

10736	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc dc)	WLAN	8.27	± 9.6 %
10737	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	± 9.6 %
10738	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	± 9.6 %
10739	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc dc)	WLAN	8.29	± 9.6 %
10740	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8.48	± 9.6 %
10741	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	± 9.6 %
10742	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	± 9.6 %
10743	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc dc)	WLAN	8.94	± 9.6 %
10744	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	± 9.6 %
10745	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc dc)	WLAN	8.93	± 9.6 %
10746	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc dc)	WLAN	9.11	± 9.6 %
10747	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc dc)	WLAN	9.04	± 9.6 %
10748	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc dc)	WLAN	8.93	± 9.6 %
10749	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc dc)	WLAN	8.90	± 9.6 %
10750	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 %
10751	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
10752	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc dc)	WLAN	8.81	± 9.6 %
10753	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc dc)	WLAN	9.00	± 9.6 %
10754	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	± 9.6 %
10755	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAA	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	AAB	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	AAB	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	AAB	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	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAC	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAC	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	AAC	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	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10830	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10834	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10836	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 9.6 %
10840	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAC	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10863	AAC	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAC	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAC	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAC	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	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10899	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAA	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAA	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAA	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAA	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAA	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAA	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAA	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAA	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAA	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAA	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAA	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAA	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	AAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10937	AAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAA	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 %
10939	AAA	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAA	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAA	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAA	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAA	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAA	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAA	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAA	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAA	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAA	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAA	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %

10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	± 9.6 %
10963	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAA	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %

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



Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.

Full Power Mode

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189	251	128	189	251	
Frequency (MHz)		824.2	836.4	848.8	824.2	836.4	848.8	
GSM 1 Tx slot		32.78	32.63	32.60	33.50	23.78	23.63	23.60
GPRS 1 Tx slot		32.77	32.62	32.58	33.50	23.77	23.62	23.58
GPRS 2 Tx slots		30.95	31.05	30.91	31.50	24.95	25.05	24.91
GPRS 3 Tx slots		30.39	30.27	30.14	31.00	26.13	26.01	25.88
GPRS 4 Tx slots		28.53	28.45	28.55	29.50	25.53	25.45	25.55
EDGE 1 Tx slot		26.91	27.05	26.96	27.50	17.91	18.05	17.96
EDGE 2 Tx slots		25.73	25.93	25.98	26.50	19.73	19.93	19.98
EDGE 3 Tx slots		24.21	24.29	24.27	24.50	19.95	20.03	20.01
EDGE 4 Tx slots		22.56	22.51	22.52	23.50	19.56	19.51	19.52

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661	810	512	661	810	
Frequency (MHz)		1852.2	1850	1859.8	1852.2	1850	1859.8	
GSM 1 Tx slot		29.88	29.81	29.94	30.50	20.86	20.81	20.94
GPRS 1 Tx slot		29.85	29.79	29.93	30.50	20.85	20.79	20.93
GPRS 2 Tx slots		28.99	29.01	29.10	29.50	22.99	23.01	23.10
GPRS 3 Tx slots		27.58	27.61	27.71	28.00	23.32	23.35	23.45
GPRS 4 Tx slots		25.96	26.06	26.20	26.50	22.96	23.06	23.20
EDGE 1 Tx slot		26.75	26.82	26.93	27.50	17.75	17.82	17.93
EDGE 2 Tx slots		25.31	25.34	25.42	25.50	19.31	19.34	19.42
EDGE 3 Tx slots		24.14	24.23	24.31	24.50	19.88	19.97	20.05
EDGE 4 Tx slots		22.16	22.14	22.22	22.50	19.16	19.14	19.22

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.63	22.74	22.70	24.00	22.35	22.40	22.31	24.00	22.56	22.50	22.54	24.00
3GPP Rel 99	AMR 12.2Kbps	22.64	22.76	22.71	24.00	22.36	22.42	22.33	24.00	22.58	22.51	22.56	24.00
3GPP Rel 6	HSDPA Subtest-1	22.28	22.36	22.19	23.00	22.23	22.28	22.24	23.00	22.38	22.30	22.34	23.00
3GPP Rel 6	HSDPA Subtest-2	22.32	22.07	22.19	23.00	22.18	22.35	22.26	23.00	22.41	22.31	22.40	23.00
3GPP Rel 6	HSDPA Subtest-3	21.81	21.46	21.68	22.50	21.77	21.78	21.73	22.50	21.95	21.86	21.86	22.50
3GPP Rel 6	HSDPA Subtest-4	21.79	21.45	21.76	22.50	21.73	21.76	21.76	22.50	21.93	21.84	21.86	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.16	22.31	22.14	23.00	22.20	22.22	22.18	23.00	22.32	22.25	22.29	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.24	21.99	22.10	23.00	22.12	22.30	22.21	23.00	22.38	22.28	22.28	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.67	21.38	21.56	22.50	21.61	21.72	21.64	22.50	21.90	21.82	21.73	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.70	21.39	21.63	22.50	21.58	21.68	21.72	22.50	21.87	21.75	21.81	22.50
3GPP Rel 6	HSUPA Subtest-1	22.29	22.28	22.20	23.00	21.96	22.07	22.02	23.00	22.38	22.29	22.28	23.00
3GPP Rel 6	HSUPA Subtest-2	20.26	20.36	20.21	21.00	20.04	20.10	20.03	21.00	20.36	20.32	20.25	21.00
3GPP Rel 6	HSUPA Subtest-3	21.30	21.37	21.19	22.00	20.98	21.03	21.02	22.00	21.38	21.27	21.32	22.00
3GPP Rel 6	HSUPA Subtest-4	20.24	20.33	20.18	21.00	20.01	20.03	20.04	21.00	20.36	20.27	20.29	21.00
3GPP Rel 6	HSUPA Subtest-5	22.20	22.40	22.20	23.00	22.00	22.10	22.00	23.00	22.40	22.30	22.30	23.00

Band 2 (1900MHz Band)									
Part 24E									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.91	22.96	22.96			
20	QPSK	1	49	22.88	22.86	22.89	24	0	
20	QPSK	1	99	22.96	22.91	22.90			
20	QPSK	50	0	21.88	21.96	21.92			
20	QPSK	50	24	21.92	21.90	21.92	23	1	
20	QPSK	50	50	21.95	21.84	21.87			
20	QPSK	100	0	21.96	21.98	21.90			
20	16QAM	1	0	22.24	22.33	22.33			
20	16QAM	1	49	22.27	22.30	22.31	23	1	
20	16QAM	1	99	22.33	22.31	22.31			
20	16QAM	50	0	21.04	21.01	21.04			
20	16QAM	50	24	21.08	21.07	21.08			
20	16QAM	50	50	21.11	21.01	20.99	22	2	
20	16QAM	100	0	21.10	20.95	21.02			
20	64QAM	1	0	21.27	21.19	21.23			
20	64QAM	1	49	21.17	21.22	21.26	22	2	
20	64QAM	1	99	21.23	21.25	21.13			
20	64QAM	50	0	20.03	19.98	20.04			
20	64QAM	50	24	20.05	20.03	20.05			
20	64QAM	50	50	20.08	20.00	20.01	21	3	
20	64QAM	100	0	20.10	20.00	20.03			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.89	22.84	22.89			
15	QPSK	1	37	22.86	22.81	22.94	24	0	
15	QPSK	1	74	22.80	22.79	22.89			
15	QPSK	36	0	21.92	21.85	21.90			
15	QPSK	36	20	21.95	21.90	21.90	23	1	
15	QPSK	36	39	21.86	21.87	21.94			
15	QPSK	75	0	21.91	21.87	21.87			
15	16QAM	1	0	22.29	22.26	22.29			
15	16QAM	1	37	22.32	22.28	22.34	23	1	
15	16QAM	1	74	22.23	22.17	22.24			
15	16QAM	36	0	21.05	21.04	21.05			
15	16QAM	36	39	21.09	21.07	21.06	22	2	
15	16QAM	36	39	21.04	21.05	21.01			
15	16QAM	75	0	21.04	21.00	20.99			
15	64QAM	1	0	21.15	21.16	21.19			
15	64QAM	1	37	21.14	21.18	21.24	22	2	
15	64QAM	1	74	21.11	21.11	21.13			
15	64QAM	36	0	20.05	20.02	20.04			
15	64QAM	36	20	20.10	20.07	20.05			
15	64QAM	36	39	20.05	20.03	20.08	21	3	
15	64QAM	75	0	19.99	20.04	19.99			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.97	22.92	22.88			
10	QPSK	1	25	22.87	22.83	22.92	24	0	
10	QPSK	1	49	22.86	22.87	22.87			
10	QPSK	25	0	21.87	21.87	21.88			
10	QPSK	25	12	21.89	21.87	21.95	23	1	
10	QPSK	25	25	21.87	21.82	21.93			
10	QPSK	50	0	21.89	21.86	21.83			
10	16QAM	1	0	22.35	22.36	22.32			
10	16QAM	1	25	22.30	22.29	22.25	23	1	
10	16QAM	1	49	22.28	22.27	22.23			
10	16QAM	25	0	21.04	21.01	21.00			
10	16QAM	25	12	21.02	21.02	21.09	22	2	
10	16QAM	25	25	20.98	21.02	21.05			
10	16QAM	50	0	21.02	21.01	20.98			
10	64QAM	1	0	21.22	21.22	21.21			
10	64QAM	1	25	21.13	21.12	21.17	22	2	
10	64QAM	1	49	21.16	21.16	21.12			
10	64QAM	25	0	20.05	20.00	20.00			
10	64QAM	25	12	20.03	20.02	20.08	21	3	
10	64QAM	25	25	20.00	20.00	20.05			
10	64QAM	50	0	20.02	20.00	19.95			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.86	22.80	22.87			
5	QPSK	1	12	22.84	22.80	22.86	24	0	
5	QPSK	1	24	22.82	22.80	22.84			
5	QPSK	12	0	21.92	21.88	21.89			
5	QPSK	12	7	21.91	21.89	21.92	23	1	
5	QPSK	12	13	21.89	21.84	21.90			
5	QPSK	25	0	21.87	21.82	21.91			
5	16QAM	1	0	22.19	22.18	22.23			
5	16QAM	1	12	22.24	22.19	22.21	23	1	
5	16QAM	1	24	22.21	22.16	22.21			
5	16QAM	12	0	21.06	21.06	21.05			
5	16QAM	12	7	21.07	21.02	21.09	22	2	
5	16QAM	12	13	21.06	21.05	21.03			
5	16QAM	25	0	21.00	20.97	21.01			
5	64QAM	1	0	21.15	21.11	21.12			
5	64QAM	1	12	21.20	21.12	21.14	22	2	
5	64QAM	1	24	21.09	21.06	21.07			
5	64QAM	12	0	20.05	20.02	20.03			
5	64QAM	12	7	20.05	20.03	20.08	21	3	
5	64QAM	12	13	20.00	20.03	20.04			
5	64QAM	25	0	19.97	19.99	20.01			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.83	22.78	22.85	24	0	
3	QPSK	1	8	22.87	22.81	22.82			
3	QPSK	1	14	22.81	22.76	22.85			
3	QPSK	8	0	21.90	21.85	21.86			
3	QPSK	8	4	21.84	21.89	21.91	23	1	
3	QPSK	8	7	21.90	21.85	21.89			
3	QPSK	15	0	21.86	21.86	21.88			
3	16QAM	1	0	22.23	22.23	22.19			
3	16QAM	1	8	22.31	22.25	22.27	23	1	
3	16QAM	1	14	22.21	22.23	22.19			
3	16QAM	8	0	21.08	21.05	21.07			
3	16QAM	8	4	21.14	21.13	21.13	22	2	
3	16QAM	8	7	21.10	21.09	21.08			
3	16QAM	15	0	21.03	21.00	21.02			
3	64QAM	1	0	21.11	21.08	21.13			
3	64QAM	1	8	21.15	21.12	21.14	22	2	
3	64QAM	1	14	21.10	21.09	21.08			
3	64QAM	8	0	20.04	20.00	20.03			
3	64QAM	8	4	20.08	20.05	20.07	21	3	
3	64QAM	8	7	20.04	20.03	20.03			
3	64QAM	15	0	20.00	19.94	19.99			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.87	22.72	22.72			
1.4	QPSK	1	3	22.73	22.81	22.84	24	0	
1.4	QPSK	1	5	22.66	22.71	22.73			
1.4	QPSK	3	0	22.70	22.75	22.82			
1.4	QPSK	3	1	22.71	22.78	22.83	23	1	
1.4	QPSK	3	3	22.70	22.74	22.82			
1.4	QPSK	6	0	21.68	21.76	21.81			
1.4	16QAM	1	0	22.06	22.11	22.08			
1.4	16QAM	1	3	22.13	22.20	22.18	23	1	
1.4	16QAM	1	5	22.03	22.13	22.07			
1.4	16QAM	3	0	21.82	21.89	21.90			
1.4	16QAM	3	1	21.88	21.95	21.95	22	2	
1.4	16QAM	3	3	21.83	21.88	21.92			
1.4	16QAM	6	0	20.88	20.92	21.00	22	2	
1.4	64QAM	1	0	20.93	21.07	20.97			
1.4	64QAM	1	3	20.96	21.08	21.02			
1.4	64QAM	1	5	20.91	21.00	20.96	22	2	
1.4	64QAM	3	0	20.85	20.91	20.89			
1.4	64QAM	3	1	20.89	20.94	20.97			
1.4	64QAM	3	3	20.83	20.87	20.92	21	3	
1.4	64QAM	6	0	19.81	19.86	19.90			

Band 4 (AWS Band)									
Part 27L (only on channel required)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.79	22.91	22.80			
20	QPSK	1	49	22.80	22.77	22.82	24	0	
20	QPSK	1	99	22.72	22.65	22.66			
20	QPSK	50	0	21.83	21.86	21.78			
20	QPSK	50	24	21.81	21.81	21.71	23	1	
20	QPSK	50	50	21.82	21.75	21.82			
20	QPSK	100	0	21.75	21.79	21.71			
20	16QAM	1	0	22.09	22.21	22.19			
20	16QAM	1	49	22.22	22.21	22.24	23	1	
20	16QAM	1	99	22.15	21.99	22.05			
20	16QAM	50	0	20.92	20.88	20.89			
20	16QAM	50	24	20.92	20.93	20.86	22	2	
20	16QAM	50	50	20.95	20.87	20.93			
20	16QAM	100	0	20.89	20.93	20.83			
20	84QAM	1	0	21.03	21.11	21.17			
20	84QAM	1	49	21.08	21.11	21.13			
20	84QAM	1	99	21.10	20.91	20.99			
20	84QAM	50	0	19.92	20.00	19.88			
20	84QAM	50	24	19.91	19.95	19.83	21	3	
20	84QAM	50	50	19.93	19.84	19.87			
20	84QAM	100	0	19.90	19.98	19.84			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	22.76	22.90	22.81			
15	QPSK	1	37	22.77	22.79	22.80	24	0	
15	QPSK	1	74	22.64	22.73	22.67			
15	QPSK	36	0	21.80	21.84	21.75			
15	QPSK	36	20	21.83	21.82	21.84	23	1	
15	QPSK	36	39	21.77	21.78	21.83			
15	QPSK	75	0	21.76	21.80	21.70			
15	16QAM	1	0	22.12	22.20	22.21			
15	16QAM	1	37	22.17	22.19	22.21	23	1	
15	16QAM	1	74	22.15	22.08	22.08			
15	16QAM	36	0	20.95	20.98	20.87			
15	16QAM	36	20	20.95	21.00	21.03	22	2	
15	16QAM	36	39	20.89	20.87	20.94			
15	16QAM	75	0	20.95	20.96	20.82			
15	84QAM	1	0	21.05	21.16	21.14			
15	84QAM	1	37	21.02	21.05	21.05	22	2	
15	84QAM	1	74	20.99	20.96	20.95			
15	84QAM	36	0	19.96	19.99	19.88			
15	84QAM	36	20	19.95	19.96	20.00	21	3	
15	84QAM	36	39	19.88	19.89	19.93			
15	84QAM	75	0	19.94	19.91	19.83			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	22.75	22.84	22.81			
10	QPSK	1	25	22.68	22.80	22.77	24	0	
10	QPSK	1	49	22.74	22.68	22.67			
10	QPSK	25	0	21.75	21.80	21.83			
10	QPSK	25	25	21.77	21.77	21.78	23	1	
10	QPSK	50	0	21.81	21.82	21.81			
10	16QAM	1	0	22.11	22.27	22.22			
10	16QAM	1	25	22.09	22.21	22.16	23	1	
10	16QAM	1	49	22.11	22.13	22.24			
10	16QAM	25	0	20.84	20.86	20.84			
10	16QAM	25	12	20.92	20.94	20.97	22	2	
10	16QAM	25	25	20.88	20.88	20.89			
10	16QAM	50	0	20.93	20.93	20.96			
10	84QAM	1	0	21.02	21.15	21.11			
10	84QAM	1	25	21.00	21.12	21.05	22	2	
10	84QAM	1	49	21.01	21.02	20.97			
10	84QAM	25	0	19.84	19.94	19.98			
10	84QAM	25	12	19.93	19.94	19.95	21	3	
10	84QAM	25	25	19.87	19.90	19.85			
10	84QAM	50	0	19.92	19.89	19.92			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	22.70	22.81	22.74			
5	QPSK	1	12	22.68	22.78	22.71	24	0	
5	QPSK	1	24	22.61	22.70	22.66			
5	QPSK	12	0	21.71	21.79	21.78			
5	QPSK	12	7	21.73	21.83	21.84	23	1	
5	QPSK	12	13	21.67	21.76	21.78			
5	QPSK	25	0	21.68	21.79	21.77			
5	16QAM	1	0	22.08	22.20	22.12			
5	16QAM	1	12	22.06	22.17	22.13	23	1	
5	16QAM	1	24	22.02	22.14	22.05			
5	16QAM	12	0	20.87	20.99	20.97			
5	16QAM	12	7	20.87	20.98	21.01	22	2	
5	16QAM	12	13	20.84	20.93	20.92			
5	16QAM	25	0	20.82	20.93	20.91			
5	84QAM	1	0	20.96	21.09	21.08			
5	84QAM	1	12	20.93	21.05	21.07	22	2	
5	84QAM	1	24	20.89	21.02	20.95			
5	84QAM	12	0	19.82	19.96	19.93			
5	84QAM	12	7	19.84	19.97	19.94	21	3	
5	84QAM	12	13	19.80	19.90	19.90			
5	84QAM	25	0	19.79	19.91	19.91			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	22.66	22.74	22.73			
3	QPSK	1	8	22.66	22.77	22.67	24	0	
3	QPSK	1	14	22.59	22.70	22.65			
3	QPSK	8	0	21.78	21.79	21.74			
3	QPSK	8	4	21.70	21.81	21.78	23	1	
3	QPSK	8	7	21.66	21.78	21.75			
3	QPSK	15	0	21.67	21.79	21.77			
3	16QAM	1	0	21.99	22.15	22.11			
3	16QAM	1	8	22.05	22.17	22.14	23	1	
3	16QAM	1	14	22.03	22.11	22.06			
3	16QAM	8	0	20.91	20.99	20.96			
3	16QAM	8	4	20.93	21.00	21.00	22	2	
3	16QAM	8	7	20.89	20.97	20.96			
3	16QAM	15	0	20.84	20.91	20.88			
3	84QAM	1	0	20.89	21.03	20.99			
3	84QAM	1	8	20.93	21.04	21.01	22	2	
3	84QAM	1	14	20.92	21.00	20.95			
3	84QAM	8	0	19.83	19.94	19.91			
3	84QAM	8	4	19.85	19.96	19.95	21	3	
3	84QAM	8	7	19.83	19.92	19.89			
3	84QAM	15	0	19.79	19.90	19.89			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	22.56	22.67	22.62			
1.4	QPSK	1	3	22.66	22.76	22.71	24	0	
1.4	QPSK	1	5	22.60	22.68	22.61			
1.4	QPSK	3	0	22.62	22.72	22.68			
1.4	QPSK	3	1	22.68	22.78	22.70			
1.4	QPSK	3	3	22.61	22.69	22.67			
1.4	QPSK	6	0	21.63	21.71	21.73	23	1	
1.4	16QAM	1	0	21.91	22.07	21.94			
1.4	16QAM	1	3	22.01	22.12	22.07			
1.4	16QAM	1	5	21.94	22.04	21.98	23	1	
1.4	16QAM	3	0	21.77	21.85	21.81			
1.4	16QAM	3	1	21.79	21.90	21.83			
1.4	16QAM	3	3	21.74	21.83	21.80	22	2	
1.4	16QAM	6	0	20.83	20.92	20.88			
1.4	84QAM	1	0	20.85	20.95	20.88			
1.4	84QAM	1	3	20.91	21.01	20.94	22	2	
1.4	84QAM	1	5	20.83	20.93	20.86			
1.4	84QAM	3	0	20.76	20.87	20.82			
1.4	84QAM	3	1	20.82	20.92	20.85			
1.4	84QAM	3	3	20.76	20.87	20.80			
1.4	84QAM	6	0	19.73	19.83	19.81	21	3	

Band 7 (2600MHz Band)									
Part 27									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.70	22.88	22.81	24	0	
20	QPSK	1	49	22.73	22.73	22.77			
20	QPSK	1	99	22.80	22.78	22.83			
20	QPSK	50	0	21.78	21.94	21.85			
20	QPSK	50	24	21.79	21.82	21.85	23	1	
20	QPSK	50	50	21.84	21.81	21.87			
20	QPSK	100	0	21.86	21.92	21.83			
20	16QAM	1	0	22.04	22.06	22.21			
20	16QAM	1	49	22.07	22.08	22.16	23	1	
20	16QAM	1	99	22.21	22.11	22.16			
20	16QAM	50	0	20.84	20.94	20.92			
20	16QAM	50	24	20.90	20.97	20.98			
20	16QAM	50	50	21.03	20.95	21.00	22	2	
20	16QAM	100	0	20.96	20.92	20.94			
20	64QAM	1	0	20.94	20.97	21.09			
20	64QAM	1	49	20.95	20.97	21.09			
20	64QAM	1	99	21.12	21.03	21.09	22	2	
20	64QAM	50	0	19.81	19.93	19.90			
20	64QAM	50	24	19.85	19.95	19.92			
20	64QAM	50	50	20.01	19.94	19.93			
20	64QAM	100	0	19.94	19.94	19.96	21	3	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.70	22.76	22.82	24	0	
15	QPSK	1	37	22.70	22.72	22.75			
15	QPSK	1	74	22.82	22.83	22.85			
15	QPSK	36	0	21.77	21.83	21.82			
15	QPSK	36	20	21.76	21.81	21.84	23	1	
15	QPSK	36	39	21.78	21.83	21.88			
15	QPSK	75	0	21.75	21.83	21.85			
15	16QAM	1	0	22.09	22.11	22.20			
15	16QAM	1	37	22.05	22.06	22.15	23	1	
15	16QAM	1	74	22.23	22.19	22.23			
15	16QAM	36	0	20.81	20.90	20.91			
15	16QAM	36	20	20.86	20.93	20.96	22	2	
15	16QAM	36	39	20.88	20.93	20.95			
15	16QAM	75	0	20.86	20.88	20.94			
15	64QAM	1	0	21.00	21.04	21.10			
15	64QAM	1	37	20.97	20.99	21.04	22	2	
15	64QAM	1	74	21.08	21.08	21.12			
15	64QAM	36	0	19.79	19.87	19.92			
15	64QAM	36	20	19.87	19.92	19.93			
15	64QAM	36	39	19.84	19.91	19.95	21	3	
15	64QAM	75	0	19.87	19.88	19.93			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.85	22.72	22.74	24	0	
10	QPSK	1	25	22.68	22.70	22.73			
10	QPSK	1	49	22.73	22.76	22.77			
10	QPSK	25	0	21.69	21.79	21.81			
10	QPSK	25	12	21.74	21.77	21.78	23	1	
10	QPSK	25	25	21.76	21.76	21.84			
10	QPSK	50	0	21.72	21.80	21.80			
10	16QAM	1	0	22.04	22.07	22.13			
10	16QAM	1	25	22.04	22.07	22.12	23	1	
10	16QAM	1	49	22.12	22.11	22.17			
10	16QAM	25	0	20.80	20.89	20.87			
10	16QAM	25	12	20.85	20.91	20.94	22	2	
10	16QAM	25	25	20.85	20.91	20.89			
10	16QAM	50	0	20.80	20.88	20.93			
10	64QAM	1	0	20.92	20.95	21.00			
10	64QAM	1	25	20.97	20.96	21.00	22	2	
10	64QAM	1	49	21.00	20.98	21.08			
10	64QAM	25	0	19.81	19.86	19.89			
10	64QAM	25	12	19.82	19.90	19.90			
10	64QAM	25	25	19.82	19.90	19.91	21	3	
10	64QAM	50	0	19.79	19.87	19.91			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.64	22.69	22.73	24	0	
5	QPSK	1	12	22.65	22.69	22.75			
5	QPSK	1	24	22.70	22.72	22.76			
5	QPSK	12	0	21.69	21.74	21.80			
5	QPSK	12	7	21.75	21.80	21.81	23	1	
5	QPSK	12	13	21.75	21.77	21.80			
5	QPSK	25	0	21.71	21.77	21.80			
5	16QAM	1	0	22.00	22.01	22.10			
5	16QAM	1	12	22.02	22.04	22.07	23	1	
5	16QAM	1	24	22.03	22.07	22.13			
5	16QAM	12	0	20.77	20.86	20.87			
5	16QAM	12	7	20.85	20.89	20.95	22	2	
5	16QAM	12	13	20.80	20.91	20.94			
5	16QAM	25	0	20.81	20.83	20.89			
5	64QAM	1	0	20.88	20.94	21.01			
5	64QAM	1	12	20.92	20.97	21.00	22	2	
5	64QAM	1	24	20.94	20.96	21.03			
5	64QAM	12	0	19.77	19.84	19.85			
5	64QAM	12	7	19.81	19.89	19.89			
5	64QAM	12	13	19.78	19.89	19.91	21	3	
5	64QAM	25	0	19.80	19.83	19.87			

Band 66									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.88	22.92	22.77	24	0	
20	QPSK	1	49	22.82	22.89	22.66			
20	QPSK	1	99	22.62	22.59	22.50			
20	QPSK	50	0	21.89	22.09	21.97			
20	QPSK	50	24	22.08	21.97	21.91	23	1	
20	QPSK	50	50	21.96	21.98	21.83			
20	QPSK	100	0	22.04	22.00	21.94			
20	16QAM	1	0	22.43	22.48	22.34			
20	16QAM	1	49	22.38	22.36	22.29	23	1	
20	16QAM	1	99	22.24	22.16	22.09			
20	16QAM	50	0	21.21	21.17	21.11			
20	16QAM	50	24	21.17	21.13	21.09			
20	16QAM	50	50	21.11	21.06	20.98	22	2	
20	16QAM	100	0	21.13	21.10	21.04			
20	64QAM	1	0	21.29	21.28	21.25			
20	64QAM	1	49	21.30	21.22	21.12			
20	64QAM	1	99	21.19	21.09	21.03	22	2	
20	64QAM	50	0	20.20	20.14	20.07			
20	64QAM	50	24	20.18	20.10	20.04			
20	64QAM	50	50	20.09	20.03	19.95			
20	64QAM	100	0	20.19	20.10	20.04	21	3	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.86	22.79	22.71	24	0	
15	QPSK	1	37	22.77	22.68	22.60			
15	QPSK	1	74	22.68	22.62	22.55			
15	QPSK	36	0	22.05	22.01	21.90			
15	QPSK	36	20	22.03	22.01	21.89	23	1	
15	QPSK	36	39	22.00	21.95	21.82			
15	QPSK	75	0	21.98	21.93	21.85			
15	16QAM	1	0	22.44	22.45	22.34			
15	16QAM	1	37	22.38	22.35	22.23	23	1	
15	16QAM	1	74	22.35	22.23	22.16			
15	16QAM	36	0	21.20	21.14	21.05			
15	16QAM	36	20	21.20	21.15	21.05			
15	16QAM	36	39	21.14	21.04	21.00	22	2	
15	16QAM	75	0	21.13	21.12	20.97			
15	64QAM	1	0	21.38	21.34	21.21			
15	64QAM	1	37	21.26	21.19	21.07			
15	64QAM	1	74	21.20	21.07	21.02	22	2	
15	64QAM	36	0	20.18	20.13	20.07			
15	64QAM	36	20	20.20	20.12	20.04			
15	64QAM	36	39	20.12	20.03	19.97			
15	64QAM	75	0	20.16	20.10	20.03	21	3	
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.81	22.77	22.62	24	0	
10	QPSK	1	25	22.78	22.70	22.61			
10	QPSK	1	49	22.71	22.62	22.53			
10	QPSK	25	0	22.06	21.98	21.87			
10	QPSK	25	12	22.07	21.97	21.87	23	1	
10	QPSK	25	25	21.98	21.89	21.81			
10	QPSK	50	0	22.01	21.95	21.87			
10	16QAM	1	0	22.44	22.40	22.25			
10	16QAM	1	25	22.42	22.36	22.20	23	1	
10	16QAM	1	49	22.28	22.22	22.11			
10	16QAM	25	0	21.20	21.08	21.01			
10	16QAM	25	12	21.21	21.08	21.01			
10	16QAM	25	25	21.15	21.05	20.95	22	2	
10	16QAM	50	0	21.16	21.10	21.01			
10	64QAM	1	0	21.30	21.24	21.11			
10	64QAM	1	25	21.25	21.17	21.07			
10	64QAM	1	49	21.20	21.10	20.99	22	2	
10	64QAM	25	0	20.17	20.10	20.01			
10	64QAM	25	12	20.17	20.08	19.99			
10	64QAM	25	25	20.14	20.04	19.96			
10	64QAM	50	0	20.11	20.09	19.98	21	3	
Channel				131987	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	22.77	22.69	22.58	24	0	
5	QPSK	1	12	22.75	22.65	22.55			
5	QPSK	1	24	22.72	22.63	22.50			
5	QPSK	12	0	22.02	21.95	21.87			
5	QPSK	12	7	22.08	22.00	21.88	23	1	
5	QPSK	12	13	22.02	21.93	21.85			
5	QPSK	25	0	22.00	21.95	21.81			
5	16QAM	1	0	22.33	22.30	22.18			
5	16QAM	1	12	22.39	22.31	22.19	23	1	
5	16QAM	1	24	22.34	22.25	22.14			
5	16QAM	12	0	21.19	21.10	21.00			
5	16QAM	12	7	21.21	21.16	21.05			
5	16QAM	12	13	21.17	21.09	20.98	22	2	
5	16QAM	25	0	21.17	21.07	20.94			
5	64QAM	1	0	21.27	21.19	21.06			
5	64QAM	1	12	21.27	21.22	21.13			
5	64QAM	1	24	21.24	21.11	21.00	22	2	
5	64QAM	12	0	20.16	20.08	19.98			
5	64QAM	12	7	20.19	20.13	20.04			
5	64QAM	12	13	20.15	20.04	19.95			
5	64QAM	25	0	20.13	20.07	19.94	21	3	
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	22.74	22.67	22.56	24	0	
3	QPSK	1	8	22.76	22.66	22.56			
3	QPSK	1	14	22.70	22.61	22.51			
3	QPSK	8	0	22.02	21.95	21.82			
3	QPSK	8	4	22.07	21.95	21.83	23	1	
3	QPSK	8	7	22.01	21.92	21.79			
3	QPSK	15	0	22.03	21.93	21.81			
3	16QAM	1	0	22.31	22.22	22.16			
3	16QAM	1	8	22.30	22.25	22.16	23	1	
3	16QAM	1	14	22.26	22.19	22.08			
3	16QAM	8	0	21.22	21.14	21.03			
3	16QAM	8	4	21.22	21.17	21.07			
3	16QAM	8	7	21.20	21.12	21.00	22	2	
3	16QAM	15	0	21.18	21.05	20.95			
3	64QAM	1	0	21.20	21.13	21.03			
3	64QAM	1	8	21.22	21.17	21.05			
3	64QAM	1	14	21.20	21.09	21.00	22	2	
3	64QAM	8	0	20.17	20.08	19.95			
3	64QAM	8	4	20.19	20.12	19.99			
3	64QAM	8	7	20.14	20.07	19.96			
3	64QAM	15	0	20.14	20.06	19.96	21	3	
Channel				131970	132322	132655			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	22.69	22.56	22.49	24	0	
1.4	QPSK	1	3	22.76	22.67	22.56			
1.4	QPSK	1	5	22.65	22.56	22.47			
1.4	QPSK	3	0	22.74	22.64	22.51			
1.4	QPSK	3	1	22.76	22.64	22.56	23	1	
1.4	QPSK	3	3	22.75	22.66	22.51			
1.4	QPSK	6	0	21.97	21.86	21.76			
1.4	16QAM	1	0	22.22	22.20	22.09			
1.4	16QAM	1	3	22.32	22.27	22.17	22	2	
1.4	16QAM	1	5	22.24	22.21	22.04			
1.4	16QAM	3	0	22.03	21.99	21.87			
1.4	16QAM	3	1	22.08	22.03	21.87			
1.4	16QAM	3	3	22.05	21.98	21.82	22	2	
1.4	16QAM	6	0	21.16	21.05	20.95			
1.4	64QAM	1	0	21.12	21.12	20.97			
1.4	64QAM	1	3	21.20	21.18	21.06			
1.4	64QAM	1	5	21.08	21.07	20.98	22	2	
1.4	64QAM	3	0	21.11	21.04	20.87			
1.4	64QAM	3	1	21.11	21.08	20.89			
1.4	64QAM	3	3	21.05	21.01	20.88			
1.4	64QAM	6	0	20.08	19.98	19.90	21	3	

Band 38(only on channel required)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150	24	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.70	22.95	22.89		
20	QPSK	1	49	22.82	22.78	22.85	23	1
20	QPSK	1	99	22.83	22.80	22.87		
20	QPSK	50	0	22.41	22.42	22.40		
20	QPSK	50	24	22.41	22.37	22.38	23	1
20	QPSK	50	50	22.36	22.33	22.39		
20	QPSK	100	0	22.39	22.41	22.39		
20	16QAM	1	0	22.52	22.50	22.56	23	1
20	16QAM	1	49	22.47	22.41	22.52		
20	16QAM	1	99	22.44	22.40	22.51		
20	16QAM	50	0	21.53	21.50	21.51	22	2
20	16QAM	50	24	21.54	21.50	21.52		
20	16QAM	50	50	21.52	21.47	21.53		
20	16QAM	100	0	21.51	21.46	21.53	22	2
20	64QAM	1	0	21.24	21.22	21.31		
20	64QAM	1	49	21.18	21.17	21.27		
20	64QAM	1	99	21.22	21.19	21.21	21	3
20	64QAM	50	0	20.47	20.42	20.45		
20	64QAM	50	24	20.45	20.43	20.43		
20	64QAM	50	50	20.46	20.39	20.44	21	3
20	64QAM	100	0	20.55	20.51	20.59		
Channel				37925	38000	38175	24	0
Frequency (MHz)				2677.5	2595	2612.5		
15	QPSK	1	0	22.87	22.88	22.89		
15	QPSK	1	37	22.90	22.82	22.85	23	1
15	QPSK	1	74	22.86	22.87	22.95		
15	QPSK	36	0	22.43	22.34	22.40		
15	QPSK	36	20	22.44	22.38	22.39	23	1
15	QPSK	36	39	22.38	22.36	22.40		
15	QPSK	75	0	22.42	22.38	22.41		
15	16QAM	1	0	22.51	22.47	22.59	23	1
15	16QAM	1	37	22.56	22.44	22.52		
15	16QAM	1	74	22.57	22.45	22.57		
15	16QAM	36	0	21.52	21.45	21.48	22	2
15	16QAM	36	20	21.52	21.49	21.52		
15	16QAM	36	39	21.48	21.43	21.47		
15	16QAM	75	0	21.55	21.51	21.53	22	2
15	64QAM	1	0	21.32	21.24	21.29		
15	64QAM	1	37	21.27	21.18	21.26		
15	64QAM	1	74	21.32	21.21	21.34	21	3
15	64QAM	36	0	20.54	20.48	20.52		
15	64QAM	36	20	20.55	20.50	20.55		
15	64QAM	36	39	20.53	20.48	20.52	21	3
15	64QAM	75	0	20.51	20.51	20.53		
Channel				37800	38000	38200	24	0
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.89	22.76	22.81		
10	QPSK	1	25	22.86	22.80	22.85	23	1
10	QPSK	1	49	22.86	22.80	22.84		
10	QPSK	25	0	22.37	22.28	22.32		
10	QPSK	25	12	22.38	22.31	22.36	23	1
10	QPSK	25	25	22.35	22.31	22.37		
10	QPSK	50	0	22.39	22.33	22.36		
10	16QAM	1	0	22.50	22.44	22.48	23	1
10	16QAM	1	25	22.50	22.43	22.48		
10	16QAM	1	49	22.51	22.40	22.47		
10	16QAM	25	0	21.53	21.44	21.52	22	2
10	16QAM	25	12	21.53	21.47	21.51		
10	16QAM	25	25	21.52	21.40	21.51		
10	16QAM	50	0	21.54	21.44	21.50	22	2
10	64QAM	1	0	21.30	21.18	21.23		
10	64QAM	1	25	21.23	21.15	21.22		
10	64QAM	1	49	21.25	21.19	21.23	21	3
10	64QAM	25	0	20.47	20.40	20.45		
10	64QAM	25	12	20.46	20.41	20.47		
10	64QAM	25	25	20.45	20.37	20.47	21	3
10	64QAM	50	0	20.45	20.38	20.43		
Channel				37775	38000	38225	24	0
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.89	22.85	22.81		
5	QPSK	1	12	22.88	22.83	22.86	23	1
5	QPSK	1	24	22.82	22.77	22.80		
5	QPSK	12	0	22.41	22.36	22.36		
5	QPSK	12	7	22.44	22.38	22.41	23	1
5	QPSK	12	13	22.41	22.36	22.40		
5	QPSK	25	0	22.40	22.35	22.36		
5	16QAM	1	0	22.53	22.43	22.48	23	1
5	16QAM	1	12	22.55	22.46	22.50		
5	16QAM	1	24	22.53	22.46	22.49		
5	16QAM	12	0	21.52	21.39	21.46	22	2
5	16QAM	12	7	21.50	21.45	21.48		
5	16QAM	12	13	21.46	21.42	21.49		
5	16QAM	25	0	21.54	21.51	21.53	22	2
5	64QAM	1	0	21.30	21.23	21.24		
5	64QAM	1	12	21.29	21.20	21.26		
5	64QAM	1	24	21.30	21.19	21.24	21	3
5	64QAM	12	0	20.48	20.40	20.43		
5	64QAM	12	7	20.56	20.46	20.50		
5	64QAM	12	13	20.46	20.42	20.46	21	3
5	64QAM	25	0	20.49	20.46	20.45		

Band 41 (2.6G Band)

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				40140	40390	40640	40890	41140	24	0
Frequency (MHz)				2545	2570	2595	2620	2645		
20	QPSK	1	0	22.64	22.71	22.85	22.98	22.88		
20	QPSK	1	49	22.68	22.78	22.90	22.81	22.93	23	1
20	QPSK	1	99	22.84	22.82	22.92	22.86	22.95		
20	QPSK	50	0	21.79	21.85	21.93	22.00	21.96		
20	QPSK	50	24	21.86	21.89	21.96	21.83	21.99	23	1
20	QPSK	50	50	21.83	21.86	21.90	21.88	21.93		
20	QPSK	100	0	21.84	21.79	21.92	21.96	21.95		
20	16QAM	1	0	21.91	21.88	21.98	21.91	22.02	23	1
20	16QAM	1	49	21.90	21.91	22.00	21.94	22.03		
20	16QAM	1	99	21.95	22.00	22.00	21.98	22.03		
20	16QAM	50	0	20.90	20.96	21.05	20.97	21.08	22	2
20	16QAM	50	24	20.97	20.95	21.07	20.99	21.10		
20	16QAM	50	50	20.97	20.96	21.06	21.00	21.09		
20	16QAM	100	0	20.93	20.98	20.96	20.98	21.07	22	2
20	64QAM	1	0	20.89	20.80	20.78	20.91	21.03		
20	64QAM	1	49	20.82	20.97	20.95	20.93	21.03		
20	64QAM	1	99	20.74	20.95	20.93	20.92	21.00	21	3
20	64QAM	50	0	20.05	20.12	20.10	20.14	20.28		
20	64QAM	50	24	20.14	20.11	20.09	20.14	20.22		
20	64QAM	50	50	20.09	20.14	20.12	20.14	20.24	21	3
20	64QAM	100	0	20.19	20.21	20.19	20.23	20.32		
Channel				40115	40378	40640	40903	41165	24	0
Frequency (MHz)				2542.5	2568.8	2595	2621.3	2647.5		
15	QPSK	1	0	22.72	22.77	22.69	22.78	22.82		
15	QPSK	1	37	22.73	22.81	22.70	22.77	22.84	23	1
15	QPSK	1	74	22.87	22.83	22.84	22.83	22.97		
15	QPSK	36	0	21.74	21.82	21.71	21.79	21.92		
15	QPSK	36	20	21.88	21.82	21.85	21.86	21.95	23	1
15	QPSK	36	39	21.88	21.81	21.85	21.83	21.91		
15	QPSK	75	0	21.86	21.82	21.83	21.77	21.93		
15	16QAM	1	0	21.85	21.87	22.07	22.03	22.10	23	1
15	16QAM	1	37	21.91	21.90	21.99	21.96	22.02		
15	16QAM	1	74	21.99	21.94	21.98	22.07	22.01		
15	16QAM	36	0	20.83	20.90	20.95	20.88	20.98	22	2
15	16QAM	36	20	20.90	20.91	20.98	20.90	21.01		
15	16QAM	36	39	20.90	20.91	20.99	20.88	21.02		
15	16QAM	75	0	20.92	20.94	21.01	20.99	21.04	22	2
15	64QAM	1	0	20.83	20.89	20.94	20.92	20.97		
15	64QAM	1	37	20.83	20.93	20.98	20.98	21.01		
15	64QAM	1	74	20.91	20.90	20.99	20.94	21.02	21	3
15	64QAM	36	0	20.11	20.14	20.11	20.13	20.24		
15	64QAM	36	20	20.17	20.16	20.15	20.17	20.24		
15	64QAM	36	39	20.14	20.18	20.16	20.18	20.26	21	3
15	64QAM	75	0	20.15	20.17	20.15	20.17	20.29		
Channel				40090	40365	40640	40915	41190	24	0
Frequency (MHz)				2540	2567.5	2595	2622.5	2650		
10	QPSK	1	0	22.68	22.72	22.65	22.76	22.78		
10	QPSK	1	25	22.74	22.78	22.71	22.71	22.86	23	1
10	QPSK	1	49	22.68	22.83	22.65	22.79	22.89		
10	QPSK	25	0	21.75	21.78	21.72	21.74	21.79		
10	QPSK	25	12	21.75	21.83	21.72	21.78	21.87	23	1
10	QPSK	25	25	21.73	21.80	21.70	21.79	21.89		
10	QPSK	50	0	21.74	21.77	21.71	21.77	21.90		
10	16QAM	1	0	21.81	21.88	21.97	21.91	22.00	23	1
10	16QAM	1	25	21.89	21.85	21.96	21.86	21.99		
10	16QAM	1	49	21.88	21.91	22.00	21.95	22.03		
10	16QAM	25	0	20.83	20.91	20.95	20.90	20.98	22	2
10	16QAM	25	12	20.87	20.90	20.99	20.94	21.02		
10	16QAM	25	25	20.85	20.91	20.99	20.89	21.02		
10	16QAM	50	0	20.82	20.94	21.00	20.90	21.03	22	2
10	64QAM	1	0	20.78	20.88	20.97	20.86	21.00		
10	64QAM	1	25	20.79	20.88	20.97	20.85	21.00		
10	64QAM	1	49	20.83	20.88	20.95	20.92	20.98	21	3
10	64QAM	25	0	20.02	20.06	20.06	20.08	20.15		
10	64QAM	25	12	19.99	20.05	20.08	20.10	20.18		
10	64QAM	25	25	19.98	20.08	20.01	20.03	20.16	21	3
10	64QAM	50	0	20.01	20.06	20.06	20.08	20.14		
Channel				40065	40335	40640	40920	41216	24	0
Frequency (MHz)				2537.5	2566.3	2595	2623.80	2652.5		
5	QPSK	1	0	22.62	22.71	22.59	22.74	22.71		
5	QPSK	1	12	22.65	22.80	22.62	22.74	22.80	23	1
5	QPSK	1	24	22.63	22.65	22.60	22.69	22.65		
5	QPSK	12	0	21.70	21.75	21.67	21.70	21.75		
5	QPSK	12	7	21.76	21.83	21.73	21.76	21.83	23	1
5	QPSK	12	13	21.72	21.80	21.69	21.80	21.80		
5	QPSK	25	0	21.70	21.78	21.67	21.79	21.78		
5	16QAM	1	0	21.82	21.86	21.83	21.83	21.86	23	1
5	16QAM	1	12	21.78	21.93	21.90	21.88	21.93		
5	16QAM	1	24	21.76	21.93	21.90	21.89	21.93		
5	16QAM	12	0	20.73	20.85	20.82	20.85	20.85	22	2
5	16QAM	12	7	20.82	20.87	20.84	20.92	20.87		
5	16QAM	12	13	20.78	20.82	20.79	20.88	20.82		
5	16QAM	25	0	20.80	20.89	20.86	20.91	20.89	22	2
5	64QAM	1	0	20.82	20.85	20.82	20.87	20.85		
5	64QAM	1	12	20.80	20.75	20.72	20.89	20.75		
5	64QAM	1	24	20.84	20.81	20.78	20.87	20.81	21	3
5	64QAM	12	0	19.99	20.02	20.03	20.05	20.02		
5	64QAM	12	7	20.03	20.08	20.08	20.10	20.08		
5	64QAM	12	13	20.00	20.05	20.05	20.07	20.05	21	3
5	64QAM	25	0	19.97	20.07	20.02	20.04	20.07		

Reduced Power Mode for Sensor on/Hotspot on

GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		30.87	30.93	31.06	31.50	21.87	21.93	22.06	22.50
GPRS 1 Tx slot		30.86	30.92	31.05	31.50	21.86	21.92	22.05	22.50
GPRS 2 Tx slots		28.82	28.77	28.91	29.50	22.82	22.77	22.91	23.50
GPRS 3 Tx slots		28.06	28.00	27.99	29.00	23.80	23.74	23.73	24.74
GPRS 1 Tx slots		26.37	26.27	26.39	27.50	23.37	23.27	23.39	24.50
EDGE 1 Tx slot		25.27	25.30	25.28	25.50	16.27	16.30	16.28	16.50
EDGE 2 Tx slots		23.71	23.71	23.75	24.50	17.71	17.71	17.75	18.50
EDGE 3 Tx slots		22.36	22.35	22.37	22.50	18.10	18.09	18.11	18.24
EDGE 4 Tx slots		20.57	20.59	20.62	21.50	17.57	17.59	17.62	18.50

GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		21.05	21.11	21.13	21.50	12.05	12.11	12.13	12.50
GPRS 1 Tx slot		21.05	21.10	21.12	21.50	12.05	12.10	12.12	12.50
GPRS 2 Tx slots		20.11	19.97	19.95	20.50	14.11	13.97	13.95	14.50
GPRS 3 Tx slots		18.31	18.32	18.30	19.00	14.05	14.06	14.04	14.74
GPRS 1 Tx slots		17.06	17.16	17.17	17.50	14.06	14.16	14.17	14.50
EDGE 1 Tx slot		17.97	17.88	17.89	18.50	8.97	8.88	8.89	9.50
EDGE 2 Tx slots		15.31	15.21	15.34	16.50	9.31	9.21	9.34	10.50
EDGE 3 Tx slots		14.68	14.63	14.62	15.50	10.42	10.37	10.66	11.24
EDGE 4 Tx slots		12.76	12.76	12.50	13.50	9.76	9.76	9.50	10.50

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2kbps	12.45	12.46	12.35	13.00	12.18	12.29	12.14	13.00	20.06	19.96	19.96	21.50
3GPP Rel 99	RMC 12.2kbps	12.46	12.47	12.36	13.00	12.19	12.31	12.15	13.00	20.07	19.98	19.97	21.50
3GPP Rel 6	HSDPA Subtest-1	11.75	11.55	11.61	12.00	11.82	11.81	11.62	12.00	19.86	19.74	19.79	20.50
3GPP Rel 6	HSDPA Subtest-2	11.72	11.57	11.61	12.00	11.83	11.80	11.58	12.00	19.70	19.60	19.58	20.50
3GPP Rel 6	HSDPA Subtest-3	11.23	11.01	11.03	11.50	11.27	11.30	11.11	11.50	19.20	19.05	19.12	20.00
3GPP Rel 6	HSDPA Subtest-4	11.27	11.00	11.04	11.50	11.32	11.29	11.12	11.50	19.20	19.10	19.12	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	11.63	11.42	11.52	12.00	11.70	11.68	11.53	12.00	19.63	19.64	19.63	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	11.70	11.47	11.52	12.00	11.70	11.51	11.52	12.00	19.59	19.61	19.70	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	11.11	10.88	10.94	11.50	11.15	11.17	11.02	11.50	19.14	19.10	19.12	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	11.21	10.87	10.95	11.50	11.14	11.16	11.03	11.50	19.05	19.15	19.23	20.00
3GPP Rel 6	HSUPA Subtest-1	11.68	11.43	11.51	12.00	11.63	11.61	11.42	12.00	19.67	19.58	19.55	20.50
3GPP Rel 6	HSUPA Subtest-2	9.69	9.48	9.52	10.00	9.63	9.63	9.45	10.00	17.67	17.60	17.61	18.50
3GPP Rel 6	HSUPA Subtest-3	10.67	10.44	10.53	11.00	10.66	10.60	10.43	11.00	18.65	18.57	18.61	19.50
3GPP Rel 6	HSUPA Subtest-4	9.71	9.46	9.52	10.00	9.62	9.68	9.43	10.00	17.62	17.55	17.57	18.50
3GPP Rel 6	HSUPA Subtest-5	11.70	11.50	11.50	12.00	11.63	11.63	11.43	12.00	19.70	19.60	19.60	20.50

Band 2 (1900MHz Band)									
Part 24E									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 18700	Power Middle Ch. / Freq. 18900	Power High Ch. / Freq. 19100	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	12.30	12.32	12.34			
20	QPSK	1	49	12.39	12.29	12.42	13	0	
20	QPSK	1	99	12.20	12.26	12.28			
20	QPSK	50	0	12.43	12.45	12.43			
20	QPSK	50	24	12.33	12.32	12.40	13	0	
20	QPSK	50	50	12.37	12.20	12.35			
20	QPSK	100	0	12.41	12.43	12.36			
20	16QAM	1	0	12.42	12.44	12.48			
20	16QAM	1	49	12.32	12.39	12.45	13	0	
20	16QAM	1	99	12.29	12.17	12.27			
20	16QAM	50	0	12.31	12.15	12.26			
20	16QAM	50	24	12.25	12.15	12.33			
20	16QAM	50	50	12.17	12.00	12.18	13	0	
20	16QAM	100	0	12.21	12.07	12.17			
20	64QAM	1	0	12.40	12.30	12.44			
20	64QAM	1	49	12.35	12.25	12.41	13	0	
20	64QAM	1	99	12.15	12.30	12.15			
20	64QAM	50	0	12.32	12.14	12.25			
20	64QAM	50	24	12.23	12.13	12.32			
20	64QAM	50	50	12.13	12.00	12.17	13	0	
20	64QAM	100	0	12.22	12.08	12.18			
Channel									
Frequency (MHz)									
15	QPSK	1	0	12.41	12.32	12.48			
15	QPSK	1	37	12.31	12.25	12.39	13	0	
15	QPSK	1	74	12.27	12.09	12.17			
15	QPSK	36	0	12.36	12.32	12.48			
15	QPSK	36	20	12.46	12.30	12.42	13	0	
15	QPSK	36	39	12.39	12.22	12.32			
15	QPSK	75	0	12.46	12.28	12.40			
15	16QAM	1	0	12.45	12.43	12.45			
15	16QAM	1	37	12.37	12.36	12.48	13	0	
15	16QAM	1	74	12.33	12.13	12.27			
15	16QAM	36	0	12.16	12.16	12.29			
15	16QAM	36	20	12.35	12.35	12.36	13	0	
15	16QAM	36	39	12.17	12.00	12.15			
15	16QAM	75	0	12.27	12.08	12.19			
15	64QAM	1	0	12.34	12.32	12.45			
15	64QAM	1	37	12.23	12.26	12.38	13	0	
15	64QAM	1	74	12.23	12.02	12.18			
15	64QAM	36	0	12.16	12.16	12.28			
15	64QAM	36	20	12.30	12.16	12.24	13	0	
15	64QAM	36	39	12.17	12.12	12.18			
15	64QAM	75	0	12.25	12.08	12.22			
Channel									
Frequency (MHz)									
10	QPSK	1	0	12.41	12.40	12.47			
10	QPSK	1	25	12.32	12.24	12.36	13	0	
10	QPSK	1	49	12.40	12.20	12.21			
10	QPSK	25	0	12.40	12.32	12.40			
10	QPSK	25	12	12.40	12.31	12.37	13	0	
10	QPSK	25	25	12.43	12.23	12.29			
10	QPSK	50	0	12.39	12.27	12.38			
10	16QAM	1	0	12.39	12.38	12.46			
10	16QAM	1	25	12.33	12.33	12.28	13	0	
10	16QAM	1	49	12.22	12.15	12.23			
10	16QAM	25	0	12.18	12.14	12.20			
10	16QAM	25	12	12.24	12.07	12.11	13	0	
10	16QAM	25	25	12.28	12.13	12.19			
10	16QAM	50	0	12.44	12.40	12.34			
10	64QAM	1	0	12.26	12.29	12.34	13	0	
10	64QAM	1	25	12.17	12.20	12.16			
10	64QAM	1	49	12.20	12.15	12.24			
10	64QAM	25	0	12.17	12.13	12.20			
10	64QAM	25	12	12.25	12.07	12.11	13	0	
10	64QAM	25	25	12.27	12.10	12.18			
10	64QAM	50	0	12.37	12.40	12.48			
Channel									
Frequency (MHz)									
5	QPSK	1	0	12.43	12.29	12.33			
5	QPSK	1	12	12.38	12.27	12.32	13	0	
5	QPSK	1	24	12.28	12.18	12.18			
5	QPSK	12	0	12.45	12.29	12.38			
5	QPSK	12	7	12.46	12.29	12.37	13	0	
5	QPSK	12	13	12.36	12.26	12.32			
5	QPSK	25	0	12.42	12.24	12.34			
5	16QAM	1	0	12.40	12.37	12.41			
5	16QAM	1	12	12.42	12.36	12.42	13	0	
5	16QAM	1	24	12.33	12.29	12.30			
5	16QAM	12	0	12.21	12.16	12.22			
5	16QAM	12	7	12.21	12.13	12.18	13	0	
5	16QAM	12	13	12.15	12.09	12.15			
5	16QAM	25	0	12.19	12.10	12.16			
5	64QAM	1	0	12.29	12.25	12.33			
5	64QAM	1	12	12.30	12.22	12.34	13	0	
5	64QAM	1	24	12.23	12.14	12.18			
5	64QAM	12	0	12.21	12.15	12.17			
5	64QAM	12	7	12.20	12.13	12.20	13	0	
5	64QAM	12	13	12.15	12.08	12.12			
5	64QAM	25	0	12.18	12.10	12.13			
Channel									
Frequency (MHz)									
3	QPSK	1	0	12.36	12.29	12.43			
3	QPSK	1	8	12.28	12.24	12.38	13	0	
3	QPSK	1	14	12.26	12.04	12.12			
3	QPSK	8	0	12.35	12.29	12.47			
3	QPSK	8	4	12.31	12.27	12.37	13	0	
3	QPSK	8	7	12.38	12.17	12.31			
3	QPSK	15	0	12.43	12.25	12.37			
3	16QAM	1	0	12.44	12.42	12.50			
3	16QAM	1	8	12.32	12.31	12.47	13	0	
3	16QAM	1	14	12.32	12.12	12.24			
3	16QAM	8	0	12.11	12.11	12.28			
3	16QAM	8	4	12.31	12.13	12.21	13	0	
3	16QAM	8	7	12.12	11.99	12.12			
3	16QAM	15	0	12.35	12.03	12.18			
3	64QAM	1	0	12.33	12.29	12.44			
3	64QAM	1	8	12.18	12.25	12.33	13	0	
3	64QAM	1	14	12.22	11.97	12.17			
3	64QAM	8	0	12.13	12.15	12.25			
3	64QAM	8	4	12.25	12.15	12.19	13	0	
3	64QAM	8	7	12.14	11.94	12.17			
3	64QAM	15	0	12.25	12.07	12.21			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	12.31	12.26	12.38			
1.4	QPSK	1	3	12.25	12.23	12.37	13	0	
1.4	QPSK	1	5	12.25	11.99	12.07			
1.4	QPSK	3	0	12.32	12.26	12.46			
1.4	QPSK	3	1	12.36	12.24	12.32			
1.4	QPSK	3	3	12.37	12.12	12.30	13	0	
1.4	QPSK	6	0	12.40	12.22	12.34			
1.4	16QAM	1	0	12.43	12.41	12.45			
1.4	16QAM	1	5	12.21	11.92	12.16			
1.4	16QAM	1	3	12.31	12.11	12.21	13	0	
1.4	16QAM	3	0	12.06	12.06	12.27			
1.4	16QAM	3	1	12.30	12.10	12.16			
1.4	16QAM	3	3	12.07	11.98	12.05			
1.4	16QAM	6	0	12.25	11.98	12.17	13	0	
1.4	64QAM	1	0	12.32	12.26	12.33			
1.4	64QAM	1	3	12.13	12.24	12.28			
1.4	64QAM	1	5	12.21	11.92	12.16	13	0	
1.4	64QAM	3	0	12.10	12.14	12.22			
1.4	64QAM	3	1	12.20	12.14	12.14			
1.4	64QAM	3	3	12.11	11.89	12.16			
1.4	64QAM	6	0	12.24	12.06	12.20	13	0	

Band 4 (AWS Band)									
Part 27L (only on channel required)									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	12.39	12.46	12.24			
20	QPSK	1	49	12.33	12.28	12.17	13	0	
20	QPSK	1	99	12.20	12.11	12.00			
20	QPSK	50	0	12.37	12.45	12.19			
20	QPSK	50	24	12.32	12.29	12.24	13	0	
20	QPSK	50	50	12.32	12.17	12.07			
20	QPSK	100	0	12.36	12.37	12.22			
20	16QAM	1	0	12.38	12.39	12.27			
20	16QAM	1	49	12.29	12.34	12.22	13	0	
20	16QAM	1	99	12.26	12.14	12.10			
20	16QAM	50	0	12.21	12.18	12.10			
20	16QAM	50	24	12.29	12.14	12.03	13	0	
20	16QAM	50	50	12.38	12.46	12.41			
20	16QAM	100	0	12.44	12.53	12.50			
20	84QAM	1	0	12.40	12.39	12.18			
20	84QAM	1	49	12.30	12.24	12.13	13	0	
20	84QAM	1	99	12.18	12.06	12.10			
20	84QAM	50	0	12.21	12.18	12.30			
20	84QAM	50	24	12.27	12.13	12.32	13	0	
20	84QAM	50	50	12.16	12.06	12.36			
20	84QAM	100	0	12.25	12.05	12.25			
Channel				20025	20175	20320	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	12.38	12.36	12.42			
15	QPSK	1	37	12.39	12.32	12.35	13	0	
15	QPSK	1	74	12.37	12.42	12.33			
15	QPSK	36	0	12.35	12.42	12.41			
15	QPSK	36	20	12.35	12.35	12.43	13	0	
15	QPSK	36	39	12.43	12.40	12.32			
15	QPSK	75	0	12.23	12.38	12.32			
15	16QAM	1	0	12.39	12.36	12.36			
15	16QAM	1	37	12.32	12.25	12.35	13	0	
15	16QAM	1	74	12.24	12.21	12.42			
15	16QAM	36	0	12.25	12.42	12.30			
15	16QAM	36	20	12.25	12.39	12.23	13	0	
15	16QAM	36	39	12.29	12.25	12.11			
15	16QAM	75	0	12.32	12.34	12.22			
15	84QAM	1	0	12.38	12.35	12.45			
15	84QAM	1	37	12.39	12.46	12.30	13	0	
15	84QAM	1	74	12.23	12.39	12.30			
15	84QAM	36	0	12.41	12.42	12.30			
15	84QAM	36	20	12.35	12.38	12.22	13	0	
15	84QAM	36	39	12.31	12.24	12.10			
15	84QAM	75	0	12.41	12.34	12.20			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	12.39	12.32	12.45			
10	QPSK	1	25	12.35	12.33	12.46	13	0	
10	QPSK	1	49	12.25	12.40	12.32			
10	QPSK	25	0	12.27	12.33	12.40	13	0	
10	QPSK	25	12	12.39	12.35	12.36			
10	QPSK	25	25	12.41	12.35	12.44			
10	QPSK	50	0	12.37	12.26	12.37			
10	16QAM	1	0	12.25	12.37	12.40			
10	16QAM	1	25	12.21	12.29	12.32	13	0	
10	16QAM	1	49	12.24	12.27	12.39			
10	16QAM	25	0	12.34	12.40	12.20			
10	16QAM	25	12	12.31	12.46	12.23	13	0	
10	16QAM	25	25	12.22	12.29	12.22			
10	16QAM	50	0	12.27	12.34	12.15			
10	84QAM	1	0	12.35	12.36	12.36			
10	84QAM	1	25	12.29	12.40	12.41	13	0	
10	84QAM	1	49	12.32	12.36	12.27			
10	84QAM	25	0	12.33	12.41	12.20	13	0	
10	84QAM	25	12	12.31	12.40	12.23			
10	84QAM	25	25	12.41	12.29	12.22	13	0	
10	84QAM	50	0	12.40	12.31	12.20			
Channel				1957.5	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	12.35	12.35	12.42			
5	QPSK	1	12	12.33	12.31	12.38	13	0	
5	QPSK	1	24	12.25	12.36	12.29			
5	QPSK	12	0	12.39	12.29	12.45			
5	QPSK	12	7	12.38	12.29	12.44	13	0	
5	QPSK	12	13	12.35	12.33	12.41			
5	QPSK	25	0	12.34	12.44	12.40			
5	16QAM	1	0	12.40	12.31	12.39			
5	16QAM	1	12	12.45	12.39	12.40	13	0	
5	16QAM	1	24	12.35	12.35	12.35			
5	16QAM	12	0	12.19	12.39	12.29			
5	16QAM	12	7	12.21	12.41	12.27			
5	16QAM	12	13	12.15	12.32	12.20	13	0	
5	16QAM	25	0	12.14	12.32	12.20			
5	84QAM	1	0	12.27	12.40	12.36			
5	84QAM	1	12	12.33	12.35	12.31	13	0	
5	84QAM	1	24	12.21	12.40	12.29			
5	84QAM	12	0	12.18	12.39	12.27			
5	84QAM	12	7	12.21	12.40	12.28	13	0	
5	84QAM	12	13	12.13	12.31	12.19			
5	84QAM	25	0	12.13	12.32	12.21			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	12.30	12.32	12.37			
3	QPSK	1	8	12.30	12.30	12.37	13	0	
3	QPSK	1	14	12.24	12.21	12.24			
3	QPSK	8	0	12.36	12.36	12.44			
3	QPSK	8	4	12.33	12.36	12.39	13	0	
3	QPSK	8	7	12.34	12.28	12.40			
3	QPSK	15	0	12.31	12.31	12.37			
3	16QAM	1	0	12.39	12.41	12.44			
3	16QAM	1	8	12.40	12.34	12.45	13	0	
3	16QAM	1	14	12.34	12.29	12.32			
3	16QAM	8	0	12.14	12.14	12.22			
3	16QAM	8	4	12.20	12.18	12.28	13	0	
3	16QAM	8	7	12.10	12.11	12.19			
3	16QAM	15	0	12.13	12.07	12.15			
3	84QAM	1	0	12.26	12.26	12.39			
3	84QAM	1	8	12.28	12.24	12.29	13	0	
3	84QAM	1	14	12.20	12.15	12.28			
3	84QAM	8	0	12.15	12.18	12.24			
3	84QAM	8	4	12.16	12.19	12.23	13	0	
3	84QAM	8	7	12.10	12.06	12.18			
3	84QAM	15	0	12.12	12.11	12.20			
Channel				19657	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	3	0	12.33	12.33	12.17			
1.4	QPSK	3	3	12.26	12.21	12.04	13	0	
1.4	QPSK	3	5	12.26	12.09	11.98			
1.4	QPSK	3	0	12.32	12.29	12.22			
1.4	QPSK	3	1	12.40	12.22	12.08			
1.4	QPSK	3	3	12.32	12.12	12.01			
1.4	QPSK	6	0	12.40	12.25	12.08	13	0	
1.4	16QAM	1	0	12.38	12.34	12.31			
1.4	16QAM	1	3	12.37	12.26	12.44	13	0	
1.4	16QAM	1	5	12.23	12.25	12.39			
1.4	16QAM	3	0	12.25	12.37	12.29			
1.4	16QAM	3	1	12.24	12.36	12.18			
1.4	16QAM	3	3	12.24	12.24	12.06			
1.4	16QAM	6	0	12.31	12.29	12.21	13	0	
1.4	84QAM	1	0	12.37	12.32	12.44			
1.4	84QAM	1	3	12.27	12.38	12.30			
1.4	84QAM	1	5	12.22	12.34	12.26	13	0	
1.4	84QAM	3	0	12.25	12.41	12.27			
1.4	84QAM	3	1	12.25	12.37	12.17			
1.4	84QAM	3	3	12.38	12.19	12.09			
1.4	84QAM	6	0	12.35	12.33	12.19	13	0	

Band 7 (2600MHz Band)											
Part 27											
BW (MHz)	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	15.33	15.61	15.29	16	0			
20	QPSK	1	49	15.26	15.33	15.45					
20	QPSK	1	99	15.30	15.37	15.44					
20	QPSK	50	0	15.23	15.36	15.29					
20	QPSK	50	24	15.28	15.28	15.35	16	0			
20	QPSK	50	50	15.27	15.24	15.28					
20	QPSK	100	0	15.27	15.34	15.33					
20	16QAM	1	0	15.24	15.14	15.40					
20	16QAM	1	49	15.25	15.31	15.53	16	0			
20	16QAM	1	99	15.26	15.24	15.35					
20	16QAM	50	0	15.25	15.24	15.48					
20	16QAM	50	24	15.39	15.36	15.48					
20	16QAM	50	50	15.36	15.36	15.30	16	0			
20	16QAM	100	0	15.32	15.35	15.45					
20	64QAM	1	0	15.48	15.48	15.37					
20	64QAM	1	49	15.49	15.33	15.39	16	0			
20	64QAM	1	99	15.56	15.27	15.39					
20	64QAM	50	0	15.31	15.31	15.40					
20	64QAM	50	24	15.35	15.33	15.46					
20	64QAM	50	50	15.34	15.34	15.57	16	0			
20	64QAM	100	0	15.35	15.37	15.45					
Channel				20825	21100	21375	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	15.44	15.38	15.52	16	0			
15	QPSK	1	37	15.44	15.34	15.60					
15	QPSK	1	74	15.25	15.31	15.53					
15	QPSK	36	0	15.26	15.24	15.35					
15	QPSK	36	20	15.25	15.24	15.48	16	0			
15	QPSK	36	39	15.25	15.25	15.46					
15	QPSK	75	0	15.23	15.21	15.37					
15	16QAM	1	0	15.24	15.23	15.38					
15	16QAM	1	37	15.22	15.21	15.39	16	0			
15	16QAM	1	74	15.36	15.29	15.26					
15	16QAM	36	0	15.33	15.34	15.48					
15	16QAM	36	20	15.40	15.36	15.60					
15	16QAM	36	39	15.37	15.37	15.57	16	0			
15	16QAM	75	0	15.36	15.33	15.47					
15	64QAM	1	0	15.31	15.29	15.32					
15	64QAM	1	37	15.29	15.28	15.48	16	0			
15	64QAM	1	74	15.36	15.38	15.59					
15	64QAM	36	0	15.09	15.12	15.26					
15	64QAM	36	20	15.18	15.14	15.38					
15	64QAM	36	39	15.15	15.15	15.36	16	0			
15	64QAM	75	0	15.14	15.11	15.25					
Channel				20800	21100	21400	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	15.36	15.38	15.55	16	0			
10	QPSK	1	25	15.35	15.38	15.59					
10	QPSK	1	49	15.23	15.22	15.44					
10	QPSK	25	0	15.17	15.20	15.40					
10	QPSK	25	12	15.19	15.21	15.46	16	0			
10	QPSK	25	25	15.21	15.20	15.43					
10	QPSK	50	0	15.22	15.23	15.41					
10	16QAM	1	0	15.20	15.18	15.42					
10	16QAM	1	25	15.20	15.24	15.42	16	0			
10	16QAM	1	49	15.24	15.27	15.44					
10	16QAM	25	0	15.32	15.30	15.53					
10	16QAM	25	12	15.35	15.33	15.54					
10	16QAM	25	25	15.33	15.32	15.56	16	0			
10	16QAM	50	0	15.31	15.33	15.55					
10	64QAM	1	0	15.25	15.26	15.42					
10	64QAM	1	25	15.24	15.24	15.46					
10	64QAM	1	49	15.32	15.29	15.55	16	0			
10	64QAM	25	0	15.09	15.10	15.32					
10	64QAM	25	12	15.14	15.10	15.34					
10	64QAM	25	25	15.11	15.12	15.35					
10	64QAM	50	0	15.09	15.11	15.32					
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	15.35	15.34	15.54	16	0			
5	QPSK	1	12	15.34	15.37	15.58					
5	QPSK	1	24	15.19	15.20	15.41					
5	QPSK	12	0	15.22	15.19	15.44					
5	QPSK	12	7	15.26	15.22	15.46	16	0			
5	QPSK	12	13	15.23	15.22	15.44					
5	QPSK	25	0	15.19	15.18	15.42					
5	16QAM	1	0	15.17	15.16	15.43					
5	16QAM	1	12	15.18	15.23	15.40	16	0			
5	16QAM	1	24	15.15	15.17	15.46					
5	16QAM	12	0	15.33	15.30	15.54					
5	16QAM	12	7	15.37	15.37	15.60					
5	16QAM	12	13	15.35	15.35	15.58	16	0			
5	16QAM	25	0	15.30	15.30	15.52					
5	64QAM	1	0	15.20	15.25	15.48					
5	64QAM	1	12	15.20	15.24	15.50					
5	64QAM	1	24	15.32	15.24	15.50	16	0			
5	64QAM	12	0	15.10	15.09	15.33					
5	64QAM	12	7	15.13	15.12	15.37					
5	64QAM	12	13	15.13	15.10	15.34					
5	64QAM	25	0	15.09	15.07	15.31					

Band 66									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	12.20	12.45	12.32	13	0	
20	QPSK	1	49	12.23	12.24	12.34			
20	QPSK	1	99	12.18	12.26	12.30			
20	QPSK	50	0	12.25	12.35	12.30	13	0	
20	QPSK	50	24	12.07	12.03	12.01			
20	QPSK	50	50	12.02	12.03	12.10			
20	QPSK	100	0	12.08	12.23	12.11	13	0	
20	16QAM	1	0	12.37	12.34	12.34			
20	16QAM	1	49	12.23	12.33	12.41			
20	16QAM	1	99	12.20	12.43	12.43	13	0	
20	16QAM	50	0	12.06	12.11	12.11			
20	16QAM	50	24	12.15	12.09	12.12			
20	16QAM	50	50	12.09	12.04	12.20	13	0	
20	16QAM	100	0	12.14	12.06	12.08			
20	64QAM	1	0	12.18	12.16	12.32			
20	64QAM	1	49	12.22	12.12	12.40	13	0	
20	64QAM	1	99	12.19	12.30	12.31			
20	64QAM	50	0	12.06	12.11	12.12			
20	64QAM	50	24	12.09	12.10	12.14	13	0	
20	64QAM	50	50	12.09	12.05	12.16			
20	64QAM	100	0	12.08	12.07	12.04			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	12.22	12.34	12.22	13	0	
15	QPSK	1	37	12.22	12.19	12.34			
15	QPSK	1	74	12.25	12.16	12.31			
15	QPSK	36	0	12.27	12.31	12.24	13	0	
15	QPSK	36	20	12.00	12.02	12.09			
15	QPSK	36	39	12.06	11.93	12.06			
15	QPSK	75	0	12.02	12.00	11.96	13	0	
15	16QAM	1	0	12.39	12.41	12.34			
15	16QAM	1	37	12.29	12.25	12.42			
15	16QAM	1	74	12.27	12.19	12.44	13	0	
15	16QAM	36	0	12.06	12.05	12.11			
15	16QAM	36	20	12.11	12.08	12.23			
15	16QAM	36	39	12.09	12.01	12.17	13	0	
15	16QAM	75	0	12.14	12.05	12.10			
15	64QAM	1	0	12.25	12.32	12.29			
15	64QAM	1	37	12.26	12.38	12.35	13	0	
15	64QAM	1	74	12.22	12.20	12.25			
15	64QAM	1	74	12.11	12.11	12.09			
15	64QAM	36	0	12.11	12.11	12.27	13	0	
15	64QAM	36	20	12.14	12.14	12.29			
15	64QAM	36	39	12.21	12.07	12.21			
15	64QAM	75	0	12.13	12.06	12.08			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	12.25	12.29	12.37	13	0	
10	QPSK	1	25	12.25	12.27	12.34			
10	QPSK	1	49	12.21	12.17	12.31			
10	QPSK	25	0	12.25	12.27	12.38	13	0	
10	QPSK	25	12	11.99	11.97	12.04			
10	QPSK	25	25	11.91	11.97	12.02			
10	QPSK	50	0	11.94	12.00	12.04	13	0	
10	16QAM	1	0	12.39	12.43	12.42			
10	16QAM	1	25	12.43	12.28	12.40			
10	16QAM	1	49	12.30	12.33	12.41	13	0	
10	16QAM	25	0	12.10	12.12	12.17			
10	16QAM	25	12	12.02	12.14	12.23			
10	16QAM	25	25	12.02	12.02	12.13	13	0	
10	16QAM	50	0	12.10	12.06	12.19			
10	64QAM	1	0	12.33	12.36	12.30			
10	64QAM	1	25	12.27	12.31	12.41	13	0	
10	64QAM	1	49	12.26	12.23	12.23			
10	64QAM	25	0	12.11	12.13	12.21			
10	64QAM	25	12	12.11	12.15	12.16	13	0	
10	64QAM	25	25	12.06	12.06	12.13			
10	64QAM	50	0	12.10	12.09	12.16			
Channel				131192	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	12.26	12.29	12.35	13	0	
5	QPSK	1	12	12.25	12.21	12.38			
5	QPSK	1	24	12.25	12.24	12.32			
5	QPSK	12	0	12.24	12.28	12.35	13	0	
5	QPSK	12	7	12.03	11.99	12.09			
5	QPSK	12	13	11.96	11.96	12.03			
5	QPSK	25	0	11.99	11.95	12.04	13	0	
5	16QAM	1	0	12.39	12.43	12.43			
5	16QAM	1	12	12.41	12.39	12.36			
5	16QAM	1	24	12.31	12.33	12.45	13	0	
5	16QAM	12	0	12.10	12.09	12.20			
5	16QAM	12	7	12.13	12.14	12.21			
5	16QAM	12	13	12.10	12.06	12.20	13	0	
5	16QAM	25	0	12.04	12.10	12.18			
5	64QAM	1	0	12.24	12.24	12.29			
5	64QAM	1	12	12.22	12.37	12.38	13	0	
5	64QAM	1	24	12.24	12.24	12.24			
5	64QAM	12	0	12.15	12.14	12.25			
5	64QAM	12	7	12.18	12.21	12.28	13	0	
5	64QAM	12	13	12.09	12.10	12.20			
5	64QAM	25	0	12.07	12.12	12.16			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	12.28	12.27	12.32	13	0	
3	QPSK	1	8	12.26	12.24	12.34			
3	QPSK	1	14	12.23	12.24	12.31			
3	QPSK	8	0	12.24	12.31	12.35	13	0	
3	QPSK	8	4	12.01	11.99	12.12			
3	QPSK	8	7	11.98	11.96	12.05			
3	QPSK	15	0	11.96	11.98	12.01	13	0	
3	16QAM	1	0	12.36	12.38	12.43			
3	16QAM	1	8	12.32	12.36	12.42			
3	16QAM	1	14	12.31	12.22	12.38	13	0	
3	16QAM	8	0	12.13	12.12	12.26			
3	16QAM	8	4	12.16	12.19	12.27			
3	16QAM	8	7	12.13	12.17	12.22	13	0	
3	16QAM	15	0	12.07	12.12	12.19			
3	64QAM	1	0	12.16	12.20	12.33			
3	64QAM	1	8	12.24	12.25	12.37	13	0	
3	64QAM	1	14	12.16	12.21	12.32			
3	64QAM	8	0	12.07	12.08	12.21			
3	64QAM	8	4	12.16	12.16	12.21	13	0	
3	64QAM	8	7	12.12	12.12	12.16			
3	64QAM	15	0	12.06	12.06	12.15			
Channel				131999	132322	132665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	12.22	12.21	12.23	13	0	
1.4	QPSK	1	3	12.24	12.28	12.31			
1.4	QPSK	1	5	12.15	12.21	12.22			
1.4	QPSK	3	0	12.22	12.26	12.30	13	0	
1.4	QPSK	3	1	12.29	12.29	12.33			
1.4	QPSK	3	3	12.25	12.23	12.29			
1.4	QPSK	6	0	12.21	12.23	12.27	13	0	
1.4	16QAM	1	0	12.20	12.20	12.23			
1.4	16QAM	1	3	12.29	12.28	12.31			
1.4	16QAM	1	5	12.19	12.16	12.27	13	0	
1.4	16QAM	3	0	11.90	11.84	12.04			
1.4	16QAM	3	1	11.99	12.00	12.09			
1.4	16QAM	3	3	11.96	11.97	12.05	13	0	
1.4	16QAM	6	0	12.04	11.99	12.11			
1.4	64QAM	1	0	12.03	12.04	12.17			
1.4	64QAM	1	3	12.17	12.09	12.23	13	0	
1.4	64QAM	1	6	12.06	12.06	12.06			
1.4	64QAM	3	0	11.96	12.00	12.03			
1.4	64QAM	3	1	12.03	12.05	12.13	13	0	
1.4	64QAM	3	3	12.00	12.01	12.06			
1.4	64QAM	6	0	11.95	11.90	12.02			

Band 38(only on channel required)

BW [MHz]	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	19.5	0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.23	19.23	19.22		
20	QPSK	1	49	19.27	19.25	19.24	19.5	0
20	QPSK	1	99	19.25	19.29	19.20		
20	QPSK	50	0	19.01	18.98	19.02		
20	QPSK	50	24	19.03	19.02	19.00	19.5	0
20	QPSK	50	50	19.04	19.01	19.04		
20	QPSK	100	0	19.03	19.02	19.02		
20	16QAM	1	0	19.14	19.11	19.14	19.5	0
20	16QAM	1	49	19.16	19.12	19.16		
20	16QAM	1	99	19.22	19.17	19.24		
20	16QAM	50	0	19.14	19.07	19.12	19.5	0
20	16QAM	50	24	19.13	19.13	19.12		
20	16QAM	50	50	19.17	19.12	19.17		
20	16QAM	100	0	19.14	19.11	19.10	19.5	0
20	64QAM	1	0	18.88	18.81	18.88		
20	64QAM	1	49	18.88	18.84	18.88		
20	64QAM	1	99	18.94	18.91	18.91	19.5	0
20	64QAM	50	0	19.07	19.03	19.06		
20	64QAM	50	24	19.06	19.09	19.07		
20	64QAM	50	50	19.10	19.05	19.09	19.5	0
20	64QAM	100	0	19.18	19.15	19.18		
Channel				37925	38000	38175	19.5	0
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	18.91	18.92	18.93		
15	QPSK	1	37	18.94	18.90	18.90	19.5	0
15	QPSK	1	74	19.01	19.01	19.02		
15	QPSK	36	0	18.93	18.91	18.98	19.5	0
15	QPSK	36	20	18.98	18.98	19.02		
15	QPSK	36	39	18.96	18.97	19.00		
15	QPSK	75	0	18.95	18.97	18.97	19.5	0
15	16QAM	1	0	19.10	19.10	19.15		
15	16QAM	1	37	19.09	19.07	19.09		
15	16QAM	1	74	19.21	19.23	19.20	19.5	0
15	16QAM	36	0	19.04	19.00	19.00		
15	16QAM	36	20	19.09	19.02	19.04		
15	16QAM	36	39	19.10	19.05	19.08	19.5	0
15	16QAM	75	0	19.09	19.06	19.06		
15	64QAM	1	0	18.84	18.83	18.82		
15	64QAM	1	37	18.81	18.77	18.78	19.5	0
15	64QAM	1	74	18.93	18.89	18.93		
15	64QAM	36	0	19.05	19.04	19.10		
15	64QAM	36	20	19.11	19.11	19.07	19.5	0
15	64QAM	36	39	19.11	19.12	19.14		
15	64QAM	75	0	19.10	19.08	19.09		
Channel				37900	38000	38200	19.5	0
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	18.89	18.85	18.90		
10	QPSK	1	25	18.89	18.87	18.91	19.5	0
10	QPSK	1	49	18.96	18.96	18.98		
10	QPSK	25	0	18.88	18.87	18.89	19.5	0
10	QPSK	25	12	18.94	18.92	18.96		
10	QPSK	25	25	18.92	18.93	18.94		
10	QPSK	50	0	18.96	18.96	18.97	19.5	0
10	16QAM	1	0	19.05	19.05	19.05		
10	16QAM	1	25	19.05	19.05	19.06		
10	16QAM	1	49	19.11	19.05	19.15	19.5	0
10	16QAM	25	0	19.04	19.03	19.05		
10	16QAM	25	12	19.06	19.05	19.08		
10	16QAM	25	25	19.08	19.08	19.07	19.5	0
10	16QAM	50	0	19.07	19.05	19.08		
10	64QAM	1	0	18.79	18.78	18.81		
10	64QAM	1	25	18.79	18.74	18.79	19.5	0
10	64QAM	1	49	18.82	18.83	18.88		
10	64QAM	25	0	18.98	18.98	19.00		
10	64QAM	25	12	19.03	19.03	19.04	19.5	0
10	64QAM	25	25	19.01	19.01	19.05		
10	64QAM	50	0	19.00	18.96	18.99		
Channel				37775	38000	38225	19.5	0
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	18.90	18.84	18.91		
5	QPSK	1	12	18.92	18.93	18.95	19.5	0
5	QPSK	1	24	18.85	18.84	18.92		
5	QPSK	12	0	18.95	18.90	18.95	19.5	0
5	QPSK	12	7	18.96	18.93	19.00		
5	QPSK	12	13	18.96	18.92	18.99		
5	QPSK	25	0	18.94	18.91	18.96	19.5	0
5	16QAM	1	0	19.04	19.04	19.07		
5	16QAM	1	12	19.08	19.07	19.09		
5	16QAM	1	24	19.11	19.08	19.13	19.5	0
5	16QAM	12	0	19.00	18.96	19.03		
5	16QAM	12	7	19.04	19.04	19.05		
5	16QAM	12	13	19.03	19.03	19.05	19.5	0
5	16QAM	25	0	19.07	19.06	19.12		
5	64QAM	1	0	18.81	18.79	18.85		
5	64QAM	1	12	18.83	18.75	18.82	19.5	0
5	64QAM	1	24	18.85	18.78	18.87		
5	64QAM	12	0	18.99	18.97	19.01		
5	64QAM	12	7	19.05	19.00	19.06	19.5	0
5	64QAM	12	13	19.04	19.00	19.04		
5	64QAM	25	0	18.99	19.00	19.04		

Band 41 (2.6G Band)

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				40140	40390	40640	40890	41140	19.5	0
Frequency (MHz)				2545	2570	2595	2620	2645		
20	QPSK	1	0	19.16	19.11	19.15	19.32	19.23		
20	QPSK	1	49	19.00	19.00	19.12	19.00	19.12	19.5	0
20	QPSK	1	99	19.03	18.92	19.10	18.96	19.12		
20	QPSK	50	0	19.11	19.11	19.14	19.23	19.22		
20	QPSK	50	24	19.08	19.08	19.14	19.10	19.19	19.5	0
20	QPSK	50	50	19.11	19.00	19.08	19.03	19.18		
20	QPSK	100	0	19.16	19.05	19.09	19.20	19.19		
20	16QAM	1	0	19.25	19.30	19.31	19.29	19.15	19.5	0
20	16QAM	1	49	19.20	19.16	19.21	19.18	19.30		
20	16QAM	1	99	19.22	19.07	19.23	19.12	19.28		
20	16QAM	50	0	19.26	19.22	19.14	19.22	19.31	19.5	0
20	16QAM	50	24	19.25	19.17	19.09	19.17	19.27		
20	16QAM	50	50	19.30	19.11	19.12	19.11	19.27		
20	16QAM	100	0	19.30	19.16	19.15	19.13	19.26	19.5	0
20	64QAM	1	0	19.05	19.07	18.93	19.01	19.10		
20	64QAM	1	49	18.92	18.85	18.84	18.87	18.97		
20	64QAM	1	99	18.95	18.79	18.64	18.80	18.96	19.5	0
20	64QAM	50	0	18.71	18.68	19.01	18.63	18.77		
20	64QAM	50	24	18.69	18.62	18.92	18.63	18.75		
20	64QAM	50	50	18.73	18.57	18.87	18.55	18.70	19.5	0
20	64QAM	100	0	18.85	18.71	18.99	18.68	18.80		
Channel				40115	40378	40640	40903	41165		
Frequency (MHz)				2542.5	2568.8	2595	2621.3	2647.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	18.99	19.08	19.10	19.08	19.14	19.5	0
15	QPSK	1	37	18.94	18.98	18.98	19.09	19.12		
15	QPSK	1	74	18.94	18.94	19.02	19.09	19.10		
15	QPSK	36	0	18.98	19.01	19.02	19.09	19.14	19.5	0
15	QPSK	36	20	18.91	19.00	19.03	19.12	19.14		
15	QPSK	36	39	18.90	18.92	18.94	19.08	19.08		
15	QPSK	75	0	18.90	18.97	19.03	19.14	19.09	19.5	0
15	16QAM	1	0	19.23	19.25	19.27	19.28	19.31		
15	16QAM	1	37	19.19	19.13	19.13	19.25	19.21		
15	16QAM	1	74	19.16	19.09	19.16	19.20	19.23	19.5	0
15	16QAM	36	0	19.11	19.06	19.11	19.19	19.14		
15	16QAM	36	20	19.10	19.04	19.10	19.23	19.09		
15	16QAM	36	39	19.07	19.00	19.04	19.16	19.12	19.5	0
15	16QAM	75	0	19.14	19.09	19.10	19.22	19.15		
15	64QAM	1	0	18.98	18.92	18.78	18.60	18.93		
15	64QAM	1	37	18.86	18.83	18.70	18.73	18.84	19.5	0
15	64QAM	1	74	18.87	18.78	18.69	18.67	18.64		
15	64QAM	36	0	18.92	18.81	18.80	18.58	19.01		
15	64QAM	36	20	18.87	18.82	18.80	18.64	18.92	19.5	0
15	64QAM	36	39	18.99	18.75	18.78	18.81	18.89		
15	64QAM	75	0	18.85	18.83	18.82	18.93	18.97		
Channel				40090	40365	40640	40915	41190	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2567.5	2595	2622.5	2650	19.5	0
10	QPSK	1	0	19.09	18.99	19.01	18.99	19.01		
10	QPSK	1	25	19.09	18.92	18.91	18.93	19.00		
10	QPSK	1	49	19.09	18.92	18.98	18.96	19.00	19.5	0
10	QPSK	25	0	19.09	18.94	18.97	19.00	19.03		
10	QPSK	25	12	19.12	18.98	18.97	18.96	19.04		
10	QPSK	25	25	19.08	18.93	18.96	18.95	19.04	19.5	0
10	QPSK	50	0	19.14	18.99	18.98	19.13	19.07		
10	16QAM	1	0	19.28	19.13	19.05	19.14	19.20		
10	16QAM	1	25	19.25	19.04	18.96	19.11	19.04	19.5	0
10	16QAM	1	49	19.20	18.96	18.98	19.06	19.07		
10	16QAM	25	0	19.19	19.05	18.98	19.06	19.00		
10	16QAM	25	12	19.23	19.02	18.97	19.03	19.03	19.5	0
10	16QAM	25	25	19.16	18.95	19.00	19.08	19.07		
10	16QAM	50	0	19.22	19.04	19.04	18.92	19.07		
10	64QAM	1	0	18.60	18.73	18.65	18.96	18.98	19.5	0
10	64QAM	1	25	18.73	18.69	19.00	19.01	19.05		
10	64QAM	1	49	18.67	18.67	19.04	18.97	18.96		
10	64QAM	25	0	18.78	19.00	18.74	18.57	18.54	19.5	0
10	64QAM	25	12	18.84	19.00	18.78	18.58	18.51		
10	64QAM	25	25	19.01	19.01	18.84	18.58	18.54		
10	64QAM	50	0	18.51	19.00	18.68	18.61	18.54	19.5	0
Channel				40065	40353	40640	40928	41215		
Frequency (MHz)				2537.5	2566.3	2595	2623.80	2652.5		
5	QPSK	1	0	19.04	18.97	18.95	19.00	19.07	19.5	0
5	QPSK	1	12	19.06	18.99	18.96	19.00	19.08		
5	QPSK	1	24	18.99	18.93	18.95	19.03	19.05		
5	QPSK	12	0	19.07	18.96	19.00	19.04	19.07	19.5	0
5	QPSK	12	7	19.09	19.00	19.03	19.04	19.11		
5	QPSK	12	13	19.08	18.96	18.99	19.07	19.09		
5	QPSK	25	0	19.05	18.95	18.96	19.20	19.05	19.5	0
5	16QAM	1	0	19.21	19.13	19.11	19.04	19.24		
5	16QAM	1	12	19.21	19.14	19.10	19.07	19.26		
5	16QAM	1	24	19.20	19.11	19.09	19.00	19.22	19.5	0
5	16QAM	12	0	19.11	19.06	19.02	19.03	19.14		
5	16QAM	12	7	19.14	19.06	19.04	19.07	19.15		
5	16QAM	12	13	19.11	19.03	19.02	19.07	19.16	19.5	0
5	16QAM	25	0	19.18	19.08	19.05	18.98	19.18		
5	64QAM	1	0	18.98	18.92	18.94	19.05	19.03		
5	64QAM	1	12	19.01	18.96	18.93	18.96	19.03	19.5	0
5	64QAM	1	24	18.97	18.91	18.91	18.93	19.02		
5	64QAM	12	0	18.57	18.54	18.50	18.51	18.63		
5	64QAM	12	7	18.58	18.53	18.53	18.54	18.67	19.5	0
5	64QAM	12	13	18.58	18.50	18.51	18.54	18.63		
5	64QAM	25	0	18.61	18.70	18.50	18.68	18.64		

Reduced Power Mode for Handheld on

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	18.23	18.27	18.15	20.00	18.50	18.51	18.38	19.00
3GPP Rel 99	RMC 12.2Kbps	18.24	18.28	18.16	20.00	18.51	18.52	18.39	19.00
3GPP Rel 6	HSDPA Subtest-1	17.88	17.70	17.64	19.00	17.71	17.70	17.73	18.00
3GPP Rel 6	HSDPA Subtest-2	17.85	17.72	17.66	19.00	17.50	17.49	17.29	18.00
3GPP Rel 6	HSDPA Subtest-3	17.36	17.16	17.10	18.50	17.02	17.19	17.02	17.50
3GPP Rel 6	HSDPA Subtest-4	17.40	17.15	17.09	18.50	17.05	17.18	17.03	17.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.77	17.70	17.64	19.00	17.52	17.62	17.50	18.00
3GPP Rel 8	DC-HSDPA Subtest-2	17.76	17.68	17.62	19.00	17.50	17.61	17.46	18.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.91	16.60	17.04	18.50	17.02	17.11	16.99	17.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.90	16.65	17.09	18.50	17.00	17.10	17.00	17.50
3GPP Rel 6	HSUPA Subtest-1	17.81	17.58	17.52	19.00	17.39	17.66	17.64	18.00
3GPP Rel 6	HSUPA Subtest-2	15.82	15.63	15.57	17.00	15.70	15.66	15.64	16.00
3GPP Rel 6	HSUPA Subtest-3	16.80	16.59	16.53	18.00	16.40	16.65	16.63	17.00
3GPP Rel 6	HSUPA Subtest-4	15.84	15.61	15.55	17.00	15.53	15.62	15.60	16.00
3GPP Rel 6	HSUPA Subtest-5	17.70	17.60	17.60	19.00	17.30	17.60	17.50	18.00

Band 2 (1900MHz Band) Part 24E									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18800	19100			
Frequency (MHz)				18680	18800	19000			
20	QPSK	1	0	19.08	19.09	18.97	20	0	
20	QPSK	1	49	18.99	19.00	18.92			
20	QPSK	1	99	18.98	18.92	18.79			
20	QPSK	50	0	19.99	19.05	18.93	20	0	
20	QPSK	50	24	19.00	19.03	18.94			
20	QPSK	50	50	19.02	18.95	18.85			
20	QPSK	100	0	18.93	18.97	18.91	20	0	
20	16QAM	1	0	19.02	18.97	18.92			
20	16QAM	1	49	18.93	18.95	18.93			
20	16QAM	1	99	18.97	18.92	18.76	20	0	
20	16QAM	50	0	18.96	18.97	18.89			
20	16QAM	50	24	18.99	19.00	18.81			
20	16QAM	50	50	19.02	18.92	18.80	20	0	
20	16QAM	100	0	19.02	18.90	18.85			
20	64QAM	1	0	18.99	18.95	18.90			
20	64QAM	1	49	18.94	18.99	18.88	20	0	
20	64QAM	1	99	18.93	18.86	18.71			
20	64QAM	50	0	18.75	18.75	18.70			
20	64QAM	50	24	18.77	18.77	18.71	20	0	
20	64QAM	50	50	18.80	18.69	18.60			
20	64QAM	100	0	18.88	18.72	18.64			
Channel				18975	18900	19125			
Frequency (MHz)				18957.5	18800	1902.5			
15	QPSK	1	0	18.85	18.89	18.84	20	0	
15	QPSK	1	37	18.88	18.87	18.77			
15	QPSK	1	74	18.78	18.82	18.66			
15	QPSK	36	0	18.92	18.92	18.83	20	0	
15	QPSK	36	20	18.95	18.95	18.84			
15	QPSK	36	39	18.90	18.88	18.76			
15	QPSK	75	0	18.88	18.86	18.80	20	0	
15	16QAM	1	0	18.94	18.93	18.90			
15	16QAM	1	37	18.93	18.98	18.86			
15	16QAM	1	74	18.85	18.92	18.76	20	0	
15	16QAM	36	0	18.69	18.70	18.60			
15	16QAM	36	20	18.72	18.71	18.58			
15	16QAM	36	39	18.66	18.63	18.52	20	0	
15	16QAM	75	0	18.66	18.63	18.54			
15	64QAM	1	0	18.84	18.85	18.74			
15	64QAM	1	37	18.81	18.83	18.75	20	0	
15	64QAM	1	74	18.77	18.76	18.65			
15	64QAM	36	0	18.67	18.68	18.59			
15	64QAM	36	20	18.70	18.72	18.58	20	0	
15	64QAM	36	39	18.64	18.62	18.52			
15	64QAM	75	0	18.66	18.61	18.50			
Channel				18950	18900	19150			
Frequency (MHz)				18955	18800	19005			
10	QPSK	1	0	19.00	18.96	18.80	20	0	
10	QPSK	1	25	18.86	18.85	18.75			
10	QPSK	1	49	18.87	18.87	18.69			
10	QPSK	25	0	18.92	18.89	18.78	20	0	
10	QPSK	25	12	18.94	18.91	18.78			
10	QPSK	25	25	18.85	18.84	18.74			
10	QPSK	50	0	18.90	18.91	18.78	20	0	
10	16QAM	1	0	19.03	19.02	18.91			
10	16QAM	1	25	18.97	18.99	18.86			
10	16QAM	1	49	18.96	18.96	18.76	20	0	
10	16QAM	25	0	18.68	18.66	18.54			
10	16QAM	25	12	18.68	18.68	18.56			
10	16QAM	25	25	18.61	18.64	18.51	20	0	
10	16QAM	50	0	18.66	18.68	18.54			
10	64QAM	1	0	18.95	18.89	18.75			
10	64QAM	1	25	18.80	18.83	18.73	20	0	
10	64QAM	1	49	18.83	18.85	18.63			
10	64QAM	25	0	18.68	18.66	18.56			
10	64QAM	25	12	18.64	18.67	18.55	20	0	
10	64QAM	25	25	18.65	18.62	18.50			
10	64QAM	50	0	18.65	18.63	18.53			
Channel				18925	18900	19175			
Frequency (MHz)				18925.5	18800	1907.5			
5	QPSK	1	0	18.87	18.86	18.76	20	0	
5	QPSK	1	12	18.92	18.85	18.74			
5	QPSK	1	24	18.83	18.87	18.69			
5	QPSK	12	0	18.93	18.94	18.78	20	0	
5	QPSK	12	7	18.91	18.94	18.79			
5	QPSK	12	13	18.88	18.86	18.75			
5	QPSK	25	0	18.87	18.86	18.76	20	0	
5	16QAM	1	0	18.96	18.95	18.81			
5	16QAM	1	12	18.99	18.96	18.85			
5	16QAM	1	24	18.92	18.92	18.77	20	0	
5	16QAM	12	0	18.70	18.66	18.55			
5	16QAM	12	7	18.71	18.70	18.58			
5	16QAM	12	13	18.68	18.66	18.53	20	0	
5	16QAM	25	0	18.61	18.65	18.50			
5	64QAM	1	0	18.85	18.83	18.66			
5	64QAM	1	12	18.87	18.81	18.71	20	0	
5	64QAM	1	24	18.78	18.77	18.61			
5	64QAM	12	0	18.67	18.69	18.52			
5	64QAM	12	7	18.67	18.68	18.57	20	0	
5	64QAM	12	13	18.65	18.64	18.50			
5	64QAM	25	0	18.59	18.64	18.69			
Channel				18915	18900	19185			
Frequency (MHz)				18915.5	18800	1908.5			
3	QPSK	1	0	18.87	18.86	18.71	20	0	
3	QPSK	1	8	18.89	18.86	18.71			
3	QPSK	1	14	18.82	18.80	18.71			
3	QPSK	8	0	18.91	18.90	18.78	20	0	
3	QPSK	8	4	18.93	18.95	18.80			
3	QPSK	8	7	18.89	18.89	18.75			
3	QPSK	15	0	18.87	18.87	18.74	20	0	
3	16QAM	1	0	18.96	18.92	18.83			
3	16QAM	1	8	18.97	18.98	18.78			
3	16QAM	1	14	18.92	18.93	18.72	20	0	
3	16QAM	8	0	18.75	18.71	18.54			
3	16QAM	8	4	18.78	18.75	18.59			
3	16QAM	8	7	18.73	18.70	18.53	20	0	
3	16QAM	15	0	18.67	18.63	18.53			
3	64QAM	1	0	18.83	18.82	18.65			
3	64QAM	1	8	18.84	18.86	18.67	20	0	
3	64QAM	1	14	18.79	18.75	18.63			
3	64QAM	8	0	18.66	18.66	18.51			
3	64QAM	8	4	18.71	18.71	18.54	20	0	
3	64QAM	8	7	18.69	18.66	18.50			
3	64QAM	15	0	18.62	18.62	18.50			
Channel				18905	18900	19195			
Frequency (MHz)				18907	18800	19093.5			
1.4	QPSK	1	0	18.80	18.81	18.64	20	0	
1.4	QPSK	1	3	18.88	18.84	18.72			
1.4	QPSK	1	5	18.76	18.74	18.63			
1.4	QPSK	3	0	18.83	18.84	18.69	20	0	
1.4	QPSK	3	1	18.88	18.86	18.71			
1.4	QPSK	3	3	18.82	18.81	18.67			
1.4	QPSK	6	0	18.85	18.82	18.68	20	0	
1.4	16QAM	1	0	18.91	18.80	18.68			
1.4	16QAM	1	5	18.92	18.94	18.71			
1.4	16QAM	1	5	18.86	18.83	18.65	20	0	
1.4	16QAM	3	0	18.63	18.63	18.76			
1.4	16QAM	3	1	18.69	18.66	18.50	20	0	
1.4	16QAM	3	3	18.57	18.58	18.73			
1.4	16QAM	6	0	18.64	18.64	18.72			
1.4	64QAM	1	0	18.73	18.73	18.53	20	0	
1.4	64QAM	1	3	18.77	18.77	18.58			
1.4	64QAM	1	5	18.73	18.71	18.53			
1.4	64QAM	3	0	18.62	18.64	18.69	20	0	
1.4	64QAM	3	1	18.63	18.71	18.75			
1.4	64QAM	3	3	18.59	18.62	18.82			
1.4	64QAM	6	0	18.55	18.55	18.82	20	0	

Band 7 (2600MHz Band)									
Part 27									
BW [MHz]	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	20.99	21.24	21.09	22.5	0	
20	QPSK	1	49	20.85	20.89	21.06			
20	QPSK	1	99	20.87	20.84	20.95			
20	QPSK	50	0	20.91	21.00	20.94	22.5	0	
20	QPSK	50	24	20.93	20.95	20.99			
20	QPSK	50	50	20.88	20.89	20.97			
20	QPSK	100	0	20.98	20.99	20.98	22.5	0	
20	16QAM	1	0	21.20	20.97	21.14			
20	16QAM	1	49	21.19	21.22	21.03			
20	16QAM	1	99	21.16	21.16	21.09	22	0.5	
20	16QAM	50	0	20.50	20.56	20.60			
20	16QAM	50	24	20.64	20.54	20.69			
20	16QAM	50	50	20.56	20.51	20.61	22	0.5	
20	16QAM	100	0	20.57	20.52	20.55			
20	64QAM	1	0	20.56	20.51	20.61			
20	64QAM	1	49	20.57	20.52	20.55	22	0.5	
20	64QAM	1	99	20.54	20.54	20.69			
20	64QAM	50	0	19.55	19.56	19.46			
20	64QAM	50	24	19.59	19.81	19.95	21	1.5	
20	64QAM	50	50	19.54	19.45	19.53			
20	64QAM	100	0	19.59	19.51	19.64			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.91	20.92	21.05	22.5	0	
15	QPSK	1	37	20.88	20.92	20.99			
15	QPSK	1	74	20.87	20.87	20.98			
15	QPSK	36	0	20.95	20.96	21.06	22.5	0	
15	QPSK	36	20	20.94	20.97	21.08			
15	QPSK	36	39	20.91	20.91	21.06			
15	QPSK	75	0	20.93	20.93	21.06	22.5	0	
15	16QAM	1	0	21.23	21.05	21.02			
15	16QAM	1	37	21.21	21.21	21.02			
15	16QAM	1	74	21.17	21.17	21.08	22	0.5	
15	16QAM	36	0	20.56	20.57	20.52			
15	16QAM	36	20	20.54	20.54	20.50			
15	16QAM	36	39	20.52	20.53	20.54	22	0.5	
15	16QAM	75	0	20.48	20.55	20.63			
15	64QAM	1	0	20.52	20.53	20.61			
15	64QAM	1	37	20.50	20.55	20.58	22	0.5	
15	64QAM	1	74	20.64	20.52	20.68			
15	64QAM	36	0	19.53	19.51	19.62			
15	64QAM	36	20	19.53	19.53	19.62	21	1.5	
15	64QAM	36	39	19.51	19.51	19.59			
15	64QAM	75	0	19.48	19.54	19.63			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.89	20.93	21.02	22.5	0	
10	QPSK	1	25	20.90	20.88	21.00			
10	QPSK	1	49	20.86	20.87	20.98			
10	QPSK	25	0	20.91	20.93	21.05	22.5	0	
10	QPSK	25	12	20.97	20.95	21.09			
10	QPSK	25	25	20.91	20.93	21.07			
10	QPSK	50	0	20.91	20.94	21.05	22.5	0	
10	16QAM	1	0	21.19	21.06	21.00			
10	16QAM	1	25	21.23	21.21	21.08			
10	16QAM	1	49	21.17	21.17	21.02	22	0.5	
10	16QAM	25	0	20.57	20.55	20.67			
10	16QAM	25	12	20.61	20.60	20.68			
10	16QAM	25	25	20.55	20.57	20.66	22	0.5	
10	16QAM	50	0	20.57	20.55	20.67			
10	64QAM	1	0	20.61	20.60	20.68			
10	64QAM	1	25	20.61	20.60	20.68	22	0.5	
10	64QAM	1	49	20.55	20.57	20.66			
10	64QAM	25	0	19.51	19.50	19.66			
10	64QAM	25	12	19.54	19.57	19.63	21	1.5	
10	64QAM	25	25	19.51	19.53	19.62			
10	64QAM	50	0	19.49	19.53	19.62			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.88	20.92	20.99	22.5	0	
5	QPSK	1	12	20.87	20.87	20.96			
5	QPSK	1	24	20.95	20.96	21.06			
5	QPSK	12	0	20.94	20.96	21.08	22.5	0	
5	QPSK	12	7	20.91	20.91	21.06			
5	QPSK	12	13	20.93	20.93	21.06			
5	QPSK	25	0	20.86	20.87	20.98	22.5	0	
5	16QAM	1	0	20.91	20.93	21.05			
5	16QAM	1	12	20.97	20.95	21.09			
5	16QAM	1	24	20.91	20.93	21.07	22	0.5	
5	16QAM	12	0	20.57	20.55	20.68			
5	16QAM	12	7	20.67	20.60	20.68			
5	16QAM	12	13	20.57	20.60	20.68	22	0.5	
5	16QAM	25	0	20.67	20.61	20.67			
5	64QAM	1	0	20.52	20.53	20.61			
5	64QAM	1	12	20.50	20.55	20.58	22	0.5	
5	64QAM	1	24	20.64	20.52	20.68			
5	64QAM	12	0	19.57	19.50	19.61			
5	64QAM	12	7	19.56	19.49	19.53	21	1.5	
5	64QAM	12	13	19.58	19.87	19.55			
5	64QAM	25	0	19.61	19.57	19.62			

Band 66									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	18.48	18.60	18.36	19.5	0	
20	QPSK	1	49	18.45	18.37	18.33			
20	QPSK	1	99	18.36	18.28	18.22			
20	QPSK	50	0	18.49	18.53	18.34	19.5	0	
20	QPSK	50	24	18.52	18.41	18.39			
20	QPSK	50	50	18.46	18.33	18.27			
20	QPSK	100	0	18.39	18.41	18.35	19.5	0	
20	16QAM	1	0	18.46	18.52	18.40			
20	16QAM	1	49	18.44	18.44	18.26			
20	16QAM	1	99	18.34	18.28	18.19	19.5	0	
20	16QAM	50	0	18.36	18.36	18.20			
20	16QAM	50	24	18.40	18.31	18.26			
20	16QAM	50	50	18.33	18.18	18.11	19.5	0	
20	16QAM	100	0	18.37	18.29	18.18			
20	64QAM	1	0	18.54	18.59	18.43			
20	64QAM	1	49	18.53	18.49	18.36	19.5	0	
20	64QAM	1	99	18.45	18.35	18.28			
20	64QAM	50	0	18.32	18.33	18.18			
20	64QAM	50	24	18.42	18.26	18.23	19.5	0	
20	64QAM	50	50	18.27	18.21	18.08			
20	64QAM	100	0	18.36	18.26	18.20			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	18.45	18.46	18.40	19.5	0	
15	QPSK	1	37	18.39	18.37	18.28			
15	QPSK	1	74	18.37	18.37	18.24			
15	QPSK	36	0	18.49	18.44	18.36	19.5	0	
15	QPSK	36	20	18.57	18.42	18.34			
15	QPSK	36	39	18.48	18.33	18.22			
15	QPSK	75	0	18.52	18.41	18.32	19.5	0	
15	16QAM	1	0	18.43	18.50	18.41			
15	16QAM	1	37	18.39	18.37	18.16			
15	16QAM	1	74	18.38	18.30	18.16	19.5	0	
15	16QAM	36	0	18.37	18.35	18.23			
15	16QAM	36	20	18.45	18.33	18.20			
15	16QAM	36	39	18.35	18.22	18.08	19.5	0	
15	16QAM	75	0	18.42	18.24	18.16			
15	64QAM	1	0	18.55	18.56	18.50			
15	64QAM	1	37	18.46	18.47	18.35	19.5	0	
15	64QAM	1	74	18.42	18.41	18.25			
15	64QAM	36	0	18.35	18.34	18.22			
15	64QAM	36	20	18.44	18.31	18.19	19.5	0	
15	64QAM	36	39	18.37	18.22	18.07			
15	64QAM	75	0	18.41	18.31	18.15			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	18.46	18.43	18.35	19.5	0	
10	QPSK	1	25	18.43	18.40	18.38			
10	QPSK	1	49	18.34	18.29	18.29			
10	QPSK	25	0	18.49	18.45	18.36	19.5	0	
10	QPSK	25	12	18.46	18.41	18.34			
10	QPSK	25	25	18.41	18.33	18.31			
10	QPSK	50	0	18.45	18.41	18.33	19.5	0	
10	16QAM	1	0	18.45	18.46	18.25			
10	16QAM	1	25	18.41	18.37	18.26			
10	16QAM	1	49	18.34	18.22	18.14	19.5	0	
10	16QAM	25	0	18.35	18.33	18.19			
10	16QAM	25	12	18.34	18.30	18.18			
10	16QAM	25	25	18.26	18.20	18.18	19.5	0	
10	16QAM	50	0	18.32	18.26	18.12			
10	64QAM	1	0	18.52	18.52	18.36			
10	64QAM	1	25	18.50	18.48	18.37	19.5	0	
10	64QAM	1	49	18.38	18.35	18.26			
10	64QAM	25	0	18.35	18.31	18.17			
10	64QAM	25	12	18.33	18.27	18.13	19.5	0	
10	64QAM	25	25	18.25	18.20	18.15			
10	64QAM	50	0	18.32	18.24	18.18			
Channel				131987	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	18.34	18.29	18.24	19.5	0	
5	QPSK	1	12	18.49	18.45	18.36			
5	QPSK	1	24	18.46	18.41	18.34			
5	QPSK	12	0	18.41	18.33	18.33	19.5	0	
5	QPSK	12	7	18.45	18.41	18.31			
5	QPSK	12	13	18.46	18.41	18.35			
5	QPSK	25	0	18.43	18.40	18.29	19.5	0	
5	16QAM	1	0	18.34	18.29	18.24			
5	16QAM	1	12	18.49	18.45	18.36			
5	16QAM	1	24	18.38	18.30	18.16	19.5	0	
5	16QAM	12	0	18.37	18.35	18.23			
5	16QAM	12	7	18.45	18.33	18.28			
5	16QAM	12	13	18.35	18.22	18.08	19.5	0	
5	16QAM	25	0	18.42	18.24	18.16			
5	64QAM	1	0	18.55	18.56	18.50			
5	64QAM	1	12	18.45	18.35	18.28	19.5	0	
5	64QAM	1	24	18.32	18.33	18.18			
5	64QAM	12	0	18.42	18.26	18.23			
5	64QAM	12	7	18.27	18.21	18.08	19.5	0	
5	64QAM	12	13	18.36	18.26	18.20			
5	64QAM	25	0	18.35	18.22	18.08			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	18.38	18.30	18.16	19.5	0	
3	QPSK	1	8	18.37	18.35	18.23			
3	QPSK	1	14	18.45	18.33	18.20			
3	QPSK	8	0	18.36	18.32	18.18	19.5	0	
3	QPSK	8	4	18.42	18.24	18.16			
3	QPSK	8	7	18.55	18.56	18.50			
3	QPSK	15	0	18.45	18.47	18.29	19.5	0	
3	16QAM	1	0	18.42	18.37	18.25			
3	16QAM	1	8	18.35	18.34	18.22			
3	16QAM	1	14	18.45	18.33	18.20	19.5	0	
3	16QAM	8	0	18.35	18.22	18.08			
3	16QAM	8	4	18.42	18.24	18.16			
3	16QAM	8	7	18.55	18.56	18.50	19.5	0	
3	16QAM	15	0	18.45	18.35	18.28			
3	64QAM	1	0	18.32	18.33	18.18			
3	64QAM	1	14	18.45	18.35	18.26	19.5	0	
3	64QAM	8	0	18.32	18.33	18.18			
3	64QAM	8	4	18.42	18.26	18.23			
3	64QAM	8	7	18.27	18.21	18.08	19.5	0	
3	64QAM	15	0	18.36	18.26	18.20			
3	64QAM	25	0	18.35	18.22	18.05			
Channel				131979	132322	132655	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	18.34	18.30	18.14	19.5	0	
1.4	QPSK	1	3	18.26	18.20	18.18			
1.4	QPSK	1	5	18.32	18.26	18.12			
1.4	QPSK	3	0	18.52	18.52	18.36	19.5	0	
1.4	QPSK	3	1	18.50	18.48	18.37			
1.4	QPSK	3	3	18.38	18.35	18.28			
1.4	QPSK	6	0	18.35	18.31	18.17	19.5	0	
1.4	16QAM	1	0	18.33	18.27	18.13			
1.4	16QAM	1	3	18.26	18.20	18.18			
1.4	16QAM	1	5	18.32	18.24	18.10	19.5	0	
1.4	16QAM	3	0	18.42	18.24	18.16			
1.4	16QAM	3	1	18.55	18.56	18.50			
1.4	16QAM	3	3	18.45	18.35	18.28	19.5	0	
1.4	16QAM	6	0	18.32	18.33	18.18			
1.4	16QAM	6	0	18.55	18.56	18.50			
1.4	64QAM	1	3	18.45	18.35	18.28	19.5	0	
1.4	64QAM	1	5	18.30	18.33	18.13			
1.4	64QAM	3	0	18.42	18.26	18.23			
1.4	64QAM	3	1	18.42	18.37	18.25	19.5	0	
1.4	64QAM	3	3	18.35	18.34	18.22			
1.4	64QAM	6	0	18.45	18.33	18.20			

Full Power Mode 2CA DL

CA List	PCC							SCC				Power	
	LTE	BW	UL	Channel	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
	Band	(MHz)	Freq.			RB	RB	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
			(MHz)				Offset			(MHz)		(dBm)	(dBm)
CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	22.81	22.91
	Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	22.76	22.86
CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	22.72	22.91
	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	2132.5	2175	22.75	22.88
CA_7B	Band 7	15M	2535	21100	QPSK	1	0	Band 7	5M	2664.3	3193	22.71	22.76
CA_7A-7A	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	22.73	22.88
CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	2599.8	38048	22.59	22.70
	Band 38	20M	2585.1	37901	QPSK	1	0	Band 38	20M	2604.9	38099	22.76	22.96
	Band 38	20M	2610	38150	QPSK	1	0	Band 38	20M	2590.2	37952	22.71	22.89

3CA DL

<Inter-Band for Three Carrier Combination> (two bands)

CA List	PCC							SCC1				SCC2				Power	
	LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
	Band	(MHz)	Freq.	Channel		RB	RB Offset	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power (dBm)	Tx. Power (dBm)
			(MHz)							(MHz)							
CA_4A-7C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	22.76	22.91
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 4	20M	2132.5	2175	22.72	22.88
CA_7A-66A-66A	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	2155	66866	Band 66	5M	2197.5	67311	22.59	22.76
	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 7	20M	2674.8	3298	22.71	22.9

Reduced Power Mode for Sensor on/Hotspot on 2CA DL

CA List	PCC							SCC				Power	
	LTE	BW	UL	Channel	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
	Band	(MHz)	Freq			RB	RB	Band	(MHz)	Freq	Channel	Tx. Power	Tx. Power
			(MHz)				Offset			(MHz)		(dBm)	(dBm)
CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	13.63	13.90
	Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	21.45	21.64
CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	13.72	13.90
	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	2132.5	2175	15.51	15.61
CA_7B	Band 7	15M	2535	21100	QPSK	1	0	Band 7	5M	2664.3	3193	15.23	15.38
CA_7A-7A	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	15.43	15.61
CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	2599.8	38048	19.06	19.23
	Band 38	20M	2585.1	37901	QPSK	1	0	Band 38	20M	2604.9	38099	19.10	19.23
	Band 38	20M	2610	38150	QPSK	1	0	Band 38	20M	2590.2	37952	19.03	19.22

3CA DL

<Inter-Band for Three Carrier Combination> (two bands)

CA List	PCC								SCC1				SCC2				Power	
	LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA	
	Band	(MHz)	Freq.	Channel		RB	RB	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power	
			(MHz)			Offset	(dBm)			(dBm)								
CA_4A-7C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	13.69	13.9	
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 4	20M	2132.5	2175	15.41	15.61	
CA_7A-66A-66A	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	15.34	15.61	
	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 7	20M	2674.8	3298	13.63	14	

Reduced Power Mode for Handheld on 2CA DL

CA List	PCC							SCC				Power				
	LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA			
	Band	(MHz)	Freq.			Channel	RB	RB	Band	(MHz)	Freq.			Channel	Tx. Power	Tx. Power
			(MHz)					Offset			(MHz)				(dBm)	(dBm)
CA_4A-5A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	18.63	18.80			
	Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	22.56	22.86			
CA_4A-7A	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	18.59	18.80			
	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	2132.5	2175	21.71	21.84			
CA_7B	Band 7	15M	2535	21100	QPSK	1	0	Band 7	5M	2664.3	3193	21.35	21.52			
CA_7A-7A	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	2687.5	3425	21.76	21.84			
CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	2599.8	38048	22.59	22.70			
	Band 38	20M	2585.1	37901	QPSK	1	0	Band 38	20M	2604.9	38099	22.76	22.96			
	Band 38	20M	2610	38150	QPSK	1	0	Band 38	20M	2590.2	37952	22.71	22.89			

3CA DL

<Inter-Band for Three Carrier Combination> (two bands)

CA List	PCC								SCC1				SCC2				Power	
	LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA	
	Band	(MHz)	Freq.	Channel		RB	RB	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power	
			(MHz)				Offset			(dBm)	(dBm)							
CA_4A-7C	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2674.8	3298	18.62	18.80	
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	2674.8	3298	Band 4	20M	2132.5	2175	21.58	21.84	
CA_7A-66A-66A	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	21.62	21.84	
	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 7	20M	2674.8	3298	18.39	18.6	



2.4GHz WLAN		Full				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	18.13	20.00	100
		6	2437	18.43	20.00	
		11	2462	18.34	20.00	
	802.11g 6Mbps	1	2412	17.84	19.50	98.58
		6	2437	18.40	20.00	
		11	2462	16.01	17.50	
	802.11n-HT20 MCS0	1	2412	17.91	19.00	98.52
		6	2437	17.50	19.00	
		11	2462	16.22	18.00	

5GHz WLAN		Full				
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	17.96	18.50	98.28
		40	5200	19.40	19.50	
		44	5220	19.26	19.50	
		48	5240	18.93	19.50	
	802.11n-HT20 MCS0	36	5180	17.02	18.50	98.16
		40	5200	19.50	19.50	
		44	5220	19.49	19.50	
		48	5240	19.20	19.50	
	802.11n-HT40 MCS0	38	5190	12.96	14.00	96.03
		46	5230	19.33	19.40	
		36	5180	16.19	17.00	
		40	5200	16.20	17.00	
	802.11ac-VHT20 MCS0	44	5220	15.94	17.00	98.01
		48	5240	15.90	17.00	
		38	5190	16.06	17.00	
		46	5230	15.93	17.00	
	802.11ac-VHT40 MCS0	42	5210	12.17	13.50	91
		42	5210	12.17	13.50	

5GHz WLAN		Full				
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	19.26	19.50	98.28
		56	5280	19.30	19.50	
		60	5300	19.30	19.50	
		64	5320	17.75	19.00	
	802.11n-HT20 MCS0	52	5260	19.15	19.50	98.16
		56	5280	19.23	19.50	
		60	5300	19.26	19.50	
		64	5320	17.62	19.00	
	802.11n-HT40 MCS0	54	5270	19.23	19.40	96.03
		62	5310	15.62	17.00	
		52	5260	15.73	17.00	
		56	5280	15.83	17.00	
	802.11ac-VHT20 MCS0	60	5300	15.81	17.00	98.01
		64	5320	15.87	17.00	
		54	5270	15.72	17.00	
		62	5310	15.77	17.00	
	802.11ac-VHT80 MCS0	58	5290	14.47	16.00	91
		58	5290	14.47	16.00	

5GHz WLAN		Full				
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	19.83	19.50	98.28
		116	5580	18.70	19.50	
		124	5620	18.68	19.50	
		132	5660	19.30	19.50	
		140	5700	18.35	19.50	
		144	5720	19.33	19.50	
	802.11n-HT20 MCS0	100	5500	18.72	19.50	98.16
		116	5580	18.62	19.50	
		124	5620	18.71	19.50	
		132	5660	19.33	19.50	
		140	5700	18.40	19.50	
		144	5720	19.35	19.50	
	802.11n-HT40 MCS0	102	5510	16.34	18.00	96.03
		110	5550	18.44	19.00	
		126	5630	18.93	19.00	
		134	5670	17.72	18.50	
		142	5710	19.38	19.40	
		100	5500	15.99	17.00	
	802.11ac-VHT20 MCS0	116	5580	15.64	17.00	98.01
		124	5620	16.24	17.00	
		132	5660	16.03	17.00	
		140	5700	16.83	17.00	
		144	5720	16.98	17.00	
		102	5510	15.88	17.00	
	802.11ac-VHT40 MCS0	110	5550	16.06	17.00	96.5
		126	5630	16.25	17.00	
		134	5670	16.27	17.00	
		142	5710	16.92	17.00	
		106	5530	12.94	14.00	
		122	5610	15.91	17.00	
	802.11ac-VHT80 MCS0	138	5690	16.46	17.00	91
		138	5690	16.46	17.00	

5GHz WLAN		Full				
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	19.74	20.50	98.28
		157	5785	19.41	20.50	
		165	5825	19.19	20.50	
		149	5745	19.66	20.50	
	802.11n-HT20 MCS0	157	5785	19.30	20.50	98.16
		165	5825	19.12	20.50	
		151	5755	19.70	20.00	
		159	5795	19.30	20.00	
	802.11n-HT40 MCS0	149	5745	16.52	17.00	98.01
		157	5785	16.61	17.00	
		165	5825	16.36	17.00	
		151	5755	16.61	17.00	
	802.11ac-VHT40 MCS0	159	5795	16.41	17.00	96.5
		155	5775	16.46	17.00	
		155	5775	16.46	17.00	
		155	5775	16.46	17.00	

BR / EDR

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	9.40	7.67	7.67
	CH 39	2441	10.54	7.43	8.27
	CH 16	2480	9.62	7.96	7.83
Tune-up Limit			11		

LE 4.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GPSK
LE	CH 00	2402	4.08
	CH 19	2440	5.19
	CH 39	2480	5.63
Tune-up Limit			7

LE 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm)
LE	CH 00	2402	3.86
	CH 19	2440	5.11
	CH 39	2480	5.66
Tune-up Limit			7

2.4GHz WLAN		Reduced Power for Simultaneous				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	14.17	15.50	100
		6	2437	14.29	15.50	
		11	2462	14.23	15.50	
	802.11g 6Mbps	1	2412	14.23	15.50	98.58
		6	2437	15.50	15.50	
		11	2462	15.50	15.50	
	802.11n-HT20 MCS0	1	2412	Not Inquired	15.50	98.52
		6	2437	15.50	15.50	
		11	2462	15.50	15.50	

5GHz WLAN		Reduced Power for Simultaneous&Hotspot				
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	7.15	7.50	98.28
		40	5200	7.23	7.50	
		44	5220	7.19	7.50	
		48	5240	7.17	7.50	
	802.11n-HT20 MCS0	36	5180	7.50	7.50	98.16
		40	5200	7.50	7.50	
		44	5220	7.50	7.50	
		48	5240	7.50	7.50	
	802.11n-HT40 MCS0	38	5190	7.00	7.00	96.03
		46	5230	7.00	7.00	
		36	5180	Not Inquired	7.50	
		40	5200	7.50	7.50	
	802.11ac-VHT20 MCS0	44	5220	7.50	7.50	98.01
		48	5240	7.50	7.50	
		38	5190	7.00	7.00	
		46	5230	7.00	7.00	
	802.11ac-VHT80 MCS0	42	5210	7.00	7.00	91
		42	5210	7.00	7.00	

5GHz WLAN		Reduced Power for Simultaneous				
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	6.30	7.50	98.28
		56	5280	6.16	7.50	
		60	5300	6.31	7.50	
		64	5320	6.27	7.50	
	802.11n-HT20 MCS0	52	5260		7.50	98.16
		56	5280		7.50	
		60	5300		7.50	
		64	5320		7.50	
	802.11n-HT40 MCS0	54	5270		7.00	96.03
		62	5310		7.00	
		52	5260	Not Inquired	7.50	
		56	5280		7.50	
	60	5300	7.50			
	64	5320	7.50			
	802.11ac-VHT20 MCS0	54	5270		7.00	98.01
		62	5310		7.00	
		58	5290		7.00	
52		5260		7.00		



Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.



Head

Mode	Service/ Modulation	Frequency (y (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured	Average Value of Time Sweep (W/kg)																											
								1g SAR (W/kg)	Auto- Tune	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138			
WCDMA II	RMC12.2K	1880	9400	N/A	N/A	Left Cheek	0 mm	0.085	0.118	0.019	0.046	0.019	0.040	0.059	0.033	0.041	0.054	0.034	0.053	0.068	0.053	0.028	0.070	0.064	0.033	0.082	0.081	0.010	0.074	0.086	0.011	0.078	0.094			
Mode	Service/ Modulation	Frequency (y (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured	Average Value of Time Sweep (W/kg)																											
WCDMA IV	RMC12.2K	1732.6						1413	N/A	N/A	Right Cheek	0 mm	0.131	0.175	0.015	0.052	0.013	0.080	0.086	0.044	0.019	0.076	0.040	0.028	0.031	0.070	0.007	0.037	0.060	0.013	0.019	0.033	0.002	0.015	0.021	0.004
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured	Average Value of Time Sweep (W/kg)																											
WCDMA V	RMC12.2K	826.4						4132	N/A	N/A	Right Cheek	0 mm	0.388	0.458	0.135	0.361	0.258	0.364	0.312	0.324	0.042	0.297	0.138	0.233	0.113	0.173	0.020	0.185	0.073	0.111	0.084	0.114	0.150	0.008	0.084	0.031
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured	Average Value of Time Sweep (W/kg)																											
LTE Band 2	QPSK	1880						18900	1	0	Left Cheek	0 mm	0.095	0.129	0.041	0.006	0.021	0.058	0.014	0.015	0.070	0.020	0.026	0.087	0.033	0.043	0.098	0.016	0.040	0.108	0.022	0.059	0.100	0.007	0.047	0.098
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured	Average Value of Time Sweep (W/kg)																											
LTE Band 5	QPSK	836.5						20525	1	0	Right Cheek	0 mm	0.361	0.428	0.140	0.023	0.151	0.207	0.152	0.190	0.060	0.005	0.101	0.092	0.046	0.074	0.031	0.002	0.054	0.065	0.016	0.051	0.012	0.001	0.021	0.031
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured	Average Value of Time Sweep (W/kg)																											
LTE Band 66	QPSK	1745						132322	1	0	Right Cheek	0 mm	0.171	0.042	0.010	0.013	0.072	0.032	0.038	0.063	0.033	0.022	0.036	0.040	0.062	0.037	0.016	0.040	0.022	0.018	0.053	0.015	0.003	0.049	0.009	0.006

Body

Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																								
									Auto-Tune	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	126	132	138
WCDMA II	RMC12.2K	1852.4	9262	N/A	N/A	Back	5mm	1.230	2.130	0.387	0.782	0.342	0.638	1.098	0.603	0.616	1.074	0.651	0.828	1.273	1.023	0.358	1.285	1.049	0.480	1.282	1.256	0.155	1.126	1.037	0.202	0.957	0.997
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																								
WCDMA IV	RMC12.2K	1752.6	1513	N/A	N/A	Back	5mm	1.050	1.470	0.644	0.891	0.279	1.217	1.281	0.776	0.609	1.190	0.705	0.692	0.651	1.084	0.286	0.773	0.987	0.409	0.437	0.730	0.112	0.342	0.497	0.178	0.213	0.319
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																								
WCDMA V	RMC12.2K	846.6	4233	N/A	N/A	Back	5mm	0.920	1.110	0.186	0.700	0.455	0.408	0.839	0.738	0.071	0.719	0.406	0.361	0.032	0.503	0.028	0.635	0.225	0.065	0.409	0.326	0.016	0.383	0.097	0.024	0.233	0.148
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																								
LTE Band 2	QPSK	1860	18700	1	0	Back	5mm	1.210	1.970	0.775	0.167	0.387	1.128	0.356	0.689	1.318	0.372	0.542	1.481	0.599	0.945	1.438	0.237	0.823	1.376	0.346	1.199	0.982	0.103	1.011	0.878	0.143	1.155
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																								
LTE Band 5	QPSK	836.5	20525	1	0	Back	5mm	1.01	1.540	0.721	0.119	0.779	1.104	0.410	1.105	0.416	0.038	0.732	0.600	0.116	0.606	0.230	0.023	0.435	0.400	0.047	0.434	0.101	0.010	0.194	0.192	0.016	0.213
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																								
LTE Band 66	QPSK	1770	132572	1	0	Back	5mm	1.190	1.192	0.821	0.210	0.269	1.189	0.596	0.729	1.139	0.680	0.455	0.692	0.868	1.058	0.754	0.413	0.744	0.477	0.470	0.933	0.329	0.145	0.161	0.232	0.181	0.498



Body-verified for SAR higher than 1.2W/Kg																																						
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																													
									Auto-Tune	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19									
WCDMA II	RMC12.2K	1852.4	9262	N/A	N/A	Back	5mm	1.23	1.970	0.387	0.484	0.607	0.707	0.755	0.761	0.782	0.791	0.806	0.156	0.211	0.281	0.342	0.369	0.370	0.389	0.390	0.397	0.638	0.762									
									20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40									
									0.901	1.010	1.063	1.069	1.098	1.100	1.125	0.329	0.411	0.514	0.603	0.638	0.644	0.663	0.669	0.689	0.616	0.905	1.186	1.202	1.182									
									41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61									
									1.123	1.074	1.048	0.983	0.342	0.550	0.725	0.651	0.577	0.564	0.526	0.504	0.452	0.828	1.108	1.352	1.365	1.319	1.314	1.273	1.251									
									62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82									
									1.208	0.547	0.816	1.062	1.023	0.941	0.934	0.885	0.853	0.806	0.358	0.591	1.025	1.339	1.343	1.329	1.285	1.244	1.138	0.222	0.408									
									83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103									
									0.833	1.049	0.932	0.894	0.802	0.753	0.614	0.480	0.737	1.101	1.317	1.321	1.315	1.282	1.257	1.209	0.318	0.547	0.988	1.256	1.203									
									104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124									
									1.185	1.114	1.070	0.960	0.155	0.264	0.534	0.957	1.103	1.119	1.126	1.110	1.029	1.031	0.180	0.443	1.037	1.113	1.078	0.949	0.863									
									125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143											
									0.642	0.202	0.334	0.592	0.870	0.941	0.948	0.957	0.952	0.923	0.136	0.240	0.524	0.997	1.119	1.118	1.080	1.035	0.915											
									Pass/Fail/Noqul																													
									Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																				
									WCDMA IV	RMC12.2K	1752.6	1513	N/A	N/A	Back	5mm	1.09	1.700	0.553	0.644	0.742	0.823	0.860	0.864	0.882	0.891	0.911	0.152	0.187	0.230	0.262	0.279	0.280	0.285	0.288	0.292	1.169	1.217
																		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1.256	1.277	1.282	1.275	1.278	1.281	1.280	0.509	0.588										0.676	0.744	0.776	0.784	0.797	0.799	0.821	0.434	0.609	0.853	1.067	1.143									
41	42	43	44	45	46	47	48	49										50	51	52	53	54	55	56	57	58	59	60	61									
1.149	1.177	1.190	1.196	0.227	0.408	0.717	0.785	0.705										0.684	0.630	0.603	0.520	0.651	0.692	0.701	0.679	0.666	0.662	0.655	0.651									
62	63	64	65	66	67	68	69	70										71	72	73	74	75	76	77	78	79	80	81	82									
0.636	0.422	0.601	0.851	1.035	1.084	1.087	1.097	1.094										1.086	0.204	0.286	0.422	0.596	0.683	0.711	0.754	0.773	0.847	1.05	0.181									
83	84	85	86	87	88	89	90	91										92	93	94	95	96	97	98	99	100	101	102	103									
0.384	0.797	0.987	1.010	1.014	0.995	0.848	0.365	0.409										0.439	0.444	0.442	0.443	0.439	0.437	0.439	0.194	0.285	0.440	0.641	0.710									
104	105	106	107	108	109	110	111	112										113	114	115	116	117	118	119	120	121	122	123	124									
0.754	0.801	0.818	0.872	0.080	0.112	0.168	0.246	0.290										0.303	0.329	0.342	0.391	0.400	0.066	0.132	0.314	0.497	0.549	0.685	0.750									
125	126	127	128	129	130	131	132	133										134	135	136	137	138	139	140	141	142	143											
0.844	0.154	0.178	0.201	0.211	0.212	0.213	0.212	0.213										0.215	0.075	0.108	0.169	0.264	0.319	0.332	0.366	0.381	0.430											
Pass/Fail/Noqul																																						
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)										Average Value of Time Sweep (W/kg)																				
WCDMA V	RMC12.2K	846.6	4233	N/A	N/A	Back	5mm	0.92										1.017	0.062	0.100	0.186	0.342	0.487	0.532	0.585	0.630	0.700	0.047	0.078	0.137	0.307	0.412	0.455	0.517	0.543	0.563	0.150	0.246
																		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
									0.408	0.657	0.764	0.793	0.827	0.841	0.839	0.133	0.205	0.351	0.586	0.702	0.738	0.783	0.802	0.826	0.019	0.032	0.071	0.202	0.351									
									41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61									
									0.432	0.575	0.609	0.719	0.543	0.026	0.049	0.096	0.321	0.406	0.549	0.645	0.732	0.038	0.036	0.361	0.484	0.518	0.557	0.564	0.515									
									62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82									
									0.032	0.031	0.057	0.127	0.315	0.435	0.503	0.561	0.584	0.563	0.010	0.017	0.028	0.015	0.119	0.245	0.348	0.409	0.635	0.008	0.014									
									83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103									
									0.031	0.091	0.169	0.225	0.337	0.408	0.664	0.012	0.025	0.065	0.192	0.293	0.337	0.387	0.407	0.409	0.010	0.023	0.056	0.166	0.265									
									104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124									
									0.326	0.383	0.409	0.449	0.040	0.007	0.016	0.045	0.082	0.108	0.161	0.193	0.383	0.004	0.006	0.014	0.039	0.073	0.097	0.152	0.189									
									125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143											
									0.434	0.003	0.008	0.024	0.080	0.135	0.161	0.196	0.211	0.233	0.003	0.007	0.020	0.069	0.119	0.148	0.191	0.209	0.258											
									Pass/Fail/Noqul																													
									Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																				
									LTE Band 2	QPSK	1860	18700	1	0	Back	5mm	1.21	1.970	0.444	0.552	0.674	0.775	0.818	0.828	0.847	0.853	0.866	0.167	0.221	0.290	0.350	0.373	0.376	0.387	0.394	0.403	0.745	0.878
																		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1.024	1.128	1.167	1.180	1.193	1.201	1.233	0.356	0.444										0.546	0.627	0.665	0.667	0.689	0.692	0.710	0.688	0.992	1.305	1.318	1.246									
41	42	43	44	45	46	47	48	49										50	51	52	53	54	55	56	57	58	59	60	61									
1.229	1.182	1.158	1.089	0.372	0.595	0.776	0.678	0.597										0.587	0.542	0.522	0.464	0.924	1.216	1.456	1.481	1.422	1.412	1.383	1.347									
62	63	64	65	66	67	68	69	70										71	72	73	74	75	76	77	78	79	80	81	82									
1.309	0.599	0.890	1.150	1.099	1.015	1.002	0.945	0.918										0.854	0.396	1.430	1.105	1.438	1.449	1.430	1.395	1.359	1.242	0.237	0.438									
83	84	85	86	87	88	89	90	91										92	93	94	95	96	97	98	99	100	101	102	103									
0.895	1.114	0.978	0.926	0.823	0.780	0.630	0.513	0.801										1.171	1.376	1.382	1.381	1.363	1.341	1.289	0.346	0.594	1.069	1.349	1.297									
104	105	106	107	108	109	110	111	112										113	114	115	116	117	118	119	120	121	122	123	124									
1.284	1.199	1.153	1.038	0.168	0.283	0.554	0.982	1.145										1.163	1.185	1.176	1.108	1.103	0.186	0.462	1.101	1.191	1.149	1.011	0.929									
125	126	127	128	129	130	131	132	133										134	135	136	137	138	139	140	141	142	143											
0.678	0.225	0.360	0.614	0.878	0.950	0.958	0.965	0.963										0.942	0.143	0.252	0.547	1.044	1.185	1.190	1.155	1.111	0.989											
Pass/Fail/Noqul																																						
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)										Average Value of Time Sweep (W/kg)																				
LTE Band 5	QPSK	886.5	20525	1	0	Back	5mm	1.01										1.420	0.104	0.166	0.297	0.552	0.721	0.779	0.879	0.921	1.048	0.073	0.119	0.220	0.438	0.587	0.648	0.734	0.779	0.894	0.325	0.488
																		20	21	22	23	24	25	26	27	28	29	30</										