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10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc dc)	WLAN	8.64	± 9.6 %
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6 %
10757	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc dc)	WLAN	8.77	± 9.6 %
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc dc)	WLAN	8.69	± 9.6 %
10759	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	± 9.6 %
10760	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc dc)	WLAN	8.49	± 9.6 %
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc dc)	WLAN	8.58	± 9.6 %
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc dc)	WLAN	8.49	± 9.6 %
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc dc)	WLAN	8.53	± 9.6 %
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc)	WLAN	8.54	± 9.6 %
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	± 9.6 %
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc dc)	WLAN	8.51	± 9.6 %
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	± 9.6 %
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6 %
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	± 9.6 %
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	± 9.6 %
10775	AAC	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10776	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.3	± 9.6 %
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.3	± 9.6 %
10778	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	± 9.6 %
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	± 9.6 %
10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	± 9.6 %
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.4	± 9.6 %
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	± 9.6 %
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	± 9.6 %
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	± 9.6 %
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	± 9.6 %
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	± 9.6 %
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	± 9.6 %
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	± 9.6 %
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAC	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	± 9.6 %
10802	AAC	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	± 9.6 %
10803	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10817	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	± 9.6 %
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.3	± 9.6 %
10821	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %



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10823	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 %
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	± 9.6 %
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	± 9.6 %
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.4	± 9.6 %
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 9.6 %
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 9.6 %
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 9.6 %
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.7	± 9.6 %
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 9.6 %
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.7	± 9.6 %
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 9.6 %
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 9.6 %
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.7	± 9.6 %
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	± 9.6 %
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 9.6 %
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 9.6 %
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6 %
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 %
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.4	± 9.6 %
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 9.6 %
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10872	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 9.6 %
10873	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10876	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10879	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 9.6 %
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 9.6 %
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 9.6 %
10885	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 9.6 %
10886	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 9.6 %
10890	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.4	± 9.6 %
10891	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 9.6 %
10892	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 9.6 %
10897	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 9.6 %
10898	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %



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10899	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 9.6 %
10900	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10901	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10902	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10904	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10907	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 9.6 %
10908	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10909	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 %
10910	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10911	AAD	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6 %
10912	AAD	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10914	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.6 %
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10918	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10919	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.6 %
10920	AAD	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 9.6 %
10921	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10922	AAD	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	± 9.6 %
10923	AAD	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10925	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	± 9.6 %
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 %
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10930	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 %
10931	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10932	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10933	AAA	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10934	AAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10935	AAA	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	± 9.6 %
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.9	± 9.6 %
10937	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	± 9.6 %
10938	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.9	± 9.6 %
10939	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6 %
10940	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	± 9.6 %
10941	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10942	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10943	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	± 9.6 %
10944	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	± 9.6 %
10945	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	± 9.6 %
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	± 9.6 %
10947	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10948	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10949	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	± 9.6 %
10950	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	± 9.6 %
10951	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	± 9.6 %
10952	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	± 9.6 %
10953	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	± 9.6 %
10954	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	± 9.6 %
10955	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	± 9.6 %
10956	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	± 9.6 %
10957	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9.6 %



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10958	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	± 9.6 %
10959	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6 %
10960	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9.6 %
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	± 9.6 %
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.4	± 9.6 %
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10964	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	± 9.6 %
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	± 9.6 %
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	± 9.6 %
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	± 9.6 %
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	± 9.6 %
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	± 9.6 %
10974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	± 9.6 %
10978	AAA	ULLA BDR	ULLA	1.16	± 9.6 %
10979	AAA	ULLA HDR4	ULLA	8.58	± 9.6 %
10980	AAA	ULLA HDR8	ULLA	10.32	± 9.6 %
10981	AAA	ULLA HDRp4	ULLA	3.19	± 9.6 %
10982	AAA	ULLA HDRp8	ULLA	3.43	± 9.6 %
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	± 9.6 %
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	± 9.6 %
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	± 9.6 %
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.5	± 9.6 %
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	± 9.6 %
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	± 9.6 %
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	± 9.6 %
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	± 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.



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FCC SAR Test Report



Certificate #6613.01

Appendix D. Conducted Power Result

WWAN Full Power

Band	GSM850				GSM1900			
	Channel	128	189	251	Max. Tune-up Power	512	661	810
Frequency	824.2	836.4	848.8		1850.2	1880	1909.8	
GSM	32.10	32.11	32.09	34.00	28.95	28.98	28.79	31.00
GPRS 1Tx Slot	32.11	32.12	32.10	34.00	28.96	29.00	28.90	31.00
GPRS 2Tx Slot	30.08	30.18	30.14	32.00	27.06	27.08	27.00	29.00
GPRS 3Tx Slot	28.21	28.30	28.25	30.00	25.34	25.59	24.96	27.00
GPRS 4Tx Slot	26.41	26.51	26.44	28.00	23.29	23.53	22.95	25.00
EDGE 1Tx Slot	25.08	25.13	25.31	27.00	25.71	25.78	25.65	27.50
EDGE 2Tx Slot	24.33	24.25	24.37	26.00	24.33	24.54	24.30	25.50
EDGE 3Tx Slot	21.99	21.96	22.11	23.50	21.97	22.30	22.15	23.50
EDGE 4Tx Slot	19.77	19.81	19.73	21.00	20.18	20.47	20.38	21.50

Source-Based Time-Averaged Power								
Band	GSM850			Max. Tune-up Power	GSM1900			Max. Tune-up Power
	Channel	128	189		251	512	661	
GSM	23.10	23.11	23.09	25.00	19.95	19.98	19.79	22.00
GPRS 1Tx Slot	23.11	23.12	23.10	25.00	19.96	20.00	19.90	22.00
GPRS 2Tx Slot	24.08	24.18	24.14	26.00	21.06	21.08	21.00	23.00
GPRS 3Tx Slot	23.95	24.04	23.99	25.74	21.08	21.33	20.70	22.74
GPRS 4Tx Slot	23.41	23.51	23.44	25.00	20.29	20.53	19.95	22.00
EDGE 1Tx Slot	16.08	16.13	16.31	18.00	16.71	16.78	16.65	18.50
EDGE 2Tx Slot	18.33	18.25	18.37	20.00	18.33	18.54	18.30	19.50
EDGE 3Tx Slot	17.73	17.70	17.85	19.24	17.71	18.04	17.89	19.24
EDGE 4Tx Slot	16.77	16.81	16.73	18.00	17.18	17.47	17.38	18.50

Band	WCDMA V			WCDMA V Max. Tune-up Power
	TX Channel	4132	4182	
Rx Channel	4357	4407	4458	
Frequency	826.4	836.4	846.6	
RMC 12.2K	21.73	22.07	21.18	23.00
HSDPA Subtest-1	20.68	20.97	20.11	22.00
HSDPA Subtest-2	20.74	20.97	20.11	22.00
HSDPA Subtest-3	20.72	20.99	20.09	22.00
HSDPA Subtest-4	20.70	20.97	20.12	22.00
DC-HSDPA Subtest-1	19.71	19.98	19.07	21.00
DC-HSDPA Subtest-2	19.74	20.01	19.13	21.00
DC-HSDPA Subtest-3	19.71	19.96	19.14	21.00
DC-HSDPA Subtest-4	19.70	20.05	19.13	21.00
HSUPA Subtest-1	19.73	20.00	19.10	21.00
HSUPA Subtest-2	19.71	19.98	19.09	21.00
HSUPA Subtest-3	19.70	20.02	19.17	21.00
HSUPA Subtest-4	19.72	19.97	19.13	21.00
HSUPA Subtest-5	19.73	19.98	19.10	21.00
HSPA+ Subtest-1	19.68	20.06	19.16	21.00

CA UL Full Power

CA_41C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Tune up Limit (dBm)
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	0	0	1	22.56	24.00
		16QAM	1	99	0	0	1	21.83	23.00
		64QAM	1	99	0	0	1	20.21	22.00
40185	40383	QPSK	1	99	0	0	1	22.56	24.00
		16QAM	1	99	0	0	1	21.85	23.00
		64QAM	1	99	0	0	1	20.81	22.00
40620	40422	QPSK	1	99	0	0	1	22.57	24.00
		16QAM	1	99	0	0	1	21.87	23.00
		64QAM	1	99	0	0	1	20.84	22.00
41055	40857	QPSK	1	99	0	0	1	22.51	24.00
		16QAM	1	99	0	0	1	21.78	23.00
		64QAM	1	99	0	0	1	20.74	22.00
41490	41292	QPSK	1	99	0	0	1	22.54	24.00
		16QAM	1	99	0	0	1	21.81	23.00
		64QAM	1	99	0	0	1	20.90	22.00

CA DL Full Power

Configure	CA List	PCC							SCC				Power		
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA	
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)	
Inter-Band	CA_5A-7A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	22.28	22.41	
		Band 7	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	22.36	22.43	
Intra-Band	Contiguous	CA_5B	Band 5	10M	831.6	20476	QPSK	1	0	Band 5	10M	886.5	2575	22.25	22.38
		CA_7C	Band 7	20M	2525.1	21001	QPSK	1	0	Band 7	20M	2664.9	3199	22.33	22.38
		CA_41C	Band 41	20M	2593	40620	QPSK	1	99	Band 41	20M	2612.8	40818	22.49	22.57
	Non-Contiguous	CA_5A-5A	Band 5	10M	829	20450	QPSK	1	0	Band 5	5M	891.5	2625	22.30	22.41
		CA_7A-7A	Band 7	20M	2510	20850	QPSK	1	0	Band 7	5M	2687.5	3425	22.08	22.19
		CA_41A-41A	Band 41	20M	2560	39750	QPSK	1	99	Band 41	5M	2687.5	41565	22.44	22.54

WLAN / BT Full Power

2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11b 1Mbps	1	2412	15.82	17.00
		6	2437	15.17	17.00
		11	2462	15.97	17.00
	802.11g 6Mbps	1	2412	15.76	17.00
		6	2437	14.95	17.00
		11	2462	10.88	12.00
	802.11n-HT20 MCS0	1	2412	13.18	15.00
		6	2437	13.84	16.00
		11	2462	10.76	12.00
802.11n-HT40 MCS0	3	2422	9.18	11.00	
	6	2437	12.88	15.00	
	9	2452	8.93	11.00	

5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps	36	5180	15.78	16.00
		40	5200	15.21	16.00
		44	5220	14.92	16.00
		48	5240	14.95	16.00
	802.11n-HT20 MCS0	36	5180	15.66	16.00
		40	5200	15.46	16.00
		44	5220	15.15	16.00
		48	5240	15.19	16.00
	802.11n-HT40 MCS0	38	5190	12.36	14.00
		46	5230	13.62	15.00
	802.11ac-VHT20 MCS0	36	5180	15.66	16.00
		40	5200	15.53	16.00
		44	5220	15.05	16.00
	802.11ac-VHT40 MCS0	44	5220	15.05	16.00
		48	5240	15.22	16.00
802.11ac-VHT80 MCS0	38	5190	12.33	14.00	
	46	5230	14.00	15.00	
802.11ac-VHT80 MCS0	42	5210	7.48	9.00	

5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps	52	5260	14.76	16.00
		56	5280	14.25	16.00
		60	5300	14.29	16.00
		64	5320	14.09	16.00
	802.11n-HT20 MCS0	52	5260	14.97	16.00
		56	5280	14.06	16.00
		60	5300	14.63	16.00
		64	5320	14.42	16.00
	802.11n-HT40 MCS0	54	5270	13.19	15.00
		62	5310	12.78	15.00
	802.11ac-VHT20 MCS0	52	5260	15.00	16.00
		56	5280	14.24	16.00
		60	5300	14.51	16.00
	802.11ac-VHT40 MCS0	64	5320	14.57	16.00
		54	5270	13.71	15.00
802.11ac-VHT80 MCS0	62	5310	12.70	15.00	
	58	5290	10.54	13.00	

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	5.6GHz WLAN	802.11a 6Mbps	100	5500	15.38
116			5580	15.18	16.00
124			5620	15.06	16.00
132			5660	15.21	16.00
140			5700	15.65	16.00
144			5720	15.17	16.00
802.11n-HT20 MCS0		100	5500	15.34	16.00
		116	5580	14.76	16.00
		124	5620	15.15	16.00
		132	5660	14.92	16.00
		140	5700	15.62	16.00
		144	5720	14.58	16.00
802.11n-HT40 MCS0		102	5510	14.11	15.00
		110	5550	13.90	15.00
		126	5630	14.03	15.00
		134	5670	14.85	15.00
		142	5710	14.18	15.00
802.11ac-VHT20 MCS0		100	5500	15.71	16.00
		116	5580	14.65	16.00
		124	5620	15.23	16.00
		132	5660	15.08	16.00
		140	5700	15.44	16.00
		144	5720	14.81	16.00
802.11ac-VHT40 MCS0		102	5510	14.08	15.00
		110	5550	14.12	15.00
		126	5630	14.22	15.00
		134	5670	14.82	15.00
		142	5710	14.35	15.00
802.11ac-VHT80 MCS0	106	5530	11.58	13.00	
	122	5610	11.66	13.00	
	138	5690	12.43	13.00	

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	5.8GHz WLAN	802.11a 6Mbps	149	5745	15.61
157			5785	15.66	16.00
165			5825	15.22	16.00
802.11n-HT20 MCS0		149	5745	15.55	16.00
		157	5785	15.48	16.00
		165	5825	15.26	16.00
802.11n-HT40 MCS0		151	5755	14.47	15.00
		159	5795	14.26	15.00
802.11ac-VHT20 MCS0		149	5745	15.42	16.00
		157	5785	15.28	16.00
		165	5825	15.15	16.00
802.11ac-VHT40 MCS0		151	5755	14.46	15.00
		159	5795	14.28	15.00
802.11ac-VHT80 MCS0		155	5775	11.57	13.00

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	4.39	6.32	6.51
	CH 39	2441	4.76	4.89	5.04
	CH 78	2480	5.01	5.28	5.36
Tune-up Limit			6	7	7

Mode	Channel	Frequency (MHz)	Average power (dBm)			
			1M	2M	S2	S8
LE	CH 00	2402	2.70	1.57	2.36	3.21
	CH 19	2440	2.88	1.58	2.43	3.37
	CH 39	2480	2.40	1.35	2.28	3.08
Tune-up Limit			4	3	4	4

WWAN Reduce Power

Band	GSM850				GSM1900			
	128	189	251	Max. Tune-up Power	512	661	810	Max. Tune-up Power
Channel	824.2	836.4	848.8		1850.2	1880	1909.8	
Frequency								
GSM	25.82	25.92	26.03	27.50	20.05	19.93	19.70	21.50
GPRS 1Tx Slot	25.81	25.90	26.00	27.50	20.04	19.91	19.47	21.50
GPRS 2Tx Slot	23.26	23.44	23.34	25.00	17.20	17.31	17.03	19.00
GPRS 3Tx Slot	21.23	21.32	21.40	23.00	15.41	15.31	15.10	17.00
GPRS 4Tx Slot	19.85	19.94	20.04	21.50	13.92	13.85	13.65	15.50
EDGE 1Tx Slot	25.08	25.13	25.31	27.00	19.25	19.60	19.35	21.50
EDGE 2Tx Slot	21.71	21.75	21.65	24.50	16.06	16.28	16.17	18.50
EDGE 3Tx Slot	20.81	20.83	20.70	23.00	15.78	15.75	15.76	17.00
EDGE 4Tx Slot	19.77	19.81	19.73	21.00	13.87	13.96	13.68	15.50

Source-Based Time-Averaged Power								
Band	GSM850			Max. Tune-up Power	GSM1900			Max. Tune-up Power
	128	189	251		512	661	810	
Channel								
Frequency								
GSM	16.82	16.92	17.03	18.50	11.05	10.93	10.70	12.50
GPRS 1Tx Slot	16.81	16.90	17.00	18.50	11.04	10.91	10.47	12.50
GPRS 2Tx Slot	17.26	17.44	17.34	19.00	11.20	11.31	11.03	13.00
GPRS 3Tx Slot	16.97	17.06	17.14	18.74	11.15	11.05	10.84	12.74
GPRS 4Tx Slot	16.85	16.94	17.04	18.50	10.92	10.85	10.65	12.50
EDGE 1Tx Slot	16.08	16.13	16.31	18.00	10.25	10.60	10.35	12.50
EDGE 2Tx Slot	15.71	15.75	15.65	18.50	10.06	10.28	10.17	12.50
EDGE 3Tx Slot	16.55	16.57	16.44	18.74	11.52	11.49	11.50	12.74
EDGE 4Tx Slot	16.77	16.81	16.73	18.00	10.87	10.96	10.68	12.50

Band	WCDMA V			Max. Tune-up Power
	4132	4182	4233	
TX Channel				
Rx Channel	4357	4407	4458	
Frequency	826.4	836.4	846.6	
RMC 12.2K	17.28	17.32	17.19	18.50
HSDPA Subtest-1	16.40	16.46	16.56	17.50
HSDPA Subtest-2	16.38	16.49	16.52	17.50
HSDPA Subtest-3	16.33	16.41	16.54	17.50
HSDPA Subtest-4	16.30	16.47	16.47	17.50
DC-HSDPA Subtest-1	16.35	16.45	16.50	17.50
DC-HSDPA Subtest-2	16.32	16.43	16.45	17.50
DC-HSDPA Subtest-3	16.28	16.29	16.40	17.50
DC-HSDPA Subtest-4	16.29	16.21	16.38	17.50
HSUPA Subtest-1	16.32	16.44	16.51	17.50
HSUPA Subtest-2	16.43	16.49	16.52	17.50
HSUPA Subtest-3	16.35	16.42	16.50	17.50
HSUPA Subtest-4	16.42	16.45	16.49	17.50
HSUPA Subtest-5	16.29	16.43	16.45	17.50
HSPA+ Subtest-1	16.40	16.46	16.55	17.50

CA UL Reduce Power

CA_41C									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	Tune up Limit (dBm)
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	1	99	0	0	1	14.48	15.00
		16QAM	1	99	0	0	1	13.79	14.00
		64QAM	1	99	0	0	1	12.58	13.00
40185	40383	QPSK	1	99	0	0	1	14.08	15.00
		16QAM	1	99	0	0	1	13.41	14.00
		64QAM	1	99	0	0	1	12.32	13.00
40620	40422	QPSK	1	99	0	0	1	14.14	15.00
		16QAM	1	99	0	0	1	13.40	14.00
		64QAM	1	99	0	0	1	12.36	13.00
41055	40857	QPSK	1	99	0	0	1	14.07	15.00
		16QAM	1	99	0	0	1	13.30	14.00
		64QAM	1	99	0	0	1	12.32	13.00
41490	41292	QPSK	1	99	0	0	1	14.41	15.00
		16QAM	1	99	0	0	1	13.72	14.00
		64QAM	1	99	0	0	1	12.55	13.00

CA DL Reduce Power

Configure	CA List	PCC							SCC				Power		
		LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA	
		Band	(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)	
Inter-Band	CA_5A-7A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	17.42	17.57	
		Band 7	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	13.24	13.30	
Intra-Band	Contiguous	CA_5B	Band 5	10M	831.6	20476	QPSK	1	0	Band 5	10M	886.5	2575	17.45	17.53
		CA_7C	Band 7	20M	2525.1	21001	QPSK	1	0	Band 7	20M	2664.9	3199	13.19	13.26
		CA_41C	Band 41	20M	2593	40620	QPSK	1	99	Band 41	20M	2612.8	40818	14.69	14.73
	Non-Contiguous	CA_5A-5A	Band 5	10M	829	20450	QPSK	1	0	Band 5	5M	891.5	2625	17.30	17.41
		CA_7A-7A	Band 7	20M	2510	20850	QPSK	1	0	Band 7	5M	2687.5	3425	13.11	13.19
		CA_41A-41A	Band 41	20M	2560	39750	QPSK	1	99	Band 41	5M	2687.5	41565	14.38	14.53

WLAN / BT Reduce Power

2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11b 1Mbps	1	2412	14.40	15.00
		6	2437	13.51	15.00
		11	2462	14.50	15.00
	802.11g 6Mbps	1	2412	14.13	15.00
		6	2437	13.29	15.00
		11	2462	10.88	12.00
	802.11n-HT20 MCS0	1	2412	13.15	14.00
		6	2437	12.06	14.00
		11	2462	10.76	12.00
802.11n-HT40 MCS0	3	2422	9.18	11.00	
	6	2437	11.01	13.00	
	9	2452	8.93	10.00	

5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps	36	5180	6.79	7.00
		40	5200	6.76	7.00
		44	5220	6.61	7.00
		48	5240	6.50	7.00
	802.11n-HT20 MCS0	36	5180	6.84	7.00
		40	5200	6.68	7.00
		44	5220	6.57	7.00
	802.11n-HT40 MCS0	48	5240	6.52	7.00
		38	5190	5.31	6.00
		46	5230	5.29	6.00
	802.11ac-VHT20 MCS0	36	5180	6.76	7.00
		40	5200	6.76	7.00
		44	5220	6.45	7.00
	802.11ac-VHT40 MCS0	48	5240	6.45	7.00
		38	5190	5.47	6.00
46		5230	5.21	6.00	
802.11ac-VHT80 MCS0	42	5210	5.71	6.00	

5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps	52	5260	6.33	7.00
		56	5280	6.28	7.00
		60	5300	6.30	7.00
		64	5320	5.90	7.00
	802.11n-HT20 MCS0	52	5260	6.47	7.00
		56	5280	6.27	7.00
		60	5300	6.19	7.00
	802.11n-HT40 MCS0	64	5320	5.89	7.00
		54	5270	5.07	6.00
		62	5310	4.79	6.00
	802.11ac-VHT20 MCS0	52	5260	6.41	7.00
		56	5280	6.12	7.00
		60	5300	6.14	7.00
	802.11ac-VHT40 MCS0	64	5320	5.80	7.00
		54	5270	5.08	6.00
62		5310	4.83	6.00	
802.11ac-VHT80 MCS0	58	5290	5.47	6.00	

5.6GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps	100	5500	6.13	7.00
		116	5580	5.87	7.00
		124	5620	6.06	7.00
		132	5660	5.89	7.00
		140	5700	6.25	7.00
		144	5720	5.55	7.00
	802.11n-HT20 MCS0	100	5500	6.19	7.00
		116	5580	5.93	7.00
		124	5620	6.09	7.00
		132	5660	5.80	7.00
		140	5700	5.79	7.00
		144	5720	5.62	7.00
	802.11n-HT40 MCS0	102	5510	5.65	6.00
		110	5550	5.49	6.00
		126	5630	5.58	6.00
		134	5670	5.66	6.00
		142	5710	5.34	6.00
	802.11ac-VHT20 MCS0	100	5500	6.24	7.00
		116	5580	5.85	7.00
124		5620	5.96	7.00	
132		5660	5.84	7.00	
140		5700	5.88	7.00	
144		5720	5.50	7.00	
802.11ac-VHT40 MCS0	102	5510	5.67	6.00	
	110	5550	5.53	6.00	
	126	5630	5.63	6.00	
	134	5670	5.66	6.00	
	142	5710	5.48	6.00	
802.11ac-VHT80 MCS0	106	5530	5.95	6.00	
	122	5610	5.84	6.00	
	138	5690	5.80	6.00	

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit
	802.11a 6Mbps	149	5745	9.42	10.00
		157	5785	9.70	10.00
		165	5825	9.21	10.00
	802.11n-HT20 MCS0	149	5745	9.68	10.00
		157	5785	9.40	10.00
		165	5825	9.14	10.00
	802.11n-HT40 MCS0	151	5755	8.50	9.00
		159	5795	8.36	9.00
	802.11ac-VHT20 MCS0	149	5745	9.43	10.00
		157	5785	9.28	10.00
		165	5825	9.17	10.00
	802.11ac-VHT40 MCS0	151	5755	8.52	9.00
		159	5795	8.28	9.00
802.11ac-VHT80 MCS0	155	5775	8.92	9.50	



BUREAU
VERITAS

FCC SAR Test Report



Certificate #6613.01

Appendix E. Photographs of EUT and Setup