

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)
	128	189	251			128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8		
Frequency (MHz)									
GSM 1 Tx slot	32.78	32.63	32.60	33.50	23.78	23.63	23.60	24.50	
GPRS 1 Tx slot	32.77	32.62	32.58	33.50	23.77	23.62	23.58	24.50	
GPRS 2 Tx slots	30.95	31.05	30.91	31.50	24.95	25.05	24.91	25.50	
GPRS 3 Tx slots	30.39	30.27	30.14	31.00	26.13	26.01	25.88	26.74	
GPRS 4 Tx slots	28.53	28.45	28.55	29.50	25.53	25.45	25.55	26.50	
EDGE 1 Tx slot	26.91	27.05	26.96	27.50	17.91	18.05	17.96	18.50	
EDGE 2 Tx slots	25.73	25.83	25.88	26.50	19.73	19.83	19.88	20.50	
EDGE 3 Tx slots	24.21	24.29	24.27	24.50	19.95	20.03	20.01	20.24	
EDGE 4 Tx slots	22.56	22.51	22.52	23.50	19.56	19.51	19.52	20.50	

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1852.2	1850	1868.8		1852.2	1850	1868.8	
Frequency (MHz)								
GSM 1 Tx slot	29.86	29.81	29.94	30.50	20.86	20.81	20.94	21.50
GPRS 1 Tx slot	29.85	29.79	29.93	30.50	20.85	20.79	20.93	21.50
GPRS 2 Tx slots	28.99	29.01	29.10	29.50	22.99	23.01	23.10	23.50
GPRS 3 Tx slots	27.58	27.61	27.71	28.00	23.32	23.35	23.45	23.74
GPRS 4 Tx slots	25.96	26.06	26.20	26.50	22.96	23.06	23.20	23.50
EDGE 1 Tx slot	26.75	26.82	26.93	27.50	17.75	17.82	17.93	18.50
EDGE 2 Tx slots	25.31	25.34	25.42	25.50	19.31	19.34	19.42	19.50
EDGE 3 Tx slots	24.14	24.23	24.31	24.50	19.88	19.97	20.05	20.24
EDGE 4 Tx slots	22.16	22.14	22.22	22.50	19.16	19.14	19.22	19.50

Band	TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
		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	RM 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	20.38	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	1870	1890	1910	24	0
20	QPSK	1	49	22.88	22.86	22.89		
20	QPSK	1	99	22.96	22.91	22.90	23	1
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	23	1
20	16QAM	1	0	22.34	22.33	22.33		
20	16QAM	1	49	22.27	22.30	22.29	22	2
20	16QAM	1	99	22.53	22.31	22.31		
20	16QAM	50	0	21.04	21.01	21.04	22	2
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	22	2
20	64QAM	1	49	21.17	21.22	21.16		
20	64QAM	1	99	21.23	21.25	21.13	21	3
20	64QAM	50	0	20.23	19.98	20.04		
20	64QAM	50	24	20.05	20.03	20.05	21	3
20	64QAM	50	50	20.08	20.00	20.01		
20	64QAM	100	0	20.10	20.00	20.03	Channel	
Frequency (MHz)								
15	QPSK	1	0	1875	1890	1915	24	0
15	QPSK	1	37	22.86	22.81	22.94		
15	QPSK	1	74	22.80	22.79	22.89	23	1
15	QPSK	35	0	21.82	21.85	21.90		
15	QPSK	35	20	21.95	21.90	21.90	23	1
15	QPSK	35	39	21.86	21.87	21.94		
15	QPSK	75	0	21.91	21.87	21.87	23	1
15	16QAM	1	0	22.29	22.26	22.29		
15	16QAM	1	37	22.32	22.28	22.34	22	2
15	16QAM	1	74	22.23	22.17	22.25		
15	16QAM	35	0	21.05	21.04	21.04	22	2
15	16QAM	35	20	21.09	21.05	21.06		
15	16QAM	35	39	21.04	21.05	21.10	22	2
15	16QAM	75	0	21.04	21.00	20.98		
15	64QAM	1	0	21.15	21.16	21.19	22	2
15	64QAM	1	37	21.14	21.18	21.24		
15	64QAM	1	74	21.11	21.11	21.13	21	3
15	64QAM	35	0	20.05	20.02	20.04		
15	64QAM	35	20	20.10	20.07	20.05	21	3
15	64QAM	35	39	20.05	20.03	20.08		
15	64QAM	75	0	20.04	20.04	20.00	Channel	
Frequency (MHz)								
10	QPSK	1	0	1855	1880	1905	24	0
10	QPSK	1	25	22.87	22.83	22.92		
10	QPSK	1	49	22.86	22.87	22.87	23	1
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	21.85	21.83	23	1
10	16QAM	1	0	22.35	22.36	22.25		
10	16QAM	1	25	22.30	22.29	22.32	22	2
10	16QAM	1	49	22.28	22.27	22.23		
10	16QAM	25	0	21.04	21.01	21.00	22	2
10	16QAM	25	12	21.02	21.02	21.09		
10	16QAM	25	25	20.98	21.02	21.05	22	2
10	16QAM	50	0	21.02	21.01	20.98		
10	64QAM	1	0	21.22	21.22	21.11	22	2
10	64QAM	1	13	21.23	21.12	21.17		
10	64QAM	1	49	21.16	21.16	21.12	21	3
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	1825	1890	1915	24	0
5	QPSK	1	12	22.86	22.80	22.87		
5	QPSK	1	24	22.82	22.80	22.86	23	1
5	QPSK	12	0	21.82	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	23	1
5	16QAM	1	0	22.19	22.18	22.23		
5	16QAM	1	12	22.24	22.19	22.21	22	2
5	16QAM	1	24	22.21	22.16	22.21		
5	16QAM	12	0	21.08	21.06	21.05	22	2
5	16QAM	12	7	21.07	21.02	21.03		
5	16QAM	12	13	21.06	21.05	21.08	22	2
5	16QAM	25	0	21.00	20.97	21.01		
5	64QAM	1	0	21.15	21.11	21.12	22	2
5	64QAM	1	12	21.20	21.12	21.14		
5	64QAM	1	24	21.09	21.06	21.07	21	3
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	1851.5	1880	1908.5	24	0
3	QPSK	1	8	22.83	22.78	22.85		
3	QPSK	1	14	22.81	22.76	22.85	23	1
3	QPSK	8	0	21.80	21.85	21.86		
3	QPSK	8	4	21.84	21.89	21.91	23	1
3	QPSK	8	10	21.85	21.89	21.89		
3	QPSK	15	0	21.86	21.86	21.88	23	1
3	16QAM	1	0	22.23	22.23	22.19		
3	16QAM	1	8	22.31	22.25	22.27	22	2
3	16QAM	1	14	22.21	22.23	22.19		
3	16QAM	8	0	21.08	21.05	21.07	22	2
3	16QAM	8	4	21.14	21.13	21.13		
3	16QAM	8	7	21.10	21.09	21.08	22	2
3	16QAM	15	0	21.03	21.00	21.02		
3	64QAM	1	0	21.11	21.08	21.13	22	2
3	64QAM	1	8	21.15	21.12	21.14		
3	64QAM	1	14	21.10	21.09	21.08	21	3
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	1850.7	1890	1903.3	24	0
1.4	QPSK	1	3	22.73	22.72	22.72		
1.4	QPSK	1	5	22.66	22.71	22.73	23	1
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	23	1
1.4	16QAM	1	0	22.06	22.11	22.08		
1.4	16QAM	1	3	22.00	22.06	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	23	1
1.4	16QAM	3	1	21.88	21.95	21.95		
1.4	16QAM	3	3	21.83	21.88	21.92	22	2
1.4	16QAM	6	0	20.88	20.92	21.00		
1.4	64QAM	1	0	20.93	21.07	20.97	22	2
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	21	3
1.4	64QAM	3	3	20.83	20.87	20.92		
1.4	64QAM	6	0	19.81	19.86	19.90	Channel	
Frequency (MHz)								
1.4	QPSK	1	0	1760	1775	1790	24	0
1.4	QPSK	1	49	22.80	22.77	22.82		
1.4	QPSK	1	99	22.72	22.65	22.66	23	1
1.4	QPSK	50	0	21.83	21.86	21.78		
1.4	QPSK	50	24	21.81	21.81	21.71	23	1
1.4	QPSK	50	50	21.82	21.75	21.82		
1.4	QPSK	100	0	21.75	21.79	21.71	23	1
1.4	16QAM	1	0	22.09	22.21	22.19		
1.4	16QAM	1	49	22.19	22.21	22.24	22	2
1.4	16QAM	1	99	22.15	21.99	22.05		
1.4	16QAM	50	0	20.93	20.98	20.89	22	2
1.4	16QAM	50	24	20.92	20.93	20.86		
1.4	16QAM	50	50	20.95	20.87	20.93	22	2
1.4	16QAM	100	0	20.89	20.93	20.83		
1.4	64QAM	1	0	21.03	21.11	21.17	22	2
1.4	64QAM	1	49	21.08	21.11	21.13		
1.4	64QAM	1	99	21.10	21.00	20.96	21	3
1.4	64QAM	50	0	19.92	20.00	19.98		
1.4	64QAM	50	24	19.91	19.95	19		



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			
20	QPSK	1	49	22.73	22.73	22.77	24	0	
20	QPSK	1	99	22.80	22.78	22.83			
20	QPSK	50	0	21.78	21.84	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	22.06	22.19	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	22	2	
20	16QAM	50	50	21.03	20.95	21.00			
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	22	2	
20	64QAM	1	99	21.03	21.03	21.09			
20	64QAM	50	0	19.81	19.93	19.90			
20	64QAM	50	24	19.85	19.85	19.92	21	3	
20	64QAM	50	50	20.01	19.94	19.93			
20	64QAM	100	0	19.94	19.94	19.96			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.70	22.76	22.82			
15	QPSK	1	37	22.70	22.72	22.75	24	0	
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	21	3	
15	64QAM	36	39	19.84	19.91	19.95			
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			
10	QPSK	1	25	22.68	22.70	22.73	24	0	
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	21	3	
10	64QAM	25	25	19.82	19.90	19.91			
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	22.84	22.69	22.73			
5	QPSK	1	12	22.85	22.69	22.75	24	0	
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	21	3	
5	64QAM	12	13	19.78	19.89	19.91			
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	133322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.88	22.88	22.88			
20	QPSK	1	49	22.82	22.89	22.86	24	0	
20	QPSK	1	99	22.82	22.89	22.80			
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	22	2	
20	16QAM	50	50	21.11	21.06	20.98			
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	22	2	
20	64QAM	1	99	21.19	21.09	21.03			
20	64QAM	50	0	20.20	20.14	20.07			
20	64QAM	50	24	20.18	20.10	20.04	21	3	
20	64QAM	50	50	20.09	20.03	19.95			
20	64QAM	100	0	20.19	20.10	20.04			
Channel				132047	133322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.86	22.79	22.71			
15	QPSK	1	37	22.77	22.68	22.60	24	0	
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	22.20	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	22	2	
15	16QAM	36	39	21.14	21.04	21.00			
15	16QAM	75	0	21.13	21.12	20.97			
15	64QAM	1	0	21.38	21.34	21.19			
15	64QAM	1	37	21.28	21.19	21.07	22	2	
15	64QAM	1	74	21.20	21.07	21.02			
15	64QAM	36	0	20.18	20.13	20.07			
15	64QAM	36	20	20.20	20.12	20.04	21	3	
15	64QAM	36	39	20.12	20.03	19.97			
15	64QAM	75	0						



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		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.70	22.95	22.89	24	0
20	QPSK	1	49	22.82	22.78	22.85		
20	QPSK	1	99	22.83	22.80	22.87		
20	QPSK	50	0	22.41	22.42	22.40	23	1
20	QPSK	50	24	22.41	22.37	22.38		
20	QPSK	50	50	22.38	22.33	22.39		
20	QPSK	100	0	22.39	22.41	22.39	23	1
20	16QAM	1	0	22.52	22.50	22.56		
20	16QAM	1	49	22.47	22.41	22.52		
20	16QAM	1	99	22.44	22.40	22.51	22	2
20	16QAM	50	0	21.53	21.50	21.51		
20	16QAM	50	24	21.54	21.50	21.52		
20	16QAM	50	50	21.52	21.47	21.53	22	2
20	16QAM	100	0	21.51	21.46	21.53		
20	84QAM	1	0	21.24	21.22	21.31		
20	84QAM	1	49	21.18	21.17	21.27	22	2
20	84QAM	1	99	21.22	21.19	21.21		
20	84QAM	50	0	20.47	20.42	20.45		
20	84QAM	50	24	20.45	20.43	20.43	21	3
20	84QAM	50	50	20.46	20.39	20.44		
20	84QAM	100	0	20.55	20.51	20.59		
Channel				37925	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2677.5	2695	2612.5		
15	QPSK	1	0	22.87	22.88	22.89	24	0
15	QPSK	1	37	22.90	22.82	22.85		
15	QPSK	1	74	22.86	22.87	22.95		
15	QPSK	36	0	22.43	22.34	22.40	23	1
15	QPSK	36	20	22.44	22.38	22.39		
15	QPSK	36	39	22.38	22.36	22.40		
15	QPSK	75	0	22.42	22.38	22.41	23	1
15	16QAM	1	0	22.51	22.47	22.59		
15	16QAM	1	37	22.56	22.44	22.52		
15	16QAM	1	74	22.57	22.45	22.57	22	2
15	16QAM	36	0	21.52	21.45	21.48		
15	16QAM	36	20	21.52	21.49	21.52		
15	16QAM	36	39	21.48	21.43	21.47	22	2
15	16QAM	75	0	21.55	21.51	21.53		
15	84QAM	1	0	21.32	21.24	21.29		
15	84QAM	1	37	21.27	21.18	21.26	22	2
15	84QAM	1	74	21.32	21.21	21.34		
15	84QAM	36	0	20.54	20.48	20.52		
15	84QAM	36	20	20.55	20.50	20.55	21	3
15	84QAM	36	39	20.53	20.48	20.52		
15	84QAM	75	0	20.51	20.51	20.53		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.89	22.76	22.81	24	0
10	QPSK	1	25	22.86	22.80	22.85		
10	QPSK	1	49	22.86	22.80	22.84		
10	QPSK	25	0	22.37	22.28	22.32	23	1
10	QPSK	25	12	22.38	22.31	22.36		
10	QPSK	25	25	22.35	22.31	22.37		
10	QPSK	50	0	22.39	22.33	22.36	23	1
10	16QAM	1	0	22.50	22.44	22.48		
10	16QAM	1	25	22.50	22.43	22.48		
10	16QAM	1	49	22.51	22.40	22.47	22	2
10	16QAM	25	0	21.53	21.44	21.52		
10	16QAM	25	12	21.53	21.47	21.51		
10	16QAM	25	25	21.52	21.40	21.51	22	2
10	16QAM	50	0	21.54	21.44	21.50		
10	84QAM	1	0	21.30	21.18	21.23		
10	84QAM	1	25	21.23	21.15	21.22	22	2
10	84QAM	1	49	21.25	21.19	21.23		
10	84QAM	25	0	20.47	20.40	20.45		
10	84QAM	25	12	20.46	20.41	20.47	21	3
10	84QAM	25	25	20.45	20.37	20.47		
10	84QAM	50	0	20.45	20.38	20.43		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2672.5	2695	2617.5		
5	QPSK	1	0	22.89	22.85	22.81	24	0
5	QPSK	1	12	22.88	22.83	22.86		
5	QPSK	1	24	22.82	22.77	22.80		
5	QPSK	12	0	22.41	22.36	22.36	23	1
5	QPSK	12	7	22.44	22.38	22.41		
5	QPSK	12	13	22.41	22.36	22.40		
5	QPSK	25	0	22.40	22.35	22.36	23	1
5	16QAM	1	0	22.53	22.43	22.48		
5	16QAM	1	12	22.55	22.46	22.50		
5	16QAM	1	24	22.53	22.46	22.49	22	2
5	16QAM	12	0	21.52	21.39	21.46		
5	16QAM	12	7	21.50	21.45	21.48		
5	16QAM	12	13	21.46	21.42	21.49	22	2
5	16QAM	25	0	21.54	21.51	21.53		
5	84QAM	1	0	21.30	21.23	21.24		
5	84QAM	1	12	21.29	21.20	21.26	22	2
5	84QAM	1	24	21.30	21.19	21.24		
5	84QAM	12	0	20.48	20.40	20.43		
5	84QAM	12	7	20.56	20.46	20.50	21	3
5	84QAM	12	13	20.46	20.42	20.46		
5	84QAM	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 Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40390	40640	40890	41140			
Frequency (MHz)				2545	2570	2595	2620	2645			
20	QPSK	1	0	22.64	22.71	22.85	22.98	22.88	24	0	
20	QPSK	1	49	22.68	22.78	22.90	22.81	22.93			
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	23	1	
20	QPSK	50	24	21.86	21.89	21.96	21.83	21.99			
20	QPSK	50	50	21.83	21.86	21.90	21.88	21.93			
20	QPSK	100	0	21.84	21.79	21.92	21.95	21.95	23	1	
20	16QAM	1	0	21.91	21.88	21.99	21.91	22.02			
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	22	2	
20	16QAM	50	0	20.90	20.96	21.05	20.97	21.08			
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	22	2	
20	16QAM	100	0	20.93	20.98	20.96	20.98	21.07			
20	84QAM	1	0	20.89	20.80	20.78	20.91	21.03			
20	84QAM	1	49	20.82	20.97	20.95	20.93	21.03	22	2	
20	84QAM	1	99	20.74	20.95	20.93	20.92	21.00			
20	84QAM	50	0	20.05	20.12	20.10	20.14	20.28			
20	84QAM	50	24	20.14	20.11	20.09	20.10	20.22	21	3	
20	84QAM	50	50	20.09	20.14	20.12	20.14	20.24			
20	84QAM	100	0	20.19	20.21	20.19	20.23	20.32			
Channel				40115	40378	40640	40903	41165	Tune-up limit (dBm)	MPR (dB)	
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	24	0	
15	QPSK	1	37	22.73	22.81	22.70	22.77	22.84			
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	23	1	
15	QPSK	36	20	21.88	21.82	21.85	21.86	21.95			
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	23	1	
15	16QAM	1	0	21.85	21.87	22.07	22.03	22.10			
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	22	2	
15	16QAM	36	0	20.83	20.90	20.95	20.88	20.98			
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	22	2	
15	16QAM	75	0	20.92	20.94	21.01	20.99	21.04			
15	84QAM	1	0	20.83	20.89	20.94	20.92	20.97			
15	84QAM	1	37	20.83	20.93	20.98	20.98	21.01	22	2	
15	84QAM	1	74	20.91	20.90	20.99	20.94	21.02			
15	84QAM	36	0	20.11	20.14	20.11	20.13	20.24			
15	84QAM	36	20	20.17	20.16	20.15	20.17	20.24	21	3	
15	84QAM	36	39	20.14	20.18	20.16	20.18	20.26			
15	84QAM	75	0	20.15	20.17	20.15	20.17	20.29			
Channel				40090	40365	40640	40915	41190</			



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)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	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 4 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)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	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 4 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	17.99	18.50	9.97	9.88	9.99	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	TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
		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.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	1850	1880	1910		
20	QPSK	1	49	1230	1229	1234	13	0
20	QPSK	1	99	1229	1228	1242		
20	QPSK	1	99	1220	1226	1228		
20	QPSK	50	0	1243	1245	1243		
20	QPSK	50	24	1233	1232	1240	13	0
20	QPSK	50	50	1237	1220	1235		
20	QPSK	100	0	1241	1243	1236		
20	16QAM	1	0	1242	1244	1248		
20	16QAM	1	49	1232	1239	1245	13	0
20	16QAM	1	99	1229	1237	1227		
20	16QAM	50	0	1231	1215	1226		
20	16QAM	50	24	1225	1215	1233		
20	16QAM	50	50	1217	1200	1218	13	0
20	16QAM	100	0	1221	1207	1217		
20	16QAM	1	0	1240	1230	1244		
20	16QAM	1	49	1235	1225	1241	13	0
20	16QAM	1	99	1215	1200	1215		
20	16QAM	50	0	1232	1214	1225		
20	16QAM	50	24	1223	1213	1232		
20	16QAM	50	50	1213	1200	1217	13	0
20	16QAM	100	0	1222	1208	1218		
Channel								
Frequency (MHz)								
15	QPSK	1	0	1875	1890	1915		
15	QPSK	1	37	1231	1225	1239	13	0
15	QPSK	1	74	1227	1209	1217		
15	QPSK	36	0	1238	1232	1248		
15	QPSK	36	20	1246	1230	1242	13	0
15	QPSK	36	39	1239	1222	1232		
15	QPSK	75	0	1246	1228	1240		
15	16QAM	1	0	1245	1243	1245		
15	16QAM	1	37	1237	1236	1248	13	0
15	16QAM	1	74	1233	1213	1227		
15	16QAM	36	0	1216	1216	1229		
15	16QAM	36	20	1238	1232	1248	13	0
15	16QAM	36	39	1217	1200	1215		
15	16QAM	75	0	1227	1208	1219		
15	16QAM	1	0	1234	1232	1245		
15	16QAM	1	37	1223	1226	1238	13	0
15	16QAM	1	74	1223	1202	1218		
15	16QAM	36	0	1216	1216	1228		
15	16QAM	36	20	1230	1216	1224	13	0
15	16QAM	36	39	1217	1199	1218		
15	16QAM	75	0	1225	1208	1222		
Channel								
Frequency (MHz)								
10	QPSK	1	0	1855	1880	1905		
10	QPSK	1	25	1241	1240	1247	13	0
10	QPSK	1	49	1240	1220	1221		
10	QPSK	25	0	1240	1232	1240		
10	QPSK	25	12	1240	1231	1237	13	0
10	QPSK	25	25	1243	1223	1229		
10	QPSK	50	0	1239	1227	1238		
10	16QAM	1	0	1239	1238	1246		
10	16QAM	1	25	1233	1233	1228	13	0
10	16QAM	1	49	1222	1215	1223		
10	16QAM	25	0	1218	1214	1220		
10	16QAM	25	12	1224	1207	1211	13	0
10	16QAM	25	25	1228	1213	1219		
10	16QAM	50	0	1244	1240	1241		
10	16QAM	50	12	1225	1229	1234	13	0
10	16QAM	50	25	1217	1207	1216		
10	16QAM	25	0	1220	1215	1224		
10	16QAM	25	12	1217	1213	1220		
10	16QAM	25	12	1225	1207	1211	13	0
10	16QAM	25	25	1227	1210	1218		
10	16QAM	50	0	1237	1240	1248		
Channel								
Frequency (MHz)								
5	QPSK	1	0	1862.5	1890	1917.5		
5	QPSK	1	12	1243	1229	1233	13	0
5	QPSK	1	24	1238	1227	1232		
5	QPSK	1	24	1228	1218	1218		
5	QPSK	12	0	1245	1229	1238	13	0
5	QPSK	12	7	1246	1229	1237		
5	QPSK	12	13	1236	1226	1232		
5	QPSK	25	0	1242	1224	1234		
5	16QAM	1	0	1240	1237	1241		
5	16QAM	1	12	1242	1236	1242	13	0
5	16QAM	1	24	1233	1229	1230		
5	16QAM	12	0	1211	1216	1222		
5	16QAM	12	7	1221	1213	1218	13	0
5	16QAM	12	13	1215	1209	1215		
5	16QAM	25	0	1219	1210	1216		
5	16QAM	1	0	1229	1225	1233		
5	16QAM	1	12	1230	1222	1227	13	0
5	16QAM	1	24	1223	1214	1218		
5	16QAM	12	0	1221	1215	1217		
5	16QAM	12	7	1213	1208	1220	13	0
5	16QAM	12	13	1215	1208	1212		
5	16QAM	25	0	1218	1210	1213		
Channel								
Frequency (MHz)								
3	QPSK	1	0	1861.5	1880	1908.5		
3	QPSK	1	8	1236	1229	1243	13	0
3	QPSK	1	14	1226	1204	1212		
3	QPSK	8	0	1235	1229	1247		
3	QPSK	8	4	1241	1227	1237	13	0
3	QPSK	8	7	1238	1217	1231		
3	QPSK	15	0	1243	1225	1237		
3	16QAM	1	0	1244	1242	1250		
3	16QAM	1	8	1232	1231	1247	13	0
3	16QAM	1	14	1232	1212	1224		
3	16QAM	8	0	1211	1211	1228		
3	16QAM	8	4	1231	1213	1221	13	0
3	16QAM	8	7	1226	1199	1210		
3	16QAM	15	0	1226	1203	1218		
3	16QAM	1	0	1233	1229	1244		
3	16QAM	1	8	1218	1225	1233	13	0
3	16QAM	1	14	1222	1197	1217		
3	16QAM	8	0	1213	1215	1225		
3	16QAM	8	4	1225	1215	1219	13	0
3	16QAM	8	7	1214	1194	1217		
3	16QAM	15	0	1225	1207	1217		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	1857	1880	1903		
1.4	QPSK	1	3	1231	1226	1238	13	0
1.4	QPSK	1	3	1225	1223	1237		
1.4	QPSK	1	5	1225	1199	1207		
1.4	QPSK	3	0	1232	1226	1246		
1.4	QPSK	3	1	1236	1224	1232	13	0
1.4	QPSK	3	3	1237	1212	1230		
1.4	QPSK	6	0	1240	1222	1234	13	0
1.4	16QAM	1	0	1243	1241	1245		
1.4	16QAM	1	3	1227	1226	1246		
1.4	16QAM	1	5	1231	1211	1221	13	0
1.4	16QAM	3	0	1206	1206	1227		
1.4	16QAM	3	1	1230	1210	1216		
1.4	16QAM	3	3	1207	1198	1205		
1.4	16QAM	6	0	1225	1198	1217	13	0
1.4	16QAM	1	0	1232	1226	1233		
1.4	16QAM	1	3	1213	1224	1228		
1.4	16QAM	1	5	1221	1192	1216		
1.4	16QAM	3	0	1210	1214	1222	13	0
1.4	16QAM	3	1	1220	1214	1214		
1.4	16QAM	3	3	1211	1189	1216		
1.4	16QAM	6	0	1224	1206	1220	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								
Frequency (MHz)								
20	QPSK	1	0	1720	1746	1774		
20	QPSK	1	49	1233	1228	1217	13	0
20	QPSK	1	99	1220	1211	1200		
20	QPSK	50	0	1237	1245	1219		
20	QPSK	50	24	1232	1229	1224	13	0
20	QPSK	50	50	1232	1217	1207		
20	QPSK	100	0	1236	1237	1222		
20	16QAM	1	0	1238	1239	1227		
20	16QAM	1	49	1226	1234	1222	13	0
20	16QAM	1	99	1226	1214	1210		
20	16QAM	50	0	1221	1219	1223		
20	16QAM	50	24	1229	1214	1203		
20	16QAM	50	50	1238	1246	1241	13	0
20	16QAM	100	0	1244	1253	1250		
20	16QAM	1	0	1				



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)				2570	2535	2590			
20	QPSK	1	0	15.33	15.31	15.29			
20	QPSK	1	49	15.26	15.33	15.45	16	0	
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	15.26	15.31	15.33	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	16	0	
20	16QAM	50	50	15.36	15.36	15.30			
20	16QAM	100	0	15.32	15.35	15.45			
20	16QAM	1	0	15.48	15.48	15.37			
20	16QAM	1	49	15.49	15.33	15.39	16	0	
20	16QAM	1	99	15.36	15.27	15.39			
20	16QAM	50	0	15.31	15.31	15.40			
20	16QAM	50	24	15.35	15.33	15.46	16	0	
20	16QAM	50	50	15.34	15.34	15.57			
20	16QAM	100	0	15.35	15.37	15.45			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	15.44	15.38	15.52			
15	QPSK	1	37	15.44	15.34	15.60	16	0	
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	16	0	
15	16QAM	36	39	15.37	15.37	15.57			
15	16QAM	75	0	15.36	15.33	15.47			
15	16QAM	1	0	15.31	15.29	15.32			
15	16QAM	1	37	15.29	15.28	15.48	16	0	
15	16QAM	1	74	15.36	15.38	15.59			
15	16QAM	36	0	15.09	15.12	15.26			
15	16QAM	36	20	15.18	15.14	15.38	16	0	
15	16QAM	36	39	15.15	15.15	15.36			
15	16QAM	75	0	15.14	15.11	15.25			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	15.36	15.38	15.55			
10	QPSK	1	25	15.35	15.38	15.59	16	0	
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	16	0	
10	16QAM	25	25	15.33	15.32	15.56			
10	16QAM	50	0	15.31	15.33	15.55			
10	16QAM	1	0	15.25	15.26	15.42			
10	16QAM	1	25	15.24	15.24	15.46	16	0	
10	16QAM	1	49	15.32	15.29	15.55			
10	16QAM	25	0	15.09	15.10	15.32			
10	16QAM	25	12	15.14	15.10	15.34	16	0	
10	16QAM	25	25	15.11	15.12	15.35			
10	16QAM	50	0	15.09	15.11	15.32			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	15.35	15.34	15.54			
5	QPSK	1	12	15.34	15.37	15.58	16	0	
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	16	0	
5	16QAM	12	13	15.35	15.35	15.58			
5	16QAM	25	0	15.30	15.30	15.52			
5	16QAM	1	0	15.20	15.25	15.48			
5	16QAM	1	12	15.20	15.24	15.50	16	0	
5	16QAM	1	24	15.32	15.24	15.50			
5	16QAM	12	0	15.10	15.09	15.33			
5	16QAM	12	7	15.13	15.12	15.37	16	0	
5	16QAM	12	13	15.13	15.10	15.34			
5	16QAM	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	12.23	12.41			
20	QPSK	1	49	12.23	12.24	12.34	13	0	
20	QPSK	1	99	12.18	12.26	12.30			
20	QPSK	50	0	12.25	12.35	12.30			
20	QPSK	50	24	12.07	12.03	12.01	13	0	
20	QPSK	50	50	12.02	12.03	12.10			
20	QPSK	100	0	12.08	12.23	12.11			
20	16QAM	1	0	12.37	12.34	12.34			
20	16QAM	1	49	12.23	12.33	12.41	13	0	
20	16QAM	1	99	12.20	12.43	12.43			
20	16QAM	50	0	12.06	12.11	12.11			
20	16QAM	50	24	12.15	12.09	12.12	13	0	
20	16QAM	50	50	12.09	12.04	12.20			
20	16QAM	100	0	12.14	12.06	12.08			
20	16QAM	1	0	12.18	12.16	12.32			
20	16QAM	1	49	12.22	12.12	12.40	13	0	
20	16QAM	1	99	12.16	12.30	12.31			
20	16QAM	50	0	12.06	12.11	12.12			
20	16QAM	50	24	12.09	12.10	12.14	13	0	
20	16QAM	50	50	12.09	12.05	12.16			
20	16QAM	100	0	12.08	12.07	12.04			
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	12.22	12.34	12.22			
15	QPSK	1	37	12.22	12.19	12.34	13	0	
15	QPSK	1	74	12.25	12.16	12.31			
15	QPSK	36	0	12.27	12.31	12.24			
15	QPSK	36	20	12.00	12.02	12.09	13	0	
15	QPSK	36	39	12.06	11.93	12.06			
15	QPSK	75	0	12.02	12.00	11.96			
15	16QAM	1	0	12.39	12.41	12.34			
15	16QAM	1	37	12.29	12.26	12.42	13	0	
15	16QAM	1	74	12.27	12.19	12.44			
15	16QAM	36	0	12.06	12.05	12.11			
15	16QAM	36	20	12.11	12.38	12.23	13	0	
15	16QAM	36	39	12.09	12.01	12.17			
15	16QAM	75	0	12.14	12.05	12.10			
15	16QAM	1	0	12.25	12.32	12.29			
15	16QAM	1	37	12.25	12.30	12.41	13	0	
15	16QAM	1	74	12.27	12.20	12.25			
15	16QAM	36	0	12.11	12.11	12.09			
15	16QAM	36	20	12.14	12.14	12.27	13	0	
15	16QAM	36	39	12.21	12.07	12.21			
15	16QAM	75	0						



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				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	19.23	19.23	19.22	19.5	0		
20	QPSK	1	49	19.27	19.25	19.24				
20	QPSK	1	99	19.25	19.29	19.20				
20	QPSK	50	0	19.01	18.98	19.02	19.5	0		
20	QPSK	50	24	19.03	19.02	19.00				
20	QPSK	50	50	19.04	19.01	19.04				
20	QPSK	100	0	19.03	19.02	19.02	19.5	0		
20	16QAM	1	0	19.14	19.11	19.14				
20	16QAM	1	49	19.16	19.12	19.16				
20	16QAM	1	99	19.22	19.17	19.24	19.5	0		
20	16QAM	50	0	19.14	19.07	19.12				
20	16QAM	50	24	19.13	19.13	19.12				
20	16QAM	50	50	19.17	19.12	19.17	19.5	0		
20	16QAM	100	0	19.14	19.11	19.10				
20	64QAM	1	0	18.88	18.81	18.88				
20	64QAM	1	49	18.88	18.84	18.88	19.5	0		
20	64QAM	1	99	18.94	18.91	18.91				
20	64QAM	50	0	19.07	19.03	19.06				
20	64QAM	50	24	19.06	19.09	19.07	19.5	0		
20	64QAM	50	50	19.10	19.05	19.09				
20	64QAM	100	0	19.18	19.15	19.18				
Channel				37925	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	18.91	18.92	18.93	19.5	0		
15	QPSK	1	37	18.94	18.90	18.90				
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	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	18.89	18.85	18.90	19.5	0		
10	QPSK	1	25	18.89	18.87	18.91				
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	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	18.90	18.84	18.91	19.5	0		
5	QPSK	1	12	18.92	18.93	18.95				
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				
Frequency (MHz)				2545	2570	2595	2620	2645				
20	QPSK	1	0	19.16	19.11	19.15	19.32	19.23	19.5	0		
20	QPSK	1	49	19.00	19.00	19.12	19.00	19.12				
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	19.5	0		
20	QPSK	50	24	19.08	19.08	19.14	19.10	19.19				
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	19.5	0		
20	16QAM	1	0	19.25	19.30	19.31	19.25	19.15				
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	19.5	0		
20	16QAM	50	0	19.26	19.22	19.14	19.22	19.31				
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	19.5	0		
20	16QAM	100	0	19.30	19.16	19.15	19.13	19.26				
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	19.5	0		
20	64QAM	1	99	18.95	18.79	18.64	18.80	18.96				
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	19.5	0		
20	64QAM	50	50	18.73	18.57	18.87	18.55	18.70				
20	64QAM	100	0	18.85	18.71	18.99	18.68	18.80				
Channel				40115	40378	40640	40903	41165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2542.5	2568.8	2595	2621.3	2647.5				
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.						

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	RM-C 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)									
20	QPSK	1	0	18.98	18.99	18.97			
20	QPSK	1	49	18.99	19.00	18.92	20	0	
20	QPSK	1	99	18.98	18.92	18.79			
20	QPSK	50	0	18.99	19.05	18.93			
20	QPSK	50	24	19.00	19.03	18.94	20	0	
20	QPSK	50	50	18.92	18.95	18.85			
20	QPSK	100	0	18.93	18.97	18.91			
20	16QAM	1	0	18.92	18.97	18.92	20	0	
20	16QAM	1	49	18.93	18.95	18.93			
20	16QAM	1	99	18.97	18.92	18.76			
20	16QAM	50	0	18.99	18.97	18.91			
20	16QAM	50	24	18.99	18.99	18.89	20	0	
20	16QAM	50	50	18.92	18.92	18.81			
20	16QAM	100	0	18.92	18.90	18.85			
20	16QAM	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				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	0	18.85	18.89	18.84			
15	QPSK	1	37	18.88	18.87	18.77	20	0	
15	QPSK	1	74	18.78	18.82	18.66			
15	QPSK	36	0	18.92	18.92	18.83			
15	QPSK	36	20	18.95	18.95	18.84	20	0	
15	QPSK	36	39	18.90	18.88	18.78			
15	QPSK	75	0	18.88	18.86	18.80			
15	16QAM	1	0	18.94	18.93	18.90			
15	16QAM	1	37	18.93	18.98	18.86	20	0	
15	16QAM	1	74	18.85	18.92	18.76			
15	16QAM	36	0	18.89	18.70	18.60			
15	16QAM	36	20	18.72	18.71	18.58	20	0	
15	16QAM	36	39	18.66	18.63	18.52			
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	18.65	18.61	18.50			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	0	19.00	18.96	18.80			
10	QPSK	1	25	18.86	18.85	18.75	20	0	
10	QPSK	1	49	18.87	18.87	18.69			
10	QPSK	25	0	18.92	18.89	18.78			
10	QPSK	25	12	18.94	18.91	18.78	20	0	
10	QPSK	25	25	18.85	18.84	18.74			
10	QPSK	50	0	18.90	18.87	18.78			
10	16QAM	1	0	19.03	19.02	18.91			
10	16QAM	1	25	18.97	18.99	18.88	20	0	
10	16QAM	1	49	18.96	18.96	18.76			
10	16QAM	25	0	18.68	18.66	18.54			
10	16QAM	25	12	18.68	18.68	18.56	20	0	
10	16QAM	25	25	18.61	18.64	18.51			
10	16QAM	50	0	18.66	18.68	18.54			
10	64QAM	1	0	18.95	18.89	18.75	20	0	
10	64QAM	1	25	18.90	18.83	18.73			
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				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	0	18.87	18.86	18.76			
5	QPSK	1	12	18.92	18.85	18.74	20	0	
5	QPSK	1	24	18.83	18.87	18.69			
5	QPSK	12	0	18.93	18.94	18.78			
5	QPSK	12	7	18.91	18.94	18.79	20	0	
5	QPSK	12	13	18.88	18.86	18.75			
5	QPSK	25	0	18.87	18.86	18.76			
5	16QAM	1	0	18.96	18.95	18.81			
5	16QAM	1	12	18.99	18.96	18.85	20	0	
5	16QAM	1	24	18.92	18.92	18.77			
5	16QAM	12	0	18.70	18.66	18.55			
5	16QAM	12	7	18.71	18.70	18.58	20	0	
5	16QAM	12	13	18.68	18.66	18.53			
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	18.66	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				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
3	QPSK	1	0	18.87	18.86	18.71			
3	QPSK	1	8	18.89	18.86	18.71	20	0	
3	QPSK	1	14	18.82	18.80	18.71			
3	QPSK	8	0	18.91	18.90	18.78			
3	QPSK	8	4	18.93	18.95	18.80	20	0	
3	QPSK	8	7	18.89	18.89	18.75			
3	QPSK	15	0	18.87	18.87	18.74			
3	16QAM	1	0	18.96	18.92	18.83			
3	16QAM	1	8	18.97	18.98	18.78	20	0	
3	16QAM	1	14	18.92	18.93	18.72			
3	16QAM	8	0	18.75	18.71	18.54			
3	16QAM	8	4	18.78	18.75	18.59	20	0	
3	16QAM	8	7	18.73	18.70	18.53			
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				18600	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
1.4	QPSK	1	0	18.80	18.81	18.64			
1.4	QPSK	1	3	18.88	18.84	18.72	20	0	
1.4	QPSK	1	5	18.76	18.74	18.63			
1.4	QPSK	3	0	18.83	18.84	18.69			
1.4	QPSK	3	1	18.88	18.86	18.71			
1.4	QPSK	3	3	18.82	18.81	18.67	20	0	
1.4	QPSK	6	0	18.85	18.82	18.68			
1.4	16QAM	1	0	18.91	18.80	18.68			
1.4	16QAM	1	3	18.92	18.95	18.71	20	0	
1.4	16QAM	1	5	18.86	18.83	18.65			
1.4	16QAM	3	0	18.63	18.63	18.76	20	0	
1.4	16QAM	3	1	18.69	18.66	18.50			
1.4	16QAM	3	3	18.57	18.58	18.73			
1.4	16QAM	6	0	18.64	18.64	18.72	20	0	
1.4	16QAM	1	0	18.73	18.73	18.53			
1.4	64QAM	1	3	18.73	18.77	18.58			
1.4	64QAM	1	5	18.73	18.71	18.53	20	0	
1.4	64QAM	3	0	18.62	18.64	18.69			
1.4	64QAM	3	1	18.63	18.71	18.79			
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 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)									
20	QPSK	1	0	18.30	18.30	18.28			
20	QPSK	1	49	18.30	18.22	18.28	19.5	0	
20	QPSK	1	99	18.21	18.33	18.37			
20	QPSK	50	0	18.34	18.39	18.29			
20	QPSK	50	24	18.37	18.26	18.24	19.5	0	
20	QPSK	50	50	18.31	18.38	18.32			
20	QPSK	100	0	18.36	18.40	18.20			
20	16QAM	1	0	18.31	18.37	18.25			
20	16QAM	1	49	18.29	18.29	18.33	19.5	0	
20	16QAM	1	99	18.19	18.33	18.34			
20	16QAM	50	0	18.21	18.21	18.35			
20	16QAM	50	24	18.25	18.16	18.31	19.5	0	
20	16QAM	50	50	18.28	18.33	18.23			
20	16QAM	100	0	18.22	18.34	18.33			
20	64QAM	1	0	18.39	18.44	18.28			
20	64QAM	1	49	18.38	18.34	18.21	19.5	0	
20	64QAM	1	99	18.30	18.20	18.33			
20	64QAM	50	0	18.17	18.18	18.30			
20	64QAM	50	24	18.27	18.31	18.08	19.5	0	
20	64QAM	50	50	18.12	18.26	18.11			
20	64QAM	100	0	18.16	18.1				



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)				2210	2235	2260			
20	QPSK	1	0	20.99	21.24	21.09			
20	QPSK	1	49	20.85	20.89	21.06	22.5	0	
20	QPSK	1	99	20.87	20.84	20.95			
20	QPSK	50	0	20.91	21.00	20.94			
20	QPSK	50	24	20.93	20.95	20.99	22.5	0	
20	QPSK	50	50	20.98	20.89	20.97			
20	QPSK	100	0	20.98	20.99	20.98			
20	16QAM	1	0	21.20	20.97	21.14			
20	16QAM	1	49	21.19	21.22	21.19	22.5	0	
20	16QAM	1	99	21.16	21.16	21.09			
20	16QAM	50	0	20.50	20.56	20.60			
20	16QAM	50	24	20.64	20.54	20.69	22	0.5	
20	16QAM	50	50	20.56	20.51	20.61			
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	20.64	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			
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	20.96	21.08			
15	QPSK	36	39	20.91	20.91	21.06			
15	QPSK	75	0	20.93	20.93	21.06			
15	16QAM	1	0	21.23	21.05	21.02			
15	16QAM	1	37	21.21	21.21	21.02	22.5	0	
15	16QAM	1	74	21.17	21.17	21.08			
15	16QAM	36	0	20.56	20.57	20.52	22	0.5	
15	16QAM	36	20	20.54	20.54	20.50			
15	16QAM	36	39	20.52	20.53	20.54			
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			
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			
10	16QAM	1	0	21.19	21.06	21.00	22.5	0	
10	16QAM	1	25	21.23	21.21	21.08			
10	16QAM	1	49	21.17	21.17	21.02			
10	16QAM	25	0	20.57	20.55	20.67	22	0.5	
10	16QAM	25	12	20.61	20.60	20.68			
10	16QAM	25	25	20.55	20.57	20.66			
10	16QAM	50	0	20.57	20.50	20.67			
10	64QAM	1	0	20.61	20.60	20.68	22	0.5	
10	64QAM	1	25	20.61	20.60	20.68			
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			
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			
5	16QAM	1	0	20.91	20.93	21.05	22.5	0	
5	16QAM	1	12	20.97	20.95	21.09			
5	16QAM	1	24	20.91	20.93	21.07			
5	16QAM	12	0	20.57	20.55	20.68	22	0.5	
5	16QAM	12	7	20.67	20.60	20.68			
5	16QAM	12	13	20.57	20.60	20.68			
5	16QAM	25	0	20.67	20.61	20.67			
5	64QAM	1	0	20.52	20.53	20.61	22	0.5	
5	64QAM	1	12	20.50	20.55	20.58			
5	64QAM	1	24	20.64	20.52	20.68			
5	64QAM	12	0	19.57	19.50	19.61			
5	64QAM	12	7	19.58	19.49	19.53	21	1.5	
5	64QAM	12	13	19.68	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	18.44	18.38	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			
20	16QAM	1	0	18.46	18.52	18.40	19.5	0	
20	16QAM	1	49	18.44	18.44	18.28			
20	16QAM	1	99	18.34	18.28	18.19			
20	16QAM	50	0	18.36	18.36	18.20	19.5	0	
20	16QAM	50	24	18.40	18.31	18.26			
20	16QAM	50	50	18.33	18.18	18.11			
20	16QAM	100	0	18.37	18.29	18.18			
20	64QAM	1	0	18.54	18.59	18.43	19.5	0	
20	64QAM	1	49	18.53	18.49	18.36			
20	64QAM	1	99	18.45	18.35	18.28			
20	64QAM	50	0	18.32	18.33	18.18	19.5	0	
20	64QAM	50	24	18.42	18.26	18.23			
20	64QAM	50	50	18.27	18.21	18.08			
20	64QAM	100	0	18.36	18.26	18.20			
Channel				132047	132322	132597			
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	18.38	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			
15	16QAM	1	0	18.43	18.50	18.41	19.5	0	
15	16QAM	1	37	18.39	18.37	18.16			
15	16QAM	1	74	18.38	18.30	18.16			
15	16QAM	36	0	18.37	18.35	18.23	19.5	0	
15	16QAM	36	20	18.45	18.33	18.20			
15	16QAM	36	39	18.35	18.22	18.08			
15	16QAM	75	0	18.42	18.24	18.16			
15	64QAM	1	0	18.55	18.56	18.50	19.5	0	
15	64QAM	1	37	18.45	18.47	18.29			
15	64QAM	1	74	18.42	18.37	18.25			
15	64QAM	36	0	18.35	18.34	18.22	19.5	0	
15	64QAM	36	20	18.44	18.31	18.19			
15	64QAM	36	39	18.37	18.				



Full Power Mode 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	Offset	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
			(MHz)							(MHz)			
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	2555	3100	22.72	22.91
	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	2132.5	2175	22.75	22.89
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	Band	(MHz)	Freq.	Channel	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
			(MHz)			Offset	(MHz)			(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	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	66886	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	UL	Mod.	UL#	UL	LTE	BW	DL	DL	Tx. Power (dBm)	Tx. Power (dBm)
	Band	(MHz)	Freq. (MHz)	Channel		RB	RB	Band	(MHz)	Freq. (MHz)	Channel		
						Offset							
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	(MHz)			(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	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	Tx. Power (dBm)	Tx. Power (dBm)
	Band	(MHz)	Freq.	Channel		RB	RB Offset	Band	(MHz)	Freq.	Channel		
			(MHz)		(MHz)								
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	(MHz)			(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	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 Power & Body Worn & Handheld						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.13	20.00	100.00
		6	2437	18.43	20.00	
		11	2462	18.24	20.00	
	802.11g 6Mbps	1	2412	17.24	19.50	
		6	2437	18.49	20.00	
		11	2462	16.01	17.50	
802.11n-HT20 MCS9	1	2412	17.91	19.00	98.50	
	6	2437	17.50	19.00		
	11	2462	16.22	18.00		

2.4GHz WLAN At Head						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.13	19.00	100.00
		6	2437	18.43	19.00	
		11	2462	18.34	19.00	
	802.11g 6Mbps	1	2412	17.24	19.50	
		6	2437	18.49	19.00	
		11	2462	16.01	17.50	
802.11n-HT20 MCS9	1	2412	17.91	19.00	98.50	
	6	2437	17.50	19.00		
	11	2462	16.22	18.00		

2.4GHz WLAN Reduced Power for Simultaneous & Hotspot						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	14.17	15.50	100.00
		6	2437	14.25	15.50	
		11	2462	14.23	15.50	
	802.11g 6Mbps	1	2412	13.24	15.50	
		6	2437	14.49	15.50	
		11	2462	11.01	15.50	
802.11n-HT20 MCS9	1	2412	13.91	15.50	98.50	
	6	2437	13.50	15.50		
	11	2462	12.22	15.50		

5GHz WLAN Full Power & Head & Handheld						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.95	18.50	97.90
		40	5200	18.05	19.00	
		44	5220	18.14	19.00	
	802.11n-HT20 MCS9	48	5240	18.17	19.00	
		36	5180	17.02	18.50	
		40	5200	16.37	19.00	
802.11n-HT40 MCS9	44	5220	18.43	19.00	98.12	
	48	5240	18.41	19.00		
	38	5190	12.96	14.00		
802.11ac-VHT20 MCS9	46	5230	18.16	19.00	96.24	
	36	5180	16.19	17.00		
	40	5200	16.20	17.00		
802.11ac-VHT40 MCS9	44	5220	16.94	17.00	98.23	
	48	5240	15.90	17.00		
	38	5190	16.06	17.00		
802.11ac-VHT80 MCS9	46	5230	15.93	17.00	96.27	
	42	5210	12.17	13.50		
	42	5210	12.17	13.50		

5GHz WLAN Reduced Power for Simultaneous & Hotspot						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	7.15	7.50	97.90
		40	5200	7.23	7.50	
		44	5220	7.19	7.50	
	802.11n-HT20 MCS9	48	5240	7.17	7.50	
		36	5180	7.50	7.50	
		40	5200	7.50	7.50	
802.11n-HT40 MCS9	44	5220	7.50	7.50	98.16	
	48	5240	7.50	7.50		
	38	5190	7.00	7.00		
802.11ac-VHT20 MCS9	46	5230	7.00	7.00	96.03	
	36	5180	7.50	7.50		
	40	5200	7.50	7.50		
802.11ac-VHT40 MCS9	44	5220	7.50	7.50	98.01	
	48	5240	7.50	7.50		
	38	5190	7.00	7.00		
802.11ac-VHT80 MCS9	46	5230	7.00	7.00	96.50	
	42	5210	7.00	7.00		
	42	5210	7.00	7.00		

5GHz WLAN Reduced Power for P-Sensor Body Worn						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	11.49	12.00	97.90
		40	5200	11.51	12.00	
		44	5220	11.37	12.00	
	802.11n-HT20 MCS9	48	5240	11.23	12.00	
		36	5180	12.00	12.00	
		40	5200	12.00	12.00	
802.11n-HT40 MCS9	44	5220	12.00	12.00	98.16	
	48	5240	12.00	12.00		
	38	5190	11.50	11.50		
802.11ac-VHT20 MCS9	46	5230	11.50	12.00	96.03	
	36	5180	11.50	12.00		
	40	5200	11.50	12.00		
802.11ac-VHT40 MCS9	44	5220	11.50	12.00	98.01	
	48	5240	11.50	12.00		
	38	5190	11.50	11.50		
802.11ac-VHT80 MCS9	46	5230	11.50	11.50	96.50	
	42	5210	11.50	11.50		
	42	5210	11.50	11.50		

5GHz WLAN Full Power & Head & Handheld						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.05	19.00	97.90
		56	5280	18.02	19.00	
		60	5300	18.14	19.00	
		64	5320	17.75	19.00	
		52	5260	18.37	19.00	
		56	5280	18.39	19.00	
	802.11n-HT20 MCS9	60	5300	18.36	19.00	98.12
		64	5320	17.62	19.00	
		54	5270	18.33	19.00	
		62	5310	15.62	17.00	
		52	5260	15.73	17.00	
		56	5280	15.83	17.00	
802.11n-HT40 MCS9	54	5270	18.33	19.00	98.24	
	62	5310	15.62	17.00		
	52	5260	15.73	17.00		
	56	5280	15.83	17.00		
	60	5300	15.81	17.00		
	64	5320	15.87	17.00		
802.11ac-VHT20 MCS9	54	5270	15.72	17.00	98.23	
	62	5310	15.77	17.00		
	58	5290	15.47	16.00		
	58	5290	15.47	16.00		
	58	5290	15.47	16.00		
	58	5290	15.47	16.00		

5GHz WLAN Reduced Power for Simultaneous						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	6.30	7.50	97.90
		56	5280	6.16	7.50	
		60	5300	6.31	7.50	
		64	5320	6.27	7.50	
		52	5260	7.50	7.50	
		56	5280	7.50	7.50	
	802.11n-HT20 MCS9	60	5300	7.50	7.50	98.16
		64	5320	7.50	7.50	
		54	5270	7.00	7.00	
		62	5310	7.00	7.00	
		52	5260	7.50	7.50	
		56	5280	7.50	7.50	
802.11n-HT40 MCS9	54	5270	7.00	7.00	96.03	
	62	5310	7.00	7.00		
	52	5260	7.50	7.50		
	56	5280	7.50	7.50		
	60	5300	7.50	7.50		
	64	5320	7.50	7.50		
802.11ac-VHT20 MCS9	54	5270	7.00	7.00	98.01	
	62	5310	7.00	7.00		
	58	5290	7.50	7.50		
	58	5290	7.50	7.50		
	58	5290	7.50	7.50		
	58	5290	7.50	7.50		

5GHz WLAN Reduced Power for P-Sensor						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.3GHz WLAN	802.11a 6Mbps	52	5260	11.15	12.00	97.90
		56	5280	11.29	12.00	
		60	5300	11.23	12.00	
		64	5320	11.15	12.00	
		52	5260	12.00	12.00	
		56	5280	12.00	12.00	
	802.11n-HT20 MCS9	60	5300	12.00	12.00	98.16
		64	5320	12.00	12.00	
		54	5270	11.50	11.50	
		62	5310	11.50	11.50	
		52	5260	12.00	12.00	
		56	5280	12.00	12.00	
802.11n-HT40 MCS9	54	5270	11.50	11.50	96.03	
	62	5310	11.50	11.50		
	52	5260	12.00	12.00		
	56	5280	12.00	12.00		
	60	5300	12.00	12.00		
	64	5320	12.00	12.00		
802.11ac-VHT20 MCS9	54	5270	11.50	11.50	98.01	
	62	5310	11.50	11.50		
	58	5290	12.00	12.00		
	58	5290	12.00	12.00		
	58	5290	12.00	12.00		
	58	5290	12.00	12.00		

5GHz WLAN Full Power & Head & Handheld						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.83	19.00	97.90
		116	5580	18.70	19.00	
		124	5620	18.68	19.00	
		132	5660	18.03	19.00	
		140	5700	18.35	19.00	
		144	5720	18.10	19.00	
	802.11n-HT20 MCS9	100	5500	18.72	19.00	98.12
		116	5580	18.62	19.00	
		124	5620	18.71	19.00	
		132	5660	18.27	19.00	
		140	5700	18.46	19.00	
		144	5720	18.30	19.00	
	802.11n-HT40 MCS9	102	5510	16.34	18.00	96.24
		110	5550	18.44	19.00	
		126	5630	18.93	19.00	
		134	5670	17.72	18.50	
		142	5710	18.33	19.00	
		100	5500	15.99	17.00	
802.11ac-VHT20 MCS9	116	5580	15.64	17.00	98.23	
	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 MCS9	110	5550	16.06	17.00	96.27	
	126	5630	16.25	17.00		
	134	5670	16.27	17.00		
	142	5710	16.62	17.00		
	106	5530	12.94	14.00		
	122	5610	15.91	17.00		
802.11ac-VHT80 MCS9	138	5690	16.45	17.00	92.65	
	138	5690	16.45	17.00		

5GHz WLAN Reduced Power for Simultaneous						
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500	6.28	7.50	97.90
		116	5580	5.75	7.50	
		124	5620	6.05	7.50	
		132	5660	6.37	7.50	
		140	5700	6.73	7.50	
		144	5720	6.87	7.50	
	802.11n-HT20 MCS9	100	5500	7.50	7.50	98.16
		116	5580	7.50	7.50	
		124	5620	7.50	7.50	