.67	20.49	21.5	0.1
40	256QAM	1	1	18.70	18.60	18.72	19.5	2.1
Channel				345000	349000	353000	Tune-up limit	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	Pl/2 BPSK	1	1	20.51	20.68	20.48	21.6	0.0
Channel				344000	349000	354000	Tune-up limit	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	20.48	20.50	20.48	21.6	0.0
Channel				343500	349000	354500	Tune-up limit	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	20.64	20.57	20.50	21.6	0.0
Channel				343000	349000	355000	Tune-up limit	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	20.61	20.64	20.59	21.6	0.0
Channel				342500	349000	355500	Tune-up limit	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	20.61	20.58	20.68	21.6	0.0



Par270 n77 Ant2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.69	21.61	21.60		
100	PI/2 BPSK	1	137	21.80	21.71	21.53	22.0	0.0
100	PI/2 BPSK	1	271	21.62	21.49	21.57		
100	PI/2 BPSK	135	0	21.66	21.48	21.50	22.0	0.0
100	PI/2 BPSK	135	69	21.49	21.55	21.51	22.0	0.0
100	PI/2 BPSK	135	138	21.80	21.59	21.58	22.0	0.0
100	PI/2 BPSK	270	0	21.55	21.52	21.49		
100	QPSK	1	1	21.62	21.75	21.56		
100	QPSK	1	137	21.64	21.53	21.71	22.0	0.0
100	QPSK	1	271	21.69	21.51	21.66		
100	QPSK	135	0	21.56	21.67	21.64	22.0	0.0
100	QPSK	135	69	21.62	21.72	21.55	22.0	0.0
100	QPSK	135	138	21.71	21.51	21.57	22.0	0.0
100	QPSK	270	0	21.66	21.71	21.52		
100	16QAM	1	1	21.54	21.59	21.67	22.0	0.0
100	64QAM	1	1	20.51	20.54	20.49	21.5	0.5
100	256QAM	1	1	19.04	19.20	19.00	19.5	2.5
Channel				648688	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.54	21.50	21.52	22.0	0.0
Channel				646334	656000	662688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.68	21.52	21.50	22.0	0.0
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.69	21.64	21.61	22.0	0.0
Channel				646868	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.55	21.52	21.62	22.0	0.0
Channel				646334	656000	663688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.55	21.71	21.71	22.0	0.0
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.57	21.51	21.57	22.0	0.0
Channel				647688	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.59	21.62	21.65	22.0	0.0
Channel				647334	656000	664688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.70	21.49	21.56	22.0	0.0

Part27Q n77 Ant2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.58			
100	PI/2 BPSK	1	137		21.62		22.0	0.0
100	PI/2 BPSK	1	271		21.68			
100	PI/2 BPSK	135	0		21.58		22.0	0.0
100	PI/2 BPSK	135	69		21.62		22.0	0.0
100	PI/2 BPSK	135	138		21.62		22.0	0.0
100	PI/2 BPSK	270	0		21.48			
100	QPSK	1	1		21.69			
100	QPSK	1	137		21.67		22.0	0.0
100	QPSK	1	271		21.62			
100	QPSK	135	0		21.55		22.0	0.0
100	QPSK	135	69		21.68		22.0	0.0
100	QPSK	135	138		21.50		22.0	0.0
100	QPSK	270	0		21.65			
100	16QAM	1	1		21.61		22.0	0.0
100	64QAM	1	1		20.51		21.5	0.5
100	256QAM	1	1		19.15		19.5	2.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.57	21.45	21.53	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.61	21.45	21.53	22.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.53	21.48	21.51	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.53	21.59	21.55	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.57	21.48	21.43	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.44	21.57	21.59	22.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.43	21.58	21.44	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.45	21.42	21.55	22.0	0.0



Part270 n78 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1	21.51	21.51		22.0	0.0	
100	PI/2 BPSK	1	137	21.48	21.48				
100	PI/2 BPSK	1	271	21.32	21.32				
100	PI/2 BPSK	135	0	21.54	21.54		22.0	0.0	
100	PI/2 BPSK	135	69	21.55	21.55		22.0	0.0	
100	PI/2 BPSK	135	138	21.51	21.51		22.0	0.0	
100	PI/2 BPSK	270	0	21.36	21.36				
100	QPSK	1	1	21.61	21.61				
100	QPSK	1	137	21.39	21.39		22.0	0.0	
100	QPSK	1	271	21.31	21.31				
100	QPSK	135	0	21.59	21.59		22.0	0.0	
100	QPSK	135	69	21.39	21.39		22.0	0.0	
100	QPSK	135	138	21.44	21.44		22.0	0.0	
100	QPSK	270	0	21.58	21.58				
100	16QAM	1	1	21.42	21.42		22.0	0.0	
100	64QAM	1	1	21.37	21.37		22.0	0.0	
100	256QAM	1	1	21.02	21.02		21.5	0.5	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	22.0	0.0	
90	QPSK	1	1	21.51	21.44	21.43			
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	22.0	0.0	
80	QPSK	1	1	21.37	21.51	21.33			
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	22.0	0.0	
70	QPSK	1	1	21.33	21.40	21.31			
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	22.0	0.0	
60	QPSK	1	1	21.30	21.36	21.43			
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	22.0	0.0	
50	QPSK	1	1	21.33	21.35	21.35			
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	22.0	0.0	
40	QPSK	1	1	21.34	21.50	21.31			
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	22.0	0.0	
30	QPSK	1	1	21.51	21.38	21.34			
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	22.0	0.0	
20	QPSK	1	1	21.49	21.36	21.47			

Part27Q 78 Ant2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI/2 BPSK	1	1	21.51	21.51		22.0	0.0	
100	PI/2 BPSK	1	137	21.53	21.53				
100	PI/2 BPSK	1	271	21.35	21.35				
100	PI/2 BPSK	135	0	21.38	21.38		22.0	0.0	
100	PI/2 BPSK	135	69	21.40	21.40		22.0	0.0	
100	PI/2 BPSK	135	138	21.45	21.45		22.0	0.0	
100	PI/2 BPSK	270	0	21.37	21.37				
100	QPSK	1	1	21.59	21.59				
100	QPSK	1	137	21.50	21.50		22.0	0.0	
100	QPSK	1	271	21.51	21.51				
100	QPSK	135	0	21.37	21.37		22.0	0.0	
100	QPSK	135	69	21.56	21.56		22.0	0.0	
100	QPSK	135	138	21.35	21.35		22.0	0.0	
100	QPSK	270	0	21.54	21.54				
100	16QAM	1	1	21.42	21.42		22.0	0.0	
100	64QAM	1	1	21.41	21.41		22.0	0.0	
100	256QAM	1	1	21.04	21.04		21.5	0.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	22.0	0.0	
90	QPSK	1	1	21.41	21.48	21.52			
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	22.0	0.0	
80	QPSK	1	1	21.50	21.32	21.30			
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	22.0	0.0	
70	QPSK	1	1	21.48	21.48	21.48			
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	22.0	0.0	
60	QPSK	1	1	21.32	21.48	21.43			
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	22.0	0.0	
50	QPSK	1	1	21.57	21.33	21.31			
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	22.0	0.0	
40	QPSK	1	1	21.33	21.44	21.53			
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02	22.0	0.0	
30	QPSK	1	1	21.49	21.49	21.46			
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	22.0	0.0	
20	QPSK	1	1	21.46	21.33	21.44			



Part270 n78 Ant4									
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	19.39					
100	PI/2 BPSK	1	137	18.51			20.0	0.0	
100	PI/2 BPSK	1	271	19.40					
100	PI/2 BPSK	135	0	19.54			20.0	0.0	
100	PI/2 BPSK	135	69	19.47			20.0	0.0	
100	PI/2 BPSK	135	138	19.40			20.0	0.0	
100	PI/2 BPSK	270	0	19.54					
100	QPSK	1	1	19.58					
100	QPSK	1	137	19.43			20.0	0.0	
100	QPSK	1	271	19.35					
100	QPSK	135	0	19.54			20.0	0.0	
100	QPSK	135	69	19.58			20.0	0.0	
100	QPSK	135	138	19.45			20.0	0.0	
100	QPSK	270	0	19.58					
100	16QAM	1	1	19.45			20.0	0.0	
100	64QAM	1	1	19.43			20.0	0.0	
100	256QAM	1	1	19.51			20.0	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	19.43	19.55	19.47	20.0	0.0	
Channel				648334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	19.33	19.47	19.50	20.0	0.0	
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	19.43	19.55	19.45	20.0	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	19.55	19.55	19.45	20.0	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	19.42	19.47	19.47	20.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	19.55	19.50	19.43	20.0	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	19.55	19.57	19.52	20.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	19.44	19.53	19.53	20.0	0.0	

Part27Q 78 Ant4									
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			
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI/2 BPSK	1	1	19.44					
100	PI/2 BPSK	1	137	19.57			20.0	0.0	
100	PI/2 BPSK	1	271	19.32					
100	PI/2 BPSK	135	0	19.44			20.0	0.0	
100	PI/2 BPSK	135	69	19.47			20.0	0.0	
100	PI/2 BPSK	135	138	19.55			20.0	0.0	
100	PI/2 BPSK	270	0	19.46					
100	QPSK	1	1	19.60					
100	QPSK	1	137	19.45			20.0	0.0	
100	QPSK	1	271	19.42					
100	QPSK	135	0	19.58			20.0	0.0	
100	QPSK	135	69	19.59			20.0	0.0	
100	QPSK	135	138	19.31			20.0	0.0	
100	QPSK	270	0	19.60					
100	16QAM	1	1	19.51			20.0	0.0	
100	64QAM	1	1	19.47			20.0	0.0	
100	256QAM	1	1	19.49			20.0	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	19.34	19.51	19.51	20.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	19.46	19.31	19.40	20.0	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	19.49	19.47	19.43	20.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	19.40	19.37	19.53	20.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	19.49	19.53	19.48	20.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	19.44	19.45	19.52	20.0	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	19.46	19.43	19.46	20.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	19.31	19.54	19.49	20.0	0.0	



Part270 n78 Ant6									
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	17.99					
100	PI/2 BPSK	1	137	17.97			18.5	0.0	
100	PI/2 BPSK	1	271	17.92					
100	PI/2 BPSK	135	0	17.95			18.5	0.0	
100	PI/2 BPSK	135	69	17.98			18.5	0.0	
100	PI/2 BPSK	135	138	17.95					
100	PI/2 BPSK	270	0	17.87			18.5	0.0	
100	QPSK	1	1	18.06					
100	QPSK	1	137	17.99			18.5	0.0	
100	QPSK	1	271	17.78					
100	QPSK	135	0	18.01			18.5	0.0	
100	QPSK	135	69	18.04			18.5	0.0	
100	QPSK	135	138	17.94					
100	QPSK	270	0	18.05			18.5	0.0	
100	16QAM	1	1	17.88			18.5	0.0	
100	64QAM	1	1	18.01			18.5	0.0	
100	256QAM	1	1	17.86			18.5	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	17.82	17.89	17.83	18.5	0.0	
Channel				648334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	18.00	17.97	17.97	18.5	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	17.85	17.85	18.00	18.5	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	17.88	17.84	17.83	18.5	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	17.88	18.07	17.85	18.5	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	17.88	17.84	17.84	18.5	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	17.89	17.88	18.06	18.5	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	17.87	18.00	18.04	18.5	0.0	

Part27Q 78 Ant6									
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)					633334				
100	PI/2 BPSK	1	1	17.92					
100	PI/2 BPSK	1	137	18.01			18.5	0.0	
100	PI/2 BPSK	1	271	17.95					
100	PI/2 BPSK	135	0	17.96			18.5	0.0	
100	PI/2 BPSK	135	69	17.98			18.5	0.0	
100	PI/2 BPSK	135	138	17.96					
100	PI/2 BPSK	270	0	18.03			18.5	0.0	
100	QPSK	1	1	18.07					
100	QPSK	1	137	17.79			18.5	0.0	
100	QPSK	1	271	17.79					
100	QPSK	135	0	18.00			18.5	0.0	
100	QPSK	135	69	18.07			18.5	0.0	
100	QPSK	135	138	17.89					
100	QPSK	270	0	18.06			18.5	0.0	
100	16QAM	1	1	17.87			18.5	0.0	
100	64QAM	1	1	17.89			18.5	0.0	
100	256QAM	1	1	17.81			18.5	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	17.83	17.92	17.98	18.5	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	17.84	18.00	18.01	18.5	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	17.81	17.81	17.99	18.5	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	17.84	17.87	17.82	18.5	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	17.82	17.81	17.89	18.5	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	17.87	17.88	17.98	18.5	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	18.01	17.99	18.01	18.5	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	17.94	17.96	17.86	18.5	0.0	



Part270 n78 Ant7									
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	19.54	19.54	19.54			
100	PI/2 BPSK	1	137	19.48	19.48	19.48	21.0	0.0	
100	PI/2 BPSK	1	271	19.62	19.62	19.62			
100	PI/2 BPSK	135	0	19.46	19.46	19.46	21.0	0.0	
100	PI/2 BPSK	135	69	19.41	19.41	19.41	21.0	0.0	
100	PI/2 BPSK	135	138	19.39	19.39	19.39			
100	PI/2 BPSK	270	0	19.54	19.54	19.54	21.0	0.0	
100	QPSK	1	1	19.64	19.64	19.64			
100	QPSK	1	137	19.44	19.44	19.44	21.0	0.0	
100	QPSK	1	271	19.55	19.55	19.55			
100	QPSK	135	0	19.54	19.54	19.54	21.0	0.0	
100	QPSK	135	69	19.61	19.61	19.61	21.0	0.0	
100	QPSK	135	138	19.39	19.39	19.39			
100	QPSK	270	0	19.41	19.41	19.41	21.0	0.0	
100	16QAM	1	1	19.43	19.43	19.43	21.0	0.0	
100	64QAM	1	1	19.52	19.52	19.52	21.0	0.0	
100	256QAM	1	1	19.46	19.46	19.46	21.0	0.0	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1	19.46	19.54	19.49	21.0	0.0	
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1	19.43	19.46	19.55	21.0	0.0	
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1	19.54	19.59	19.50	21.0	0.0	
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1	19.49	19.57	19.40	21.0	0.0	
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1	19.50	19.60	19.40	21.0	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1	19.40	19.45	19.62	21.0	0.0	
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1	19.40	19.62	19.53	21.0	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1	19.41	19.56	19.40	21.0	0.0	

Part27Q 78 Ant7									
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			
Frequency (MHz)				3500.01	3500.01	3500.01			
100	PI/2 BPSK	1	1	19.57	19.57	19.57			
100	PI/2 BPSK	1	137	19.40	19.40	19.40	21.0	0.0	
100	PI/2 BPSK	1	271	19.57	19.57	19.57			
100	PI/2 BPSK	135	0	19.56	19.56	19.56	21.0	0.0	
100	PI/2 BPSK	135	69	19.52	19.52	19.52	21.0	0.0	
100	PI/2 BPSK	135	138	19.40	19.40	19.40			
100	PI/2 BPSK	270	0	19.38	19.38	19.38	21.0	0.0	
100	QPSK	1	1	19.60	19.60	19.60			
100	QPSK	1	137	19.46	19.46	19.46	21.0	0.0	
100	QPSK	1	271	19.55	19.55	19.55			
100	QPSK	135	0	19.51	19.51	19.51	21.0	0.0	
100	QPSK	135	69	19.56	19.56	19.56	21.0	0.0	
100	QPSK	135	138	19.37	19.37	19.37			
100	QPSK	270	0	19.34	19.34	19.34	21.0	0.0	
100	16QAM	1	1	19.49	19.49	19.49	21.0	0.0	
100	64QAM	1	1	19.42	19.42	19.42	21.0	0.0	
100	256QAM	1	1	19.43	19.43	19.43	21.0	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1	19.38	19.35	19.47	21.0	0.0	
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1	19.42	19.39	19.45	21.0	0.0	
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1	19.57	19.43	19.51	21.0	0.0	
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1	19.47	19.42	19.39	21.0	0.0	
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1	19.48	19.44	19.42	21.0	0.0	
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	1	19.50	19.48	19.34	21.0	0.0	
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1	19.53	19.55	19.44	21.0	0.0	
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1	19.43	19.51	19.40	21.0	0.0	



Ant 5+4		Full power For Body-worn Standalone For Body-worn DBS Only For Handheld Standalone For Handheld DBS Only				For Body-worn WWAN + non DBS		For Head Standalone		For Handheld WWAN+non DBS For Handheld WWAN+DBS		For Head DBS Only		For Body-worn WWAN + DBS		For Head WWAN+non DBS		For Head WWAN+DBS		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.62	19.00	18.50	17.50	16.50	16.00	15.50	13.00	10.00	89.93								
		116	5580	18.45	20.00	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
		140	5700	18.64	20.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
		144	5720	18.81	20.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
	802.11n-HT20 MCS0	100	5500	17.48	19.00	18.50	17.50	16.50	16.00	15.50	13.00	10.00	88.87								
		116	5580	17.17	19.00	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
		140	5700	17.30	19.00	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
		144	5720	17.55	19.00	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
	802.11n-HT40 MCS0	102	5510	16.94	18.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00	88.56								
		110	5550	17.85	19.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
		134	5670	17.74	19.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
		142	5710	17.83	19.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
	802.11ac- VHT20 MCS0	100	5500	18.52	20.00	18.50	17.50	16.50	16.00	15.50	13.00	10.00	88.87								
		116	5580	18.12	20.00	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
		140	5700	18.32	20.00	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
		144	5720	18.55	20.00	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
	802.11ac- VHT40 MCS0	102	5510	16.98	18.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00	88.56								
		110	5550	18.96	20.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
		134	5670	18.74	20.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
		142	5710	18.98	20.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
	802.11ac- VHT80 MCS0	106	5530	16.17	17.50	16.17	17.50	14.77	16.00	14.27	16.00	13.71	15.50	11.17	13.00	8.07	10.00	86.31			
		122	5610	17.72	19.00	16.75	18.50	15.77	17.50	14.82	16.50	14.32	16.00	13.80	15.50	11.38	13.00		8.12	10.00	
		138	5690	17.38	19.00	16.51	18.50	15.43	17.00	14.48	16.00	13.98	15.50	13.41	15.00	10.88	12.50		7.78	9.50	
		114	5570	14.76	16.50	16.50	16.50	16.50	16.00	16.00	15.50	13.00	10.00	10.00	10.00	8.61	10.00				
	802.11ac- HE20 MCS0	100	5500	17.99	19.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00	89.35								
		116	5580	18.35	20.00	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
		140	5700	18.56	20.00	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
		144	5720	18.73	20.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
	802.11ac- HE40 MCS0	102	5510	17.33	18.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00	86.69								
		110	5550	17.21	18.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
		134	5670	17.10	18.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
		142	5710	17.31	18.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
	802.11ac- HE80 MCS0	106	5530	16.46	18.00	18.00	17.50	16.50	16.00	15.50	13.00	10.00	86.07								
		122	5610	16.63	18.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
		138	5690	17.04	18.50	18.50	17.50	16.50	16.00	15.50	13.00	10.00									
		114	5570	14.64	16.00	16.00	16.00	16.00	16.00	15.50	13.00	10.00		8.64	10.00						

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.

Ant 5+4		Full power For Body-worn Standalone For Handheld Standalone				For Handheld DBS Only		For Head Standalone For Body-worn DBS Only		For Head DBS Only		For Handheld WWAN + non DBS For Handheld WWAN + DBS		For Hotspot WWAN+non DBS For Body-worn WWAN + non DBS		For Head WWAN+non DBS		For Hotspot WWAN+DBS For Body-worn WWAN + DBS		For Head WWAN+DBS		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	19.10	21.00	19.00	17.50	17.00	16.00	15.00	12.00	11.00	89.93										
		157	5785	19.21	21.00	19.00	17.50	17.00	16.00	15.00	14.00	11.00											
		165	5825	19.10	21.00	19.00	17.50	17.00	16.00	15.00	14.00	11.00											
	802.11n-HT20 MCS0	149	5745	17.76	19.50	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00	88.87									
		157	5785	17.84	19.50	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00										
		165	5825	17.87	19.50	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00										
	802.11n-HT40 MCS0	151	5755	18.42	20.00	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00	88.56									
		159	5795	18.58	20.00	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00										
		149	5745	18.76	20.50	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00										
	802.11ac- VHT20 MCS0	157	5785	18.89	20.50	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00	88.87									
		165	5825	18.79	20.50	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00										
		151	5755	19.31	21.00	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00										
	802.11ac- VHT40 MCS0	159	5795	19.46	21.00	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00	88.56									
		155	5775	18.11	19.50	17.16	19.00	16.26	17.50	15.26	17.00	14.31	16.00		13.31	15.00	12.31	14.00	10.41	12.00	9.26	11.00	86.31
		149	5745	18.96	20.50	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00										
	802.11ac- HE20 MCS0	157	5785	19.13	20.50	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00	89.35									
		165	5825	19.04	20.50	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00										
		151	5755	17.61	19.50	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00										
	802.11ac- HE40 MCS0	159	5795	17.84	19.50	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00	86.69									
		155	5775	17.70	19.50	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00										
		155	5775	17.70	19.50	19.00	17.50	17.00	16.00	15.00	14.00	12.00	11.00										

Note: The 5GHz WLAN can transmit in MIMO antenna mode only and it has no SISO antenna mode.



BT BR/EDR Ant 5

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	10.20	7.80	7.80	12.00
	CH 39	2441	11.00	8.70	8.70	12.50
	CH 78	2480	9.70	7.20	7.20	11.50

BLE_1M Ant 5

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit
LE	CH 00	2402	7.70	9.50
	CH 19	2440	8.50	10.00
	CH 39	2480	7.00	8.50

BLE_2M Ant 5

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit
LE	CH 00	2402	7.60	9.50
	CH 19	2440	8.40	10.00
	CH 39	2480	6.90	8.50

BT BR/EDR Ant 3

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-up Limit
			1Mbps	2Mbps	3Mbps	
BR / EDR	CH 00	2402	10.20	8.30	8.30	12.00
	CH 39	2441	11.00	8.80	8.80	12.50
	CH 78	2480	9.60	7.50	7.50	11.50

BLE_1M Ant 3

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit
LE	CH 00	2402	8.40	10.00
	CH 19	2440	8.90	10.50
	CH 39	2480	7.40	9.00

BLE_2M Ant 3

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit
LE	CH 00	2402	8.30	10.00
	CH 19	2440	8.80	10.50
	CH 39	2480	7.30	9.00